

# **Appendix of Part II**

- 1. Long List of Industrial Agglomerated Area**
- 2. Short List of Industrial Agglomerated Area**
- 3. Natural Disaster Records**
- 4. Existing Investigations and Studies**

# **A 1**

## **Long List of Industrial Agglomerated Area**

# Brunei

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Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
<b>XXBN01</b>	Kuala Lurah	Could not be confirmed from public information.	Name and Address: Contact through Brunei Industrial Development Authority (BINA), Ministry of Industry & Primary Resources, Km 8, Jalan Perindustrian, Bandar Seri Begawan, BE 1118, Negara Brunei Darussalam.  Telephone: +673 2444100 Fax: +673 2423300 Email: bruneibina@gmail.com Website: www.bina.gov.bn	Kuala Lurah is located in Brunei-Muara district, close to the border of Limbang, East Malaysia. It is 24km south of the capital Bandar Seri Begawan, 31km from Brunei International Airport, and 53km from Muara deep sea port.  Latitude: 4.755, Longitude: 114.825	Kuala Lurah has a total land area of 130 ha. Kuala Lurah, together with Batu Apoi in Temburong district, are the most recent industrial parks established by the Brunei Industrial Development Authority (BINA). The two parks are the main development sites for the near future as the majority of other industrial parks managed by BINA are now almost completely full.	There are currently no Japanese tenants in the park.	Name and Address: Brunei Industrial Development Authority (BINA), Ministry of Industry & Primary Resources, Km 8, Jalan Perindustrian, Bandar Seri Begawan, BE 1118, Negara Brunei Darussalam  Telephone: +673 2444100  Email: bruneibina@gmail.com Website: www.bina.gov.bn	Development of the park is divided into three phases. The first phase is earmarked for construction-related material manufacturing and covers an area of 223 ha divided into 28 lots. Nine of these are slotted for building materials, nine for logistics and nine for supporting industries. This phase was completed in June 2011, and lots were opened for leasing in 2012. Once all phase one lots have been assigned, work on phase two is to commence.	Name and Address: Brunei Industrial Development Authority (BINA), Ministry of Industry & Primary Resources, Km 8, Jalan Perindustrian, Bandar Seri Begawan, BE 1118, Negara Brunei Darussalam  Telephone: +673 2444100  Email: bruneibina@gmail.com Website: www.bina.gov.bn  Amount Contributed: USD 24 million Percentage/Ratio of Contribution Compared to Total Capital Contributions: 100%
<b>XXBN02</b>	Lambak Kanan West	Could not be confirmed from public information.	Name and Address: Lambak Kanan Industrial Site (WEST), Mukim Berakas, Bandar Seri Begawan, BB1714, Brunei Darussalam.  Contact through Brunei Industrial Development Authority (BINA), Ministry of Industry & Primary Resources, Km 8, Jalan Perindustrian, Bandar Seri Begawan, BE 1118, Negara Brunei Darussalam.  Telephone: +673 2444100 Fax: +673 2423300 Email: bruneibina@gmail.com Website: www.bina.gov.bn	Lambak Kanan is located 13km northwest of the capital Bandar Seri Begawan, 7km from Brunei International Airport, and 17km from Muara deep sea port.  Latitude: 4.985, Longitude: 114.95	Lambak Kanan West targets industries in food processing, with possibility for investors in manufacturing and services. Basic infrastructure is in place, including water, roads and electricity. 24 out of a total of 43 lots are available.	There are currently no Japanese tenants in the park.	Name and Address: Brunei Industrial Development Authority (BINA), Ministry of Industry & Primary Resources, Km 8, Jalan Perindustrian, Bandar Seri Begawan, BE 1118, Negara Brunei Darussalam  Telephone: +673 2444100  Email: bruneibina@gmail.com Website: www.bina.gov.bn	Phase 1 comprises 12.9 ha split into 55 lots; all lots have been allocated. Phase II comprises 19 ha split into 43 lots; 24 of these remain available. There are no current plans for further development of the area.	Name and Address: Brunei Industrial Development Authority (BINA), Ministry of Industry & Primary Resources, Km 8, Jalan Perindustrian, Bandar Seri Begawan, BE 1118, Negara Brunei Darussalam  Telephone: +673 2444100  Email: bruneibina@gmail.com Website: www.bina.gov.bn  Amount Contributed: Could not be confirmed from public information. Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
<b>XXBN03</b>	Serambangan	Could not be confirmed from public information.	Name and Address: Contact through Brunei Industrial Development Authority (BINA), Ministry of Industry & Primary Resources, Km 8, Jalan Perindustrian, Bandar Seri Begawan, BE 1118, Negara Brunei Darussalam.  Telephone: +673 2444100 Fax: +673 2423300 Email: bruneibina@gmail.com Website: www.bina.gov.bn	Serambangan is located in central Tutang district, 49km southwest of the capital Bandar Seri Begawan, 51km from Brunei International Airport, and 74km from Muara deep sea port.  Latitude: 4.784167, Longitude: 114.649167	Serambangan covers an area of 9.8 ha, split into 24 lots. It targets manufacturing and services industries. Basic infrastructure is in place, including water, roads, and electricity. 12 out of a total of 24 lots are available.	There are currently no Japanese tenants in the park.	Name and Address: Brunei Industrial Development Authority (BINA), Ministry of Industry & Primary Resources, Km 8, Jalan Perindustrian, Bandar Seri Begawan, BE 1118, Negara Brunei Darussalam  Telephone: +673 2444100  Email: bruneibina@gmail.com Website: www.bina.gov.bn	There are no current plans for further development of Serambangan.	Name and Address: Brunei Industrial Development Authority (BINA), Ministry of Industry & Primary Resources, Km 8, Jalan Perindustrian, Bandar Seri Begawan, BE 1118, Negara Brunei Darussalam  Telephone: +673 2444100  Email: bruneibina@gmail.com Website: www.bina.gov.bn  Amount Contributed: Could not be confirmed from public information. Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
<b>XXBN04</b>	Serasa	Could not be confirmed from public information.	Name and Address: Serasa Industrial Complex, BS8672, Brunei Darussalam  Contact through Brunei Industrial Development Authority (BINA), Ministry of Industry & Primary Resources, Km 8, Jalan Perindustrian, Bandar Seri Begawan, BE 1118, Negara Brunei Darussalam.  Telephone: +673 2444100 Fax: +673 2423300 Email: bruneibina@gmail.com Website: www.bina.gov.bn	Serasa is located in northern Brunei-Muara district, 27km northeast of the capital Bandar Seri Begawan, 28km from Brunei International Airport, and 5km from Muara deep sea port.  Latitude: 5.0075, Longitude: 115.052222	Serasa covers a total area of 54.5 ha, split into 88 lots. The park is a hub for Brunei's garment industry, and also houses a vehicle assembly plant and Brunei's only cement factory. Basic infrastructure is in place, including water, roads, and electricity. 32 out of a total of 88 lots are available.	There are no Japanese firms currently in the park.	Name and Address: Brunei Industrial Development Authority (BINA), Ministry of Industry & Primary Resources, Km 8, Jalan Perindustrian, Bandar Seri Begawan, BE 1118, Negara Brunei Darussalam  Telephone: +673 2444100  Email: bruneibina@gmail.com Website: www.bina.gov.bn	There are no current plans for further development of Serasa. There are however plans to build a refinery complex at Pulau Muara Besar, an island just opposite.	Name and Address: Brunei Industrial Development Authority (BINA), Ministry of Industry & Primary Resources, Km 8, Jalan Perindustrian, Bandar Seri Begawan, BE 1118, Negara Brunei Darussalam  Telephone: +673 2444100  Email: bruneibina@gmail.com Website: www.bina.gov.bn  Amount Contributed: Could not be confirmed from public information. Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
<b>XXBN06</b>	SPARK	2007	Name and Address: SLA SPARK Office SPARK Centre, Sungai Liang Industrial Park (SPARK), Belait KCI135, Negara Brunei Darussalam	SPARK is located in the western district of Belait, 66km west of the capital Bandar Seri Begawan, 63km from Brunei International Airport, and 77km from Muara deep water port.  Latitude: 4.683333, Longitude: 114.5	SPARK is a 271 ha petro-chemical hub, a key initiative of the Brunei Economic Development Board (BEDB). The Brunei Methanol Company, which commenced its activity in 2010, is the only company currently operating. SPARK seeks to expand in petro-chemical industries such as methanol derivatives, ammonia and	Currently, the total Japanese investment in SPARK is USD 600 million, which is the investment derived from the establishment of the Brunei Methanol Company, BMC (a joint venture between Petroleum Brunei [25%] and two Japanese firms: Mitsubishi Gas Chemical Co. [50%] and ITOCHU Corporation [25%]).	Name and Address: Brunei Economic Development Board (BEDB), Block 2K, Bangunan Kerajaan, Jalan Ong Sum Ping, Bandar Seri Begawan BA 1311, Brunei Darussalam	Total capital invested to date is around USD 35 million. The feasibility of developing facilities to supply power, water and steam, as well as an import/export facility is currently under study; the figures for these proposed investments are yet to be made public.	Name and Address: The Department of Economic Planning and Development (DEPD) and the Ministry of Finance (MOF), DEPD, Prime Minister Office, Block 2A Jalan Ong Sum Ping, Bandar Seri Begawan, BA 1311, Brunei Darussalam

# Brunei

Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
			Telephone: +673 323 0274 Fax: +673 323 0284 Email: info@sla.org.bn Website: www.sla.org.bn/sla/spark		urea. About 90% of SPARK has been developed with basic infrastructure such as road works, surface water drainage, ancillary works, waste water works, etc.	<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i> There is currently only one firm in SPARK, which is BMC. Given that there are currently only 8 Japanese companies operating in Brunei, SPARK is a significant site of Japanese investment.	Telephone: +673 2230111  Email: info@bedb.com.bn Website: www.bedb.com.bn		Telephone: +673 2233344  Email: info.jpke@jpke.gov.bn Website: www.depd.gov.bn/home.html Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.



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Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
XXXX01	Goldfame Pak Shun SEZ	Could not be confirmed from public information	Name and Address: Goldfame Enterprises (International) Knitters Limited, Khum 1 Phum Kom Pong Pring, Khum Setbo Shrok Saang, Kandal Province, Cambodia  Telephone: +855 23 368835/ 366366  Fax: Could not be confirmed from public information.  Email: enquiry@goldfame.com.kh  Website: www.goldfame-fashion.com	Goldfame Pak Shun is located in Sa'ang district, Kandal province, approximately 35km south of the capital Phnom Penh.  No latitude and longitude information for the park was publicly available.	Goldfame Pak Shun covers a total area of 80 ha. It is heavily geared towards garment manufacturing. Fencing has been developed. Beyond this, there was no public information regarding infrastructure, facilities or investment plans for the park. However, basic infrastructure must be in place as firms are operating in the park.	Out of three companies currently operating in Goldfame Pak Shun SEZ, none are Japanese.	Name and Address: Goldfame Enterprises (International) Knitters Limited, Khum 1 Phum Kom Pong Pring, Khum Setbo Shrok Saang, Kandal Province, Cambodia  Telephone: +855 23 368835/ 366366  Email: enquiry@goldfame.com.kh, sophat@goldfame.com.kh  Website: www.goldfame-fashion.com	Currently, it has three investors: Gold Dragon Printing & Carton Boxes Factory Co., Ltd. (carton, plastic labels, knitting); Kingway Manufacturing Limited (garments), and Good Ray Development Limited (garments).	Name and Address: Goldfame Enterprises (International) Knitters Limited, Khum 1 Phum Kom Pong Pring, Khum Setbo Shrok Saang, Kandal Province, Cambodia  Telephone: +855 23 368835/ 366366  Email: enquiry@goldfame.com.kh  Website: www.goldfame-fashion.com  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
XXXX02	Manhattan Svay Rieng SEZ	2005	Name and Address: National Road No. 1, Tapov Village, Sangkat Bavet, Bavet City, Svay Rieng  Telephone: +855 44715125, +855 23721000, +855 23 721000  Fax: Could not be confirmed from public information.  Email: info@manhattanse.com  Website: www.manhattanse.com	Manhattan Svay Rieng SEZ is located in eastern Svay Rieng province, 167km southeast of the capital Phnom Penh, 5km from Bavet border crossing between Cambodia and Vietnam, 68km from Ho Chi Minh International Airport and 80km from Ho Chi Minh International Port.  No latitude and longitude information for the park was publicly available.	Manhattan SEZ covers 240 ha. It is the very first SEZ to be established by the Cambodian government in 2005, Manhattan is the largest among the SEZs along Cambodia's borders. Fencing, connection to a power grid from Vietnam, and water for the first phase have been completed, whilst waste water treatment remains to be developed. Its image has been somewhat tarnished over the past few years by doubts over labor conditions in the zone, particularly a 2012 shooting incident when three female striking workers were injured, and the local governor initially arrested but later released.	Only 1 out of a total of 22 companies is Japanese: Morofuji Packaging (Cambodia) Co. Ltd (plastic bags).	Name and Address: Manhattan International Co. Ltd. (Taiwan), National Road No. 1, Tapov Village, Sangkat Bavet, Bavet City, Svay Rieng  Chairman: Mr. Clement Yang  Telephone: +855 44715125, +855 23721000, +855 23 721000  Email: info@manhattanse.com  Website: www.manhattanse.com	Manhattan is to be developed in three phases of 80 ha each. No detailed information about the progress of development by phase was publicly available.	Name and Address: Manhattan International Co. Ltd. (Taiwan), National Road No. 1, Tapov Village, Sangkat Bavet, Bavet City, Svay Rieng  Chairman: Mr. Clement Yang  Telephone: +855 44 715125, +855 23 721000  Email: info@manhattanse.com  Website: www.manhattanse.com  Amount Contributed: USD 30 million (projected in 2005).  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
XXXX03	Phnom Penh SEZ	2006	Name and Address: National Road No. 4, Khan Dangkor, Phnom Penh  Telephone: +855 23729788 , +855 12730307, +855 15739772  Fax: +855 23729799  Email: sales@ppsez.com  Website: www.ppsez.com	PPSEZ is located 8km west of Phnom Penh International Airport, and 18km from Phnom Penh city centre on National Road 4 connecting to Sihanoukville deep sea port.  Latitude: 11.49, Longitude: 104.79	PPSEZ is the largest industrial park in the vicinity of the capital Phnom Penh. 141 ha has been developed with 90 ha currently being developed. It welcomes light, medium and labour intensive industries. The PPSEZ is a Cambodian-Japanese joint venture company, and Japanese investment in the zone is significant. It is run by a Japanese Manager, Mr Hiroshi Umatsu. Since June 2012, Sumimoto Corp. serves as an agent for the park, supporting companies that operate in the park and conducting marketing activities for Japanese investment.	As of October 2012, 15 out of 33 companies operating in the PPSEZ were Japanese. There was also 1 joint Chinese/Japanese firm and 1 joint Korean/Japanese firm. Japanese companies include: Tiger Wing (shoes), Ajinomoto (food processing), Sumi Wiring (automobile wiring, local subsidiary of Sumitomo Corp., started operations May 2012), and Mineba (cellphone parts). In January 2013, Denso Corp. announced that it will begin making motorcycle parts in PPSEZ in July 2013; the total investment projected at 35 million yen. In March 2013, Japanese Combi Corp. announced plans for a new baby-product factory to open in 2014 that operated by Combi (Cambodia) will be among the largest in the PPSEZ; total investment is estimated at USD \$1.5 million.	Name and Address: Attwood Investment Group, No 61 Confederation de la Russie, Attwood Business Center, Room 57 4A, 121 02 Phnom Penh, Cambodia  Telephone: +855 23890776  Email: Could not be confirmed from public information.  Website: www.attwoodcambodia.com/	PPSEZ was established through a joint investment by Attwood Investment Group and Zephyr Co. (Japanese-based). PPSEZ is being developed in three phases. Phase I comprises 141 ha split into 58 lots; these plots have been sold out. Development on phase II, covering 90 ha is currently underway; in October 2012 it was announced that the 90 ha would be expanded by 150L. As of January 2013, 29 plots in phase II remain available, whereas 26 have been taken or booked. In December 2012, an agreement was signed between Agence Francaise de Developement and the Garment Manufacturers' Association of Cambodia for a USD 3.5 million loan to set up a garment training institute in the PPSEZ within two years. Employment is expected to double at the PPSEZ during 2013 from the previous year to 20,000 workers.	Name and Address: Attwood Investment Group, No 61 Confederation de la Russie, Attwood Business Center, Room 57 4A, 121 02 Phnom Penh, Cambodia  Telephone: +855 23890776  Email: Could not be confirmed from public information.  Website: www.attwoodcambodia.com  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
XXXX04	Sihanoukville SEZ 2	2010	Name and Address: National Road No. 4, Prey Nob, Sihanoukville, Cambodia  Telephone: +855 34 6800086/2099, +855 88 5678891, +855 34 6800086/2098  Fax: Could not be confirmed from public information.  Email: hodo.shnk@163.com, migzi.zhang@163.com  Website: www.ssez.com	Sihanoukville SEZ 2 is located 12km east of Sihanoukville Port (on National Road 4), 3km from Sihanoukville Airport, and 210km south of the capital Phnom Penh.  Latitude: 10.605, Longitude: 103.615	SSEZ spans a total size of 1,130ha. With a total area of 1,130 ha, the zone is projected to host 300 factories, and 80,000-100,000 workers. To date, infrastructure development has been completed for about 300 ha, including roads, electricity, water, and sewage. It was established as a cooperation project between Cambodia and China. Co-operated by Jiangsu Taihu Cambodia International Economic Cooperation Investment Co. Ltd. And Cambodia International Investment Development Group Co. Ltd. It is the first SEZ in Cambodia to have a bilateral government cooperation mechanism.	Only 2 out of a total of 26 companies operating in the zone are Japanese; 18 are Chinese. The two Japanese companies are ASLE Electronic (Cambodia) Co. Ltd. (produces electronic wires) and Izumi Electronics (Cambodia) Co. Ltd. (produces TV frames).	Name and Address: Jiangsu Taihu Cambodia International Economic Cooperation Investment Co. Ltd. Xishan District, Wuxi Jiangsu, East China Town, Wuxi City, Jiangsu Province, China  Telephone: +86 510 6686 8888/5968  Email: Could not be confirmed from public information.  Website: Could not be confirmed from public information.	In February 2013, SSEZ signed a contract with Anco water company which settled in the zone to meet the increasing water requirement. The SSEZ, which operates its own 4#1000KW power plant, also plans to expand its power source to the two coal plants, the only such plants in the country, that are expected to start operating in Sihanoukville by mid-2013; this would reduce the cost of electricity.	Name and Address: Jiangsu Taihu Cambodia International Economic Cooperation Investment Co. Ltd. Xishan District, Wuxi Jiangsu, East China Town, Wuxi City, Jiangsu Province, China  Telephone: +86 510 6686 8888/5968  Email: Could not be confirmed from public information.  Website: Could not be confirmed from public information.

# Cambodia

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						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
									<p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p> <p>Name and Address: Cambodia International Investment Development Group Co., Ltd</p> <p>Telephone: Could not be confirmed from public information.</p> <p>Email: Could not be confirmed from public information.</p> <p>Website: Could not be confirmed from public information.</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>
XXXX06	Tai Seng Bavet SEZ	2006	<p>Name and Address: Phnom Penh Office: Building 56, Preah Monivong Blvd, Sangkat Wat Phnom, Khan Daun Penh, Phnom Penh, Cambodia</p> <p>Telephone: +855 12 911 202 / 888 668 688</p> <p>Fax: Could not be confirmed from public information.</p> <p>Email: enquiry@taiseng-sez.com sioafen1314@gmail.com</p> <p>Website: taiseng-sez.com</p>	<p>Tai Seng Bavet SEZ is located between Svay Theb District and Chantrea District, in the eastern Svay Rieng Province, 161km southeast of the capital Phnom Penh, 5km from Moc Bai border crossing between Cambodia and Vietnam, and 72km from Ho Chi Minh International Port.</p> <p>No latitude and longitude information for the park was publicly available.</p>	<p>Tai Seng Bavet SEZ covers a total area of 77 Ha, divided into 56 lots. Tai Seng SEZ and nearby Manhattan SEZ are the largest of the SEZs along Cambodia's borders; both of these have experienced widespread strikes by the 20,000 workers in Svay Rieng province. Basic infrastructure including power supply, water supply, fencing and waste water treatment is provided.</p>	<p>2 out of a total of 11 companies operating in the zone are Japanese: Towa (Cambodia) Co. Ltd. (menswear); and Nakayama Shoji (Cambodia) Co. Ltd. (baby underwear).</p>	<p>Name and Address: Tai Seng Bavet SEZ Co. Ltd., National Road No 1, Bavet City, Svay Rieng, Cambodia</p> <p>Director: Mr. Ly Hong Shin</p> <p>Telephone: +855 12 911 202 / 888 668 688 / 012 380 606</p> <p>Email: enquiry@taiseng-sez.com, taisengimpex@yahoo.com, sioafen1314@gmail.com, calvindyna@gmail.com</p> <p>Website: Could not be confirmed from public information.</p>	<p>No publicly available information on development information.</p>	<p>Name and Address: Tai Seng Bavet SEZ Co. Ltd., National Road No 1, Bavet City, Svay Rieng, Cambodia</p> <p>Director: Mr. Ly Hong Shin</p> <p>Telephone: +855 12 911 202 / 888 668 688 / 012 380 606</p> <p>Email: enquiry@taiseng-sez.com, taisengimpex@yahoo.com, sioafen1314@gmail.com, calvindyna@gmail.com</p> <p>Website: Could not be confirmed from public information.</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>

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Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
<b>XXDD01</b>	Batamindo Industrial Park (BIP)	1991	Name and Address: PT Batamindo Investment Cakrawala, Wisma Batamindo, Jl. Rasamala 1, Mukakuning Batam 29433, Indonesia  Telephone: +62 77 0611222, +62 89603001066 (Mr Edwin), +65 963 22208 (Ms Tomomi Takeshige)  Fax: +62 77 061 1432  Email: Could not be confirmed from public information.  Website: <a href="http://www.sembcorp.com/en/business-industrial-parks-indonesia-batamindo_industrial_park.aspx">www.sembcorp.com/en/business-industrial-parks-indonesia-batamindo_industrial_park.aspx</a>	Located on Batam Island, 20km or 45 minutes by ferry to Singapore.  Latitude: 1.071019, Longitude: 104.022324	The park covers 220 ha and situated within a free trade zone where tenants enjoy preferential duties. It currently houses 70 MNC manufacturers and providing employment for 60,000 workers. The industrial estate features standard factories, dormitories, social and recreational facilities, treatment and power plants, sewage treatment plants and a telecommunication network. The estates does not provide empty land but rather a ready to use building facilities. Logistics services also have ready access to Singapore's air an sea-port facilities. The park is also certified ISO 9001:2000 and ISO 14001. The park was also awarded "Best Performing Industrial Park" by the Batam Industrial Authority in 2003.	<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>  A significant numbers of Japanese company already has investment in the estate, e.g Yokogawa Power Supply Batam, PT. Shin - Etsu Magnetics Indonesia, Thomson Batam, PT Tasc Electronics Indonesia, PT Sumitomo Wiring System Batam Indonesia, PT Japan Medical Supply, PT (JMS), Shimano Batam, PT Sanyo Energy Batam, Sanyu Precision Batam, PT Japan Servo Batam, PT Nissan Kogyo Batam, PT Matsushita Kotabuki Electronic Peripherals Indonesia, PT Batam Matsushita Battery, PT agano Drilube Indonesia, PT Yokogawa Manufacturing Batam, Toyocom Indonesia, PT Takamori Indonesia.	Name and Address: PT Batamindo Investment Cakrawala, Wisma Batamindo, Jl. Rasamala 1, Mukakuning Batam 29433, Indonesia  Telephone: +62 77 0611222, +62 89603001066 (Mr Edwin), +65 963 22208 (Ms Tomomi Takeshige)  Email: Could not be confirmed from public information.  Website: <a href="http://www.sembcorp.com/en/business-industrial-parks-indonesia-batamindo_industrial_park.aspx">www.sembcorp.com/en/business-industrial-parks-indonesia-batamindo_industrial_park.aspx</a>	The industrial park is a joint venture between Singapore and Indonesia in an effort for economic cooperation. PT Batamindo Investment Cakrawala (Indonesia) owns the industrial park while Sembcorp (Singapore) is responsible for the marketing and management of the park. The target land area for the park is 500 ha to be completed in three phases.	Name and Address: PT Batamindo Investment Cakrawala, Wisma Batamindo, Jl. Rasamala 1, Mukakuning Batam 29433, Indonesia  Telephone: +62 77 0611222, +62 89603001066 (Mr Edwin), +65 963 22208 (Ms Tomomi Takeshige)  Email: Could not be confirmed from public information.  Website: <a href="http://www.sembcorp.com/en/business-industrial-parks-indonesia-batamindo_industrial_park.aspx">www.sembcorp.com/en/business-industrial-parks-indonesia-batamindo_industrial_park.aspx</a>  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.  Name and Address: Gallant Venture Ltd, 991A Alexandra Road, #02-06/07, Singapore 119969 Telephone: +65 6389 3535  Email: <a href="mailto:gallant@gallantventure.com">gallant@gallantventure.com</a> Website: <a href="http://www.gallantventure.com.sg">www.gallantventure.com.sg</a>  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
<b>XXDD02</b>	Bekasi International Industrial Estate (BIE)	1991	Name and Address: Bekasi International Industrial Estate 3rd Floor, CIMB NIAGA, Jalan M.H. Thamrin Lippo Cikarang, Bekasi 17550, Jawa Barat, Indonesia  Telephone: +62 21 897 2378/9  Fax: +62 21 897 2143  Email: <a href="mailto:bieie@centrin.net.id">bieie@centrin.net.id</a>  Website: <a href="http://www.hyundaicorp.com/eng/ebrochure/hyundai-intl.htm">www.hyundaicorp.com/eng/ebrochure/hyundai-intl.htm</a>	BIE is located 37km east of Jakarta City. It takes 60 minutes by car from Tanjung Priok Port and Sukarni-Hatta International airport.  Latitude: -6.339722, Longitude 107.134167	The estate is 200 ha, and was developed as a joint venture between Hyundai and Indonesian firm PT Lippo Cikarang Tbk, as PT Hyundai Inti Development. The latter firm provided the real estate and the financing, 95 companies have established themselves there.	Out of the 95 firms who have invested, only four are Japanese. South Korean companies make up the largest foreign investment in the estate, totaling 25 of the firms. Indeed, Hyundai was one of the two partners responsible for developing the site.	Name and Address: PT Lippo Cikarang Tbk, Easton Commercial Centre, Jl. Gunung Panderman, Kaving 05 Lippo Cikarang 17550, Indonesia  Telephone: +62 21 8972484  Email: <a href="mailto:marketing@lippo-cikarang.com">marketing@lippo-cikarang.com</a>  Website: <a href="http://www.lippo-cikarang.com/home/index/en">www.lippo-cikarang.com/home/index/en</a>	The site has commercial, residential and security facilities. Basic infrastructure is available such as a water treatment plant, 60m of paved roads, electric power supply, telephone lines, water water treatment plant, street lighting every 60m and a drainage system. Supporting amenities include a business and commercial center, hotel, banking, postal service, housing, restaurant, supermarket, medical clinic, fire brigade, school, security and sporting and recreational facilities.	Name and Address: Hyundai Corporation, #140-2, Gye-dong, Jongno-gu, Seoul, Korea, 110-793  Telephone: +82 2 390 1114  Email: <a href="mailto:dkwon@hyundaicorp.com">dkwon@hyundaicorp.com</a> Website: <a href="http://www.hyundaicorp.com/eng/">www.hyundaicorp.com/eng/</a>  Amount Contributed: Rp 7,445,625,000 (USD 4,125,000)  Percentage/Ratio of Contribution Compared to Total Capital Contributions: 55%  Name and Address: PT Lippo Cikarang Tbk, Easton Commercial Centre, Jl. Gunung Panderman, Kaving 05 Lippo Cikarang 17550, Indonesia  Telephone: +62 21 8972484  Email: <a href="mailto:marketing@lippo-cikarang.com">marketing@lippo-cikarang.com</a> Website: <a href="http://www.lippo-cikarang.com/home/index/en">www.lippo-cikarang.com/home/index/en</a>  Amount Contributed: Rp 6,091,875,000 (USD 3,375,000)  Percentage/Ratio of Contribution Compared to Total Capital Contributions: 45%
<b>XXDD03</b>	Bintan Industrial Estate	1994	Name and Address: PT Bintan Inti Industrial Estate, Tanjung Uban, P.O. Box 020 Bintan 29152, Indonesia  Telephone: +62 21 251 0119 (General), +62 89603001066 (Mr Edwin), +65 963 22208 (Ms Tomomi Takeshige)  Fax: +62 21 251 0404 Email: Could not be confirmed from public information.  Website: <a href="http://www.sembcorp.com/en/integrated-urban-development-indonesia-bintan_industrial_estate.aspx">http://www.sembcorp.com/en/integrated-urban-development-indonesia-bintan_industrial_estate.aspx</a>	Located on Loban, Bintan island, 50km or 75 minutes to Singapore.  Latitude: 1.016354, Longitude: 104.283915	The 270 ha Bintan Industrial Estate is situated within a free trade zone where tenants enjoy preferential duties and has its own ferry terminal, container port and customs office. The estate does not provide empty land but rather a ready to use building facilities. Logistics services also have ready access to Singapore's air an sea-port facilities.	Low level of Japanese investment currently with only 2 Japanese companies - PT Pratama Presisia and PT Yoshioka.	Name and Address: PT Bintan Inti Industrial Estate, Tanjung Uban, P.O. Box 020 Bintan 29152, Indonesia  Telephone: +62 21 251 0119 (General), +62 89603001066 (Mr Edwin), +65 963 22208 (Ms Tomomi Takeshige)  Email: Could not be confirmed from public information.  Website: <a href="http://www.sembcorp.com/en/integrated-urban-development-indonesia-bintan_industrial_estate.aspx">http://www.sembcorp.com/en/integrated-urban-development-indonesia-bintan_industrial_estate.aspx</a>	The Bintan Industrial estate is developed jointly by a Singapore-Indonesian consortium led by SembCorp Industries, with its sister park being Batamindo Industrial Park. PT Bintan Industrial Estate with Sembcorp handle the marketing of the industrial estate. Bintan Industrial Estate has a potential of 4000 ha of land of which 110 ha is currently being developed. The industrial estate features standard factories, dormitories, social and recreational facilities, treatment and power plants, sewage treatment plants and a telecommunication network.	Name and Address: Gallant Venture Ltd, 991A Alexandra Road, #02-06/07, Singapore 119969  Telephone: +65 6389 3535  Email: <a href="mailto:gallant@gallantventure.com">gallant@gallantventure.com</a> Website: <a href="http://www.gallantventure.com.sg">www.gallantventure.com.sg</a>  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: 100%
<b>XXDD04</b>	Bintang Industrial Park I and II	1995 and 2001	Name and Address: BJS Building, Jl. Majapahit Kav. II, Batu Ampar, Batam, Indonesia 29432	Both industrial parks are located on Batam Island. Bintang Industrial Park I is located in Batu Ampar, the northern part of the island and Bintang Industrial Park II is located in	Bintang Industrial Park I consists of 32 units of industrial premises that was fully tenanted by the time it was completed. The development of Bintang Industrial Park II was initiated after the	At present, information website information only states that there are Japanese firms in both Park I and II, but does not give further information on the quantity.	Name and Address: PT Bintang Propertindo (a subsidiary of BJS Group), Jalan Majapahit Kav II, Batu Ampar-Batam, 29432	Bintang Industrial Park II, officially opened in 2001, is still in its development phase. Bintang Industrial Park III, currently being developed, covers approximately 30 ha in Tanjung	Name and Address: BJS Group, BJS Building, Jl. Majapahit Kav. II, Batu Ampar, Batam, Indonesia 29432

# Indonesia

Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
			<p>Telephone: +62 778 459088/ 459088, +62 811 692512 (Herry Tan)</p> <p>Fax: +62 778 459002/ 457088</p> <p>Email: bintang@bjsigroup.com, herry.tan@bjsigroup.com</p> <p>Website: www.bintangindustri.com</p>	<p>Tanjung Uncang, at the western part of the Island.</p> <p>Park I: Latitude: 1.163966, Longitude: 103.999327</p> <p>Park II: Not publicly available</p>	<p>success of the first, with 70 ha of land. Park II features standard infrastructure and commercial facilities. It currently focuses on investors more from the heavy industry sector.</p>		<p>Telephone: +62 778 459088/ 459088, +62 811 692512 (Herry Tan)</p> <p>Email: bintang@bjsigroup.com, herry.tan@bjsigroup.com</p> <p>Website: www.bintangindustri.com</p>	<p>Sengkang, near the cargo seaport of Batu Ampar. This park is being targeted toward marine and offshore supporting industries.</p>	<p>Telephone: +62 778 459088</p> <p>Email: bintang@bjsigroup.com</p> <p>Website: www.bjsigroup.com/en/</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>
XXXX06	East Jakarta Industrial Park (EJIP)	1992	<p>Name and Address: East Jakarta Industrial Park Plot 8M-1, Cikarang, Selatan, Bekasi 17550, Indonesia</p> <p>Telephone: +62 21 897 0001</p> <p>Fax: +62 21 897 0002</p> <p>Email: customer.service@ejip.co.id</p> <p>Website: www.ejip.co.id</p>	<p>Located in Bekasi province.</p> <p>Latitude: -6.328333, Longitude: 107.113611</p>	<p>The park is 321 ha and hosts 90 factories. The site has industrial infrastructure services like industrial water supply, waste water management, electricity, trunk fiber optic communication network, natural gas pipeline and industrial gases such as nitrogen, hydrogen and oxygen. The industrial estate also provides business consulting services that provide investors with information, easing business operations. Supporting services include 24-hour fire brigade and security, banks, travel agency, courier service, restaurants, mini-mart, mosque and conference room rental commercial.</p>	<p>This site has a heavy concentration of Japanese investment. As of 2010, out of its 101 tenant companies, 75 are Japanese. Sumitomo Corporation holds a 60% stake in the industrial park.</p>	<p>Name and Address: East Jakarta Industrial Park Plot 8M-1, Cikarang, Selatan, Bekasi 17550, Indonesia</p> <p>Telephone: +62 21 897 0001</p> <p>Email: customer.service@ejip.co.id</p> <p>Website: www.ejip.co.id</p>	<p>It was fully operational in 1992 before being expanded in 1995. Sumitomo acquired its majority stake in 1998. The park does not appear to be slated for further expansion.</p>	<p>Name and Address: Sumitomo Corporation, Harumi 1-chome, Chuo-ku, Tokyo 104-8610</p> <p>Telephone: +81 03 5166 5000</p> <p>Email: Unavailable but there is a contact form. www.sumitomocorp.co.jp/english/business/info/infrastructure.html</p> <p>Website: www.sumitomocorp.co.jp/english/</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: 60%</p> <p>Name and Address: PT Lippo Cikarang Tbk, Easton Commercial Centre, Jl. Gunung Panderman, Kaving 05 Lippo Cikarang 17550, Indonesia</p> <p>Telephone: +62 21 8972484</p> <p>Email: marketing@lippo-cikarang.com</p> <p>Website: www.lippo-cikarang.com</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: 5%</p> <p>Name and Address: PT Spinindo Mitradaya Indonesia, Jl. KSI, Wahid Hasyem 76 Jakarta 10340, Indonesia</p> <p>Telephone: +62 021 319 2266 2 / 319 2263 7</p> <p>Email: office@spinindobp.com</p> <p>Website: www.spinindobp.com</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: 35%</p>
XXXX08	Greenland International Industrial Center (GIIC)	1996	<p>Name and Address: Jl. Tol Jakarta-Cikampek Km. 37 Cikarang Pusat 17530</p> <p>Telephone: +62 21 8997 1188, +62 881 818 7888 (Japan desk)</p> <p>Fax: Could not be confirmed from public information.</p> <p>Email: greenland@deltamas.co.id</p> <p>Website: www.kota-deltamas.jp</p>	<p>Located in Bekasi province, 37km east of Jakarta or 50 minutes by car.</p> <p>Latitude: -6.225404, Longitude: 106.969720</p>	<p>Including future exansion plans, the industrial park will cover 1,300 ha. It has two industrial zones within it. The park exists alongside a commercial and residential area (which are separate from it, rather than folded into its infrastructure like those of the other parks) which covers an area of 3,000 ha.</p>	<p>Sojitz Corporation is a key developer that has jointly developed the park. GIIC is believed to be the closest Japan-affiliated park from Jakarta. Besides this, there is no information available as to the level of Japanese investment. However, it is notable that the site has a registered Japan desk (+62281 918 7888), which would suggest that there has been a significant amount of interest.</p>	<p>Name and Address: Sojitz Corporation, Kokusai Shin-Akasaka Bldg. 6-1-20, Akasaka, Minato-Ku, Tokyo 107-8655</p> <p>Telephone: +81 3 55205000</p> <p>Email: Unavailable but there is a contact form. www.sojitz.com/en/contact/form.html</p> <p>Website: www.sojitz.com</p>	<p>The whole area is owned by Kota Deltamas. The two key developers are Sojitz Corporation and Sinar Mas Group. The industrial park was developed in two phases. In the first phase, 700 ha of land were made available, followed by a further 600. It was expanded because of the level of demand from foreign companies, including Japanese ones. It is notable that there is a Chinese-Indonesian Economic and Trade Cooperation Zone, which is 200 ha large.</p>	<p>Name and Address: Sojitz Corporation, Kokusai Shin-Akasaka Bldg. 6-1-20, Akasaka, Minato-Ku, Tokyo 107-8655, Japan</p> <p>Telephone: +81 3 55205000</p> <p>Email: Unavailable but there is a contact form. www.sojitz.com/en/contact/form.html</p> <p>Website: www.sojitz.com/</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: 25%</p> <p>Name and Address: Sinar Mas, Plaza Bili Tower 2, 33 / F. Jalan MH Thamrin 51, Central Jakarta, 10350 Indonesia</p> <p>Telephone: Could not be confirmed from public information.</p> <p>Email: Unavailable but there is a contact form. www.sinarmas.com/en/contact/</p> <p>Website: www.sinarmas.com</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: 75%</p>
XXXX07	Jababeka Industrial Estate	1989	<p>Name and Address: Jababeka Center, Hollywood Plaza No. 10 - 12, Jl. H. Umar Ismail, Kota Jababeka, Cikarang, Bekasi 17550, West Java, Indonesia</p>	<p>The industrial township is in Cikarang which lies only 35km east of Jakarta. It is located along the Bekasi-Cikampek corridor, which contains a dozen of industrial estates that cater light, medium, and automotive industries. It is</p>	<p>The park is an eco-industrial project established collaboratively by the Indonesian Ministry of Environment and the Republic of Germany under a scheme called the Indonesian-German Environmental Programme</p>	<p>There are 206 companies from 16 countries (including Indonesia) operating on the site, 36 of which are Japanese (or joint ventures between Japanese and Indonesian firms). Japan is the biggest source of investment. According to the</p>	<p>Name and Address: Jababeka Center, Hollywood Plaza No. 10 - 12, Jl. H. Umar Ismail, Kota Jababeka, Cikarang, Bekasi 17550, West Java, Indonesia</p>	<p>The park started undergoing development in 1989. The industrial park itself has not been expanded, although commercial and residential facilities have been developed. The dry port was opened in 2010 to boost the park's</p>	<p>Name and Address: Ministry of Environment, Jl. Di Panjaitan Kav. 24, Jakarta Timur 13410</p>

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Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park. marketing officer; there is also an adviser to help Japanese investors in the estate.</i>			
			<p>Telephone: +62 21 893 4580 / 893 4350</p> <p>Fax: +62 21 898 33921 / 898 3322 / 893 4331</p> <p>Email: susan@jababeka.co.id (specific contact for industrial estate)</p> <p>Website: www.jababeka.com</p>	<p>accessible by toll road and railroad and can be reached by car in approximately 30-40 minutes from Jakarta's Central Business District.</p> <p>Latitude: -6.288656, Longitude: 107.152568</p>	<p>(ProLH Q12). It is 1,570 ha in size. There is a dry port 200 ha in size. There is also an innovation centre which serves to manage the partnerships between government, industry, R&amp;D institutions, etc. so as to increase efficiency. The estate also consists of health and recreational facilities, including a gold course. The website states that there are 1,400 foreign companies in the area, employing 600,000 people overall, although the tenant list lists only 206 firms.</p>		<p>Telephone: +62 21 893 4580 / 893 4350</p> <p>Email: susan@jababeka.co.id (specific contact for industrial estate)</p> <p>Website: www.jababeka.com</p>	<p>infrastructure. Industrial expansion occurred at two locations in Banten (west of the country) in 1996 and 2011. Jababeka Group said in 2012 that more investment is required in infrastructure if the park is to really thrive.</p>	<p>Telephone: +61 21 851 7184</p> <p>Email: edu@com@merih.go.id</p> <p>Website: www.merih.go.id</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>
XXXX	Kabil Industrial Estate (KIE)	1990	<p>Name and Address (Batam): PT Citra Agramasinti Nusantara, Citramas Group, Hang Kesturi Street Km 4, Kabil, Batam, Indonesia</p> <p>Name and Address (Jakarta): PT Citra Agramasinti Nusantara, Wisma Metropolitan 1, 11th Floor, Jl. Jend. Sudirman Kav. 29, Jakarta 12920, Indonesia</p> <p>Name and Address (Singapore): PT Citra Agramasinti Nusantara, 133 New Bridge Road #21-01 Chinatown Point, Singapore 059413</p> <p>Telephone: +62 778 711 099/ 144 (Batam); +62 21 5250609 (Jakarta); +65 67327007 (Singapore)</p> <p>Fax: +62 778 711114 (Batam); +62 21 571 2317 (Singapore)</p> <p>Email: marketing@kcn.co.id (Batam); marketing@kabilindo.com (Singapore)</p> <p>Website: www.kcn.co.id</p>	<p>Located on the east coast of Batam Island. It is a 5 minute drive away from Batam's Hang Nadim International Airport.</p> <p>Latitude: 1.065269, Longitude: 104.030027</p>	<p>The industrial estate covers 500 ha is located within a bonded zone where exports and imports are duty-free. The estate lies adjacent to Citranusa Kabil Port, one of the three government designated Free Trade Zone ports. Besides standard infrastructure services, commercial facilities and estate management services, the estate also offers labor recruitment services. Housing for management and workers are located near the estate.</p>		<p>Name and Address (Batam): PT Citra Agramasinti Nusantara, Citramas Group, Hang Kesturi Street Km 4, Kabil, Batam, Indonesia</p> <p>Name and Address (Jakarta): PT Citra Agramasinti Nusantara, Wisma Metropolitan 1, 11th Floor, Jl. Jend. Sudirman Kav. 29, Jakarta 12920, Indonesia</p> <p>Name and Address (Singapore): PT Citra Agramasinti Nusantara, 133 New Bridge Road #21-01 Chinatown Point, Singapore 059413</p> <p>Telephone: +62 778 711 099/ 144 (Batam); +62 21 5250609 (Jakarta); +65 67327007 (Singapore)</p> <p>Email: marketing@kcn.co.id (Batam); marketing@kabilindo.com (Singapore)</p> <p>Website: www.kcn.co.id</p>	<p>The Kabil Industrial Estate was a joint venture between PT Citramas Indah Realtindo and PT Toba Sejahtera. There is a plan to develop a Kabil Container Port.</p>	<p>Name and Address: PT Citramas Indah Realtindo Batam, Kompl Citramas Indah Bl G/5, Nongsa, Sungai Beduk, 29431 Batam, Indonesia</p> <p>Telephone: +62 778 761476</p> <p>Email: Could not be confirmed from public information.</p> <p>Website: citratubindo.co.id</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p> <p>Name and Address: PT Toba Sejahtera Wisma Bakrie 2, 17th, Fl., Jl. H.R. Rasuna Said Kav. B-2, Jakarta 12920, Indonesia</p> <p>PT Kabil Citranusa is a subsidiary of PT Toba Sejahtera</p> <p>Telephone: +62 21 5794 5752</p> <p>Email: Could not be confirmed from public information.</p> <p>Website: tobasejahtera.com/</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: The company website mentions that through PT Kabil Citranusa, PT Toba Sejahtera owns a minority stake in the Kabil Industrial Estate.</p>
XXXX	Kota Bukit Indah Industrial City	Could not be confirmed from public information.	<p>Name and Address (Jakarta): PT Besland Pertiwi, 12th fl. Wisma Indocement, Jl. Jend. Sudirman Kav. 70-71, Jakarta 12910 Indonesia Cikampek 41373, West Java, Indonesia</p> <p>Name and Address (Site office): Block L, Kota Bukit Indah, Purwakarta 41183</p> <p>Telephone: +62 21 522 3773, +62 264 351 288 (site office)</p> <p>Fax: +62 21 522 3774, +62 21 570 5889 (marketing), +62-264 351357 (site office)</p> <p>Email: marketing@kotabukitindah.com</p> <p>Website: www.kotabukitindah.com</p>	<p>Located in Karawang province; 65km west of Jakarta.</p> <p>Latitude: -6.447188, Longitude: 107.457292</p>	<p>The industrial city spans 300 ha where both industrial land and factory space are available for rent. The factories have floor space between 1,000 and 7,000 square feet. The estate has 24-hour security, a fire brigade, local transportation and schools. Logistically, there is a general warehouse, handling equipment, a container yard, a customs and excise office, and transportation services. Commercial facilities include restaurants, a Japanese bank, car rental and mini-markets. Residential facilities include two hotels, as well as executive and "middle-class" housing to purchase. There is also a service for the handling of the requisite documents, e.g. expat work permits, etc.</p>		<p>Name and Address (Jakarta): PT Besland Pertiwi, 12th fl. Wisma Indocement, Jl. Jend. Sudirman Kav. 70-71, Jakarta 12910 Indonesia Cikampek 41373, West Java, Indonesia</p> <p>Name and Address (Site office): Block L, Kota Bukit Indah, Purwakarta 41183</p> <p>Telephone: +62 21 522 3773, +62 264 351 288 (site office)</p> <p>Email: marketing@kotabukitindah.com</p> <p>Website: Could not be confirmed from public information.</p>	<p>The industrial city was developed by two Indonesian firms: PT Besland Pertiwi and PT Indotaisei Indah Development, the former concentrates on the rental of the factory buildings while the latter on the rental of industrial land. Kawasan Industri appears to be the holding company of the park. As of January 2012, Phase 1 of the industrial city is near full capacity. There are plans for further expansion in several Phase 2a, 2b and 3. At the completion of the first three phases, land area will span 700 ha. There is a masterplan in place to expand the industrial city to 2,000 ha.</p>	<p>Name and Address: Taisei Corporation, Shinjuku Center Building, Shinjuku-ku, 160-0806, Japan</p> <p>Telephone: +81 33348 1111</p> <p>Email: Unavailable but there is a contact form: fmsg.jp/webapp/hear/10878.39/showEnquete.do?enqueteid=39&amp;clientid=10878&amp;databaseid=k</p> <p>Website: www.taisei.co.jp/english/</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p> <p>Name and Address: PT. Indomobil Sukses International Tbk, Wisma Indomobil 1, Jl. MT Haryono Kav. 8, Jakarta 13330, Indonesia</p> <p>Telephone: +62 21 8564850 / 8564860 / 8564670</p> <p>Email: Could not be confirmed from public information.</p> <p>Website: www.indomobil.com/index.php</p> <p>Amount Contributed: Could not be confirmed from public information.</p>

# Indonesia

Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
									Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information. Name and Address: Indonesia Investment Coordinating Board (BKPM), Jl. Jend. Gatot Subroto No. 44, Jakarta 12190 Telephone: +62 21 5252 008 Email: info@bkpm.go.id Website: www.bkpm.go.id/ Amount Contributed: Could not be confirmed from public information. Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
<b>XXD10</b>	Krakatau Industrial Estate	1982	Name and Address: Wisma Krakatau 1st Floor, JL. KH Yasin Beji No. 6, Cilegon, Banten, 42435, Indonesia  Telephone: +62 254 393232 / 393234 Fax: +62 254 380630 / 392440  Email: marketing@kiec.co.id, corsec@kiec.co.id Website: www.kiec.co.id/	Located in Cilegon, Banten province, 100km from Jakarta.  Latitude: -6.000732, Longitude: 106.042372	The industrial estate consists of two areas, totaling 825 ha, the first area is 550 ha, the second 75 ha and is occupied by the 70 companies. 245 ha of the first area is occupied. Between 2009 and 2012, the estate has won 13 awards, relating to its performance and trustworthiness. The estate is also certified for ISO 9001:2008, ISO14001:2004 It has the accompanying commercial and residential facilities, as well as its own port (it is on the sea).	Although the park says there are 70 companies, only 47 are listed. Four of those companies are Japanese. However, Krakatau Steel, the parent company of KIEC, entered into two joint ventures with Japanese companies in January 2013.	Name and Address: Wisma Krakatau 1st Floor, JL. KH Yasin Beji No. 6, Cilegon, Banten, 42435, Indonesia  Telephone: +62 254 393232 / 393234  Email: marketing@kiec.co.id, corsec@kiec.co.id Website: www.kiec.co.id/	There have been two major Japanese-Indonesian joint ventures since January 2013. Krakatau Steel, the parent company of KIEC, entered into an agreement with Nippon Steel and Sumitomo Metal Corporation to build a steel plant for the domestic automotive market, and with Osaka Steel to build a plant for infrastructure and construction. The plants will be located in KIEC.	Name and Address: PT Krakatau Steel (Persero) Tbk, Jl. Industri No. 5 P.O. Box 14 Cilegon, Banten 42435, Indonesia  Telephone: +62 254 392159 / 392003  Email: corsec@krakatausteel.com Website: www.krakatausteel.com  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
<b>XXD11</b>	Kawasan Industri Kujang Cikampek (KIKC) (also called Kujang Industrial Estate)	Could not be confirmed from public information.	Name and Address: PT Kawasan Industri Kujang Cikampek (KIKC), Jl. Jend. A. Yani No. 39 PO Box 62, Cikampek 41373, Jawa Barat, Indonesia  Telephone: +62 264 7000700 / 319453 Fax: +62 264 313114  Email: info@kikc.co.id Website: www.kikc.co.id	Located in Cikampek, Karawang province, 70km west of Jakarta; 60km north of Bandung.  Latitude: -6.546883, Longitude: 107.438754	The estate covers 140 ha. It is about 2.4km from the main toll road leading to Jakarta. The park has the standard facilities, ranging from factory space, to commercial and residential areas. There is a stable power, water and electricity supply. As of 2006, perhaps two thirds of the park's rental space was unused. It is notable that the park recommend that the investors use inspectors to survey the "silty soil", suggesting that the quality of the land may not be optimal.	The website states that are Japanese, Indian and Indonesian companies in the park, but does not give the specific number of each.	Name and Address: PT Kawasan Industri Kujang Cikampek (KIKC), Jl. Jend. A. Yani No. 39 PO Box 62, Cikampek 41373, Jawa Barat, Indonesia  Telephone: +62 264 7000700 / 319453  Email: info@kikc.co.id Website: www.kikc.co.id	No publicly available information on development.	Name and Address: Pupuk Kujang, Jl. Jend A. Yani No. 39 Cikampek 41373 Jawa Barat  Telephone: +62 264 316141  Email: info@pupuk-kujang.co.id Website: www.pupuk-kujang.co.id/home.php Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
<b>XXD12</b>	Lippo Cikarang Industrial Park	1989	Name and Address: PT Lippo Cikarang, Industrial & Commercial, Marketing Office, City Centre Building, Jl. M.H. Thamrin Kav. 100, Lippo Cikarang, Bekasi 17550, Indonesia  Telephone: +62 21 8972080 Fax: Could not be confirmed from public information.  Email: lctpark@lippo-cikarang.com Website: www.lippo-cikarang.com/product/vn/tech/id	Located in South Cikarang, Bekasi province, 31km east of Jakarta.  Latitude: -6.346375, Longitude: 107.157834	Lippo Cikarang is the company which has developed the surrounding township, which consists of an industrial area, known as Delta Silicon Industrial Park. The park has a special zone for "non-pollution" technological industries. Basic infrastructure services are available. It has more than 500 factories and 250,000 workers.	Japan is the biggest FDI in the industrial park, making up 16% of overall investment. It is notable that PT Lippo Cikarang also owns a 45% stake in PT Hyundai Inti Development.	Name and Address: PT Lippo Cikarang, Industrial & Commercial, Marketing Office, City Centre Building, Jl. M.H. Thamrin Kav. 100, Lippo Cikarang, Bekasi 17550, Indonesia  Telephone: +62 21 8972080  Email: lctpark@lippo-cikarang.com Website: www.lippo-cikarang.com/product/vn/tech/id	According to a 2011 report by Kim Eng Holdings, the expansion of the park will focus on residential areas. The report forecasts that given the growing presence of Japanese firms in Bekasi such as Toyota, Daihatsu and Honda, Lippo Cikarang was likely to become a future investment vehicle, especially given the strong infrastructural development of the park. In November 2012, it was expected that a road would be completed which would link the park to the main toll roads - cutting a 30 minute journey down to three minutes.	Name and Address: PT Lippo Karawaci Tbk, 22nd-23rd Floor Matahari Tower, Tangerang, 15811, Indonesia  Telephone: +62 21 2566 9000  Email: corsec@lppokarawaci.co.id Website: www.lppokarawaci.co.id/index.php  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Owns a majority 51.6% stake.
<b>XXD13</b>	Makassar Industrial Area (PT Kawasan Industri Makassar-KIMA)	1988	Name and Address: PT KIMA, Jalan Perintis Kemerdekaan Km. 15 Daya, Makassar, South Sulawesi  Telephone: +62 411 510 158, +62 411 511 171  Fax: +62 411 510098 Email: jumiani69@yahoo.co.id, marketing@ptkima-makassar.co.id Website: www.ptkima-makassar.co.id	KIMA is located at Makassar, the capital city of South Sulawesi Province. 10 minutes drive to Hasanudin airport and 20 minutes drive to Makassar sea port.  Latitude: -05.1036111, Longitude: 119.5019444	KIMA is a government industrial estate spanning 303 ha, of which 237.39 ha has since been sold to 250 enterprises. It has ISO 9001 certification and earned awards such as "Best National State Owned Enterprise(BUMN)" in 2004 and "The Best of Ten of BUMN" in 2012. The estate has logistic, infrastructure, property management, and commercial services. It also provides rental for heavy equipment.	It has two Japanese company among its 246 tenants.	Name and Address: PT KIMA, Jalan Perintis Kemerdekaan Km. 15 Daya, Makassar, South Sulawesi  Telephone: +62 411 510 158, +62 411 511 171,  email: marketing@ptkima-makassar.co.id  website: www.ptkima-makassar.co.id	The government of South Sulawesi has recommended the development of a second industrial estate - KIMA 2. This is expected to expand to a total of 703 ha (KIMA 1 and 2).	PT KIMA is a state owned company with 60 shares owned by the Government, 30 % owned by the regional government and 10% by the Makassar city government.
<b>XXD14</b>	Milenium Industrial Estate	2001	Name and Address: Milenium Industrial Estate, Pesar-panganan-tigaraksa Tangerang 15720, Banten 038254, Indonesia  Telephone : +62 21 599 0000, +62 8788800091, +62 21 7023 1727 (Mr.Eko, Marketing Manager) Fax: Could not be confirmed from public	The industrial estate is located in Banten Province. 15 minutes from Cikupa Tigaraksa, Balaraja Timur Exit Toll road gate Km 36; 30km from Soekarno Hatta International Airport.  Latitude: -06.2519444, Longitude: 106.4972222	The park is 169.76 ha in size. It is a well supported industrial estate with basic infrastructure such as roads, electricity, telecommunication network, security, street lighting and a drainage system. Further infrastructure is still in development. It has also good access to toll road and Jakarta-Cengkareng Airport.	There are at least 3 Japanese company who invest in Milenium Industrial Estate.	Name and Address: PT Bumi Citra Permai, Milenium Group Building Jl. Kramat Raya No 32 - 34; Jakarta Pusat 10450, Indonesia  Telephone : +62 21 391 6338	There is a plan to developed phase IV which consists new warehouses and future infrastructure such as water treatment, waste water treatment and energy supply.	Name and Address: Milenium Danatama Group, Menara Kebon Sirih, Floor 20-21, Jl. Kebon Sirih Kav 17-19, Jakarta Pusat 10340, Indonesia  PT Bumi Citra Permai is a subsidiary of Milenium Danatama Group.  Telephone: +62 21 392 9929

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Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
			Email: Could not be confirmed from public information.  Website: Could not be confirmed from public information.				Email: Could not be confirmed from public information.  Website: www.bumicitrapermal.com (Dead link)		Email: Could not be confirmed from public information.  Website: www.ndi.asia/index.php?mode=property&task=hw_mie  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: PT Bumi Citra Permai owned 167 ha from total 400 ha land allocated to be the area of the Industrial Estate  No publicly available information on capital contributors
<b>XXID16</b>	Mitra Karawang Jaya Industrial Estate (Kawasan Industri Mitra Karawang)	1992	Name and Address (Jakarta): PT Mitra Karawang Jaya, Imora Building 4th Fl, J.L. P. Jayakarta No.50, Jakarta 10730  Name and Address (Site office): Kawasan Industri Mitrakarawang, Desa Parungmulya, Kecamatan Ciampel, Kabupaten Karawang Propinsi, Jawa Barat  Telephone: +62 267 440808/ 440809 (Site office), +62 21 6010805/ 6010806/ 6287291 (Jakarta office)  Fax: +62 21 6287292  Email: marketing@mitrakarawang.com  Website: www.mitrakarawang.com	Located in Karawang, about 50km from the Jakarta CBD, 1.5km to Soekarno-Hatta Airport, 65km to the Tanjung Priok Port.  Latitude: -6.377315, Longitude: 107.306818	The estate spans approximately 500 ha and is organized in a blocks.  There are 4 Japanese companies which already invest in the industrial park: 1) PT Honda Prospect Motor 2) PT Asama Mfg 3) PT Nkawa Textile Industry 4) PT Tochu Silika Indonesia		Name and Address: PT Mitra Karawang Jaya, Imora Building 4th Fl, J.L. P. Jayakarta No.50, Jakarta 10730  Telephone: +62 267 440808/ 440809 (Site office), +62 21 6010805/ 6010806/ 6287291 (Jakarta office)  Email: marketing@mitrakarawang.com  Website: www.mitrakarawang.com	There are 3 phase of development for the industrial estate. The first phase started in 1993 and developed 130 ha, the second phase in 1996 with 170 ha. Phase 3, developing 200 ha is looking for another potential buyer. The estate features standard infrastructure, support and commercial facilities.	
<b>XXID16</b>	MM2100 Industrial Town (MMID)	1990	Name and Address: MM2100 Industrial Town Cikarang Barat, Bekasi 17520, West Java, Indonesia  Telephone: +62 21 8981001  Fax: Could not be confirmed from public information.  Email: mkt-sales@mmid.co.id  Website: www.mm2100.co.id/	Located in Cikarang Barat, Bekasi province, 31km east of Jakarta, 35km from Tanjung Priok Port and 55km from Cengkareng Airport.  Latitude: -6.302125, Longitude: 107.081780	The park is a three-phase, 805 hectare industrial estate. The project is a joint venture between Japanese Marubeni Corporation and Indonesian Manunggal Group. Basic infrastructure services are available, including residential and commercial facilities. The quality of the soil, the accessibility, the stability of the power supply, etc. are all said to reduce operational costs, particularly at the outset. It also states on the website that the industrial town adheres to environmental laws.	As of 2010, there was 175 companies based in the park, 121 of which are Japanese. Besides this, one the three joint partners in the project is Japanese Marubeni Corporation.	Name and Address: PT Maglopolis Manunggal Industrial Development, MM2100 Industrial Town, Bl A/17, Bekasi 17520, West Java, Indonesia  Telephone: +62 021 89983507 / 8990864  Email: Could not be confirmed from public information. Website: Could not be confirmed from public information.	The park was established in 1990 by Marubeni Corporation of Japan and Manunggal Group of Indonesia. The park was developed in three phases. Phase I and Phase 2 totaling 360 ha have already sold out. Phase 3 consists of 445 ha, of which 405 are still available. In summer 2012, the Unilever Mega DC warehouse – which at 90,000 sqm is the largest warehouse in Asia – was completed on the site.	Name and Address: Marubeni Corporation, Tokyo Head Office, 4-2, Ohtemachi 1-chome, Chiyoda-ku, Tokyo 100-8088, Japan  Telephone: +81 3 3282 2111  Email: www.marubeni.com/cgi-bin/e/contact02/form.cgi Website: www.marubeni.com/index.html  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.  Name and Address: Argo Manunggal Group, Wisma Argo Manunggal Lt 6 Jl. Gatot Subroto Kav 22, 12930, Jakarta  Telephone: +62 021-2520088  Email: Could not be confirmed from public information. Website: www.argo.co.id  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.  Name and Address: Bekasi Fajar Industrial Estate PT, Jl. Sumatera, Kawasan Industri MM2100, Cikarang Barat, Bekasi 17520  Telephone: +62 0218980133 Email: bekasifajar@mm2100.co.id Website: bekasifajar.com  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
<b>XXID17</b>	Modern Cikande Industrial Estate (MCIE)	1991	Name and Address: Modern Cikande Industrial Estate, PT. Prisma Inti Semesta, Jl. Raya Jakarta-Serang km. 68 Cikande, Serang 42186 Banten, Indonesia  Phone: +62 254 401605, +62 254 401606  Fax: +62 254 401630  E-mail: marketing@modern-cikande.co.id/modern_cikande@yahoo.com	The Modern Cikande Industrial Estate (MCIE) is situated in Cikande, Serang, Banten Province, approximately 68km away from Jakarta, 75km from Tanjung Priok Harbour and 50km from Soekarno-Hatta International Airport.  Latitude: -6.196875, Longitude 106.351376	The MCIE covers 1,050 ha divided into different phases accommodating different types of industry. The estate provides standard infrastructure and commercial services as well as housing for laborers. The MCIE currently has more than one hundred of foreign and Indonesia companies that already invested in the estate. It accommodates a wide variety of industries including chemical manufacturers, food processing manufacturers, automotive component producers, shoe components. It is also located near to Bojonegara Seaport, which currently in development and will later become	There are 5 Japanese companies which already invested at the estate which is PT. Yasunaga Indonesia, PT. Mitaba Indonesia, P. T. Indonesia Nippon Seiki, PT Tomoe Engineering and PT. Yamatogawa Indonesia.	Name and Address: PT. Prisma Inti Semesta, Jl. Raya Jakarta-Serang km. 68, Cikande, Serang 42186 Banten, Indonesia  Phone: +62 254 401605, +62 254 401606  E-mail: marketing@modern-cikande.co.id/modern_cikande@yahoo.com	PT. Prisma Inti Semesta is a subsidiary of PT Modernland Realty Tbk. (MDLN) member of Modern Group. Modernland is currently developing phase 5 adding 350 ha to the existing industrial estate. Modernland also has plans to gradually take over surrounding land with a target of 1,000 ha of land acquired in 5 years, averaging 200 ha per year. Modernland has allocated Rp 800 billion for this planned expansion.	Name and Address: PT Modernland Realty Tbk., Jl. Hartono Raya Hall Ruko, Kota Modernland, Tangerang 15117, Indonesia  Telephone: +62 21 5528888  Email: marketing@modernland.co.id

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Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
			Website: www.modern-cikande.co.id		the Indonesia's largest export-import containers port. Aside from local companies, there are other tenants come from various countries ( South Korea, China, Taiwan, Thailand, Singapore, Malaysia, USA, India, Germany, France, Australia, New Zealand, Austria, UK, Switzerland).		Website: www.modern-cikande.co.id		Website: http://www.modernland.co.id/ Amount Contributed: In the beginning of 2012, MDLN acquired Cikande Industrial Estate, in Serang Banten, which covers 375ha. With transaction value of Rp 249bn. In Cikande, Modernland has taken over two industrial estate developers – PT Prima Inti Semesta and PT The New Asia Industrial Estate, with acquisition value Rp 122 billion and Rp 127 billion respectively.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed through public information.
<b>XXD18</b>	Nusantara Bonded Zone	1986-1994	Name and Address: PT (Persero) Kawasan Berikat Nusantara (KBN), Jalan Raya Cakung, Cilincing, Tanjung Priok, North Jakarta 14140  Telephone: +62 21 44820909 Fax: +62 21 44820042 Email: marketing@kbn.co.id, sekper@kbn.co.id  Website: www.kbn.co.id	The industrial estate is located in Jakarta in 3 separate areas: Cakung (East Jakarta), Marunda and Tanjung Priok (North Jakarta).  Cakung area is approximately 5km from the Tanjung Priok Port. Latitude: -6.145291, Longitude: 106.935357  Marunda area is approximately 3km from Tanjung Priok port. Latitude: -6.111048, Longitude: 106.94306  Tanjung Priok are is located within the Tanjung Priok Port. Latitude: -6.109235, Longitude: 106.888751	Cakung area covers 176.7 ha where 166.5 hectares are in a non-boded zone. Marunda are covers 413.8 ha consisting of 287.2 ha of bonded zone. Tanjung Priok area is located in the Tanjung Priok Port spanning 8 ha of bonded zone. The zones offer rental for industrial and standard factory buildings. Logistic services are integrated due to proximity to the port, such as freight forwarding, container depot and bonded and non-bonded warehouses are available. Other infrastructure and general industrial estate services are provided.	There are 4 Japanese companies operating in KBN Cakung Area, namely PT Eight Oh Two (garment), Pt. Komatsu Reman Indonesia (Heavy equipment), Pt. Medika Apparelsindo (Hospital uniform), PT Sejin Jaya Indonesia (Export Import Trade).	Name and Address: PT Kawasan Berikat Nusantara (Nusantara Bonded Zone), Jalan Raya Cakung Cilincing, Tg. Priok, North Jakarta, Indonesia 14140  Telephone : +62 21-44820909  Email: marketing@kbn.co.id, sekper@kbn.co.id  Website: www.kbn.co.id	Particularly in Marunda, which is a newly developed area for the estate, there is already 90 ha ready to use.	Nusantara Bonded Zone is a state owned company, with the following shareholders: the Government of Indonesia holds 88.7% and the regional Jakarta government holds 11.3 % of all shares.
<b>XXD19</b>	Panbil Industrial Estate	2002	Address: Panbil Industrial Estate Panbil Plaza, Jalan Ahmad Yani Muka Kuning, Batam 29433, Indonesia  Telephone: +62 778 371000 Fax: +62 778 371100 Email: agnes@panbil.co.id; ricky_rj@panbil.co.id  Website: www.panbil.co.id	Panbil is located at the center of Batam Island in the Mukakuning district. According to its website it is connected by a network of roads and is easily accessible to Hang Nadim International Airport, Ports and other various commercial centers. Information on latitude and longitude was not publicly available.	It is an industrial estate with characteristics of a self contained industrial township. The land of Panbil Industrial Estate is divided into four different areas: one industrial, one commercial, and one residential and additional public spaces. Infrastructure and green or open spaces are provided. The estate is also supported by the Batam Indonesia Free Zone Authority. The developer plans to install one stop services including assistance for investors in acquiring permissions and licenses.	The Japanese companies PT Etowa Packaging Indonesia and Shimano have invested in this park.	Name and Address: PT Nusatama Properti Panbil, Jalan Jenderal A Yani, Sungai Beduk, Batam  Telephone: +62 778 371000  Email: agnes@panbil.co.id; ricky_rj@panbil.co.id  Website: www.panbil.co.id	There is a plan to expand and provide 200 ha land for new investors.	Name and Address: PT Nusatama Properti Panbil is the owner of Panbil Industrial Estate.  Telephone: +62 778 371000  Email: agnes@panbil.co.id; ricky_rj@panbil.co.id  Website: www.panbil.co.id  Amount Contributed: The developer has already invested USD 180 million from the planned USD 300 million for the project development. Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed through public information.
<b>XXD20</b>	Pasuruan Industrial Estate Rembang (PIER)	Could not be confirmed from public information.	Name and Address: Jl. Raya Surabaya, Pasuruan Km. 50, Jawa Timur, Indonesia  Telephone: +62 0343 741614 / 741695 Fax: +62 0343 741677 Email: Could not be confirmed from public information. Website: sier-pier.com	Located in Pasuruan, East Java and 60km from Port Tanjung Perak Surabaya. Latitude: -7.8275, Longitude: 112.923889	The park is made up of 518 ha, which are divided into "Provision Bonded Zones" of 50 ha. These are geared towards companies which are export-oriented.	There are at least 13 Japanese companies based in PIER, although it is unknown how many companies operate here overall.	Name and Address: PT Surabaya Industrial Estate Rungkut (PERSERO), Jl. Raya Surabaya-Pasuruan Km 50, Pasuruan, Indonesia  Telephone: +62 33 237 4578  Email: Could not be confirmed from public information. Website: sier-pier.com/	With the exception of the supporting infrastructure and some commercial facilities, there do not appear to be any residential areas. There was no further publicly available information on development.	Name and Address: Kreditanstalt für Wiederaufbau (KfW), Palmengartenstrasse 5-9 60325 Frankfurt/ Main  KfW is a German government-owned development bank.  Telephone: +49 6974310  Email: through website  Website: www.kfw.de Amount Contributed: USD 0.4 million Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
<b>XXD21</b>	Suryacipta City of Industry	1995	Name and Address: Jl. Surya Lestari Ciampel, Kerawang 41361, Indonesia  Telephone: +62 267 440088, +62 811 940411 (Japanese desk) Fax: +62 267 440077 Email: webmaster@suryacipta.com, tadashi.sakai@suryacipta.com (Japanese desk) Website: www.suryacipta.com	Located in Karawang province; 55km east of Jakarta. Latitude: -6.371221, Longitude: 107.328407	The park spans 1,400 ha, 849 of which are for industrial use. The park offers rental for both standard factory buildings and industrial land. 25 investors utilise these integrated facilities. The facilities that have been developed besides the industrial capacity include residential and commercial areas, in addition to the necessary infrastructure (e.g. roads and rentable equipment).	Of the 25 known investors, three are Japanese companies; and of the nine developing partners, four are Japanese. Unnamed on the company's website but reportedly associated are PT Atsumoto Indonesia, who manufacture automotive parts. PT Suryacipta Swadaya also has a Japanese desk and exclusive agent for Japanese companies.	Name and Address: PT Suryacipta Swadaya, Graha Surya Internusa, 11th Floor, JL. HR Rasuna Said, Kav. X-0, Kuningan, Jakarta, 12950 Indonesia  Telephone: +62 21 5272882  Email: webmaster@suryacipta.com  Website: www.suryacipta.com/	The park was primarily developed by an Indonesian firm: PT Suryacipta Swadaya. There are nine other partners. The park was developed in three phases, with 500 ha of land being freed for development in 1995, then in 1997 – the third stage has presumably been executed since then. In 2013, the Japanese Bank for International Cooperation (JBIC) said it would continue to finance the operations of the Japanese firm JKEKT Indonesia, who rent out a factory in the park, given the growing market for motorcycle parts.	Name and Address: PT. Jaya Obayashi JL.Pancoran Timur I No.3, Pancoran, Jakarta 12780, Indonesia  Telephone: +62 021 7902223 / 7944142  Email: obayashi@rad.net.id  Website: www.obayashi.co.jp/english/ Amount Contributed: Could not be confirmed from public information. Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information. Name and Address: PT. Nusa Raya Cipta, Graha Cipta Building 2nd Floor, Jl. D.I Panjaitan No. 40 Jakarta 13350 Telephone: +62 021 8193526 Email: nrc@nusarayacipta.com



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						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
									<p>Website: <a href="http://www.nusarayacipta.com">www.nusarayacipta.com</a></p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p> <p>Name and Address: Jurong Engineering Limited (JEL), 25, Tanjong Kling Road, Singapore, 628050, Singapore</p> <p>Telephone: +65 62653222</p> <p>Email: <a href="mailto:marketing@jel.com.sg">marketing@jel.com.sg</a></p> <p>Website: <a href="http://www.jel.com.sg/index.htm">www.jel.com.sg/index.htm</a></p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>
									<p>Name and Address: Pacific Consultant International, 1-7-5 Sekido, Tama-shi, Tokyo 206-8550</p> <p>Telephone: Could not be confirmed from public information.</p> <p>Email: <a href="mailto:www.pacific.co.jp/cp-bin/e-contact/index.cgi">www.pacific.co.jp/cp-bin/e-contact/index.cgi</a></p> <p>Website: <a href="http://www.pacific.co.jp">www.pacific.co.jp</a></p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>
									<p>Name and Address: PT. Dacrea Design and Engineering Consultants, Jl. Bandungan Hill Raya Kav. 36A, Block B No.8, Jakarta 10210</p> <p>Telephone: +62 21 5737816</p> <p>Email: <a href="mailto:dacrea@cbrn.net.id">dacrea@cbrn.net.id</a></p> <p>Website: <a href="http://www.dacrea.com">www.dacrea.com</a></p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>
									<p>Name and Address: Kumagai Gumi Co., LTD, 2-1, Tsukudo-cho, Shinjuku-ku, Tokyo 162-8557, Japan</p> <p>Telephone: +81 3 3235 8641</p> <p>Email: Could not be confirmed from public information.</p> <p>Website: <a href="http://www.kumagaiumi.co.jp">www.kumagaiumi.co.jp</a></p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>
									<p>Name and Address: PT Kadi International (West Java Branch), Jl. Raya Kosambi Curug Km. 2, Walahar, Klari, Karawang 41371</p> <p>Telephone: +62 0267 431081</p> <p>Email: <a href="mailto:info@kadi.co.id">info@kadi.co.id</a></p> <p>Website: <a href="http://www.kadi.co.id">www.kadi.co.id</a></p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>
									<p>Name and Address: Sumitomo Corporation, Harumi 1-chome, Chuo-ku, Tokyo 104-8610</p> <p>Telephone: +81 03 5166 5000</p> <p>Email: Could not be confirmed from public information.</p> <p>Website: <a href="http://www.sumitomocorp.co.jp">www.sumitomocorp.co.jp</a></p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>

# Indonesia

Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
<b>XXID22</b>	Taiwan International Industrial Estate	1990	Name and Address: Jl. Hang Kesturi No. 1 Kabili, Batam Island, Kepulauan Riau, Indonesia  Telephone: +62 778 711029 Fax: +62 778 711044 Email: Could not be confirmed from public information. Website: Could not be confirmed from public information.	Located on Batam Island, within minutes of several ports and airports; Exact coordinates are not publically available.  General coordinates for the street lane is: Latitude: 1.094875, Longitude: 104.118329	Very little information available about the park. It is very small – only 5.4 ha, although there are 77 tenants (nationality unknown). Buildings for let are up to 8,000sqm. It is part of the wider Batam Industrial Area, in which there are 26 parks. The island itself is duty free zone.	77 tenants – nationality unknown.	Name and Address: Jl. Hang Kesturi No. 1 Kabili Batam Island, Kepulauan Riau, Indonesia  Telephone: +62 778 711029  Email: Could not be confirmed from public information. Website: Could not be confirmed from public information.	No publicly available information on development, infrastructure or facilities.	Name and Address: No publicly available information on capital contributors
<b>XXID23</b>	Terboyo Semarang Industrial Area	Could not be confirmed from public information.	Name and Address: PT. Merdeka Wirastama Jalan Kawasan Terboyo Ind Park L, Genuk, Semarang, Jawa Tengah, Indonesia 50118  Telephone: +62 246 580110 Fax: Could not be confirmed from public information. Email: Could not be confirmed from public information. Website: Could not be confirmed from public information.	Located in Semarang City. Latitude: -6.953364, Longitude: 110.403905	As of 2009, the total industrial area spans 300 ha, occupied by more than 150 local and foreign companies. It is also located near Tanjung Mas harbour which supports export and import activities. It is notable that the park suffers from a tendency to flood. There has also been land subsidence.	No publicly available information on Japanese investment.	Name and Address: PT. Merdeka Wirastama, Jalan Kawasan Terboyo Ind Park L, Genuk, Semarang, Jawa Tengah, Indonesia 50118  Telephone: +62 246 580110  Email: Could not be confirmed from public information. Website: Could not be confirmed from public information.	No publicly available information on development, infrastructure or facilities.	Name and Address: PT. Nusa Raya Cipta, Graha Cipta Building 2nd Floor, Jl. D.I Panjaitan No. 40 Jakarta 13350, Jl. MT Haryono Kav. 8, Jakarta 13330 Indonesia  Telephone: +62 021 8193526  Email: nro@nusarayacipta.com Website: www.nusarayacipta.com Amount Contributed: Could not be confirmed from public information. Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
<b>XXID24</b>	Tuban Industrial Estate	1990/2012 (Tuban)	Name and Address: PT Kawasan Industri Gresik, Jl. Tridharma 03 Gresik, East Java, Indonesia Telephone: +62 313984707, +62 313984271, +62 313984472 Fax: +62 313982117 Email: marketing@kig.co.id, herry@kig.co.id Website: www.kig.co.id	The estate located in city of Gresik, East Java Province and Tuban which is a 100 km from Gresik. Tuban industrial estate located just adjacent to Java sea. Latitude: -7.156508, Longitude: 112.636469	The Tuban Industrial Estate spans 300 ha of land and is located near the Tuban cement factory.	There are no currently Japanese company in Tuban Industrial Estate.	Name and Address: PT Kawasan Industri Gresik, Jl. Tridharma 03 Gresik, East Java, Indonesia Telephone: +62 313984707, +62 313984271, +62 313984472  Email: marketing@kig.co.id, herry@kig.co.id Website: www.kig.co.id	PT Kawasan Industri Gresik was established by two state owned companies, PT Semen Gresik with shares composition 65% and PT Petrokimia Gresik with share 35%. Tuban Industrial Estate is currently being developed, but is well-supported by inclusive infrastructures and facilities. This comes after the completion of the Gresik Industrial Estate which spans 125 ha with approximately 44 ha for infrastructure and 91 ha for commercial areas. Gresik Industrial Estate plans to widen its services with the development of the Tuban Industrial Estate.	Name and Address: PT Semen Gresik, Gedung Utama Semen Gresik, Jl. Veteran Gresik 61122, Indonesia Telephone: +62 31 398 1732, +62 31 398 1745  Email: pts@sgsgrp.com Website: www.semen Gresik.com Amount Contributed: Could not be confirmed from public information. Percentage/Ratio of Contribution Compared to Total Capital Contributions: PT Semen Gresik holds a 65% stake in PT Kawasan Industri  Name and Address: PT Petrokimia Gresik, Graha Sarana Jalan Ahmad Yani Gresik 61119, Indonesia Telephone: +62 31 3981811 Email: www.petrokimia-gresik.com/ContactUs Website: www.petrokimia-gresik.com Amount Contributed: Could not be confirmed from public information. Percentage/Ratio of Contribution Compared to Total Capital Contributions: PT Petrokimia Gresik holds a 35% stake in PT Kawasan
<b>XXID25</b>	Tunas Industrial Estate	1996	Name and Address: PT Tritunas Bangun Perkasa, Tunas Industrial Estate, Jl. Engku Putri Ruko 1A No. 10, Batam Centre, Batam Island, 29462, Indonesia  Tel: +62 778 471 818 / +62 778 471 222/ +62 812 7000 868 (Thomas Rudy) Fax: +62 778 471 819 Email: sales@tritunas.net, thomasrudy@tritunas.net Website: www.tritunas.net	The industrial estate located in Batam Island-Riau Province, in the are of Batam Centre. Latitude: 1.105479, Longitude: 104.072333	Eight factory types are available for rent in the industrial estate. The developer's concept is to build a multifunction and multipurpose facility that combines business and industrial park. The park provides 24-hour security service; water, gas and electricity supply; telecommunications, and commercial facilities.	There is a low level of Japanese investment in the estate.	Name and Address: PT Tritunas Bangun Perkasa, Tunas Industrial Estate, Jl. Engku Putri Ruko 1A No. 10, Batam Centre, Batam Island, 29462, Indonesia  Tel: +62 778 471 818 / +62 778 471 222/ +62 812 7000 868 (Thomas Rudy)  Email: thomasrudy@tritunas.net Website: www.tritunas.net	PT. Tritunas Bangun Perkasa is the developer of Tunas Industrial Estate. It is currently the biggest industrial estate in the area of Batam Centre, operating 64 ha of industrial estate. Planned development has started on Tunas Industrial Estate 2 which provides 36 units of showhouses and 104 units of warehouses. The construction of the first phase has already started in March 2013 and consists of 36 units of showhouses and 31 units of warehouses. Another power plant is in the midst of being developed to support the one-stop business district Mall TOP 100 of Batu Aji Batam.	Name and Address: PT Tritunas Bangun Perkasa, Tunas Industrial Estate, Jl. Engku Putri Ruko 1A No. 10, Batam Centre, Batam Island, 29462, Indonesia  Tel: +62 778 471 818 / +62 778 471 222/ +62 812 7000 868 (Thomas Rudy)  Email: thomasrudy@tritunas.net Website: www.tritunas.net Amount Contributed: Could not be confirmed through public information. Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed through public information.
<b>XXID26</b>	Karawang International Industrial City (KIIC)	Year 1992	Name and Address: Industri KIIC Karawang 41361, West Java, Indonesia  Telephone: Could not be confirmed from public information. Fax: Could not be confirmed from public information.	Karawang International Industrial City (KIIC) is located in Karawang province, a population of 2 million people, and 56km (or about 60 minutes) from the center of Jakarta. It is served by the 4-lane Jakarta-Cikampek highway with a direct toll entrance to KIIC. It is about 80km to the Soekarno-Hatta Airport (less than two hours) and approximately 60km to Tanjung Priok port (less than two hours). Latitude: - 6.353516, Longitude: 107.282814	KIIC is a 1400 ha industrial development. KIIC is the first industrial estate in Indonesia to be granted various ISO certifications. KIIC was also the first industrial estate in the Jakarta to set up a community development division, which has tried to improve the quality of local human resources and the development of alternative sources of income for local people. KIIC has internal road system (main roads: 4 lanes and peripheral roads: 2 lanes). There is no power substation on site but KIIC has	KIIC is co-invested by Sinar Mas Land and Itochu Corporation (Japan); 50% by ITOCHU, 50% by Sinar Mas Group respectively. There are more than 70 Japanese companies located in the park and some of the firms are: • Toyota Motor, • HM Sampoerna, • Yamaha Motor, • Astra Daihatsu Motor, • Panasonic Semiconductor, • Sharp Semiconductor.	Name and Address: Sinar Mas Land Ltd. 108 Pasir Panjang Road, No. 06-00 Golden Agri Plaza, Singapore 118535  Telephone: +65 6220 7720  Email: info@sinarmasland.com	KIIC became operational at the end of the first phase of construction in 1995. By the end of 1997, the second construction phase was completed and facilities such as a golf course, a hotel, an apartment complex, and some landed houses were added. In March 2007, 80 % of the plots were already sold and occupied by 82 companies, 90% of which were Japanese companies. As of June 2013, sales prices have not been announced yet. Currently, there is no available units for sale.	Name and Address: Sinar Mas Land Head Office, Sinar Mas Land Plaza, Jl. Grand Boulevard, BSD City, Tangerang 15345, Banten, Indonesia  Telephone: Could not be confirmed from public information. Email: info@sinarmasland.com

# Indonesia

Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
			<p>Email: Could not be confirmed from public information.</p> <p>Website: <a href="https://www.itochu-realty.com/solutions/industrial_park/kiic/index.html">https://www.itochu-realty.com/solutions/industrial_park/kiic/index.html</a> or <a href="http://www.sinarmasland.com/site/?pg=projects&amp;cat=46pg=51">www.sinarmasland.com/site/?pg=projects&amp;cat=46pg=51</a></p>		<p>contracted with a power supplier for the industrial park to ensure a more stable power service. Natural gas is available and is supplied by a contractor. There is also the sewage system, as well as telecommunication services including telephone and ADSL cables. KIIC also has 160 rooms of serviced apartments, two Japanese restaurants, three banks, convenience stores, and sports facilities. It recently started ready-build factories (RBF) to satisfy diversified expansion demands. RBFs have land area of 5 ha and gross floor area of 27,000 sqm.</p>	<ul style="list-style-type: none"> <li>- Idemitsu,</li> <li>- Meiji</li> <li>- Unicharm</li> </ul> <p>More than 80% of the customers (altogether 130 tenant companies) are Japanese invested companies. This number reflects the occupancy rate from the existing fully operational phases (1, 2 and 3) of KIIC (total development area of 1,400 ha). The construction of Phase 4 has commenced since 2012.</p>	<p>Website: <a href="http://www.sinarmasland.com">www.sinarmasland.com</a></p>		<p>Website: <a href="http://www.sinarmasland.com">www.sinarmasland.com</a></p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: 50%</p> <p>Name and Address: ITOCHU Corporation Japan, Tokyo Headquarter, 5-1, Kita-Aoyama 2-chome, Minato-ku, Tokyo 107-8077, Japan</p> <p>Telephone: +81 03 3497 2121</p> <p>Email: Could not be confirmed from public information.</p> <p>Website: <a href="http://www.itochu.co.jp">www.itochu.co.jp</a></p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: 50%</p>
XXXX27	Kawasan Industri Indotaisei Kota Bukit Indah	Could not be confirmed from public information.	<p>Name and Address: PT Indotaisei Indah Development, Kawasan Industri Indotaisei, Sector IA Blok B Kalihurip, Cikampek 41373, West Java, Indonesia</p> <p>Telephone: +62 264 351 003</p> <p>Fax: +62 264 351 026</p> <p>Email: <a href="mailto:marketing@indotaisei.com">marketing@indotaisei.com</a></p> <p>Website: <a href="http://www.kotabukitindah.com">www.kotabukitindah.com</a></p>	<p>Located in Karawang province; 65km west of Jakarta.</p> <p>Latitude: -6.447188, Longitude: 107.457292</p>	<p>The industrial city spans 300 ha where both industrial land and factory space are available for rent. The factories have floor space between 1,000 and 7,000 square feet. The estate has 24-hour security, a fire brigade, local transportation and schools. Logistically, there is a general warehouse, handling equipment, a container yard, a customs and excise office, and transportation services. Commercial facilities include restaurants, a Japanese bank, car rental and mini-markets. Residential facilities include two hotels, as well as executive and "middle-class" housing to purchase. There is also a service for the handling of the requisite documents, e.g. expat work permits, etc.</p>	<p>This site has a heavy concentration of Japanese investment. 51 out of 85 companies are Japanese, exceeding even the proportion of Indonesian firms. Indeed one of the two developers of the industrial city is a subsidiary of a Japanese corporation, PT Indotaisei Indah Development. Another firm involved was the architecture company, Sigiura, who designed the facilities.</p>	<p>Name and Address: Taisei Corporation, Shinjuku Center Building, Shinjuku-ku, 160-0006, Japan</p> <p>Telephone: +81 33348 1111</p> <p>Email: Unavailable but there is a contact form: <a href="mailto:fmsgsjp/webapp/hear/10878.39/showEnquete.do?enqueteid=39&amp;clientid=10878&amp;databaseid=k">fmsgsjp/webapp/hear/10878.39/showEnquete.do?enqueteid=39&amp;clientid=10878&amp;databaseid=k</a></p> <p>Website: <a href="http://www.taisei.co.jp">www.taisei.co.jp</a></p>	<p>The industrial city was developed by two Indonesian firms: PT Besland Pertiwi and PT Indotaisei Indah Development, the former concentrate on the rental of the factory buildings while the latter on the rental of industrial land. Kawasan Industri appears to be the holding company of the park. As of January 2012, Phase 1 of the industrial city is near full capacity. There are plans for further expansion in several Phase 2a, 2b and 3. At the completion of the first three phases, land area will span 700 ha. There is a masterplan in place to expand the industrial city to 2,000 ha.</p>	<p>Email: Unavailable but there is a contact form: <a href="mailto:fmsgsjp/webapp/hear/10878.39/showEnquete.do?enqueteid=39&amp;clientid=10878&amp;databaseid=k">fmsgsjp/webapp/hear/10878.39/showEnquete.do?enqueteid=39&amp;clientid=10878&amp;databaseid=k</a></p> <p>Website: <a href="http://www.taisei.co.jp/english/">www.taisei.co.jp/english/</a></p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>
									<p>Name and Address: PT. Indomobil Sukses Internasional Tbk, Wisma Indomobil 1, Jl. MT Haryono Kav. 8, Jakarta 13330, Indonesia</p> <p>Telephone: +62 21 8564850 / 8564860 / 8564870</p> <p>Email: Could not be confirmed from public information.</p> <p>Website: <a href="http://www.indomobil.com/index.php">www.indomobil.com/index.php</a></p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p> <p>Name and Address: Indonesia Investment Coordinating Board (BKPM), Jl. Jend. Gatot Subroto No. 44, Jakarta 12190</p> <p>Telephone: +62 21 5252 008</p> <p>Email: <a href="mailto:info@bkpm.go.id">info@bkpm.go.id</a></p> <p>Website: <a href="http://www4.bkpm.go.id">www4.bkpm.go.id</a></p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>

# Laos

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Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
<b>XL0A01</b>	Boten Beautiful Land SEZ	2003	Name and Address: Could not be confirmed from public information.  Telephone: +856 2022422333 (Mr. Sengdala Phompasueuth)  Fax: Could not be confirmed from public information. Email: xaysoil@yahoo.com  Website: Could not be confirmed from public information.	Boten Beautiful Land is located 795km north of the capital Vientiane in the Loungnamtha District, in the northern province Loungnamtha. It is connected to the road A3, the Kunming-Bangkok Express Way. It is 786km from Wattay International Airport.  Latitude: 21.183333, Longitude: 101.666667	Located on the Lao-Chinese border, Boten was originally established in 2003. The zone covers 1640 Ha. In 2011, the concession agreement was amended and the zone was made casino-free following security concerns. In April 2012 it was announced that the focus of Boten should turn from gambling to commerce and a new agreement was signed with private Chinese developers. Infrastructure development is complete with roads, electricity and water.	There is no Japanese investment in this park.	Name and Address: Yunnan Hai Chang Industrial Group Stock Co. and Hong Kong Fuk Hing Travel Entertainment Group  Contact through the Lao National Committee for Special Economic Zones, Government's Office, Lanexang Rd., Vientiane Capital, Telephone: +856 21254474  Email: Could not be confirmed from public information. Website: www.sncsez.gov.la/index.php/en/	Two companies are investing in the zone. At this stage, the zone focuses on further improving infrastructure to build warehouses and a plant quarantine center. In February 2013, Boten released a statement that a new development master plan is being devised to add more facilities, including duty-free shops, an eco-tourism resort, recreation resorts and hotels. Additional land clearance has begun.	Name and Address: Yunnan Hai Chang Industrial Group Stock Co.  Telephone: Could not be confirmed from public information.  Email: Could not be confirmed from public information. Website: Could not be confirmed from public information. Amount Contributed: USD 425 million Percentage/Ratio of Contribution Compared to Total Capital Contributions: 85% Name and Address: Hong Kong Fuk Hing Travel Entertainment Group Telephone: Could not be confirmed from public information. Email: Could not be confirmed from public information. Website: Could not be confirmed from public information. Amount Contributed: USD 75 million Percentage/Ratio of Contribution Compared to Total Capital Contributions: 15%
<b>XL0A02</b>	Golden Triangle SEZ	2007	Name and Address: Could not be confirmed from public information.  Telephone: +856 2055013892 (Mr. Khamsavang Vlayphong)  Fax: Could not be confirmed from public information. Email: noy_cita@hotmail.com  Website: Could not be confirmed from public information.	The project is situated in Thonsheng village, in the northern Borkeo province, 976km north of the capital Vientiane, 374km from Chiang Mai, Thailand, and 381km from Chiang Mai International Airport, Thailand.  Latitude: 20.283333, Longitude: 100.100000	The area comprises 3000 ha and land tenure 50 years. 20 companies are investing in the zone. Infrastructure is readily available. Roads, electricity and water are already largely in place. Located on the Lao-Thai border in close proximity to China, the Golden Triangle SEZ has been developed through Chinese investment, with unconfirmed investment from Macau. The casino attracts gamblers from neighbouring Thailand and China, where casinos are forbidden. The identities of the investors are largely unknown.	There are no Japanese firms in the 20 firms operating in this park.	Name and Address: King Romans Group (KRG), Chinese name Dokngiewkham  Contact through the Lao National Committee for Special Economic Zones, Government's Office, Lanexang Rd., Vientiane Capital, Telephone: +856 21254474  Email: Could not be confirmed from public information. Website: www.sncsez.gov.la/index.php/en/	The zone is now designing touristic attractions, an expo center as well as a golf course which are expected to be completed in the near future. The first phase of construction is estimated to cost USD 200-300 million. More than 50 projects are projected to be completed by 2020; the total expenses are expected to total USD 2.25 billion. In January 2012, plans by the Chinese developer to build an international airport were approved by the Lao government; the developer is to finance the construction whilst the Lao government allocates the land and will repay construction at a later date.	Name and Address: King Romans Group (KRG), (Chinese name Dokngiewkham)  Telephone: Could not be confirmed from public information.  Email: Could not be confirmed from public information. Website: Could not be confirmed from public information. Amount Contributed: USD 200-300 million Percentage/Ratio of Contribution Compared to Total Capital Contributions: 100%
<b>XL0A03</b>	Phoukhyo SEZ	2010	Name and Address: Phoukhyo Special Economic Zone, Thakhek District, Khammouane Province, Lao P.D.R.  Telephone: +856 51 214129, +856 0 55550319 (Mr. Xaysongkham Vorachit)  Fax: +856 51 212 213  Email: phoukhyo_sez@yahoo.com	Phoukhyo is situated in Thakhek District in central Khammouane province, 337km southeast of the capital Vientiane. It is 5km from Thakhek city, 14km from the Third Lao-Thai Friendship Bridge, 316km from Vung Ang deep sea port in Vietnam, and 350km from Wattay International Airport.  Latitude: 17.433333, Longitude: 104.833333	The total land size is 4850 Ha, and the land tenure is 99 years. 4 companies are currently investing in the zone. Initial road connection with the main road network has been completed, whilst the zone is still at the stage of developing remaining necessary infrastructure. Electricity and water is already available in the phase 1 area. Phoukhyo targets investment in trade, service, industry, and agro-processing.	No publicly available information regarding the level of Japanese investment.	Name and Address: Phoukhyo Zone Executive Council, Thakhek District, Khammouane Province, Lao P.D.R.  Telephone: +856 51 214 129  Email: phoukhyo_sez@yahoo.com  Website: Could not be confirmed from public information.	The development of Phoukhyo is split into two phases. In the currently ongoing phase 1, 1250 ha are to be developed and in phase 2 1600 ha will be developed.	Name and Address: There was no detailed information on capital contributors available, but the Lao government is backing and likely financing the SEZ.
<b>XL0A04</b>	Savan-Seno SEZ	2002	Name and Address: KM10, Savan Park, Nongden Village, Kayson Phomvihane District, Savannakhet Province, Lao PDR  Telephone: +856 41 260 241, +856 20 22223800 (Mr. Thanonglone)  Fax: +856 41 260 242  Email: teecs@msn.com, teecs@savanpark.com, sez@sava.gov.la  Website: www.savanpark.com/, www.seza.gov.la	The park is located 424km southeast of the capital Vientiane, in the southern province of Savannakhet. It is 5km from Savannakhet Airport and 180km from Ubon Ratchathani Airport in Thailand. It is 455km to Danang port in Vietnam and 628km to Hanoi in Vietnam. Site A is next to the 2nd Mekong Bridge, Site B is 28 km east of Kayson Phomvihane City, Site C is 10 km east of Kayson Phomvihane City and Site D is 25 km east of Kayson Phomvihane City.  Latitude: 16.550000, Longitude: 104.783333	Savan-Seno was the first SEZ to be established in Lao PDR. It consists of four sites, designated A, B, C, and D, with a total land size of 954 Ha. The land tenure for the SEZ is 99 years. It targets investment in trade, services and industry.	5 out of 41 companies that have invested in the zone are Japanese. The B-zone, which is under development, directly targets Japanese investment. In March 2013, Nikon started constructing a USD 9 million factory, scheduled to become operational by October 2013. In April 2013, Savan-Seno announced that negotiations are underway with a Japanese investor for a 20% stake of the USD 30 million B-zone project. In the C-zone, 2 out of 34 companies operating in May 2012 were Japanese. In December 2012, a joint venture to build a production plant in the C-zone, to be completed during spring 2013, was announced by Japanese toy manufacturer Bureau Company Ltd (65%), KP Company Ltd (Laos), (30 %), and KP Nissei Mizuki Lao Company Ltd (5%).	The Laos government is the developer of this zone. However, the government has sub-contracted a private Lao Company which will cooperate with a Japanese developer to sub-contract to develop site B, one of the four sites in Savan-Seno SEZ. Site C is also sub-contracted to a private developer.  Name and Address: B-zone: Nam The Road Bridge Construction Co. Ltd. Address: 135 14 Te2Rd Sisavat Vientiane, Laos PDR  Name and Address: C-zone: Pacifica Streams Development Sdn. Bhd., 17 A Jalan Mawar 15, Taman Mawar, Kuala Lumpur, 56100, Malaysia  Telephone: B-zone +856 21 24 14 11 (Namtha Bridge & Road Construction)  Email: Could not be confirmed from public information. Website: Could not be confirmed from public information.	Development of the A-zone, B-zone and D-zone is ongoing. The development of the C-zone, known as Savan Park, is complete. Development by the B-zone under local Nam The Road Bridge Development Co. Ltd. was approved in October 2012. Nam The is subcontracting some of the work on this zone to a Japanese developer; no details about the Japanese firm were publicly available. The government is leading the development of A-zone and D-zone. No details on the status of development at these zones was publicly available.	Name and Address: B zone: Nam The Road Bridge Construction Co. Ltd. Address: 135 14 Te2Rd Sisavat Vientiane, Laos PDR  There was no public information regarding the contributions made by the Laos government to the development of this park.  Telephone: Could not be confirmed from public information.  Email: Could not be confirmed from public information. Website: Could not be confirmed from public information. Amount Contributed: USD 30 million (B-zone) Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information. Name and Address: C-zone: Pacifica Streams Development Sdn. Bhd., 17 A Jalan Mawar 15, Taman Mawar, Kuala Lumpur, 56100, Malaysia

# Laos

Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
									<p>Telephone: Could not be confirmed from public information.</p> <p>Email: Could not be confirmed from public information.</p> <p>Website: Could not be confirmed from public information.</p> <p>Amount Contributed: USD 24 million (C-zone)</p>
<b>XXLA05</b>	VITA Park	2011	<p>Name and Address: Lao Sales Office, Vientiane Industry and Trade Area, KM22 Vientiane Capital Special Economic and Trade Park, Nonthong Village, Saitany District, Lao PDR</p> <p>Telephone: +856 205 666 7262, 205 6410 999, 205 6615 255</p> <p>Fax: Could not be confirmed from public information.</p> <p>Email: vitapark7121@gmail.com</p> <p>Website: www.vitapark.com/la/vita/web/</p>	<p>The park is 22km from the center of Vientiane city and 25km from Wattay International Airport.</p> <p>Latitude: 18.050000, Longitude: 102.700000</p>	<p>VITA park is the first special and economic trade park to be established in the capital of Vientiane. The area to be developed in phase 1 covers 110 Ha, and land tenure is for 75 years. Basic infrastructure, including electricity, water, and waste treatment, is in place. Investment in production, warehousing, transportation, delivery, logistics, wholesale, and industrial estate development is welcomed.</p>	<p>According to estimates in 2012, Japan is the biggest investor in VITA park with total investments at USD 10 billion. This makes VITA park one of the chief targets for Japanese investment in Laos. Out of seven foreign companies that have developed production facilities in VITA park, two are Japanese.</p>	<p>Name and Address: Nam Wei Development Co. Ltd. No. 3-2, 1st Floor, Honchang 1st Street, Taoyuan, Taiwan R.O.C.</p> <p>Telephone: +886 3 2202310</p> <p>Email: lewayls.loosee@gmail.com</p> <p>Website: Could not be confirmed from public information.</p>	<p>Currently the developer is cooperating with the Laos government to improve infrastructure by connecting the zone to the main road network and working to ensure sufficient electricity capacity. In November 2011, construction of the park was estimated to have cost the developers USD 70 million. The first phase of the project covers 110 ha and has been projected to house 147 factories. In November 2011, 60% of phase 1 was estimated to have been completed. Japanese investment stands at USD 10 billion, two Thai companies have invested a total of USD 200 million, and three Chinese companies a total of USD 100 million. Following the conclusion of Phase 1, further expansion projects are planned for 500-2000 Ha. In 2013, the Laotian branch of Chinese Soochow University, the first international university branch campus in Laos, is to move to VITA park.</p>	<p>Name and Address: Nam Wei Development Co. Ltd. No. 3-2, 1st Floor, Honchang 1st Street, Taoyuan, Taiwan R.O.C.</p> <p>VITA park was jointly established by the Laotian government (30%) and private Taiwanese company Nam Wei Development Co. Telephone: +886 3 2202310</p> <p>Email: lewayls.loosee@gmail.com</p> <p>Website: Could not be confirmed from public information.</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>

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Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
XXMY01	Ayer Keroh Industrial Estate	Could not be confirmed from public information. Likely 1990 or before.	Name and Address: Malacca State Development Corporation (Perbadanan Kemajuan Negeri Melaka) Aras 4-11, Menara MITC, Jalan Konvensyen, Kompleks MITC, Ayer Keroh, Melaka, 75450, Malaysia  Telephone: +606 232 4455  Fax: Could not be confirmed from public information.  Email: Unavailable but there is a contact form. <a href="http://www.pknm.com/ve/index.php?option=com_content&amp;view=contact&amp;id=1&amp;Itemid=70">www.pknm.com/ve/index.php?option=com_content&amp;view=contact&amp;id=1&amp;Itemid=70</a>  Website: <a href="http://www.pknm.gov.my">www.pknm.gov.my</a>	Ayer Keroh Industrial Area is located in the state of Malacca, approximately 42km south of Malaysia's capital city, Kuala Lumpur. It is about 21.7km from Tanjung Bruas Port (near Tanjung Keling Free Trade Zone).  Latitude: 2.253333, Longitude 102.295278	Ayer Keroh hosts medium to large sized industries. Industries hosted in the industrial estate includes agro-based and food; basic metal & fabricated metal; electronics & electrical; plastics; paper, printing & packaging; rubber-based and textile industries. Ayer Keroh appears to be relatively small compared to the other industrial estates. There is no publicly available information on the size of the industrial area. However, based on satellite images the land area is approximately 277 acres.	Very limited Japanese investment.	Name and Address: Malacca State Development Corporation (Perbadanan Kemajuan Negeri Melaka) Aras 4-11, Menara MITC, Jalan Konvensyen, Kompleks MITC, Ayer Keroh, Melaka, 75450, Malaysia  Telephone: +606 232 4455  Email: Unavailable but there is a contact form. <a href="http://www.pknm.com/ve/index.php?option=com_content&amp;view=contact&amp;id=1&amp;Itemid=70">www.pknm.com/ve/index.php?option=com_content&amp;view=contact&amp;id=1&amp;Itemid=70</a>  Website: <a href="http://www.pknm.gov.my">www.pknm.gov.my</a>	The park is partially developed, although there is no information on the extent or on future plans for development. There appears to be enough vacant property in the vicinity for possible future expansion.	No publicly available information on capital contributors.
XXMY02	Bangi IV – Bandar Baru Bangi	1974	Name and Address: Kawasan Perindustrian Bangi, 43650 Bandar Baru Bangi, Selangor, Malaysia  Contact through: Malaysian Industrial Estates Sdn Bhd, No. 165, 30th Floor, Jln Ampang - Menara Lion, 50450 Kuala Lumpur, Wilayah Persekutuan  Telephone: +603 216 13773  Fax: Could not be confirmed from public information.  Email: Could not be confirmed from public information.  Website: Could not be confirmed from public information.	The industrial park is situated in the district of Hulu Langat, Selangor, located between Kajang and Putrajaya, 30km south of Kuala Lumpur. It is within close proximity to the Federal Highway linking Seremban to Kuala Lumpur and Port Klang.  Latitude: 2.942868, Longitude: 101.757302	The park is located in Bandar Baru Bangi, a planned city developed since 1974. It is divided into 16 sections, comprising commercial, industrial, and residential areas and education and recreation facilities. Large renowned companies are located in this industrial park, such as Pepsi, Hitachi, Sony, DENSO, etc.	Around 20 Japanese companies have invested in Bandar Baru Bangi.	Name and Address: Selangor State Development Corporation, Tingkat 2 – 9, Menara HPAIC, Laman Seri Business Park No. 7, Persiaran Sukan, Seksyen 13, 40100 Shah Alam, Selangor Darul Ehsan  Telephone: + 603 5520 1234  Email: <a href="mailto:general@pkns.gov.my">general@pkns.gov.my</a>  Website: <a href="http://www.pkns.gov.my">www.pkns.gov.my</a>	Bangi IV was developed by the Selangor State Development Corporation. As it is located in a planned city, this industrial park is surrounded by residential, business, recreational and commercial zones and is equipped with all required utilities infrastructure and facilities. This includes electricity, water management, internal road system and telecommunications. The work to develop this area ended in 2007 with a total area of 450 acres. This park is considered mature and has limited availability, with most spaces taken and only occasional vacancies. No further development is expected in the short-term as it is surrounded by occupied plots of land, commercial, residential, and the Bangi Golf resort, making it highly unlikely to see any further expansions.	Name and Address: Malaysian Industrial Development Finance Berhad (3755-M), Level 19, Menara MIDF, 82, Jalan Raja Chulan, 50200 Kuala Lumpur  Telephone: +603 2173 8888  Email: <a href="mailto:inquiry-feedback@midf.com.my">inquiry-feedback@midf.com.my</a>  Website: <a href="http://www.midf.com.my/">www.midf.com.my/</a>  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
XXMY03	Batu Berendam Free Trade Zone	Between 1974-1983	Name and Address: Malacca State Development Corporation (Perbadanan Kemajuan Negeri Melaka) Aras 4-11, Menara MITC, Jalan Konvensyen, Kompleks MITC, Ayer Keroh, Melaka, 75450, Malaysia  Telephone: +606 232 4455  Fax: +606 232 4434  Email: Unavailable but there is a contact form. <a href="http://www.pknm.com/ve/index.php?option=com_content&amp;view=contact&amp;id=1&amp;Itemid=70">www.pknm.com/ve/index.php?option=com_content&amp;view=contact&amp;id=1&amp;Itemid=70</a>  Website: <a href="http://www.pknm.gov.my">www.pknm.gov.my</a>	Batu Berendam Free Trade Zone is located in the state of Malacca. It is about 45km south of Malaysia's capital, Kuala Lumpur.  Latitude: 2.242778, Longitude: 102.257778	Many of the firms operating in the free trade zone are in the IT, semi-conductor, electronics and high-tech industries. Detailed information on infrastructure and facilities in the zone was not publicly available, but there must be infrastructure in place to support firms in the sectors listed above, given their ongoing operations in the zone.	There are at least 11 Japanese firms that have invested in the industrial area.	Name and Address: Malacca State Development Corporation (Perbadanan Kemajuan Negeri Melaka) Aras 4-11, Menara MITC, Jalan Konvensyen, Kompleks MITC, Ayer Keroh, Melaka, 75450, Malaysia  Telephone: +606 232 4455  Email: <a href="http://www.pknm.com/ve/index.php?option=com_content&amp;view=contact&amp;id=1&amp;Itemid=70">http://www.pknm.com/ve/index.php?option=com_content&amp;view=contact&amp;id=1&amp;Itemid=70</a>  Website: <a href="http://www.pknm.gov.my">www.pknm.gov.my</a>	Batu Berendam Free Trade Zone has been developed in three phases so far. Future development plans are not clear. It does appear that there is space left in the industrial area for further development.	No publicly available information on capital contributors.
XXMY04	Batu Kawan Industrial Park	Between 2008-2010	Name and Address: Penang Development Corporation, Bangunan Tun Dr Lim Chong Eu, No. 1, Persiaran Mahsuri, 11909 Bayan Lepas, Pulau Pinang, Malaysia  Telephone: +604 634 0111  Fax: +604 643 2405  Email: <a href="mailto:enquiry@pdc.gov.my">enquiry@pdc.gov.my</a>  Website: <a href="http://www.pdc.gov.my">www.pdc.gov.my</a>	The 6,717 acre Batu Kawan Industrial Park is located in the state of Penang, approximately 320km north of Malaysia's capital city, Kuala Lumpur. It is about 23km, or about a 20 minutes drive from Penang Port (Butterworth) and about 30km, or a 35 minutes drive from Penang International Airport.  Latitude: 5.251389, Longitude: 100.434722	Batu Kawan Industrial Park focuses on providing specialised services and manufacturing support to areas such as design, development and manufacturing of precision engineering, automation, system integration, software, measurement instruments, customised systems and medical devices. It receives substantial amount of support from the Penang State Government, Penang Development Corporation and investPenang. About 1,500 acres are dedicated to a technology industrial park, and another 150 acres of the park's Small and Medium-scale Industry (SMI) Village is allocated for SMEs.	Japanese investment at this point is limited as the industrial park is relatively new. Boon Siew Honda Sdn Bhd, a joint venture between Japanese-Honda Motor Co.Ltd. and Malaysian-Oriental Holdings Bhd, has been based at a RM200 million plant in Batu Kawan since February 2013.	Name and Address: Penang Development Corporation, Bangunan Tun Dr Lim Chong Eu, No. 1, Persiaran Mahsuri, 11909 Bayan Lepas, Pulau Pinang, Malaysia  Telephone: +604 634 0111  Email: <a href="mailto:enquiry@pdc.gov.my">enquiry@pdc.gov.my</a>  Website: <a href="http://www.pdc.gov.my">www.pdc.gov.my</a>	Phase one of Batu Kawan Industrial Park was expected to be completed in 2012. The park includes infrastructure facilities such as a telecommunications system operated by Telekom Malaysia, electricity provided by Tenaga Nasional Berhad's sanitary sewage system, and a storm drainage system. At least RM196 million has been invested in the industrial park's Small and Medium-scale Industry (SMI) Village. Development of the industrial park is expected to be completed between 2010 and 2020. In September 2013, construction on a new Bridge linking Batu Maung on Penang Island and Batu Kawan on mainland Penang is expected to be completed	Name and Address: Penang Development Corporation, Bangunan Tun Dr Lim Chong Eu, No. 1, Persiaran Mahsuri, 11909 Bayan Lepas, Pulau Pinang, Malaysia  Telephone: +604 634 0111  Email: <a href="mailto:enquiry@pdc.gov.my">enquiry@pdc.gov.my</a>  Website: <a href="http://www.pdc.gov.my">www.pdc.gov.my</a>  Amount Contributed: Could not be confirmed from public information.

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						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
								and opened to the public.	<p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p> <p>Name and Address: Penang State Government, Level 25, Komtar, 10503 Pulau Pinang</p> <p>Telephone: +604 2621957</p> <p>Email: webmaster@penang.gov.my</p> <p>Website: www.penang.gov.my</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p> <p>Name and Address: investPenang</p> <p>Telephone: Could not be confirmed from public information.</p> <p>Email: Could not be confirmed from public information.</p> <p>Website: www.investpenang.gov.my</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>
<b>XXMY05</b>	Bayan Lepas Industrial Estate	1972	<p>Name and Address: Penang Development Corporation, Bangunan Tun Dr Lim Chong Eu, No. 1 Pesiaran Mahsuri, 11909 Bayan Lepas, Pulau Pinang, Malaysia</p> <p>Telephone: +604 634 0111</p> <p>Fax: +604 643 2405</p> <p>Email: enquiry@pdc.gov.my</p> <p>Website: www.pdc.gov.my</p>	<p>Bayan Lepas Industrial Park Phase 4 located in the north of the Penang International Airport. The industrial park is 15.9km from Kompleks Tun Abdul Razak (KOMTAR), the tallest commercial building in Penang, and is approximately 7.2km from the Penang International Airport.</p> <p>Latitude: 5.300878, Longitude: 100.289898</p>	<p>The industrial estate is a high-tech industrial zone located on the southern part of Penang Island. There is no available information on the total land size of the estate. Based on satellite image estimation the total land area is about 1480 acres. The land area of Bayan Lepas Industrial Park 4 is about 600 acres. It is the main labor market in Penang with skilled and semi-skilled workforce drawn locally and from neighboring states. The industrial estate consist of free industrial zones, industrial parks as well as technoplex. Most of the industrial estate is catered for general industries, and a small portion for biotech industry and institutions. In terms of project areas, Bayan Lepas Industrial Park Phase 4 has a total 64 units of ready build factory buildings, 22 in Bayan Lepas Industrial Park Free Industrial Zone and 6 units of 2 storey flat factory in Bayan Lepas Industrial Park Free Industrial Zone Phase 1. All these units of factories are for sales and rent.</p>	<p>There is a relatively high level of Japanese investment in the industrial estate. There are some 19 Japanese firms located in the industrial estate, but the total number of firms is unavailable.</p> <p>The Japanese companies are:</p> <ol style="list-style-type: none"> <li>1. Anika Tackle Corp. Sdn. Bhd.</li> <li>2. Advantest Engineering (M) Sdn. Bhd.</li> <li>3. Asahi G &amp; S Sdn. Bhd.</li> <li>4. Clarion (M) Sdn. Bhd.</li> <li>5. Citrus Sdn. Bhd.</li> <li>6. Crystal Precision (M) Sdn. Bhd.</li> <li>7. Glamorote (Penang) Sdn. Bhd.</li> <li>8. Hitachi Semiconductor (M) Sdn. Bhd.</li> <li>9. Kobe Precision Technology Sdn. Bhd.</li> <li>10. Malaysian Engineering Plastics Sdn. Bhd.</li> <li>11. Meridian Paint Sdn. Bhd.</li> <li>12. Pantley Sdn. Bhd.</li> <li>13. Sanyo Electric (Penang) Sdn. Bhd.</li> <li>14. Shinko-denshi Capacitor (M) Sdn. Bhd.</li> <li>15. Sin Kean Boon-Sarwa (J.V.) Sdn. Bhd.</li> <li>16. Tanaka Electronics (M) Sdn. Bhd.</li> <li>17. TIM Electronics Sdn. Bhd. Towa-M Sdn. Bhd.</li> <li>18. Woodard Textile Mills</li> <li>19. Yan Jin (M) Sdn. Bhd.</li> </ol>	<p>Name and Address: Penang Development Corporation, Bangunan Tun Dr Lim Chong Eu, No. 1 Pesiaran Mahsuri, 11909 Bayan Lepas, Pulau Pinang, Malaysia</p> <p>Telephone: +604 634 0111</p> <p>Email: enquiry@pdc.gov.my</p> <p>Website: www.pdc.gov.my</p>	<p>The industrial estate is a high-tech industrial zone located on the southern part of Penang Island. It is the main labor market in Penang with skilled and semi-skilled workforce drawn locally and from neighboring states. The development of the industrial estate until today has covered 4 phases. Phase 4 is developed in the early 1990's, with establishments built on formerly wetlands, mangrove swamps and reclaimed land.</p>	<p>Name and Address: Penang Development Corporation, Bangunan Tun Dr Lim Chong Eu, No. 1 Pesiaran Mahsuri, 11909 Bayan Lepas, Pulau Pinang, Malaysia</p> <p>Telephone: +604 634 0111</p> <p>Email: enquiry@pdc.gov.my</p> <p>Website: www.pdc.gov.my</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p> <p>Name and Address: Penang State Government, Level 25, Komtar, 10503 Pulau Pinang</p> <p>Telephone: +604 2621957</p> <p>Email: webmaster@penang.gov.my</p> <p>Website: www.penang.gov.my</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p> <p>Name and Address: investPenang</p> <p>Telephone: Could not be confirmed from public information.</p> <p>Email: Could not be confirmed from public information.</p> <p>Website: www.investpenang.gov.my</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>
<b>XXMY06</b>	Bukit Minyak Industrial Park	Could not be confirmed from public information.	<p>Name and Address: Penang Development Corporation, Bangunan Tun Dr Lim Chong Eu, No. 1 Pesiaran Mahsuri, 11909 Bayan Lepas, Pulau Pinang, Malaysia</p> <p>Telephone: +604 634 0111</p> <p>Fax: +604 643 2405</p> <p>Email: enquiry@pdc.gov.my</p> <p>Website: www.pdc.gov.my</p>	<p>The Industrial Park is located in the state of Penang, approximately 334km northwest of Malaysia's capital city, Kuala Lumpur. It is about 26km, or about a 30 minutes drive from Penang Port and about 28km, or a 25 minutes drive from Penang International Airport.</p> <p>Latitude: 5.302416, Longitude: 100.452118</p>	<p>There is no available information on the total land size of the estate. Based on satellite image estimation the total land area is about 1100 acres. The industrial park consists of 85 units ready-built factory units available for sale/rent. As of 2010, 79 out of the 85 units are being occupied, 1 to be offered and 5 are vacant. A large portion of units are designated for general industries and a comparatively high portion of units are catered towards biotech industries.</p>	<p>There are 2 Japanese firms located in the industrial estate. The total number of firms is unavailable.</p> <p>The Japanese companies are:</p> <ol style="list-style-type: none"> <li>1. Lintec Industries (Malaysia) Sdn. Bhd.</li> <li>2. Nippon Metal Services (Malaysia) Sdn. Bhd.</li> </ol>	<p>Name and Address: Penang Development Corporation, Bangunan Tun Dr Lim Chong Eu, No. 1 Pesiaran Mahsuri, 11909 Bayan Lepas, Pulau Pinang, Malaysia</p> <p>Telephone: +604 634 0111</p> <p>Email: enquiry@pdc.gov.my</p> <p>Website: www.pdc.gov.my</p>	<p>In the effort to provide ready built factories for local SMEs with shared service facilities and better infrastructure provision, 4 acres of land has been recently allocated for the construction of SME village. 27 Units of ready-built factory buildings will be constructed for sale to SMEs and is scheduled for completion in November 2013. The area adjacent to Bukit Tengah industrial park is undergoing substantial development. Several other industrial parks have also been set up in the vicinity including Utarisa and Bukit Minyak.</p>	<p>Name and Address: Penang Development Corporation, Bangunan Tun Dr Lim Chong Eu, No. 1 Pesiaran Mahsuri, 11909 Bayan Lepas, Pulau Pinang, Malaysia</p> <p>Telephone: +604 634 0111</p> <p>Email: enquiry@pdc.gov.my</p> <p>Website: www.pdc.gov.my</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p> <p>Name and Address: Penang State Government, Level 25, Komtar, 10503 Pulau Pinang</p> <p>Telephone: +604 2621957</p> <p>Email: webmaster@penang.gov.my</p>

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Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
									<p>Website: <a href="http://www.penang.gov.my">www.penang.gov.my</a></p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p> <p>Name and Address: investPenang</p> <p>Telephone: Could not be confirmed from public information.</p> <p>Email: Could not be confirmed from public information.</p> <p>Website: <a href="http://www.investpenang.gov.my">www.investpenang.gov.my</a></p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>
XXMY07	Bukit Panchor Industrial Park	Could not be confirmed from public information.	<p>Name and Address: Bukit Panchor Industrial Park, Nibong Tebal, Penang, 14300, Malaysia</p> <p>Telephone: Could not be confirmed from public information.</p> <p>Fax: Could not be confirmed from public information.</p> <p>Email: Could not be confirmed from public information.</p> <p>Website: Could not be confirmed from public information.</p>	<p>Located in Nibong Tebal Penang; 5 minutes drive from Nibong Tebal Town; 10 minutes drive from the North-South Expressway (main expressway along Western Coast of Peninsula Malaysia) via Jawi exit.</p> <p>Latitude: 5.171729, Longitude: 100.494382</p>	<p>Little information is available on the industrial park. Freehold factory buildings and industrial land are available for sale in the industrial park. From calculation of area size on google maps, the industrial area is approximately 218 ha.</p>	<p>There are three Japanese firms known to have invested in the park. These are: Skyliners Venture (M) Sdn. Bhd., Tawadashiko (M) Sdn. Bhd. and ETA Padtron (M) Sdn. Bhd.</p>	No publicly available information on developers.	No information is available on further development on Bukit Panchor industrial park. However, general information seems to suggest that this industrial park has been completed and sold.	No publicly available information on capital contributors.
XXMY08	Bukit Raja Industrial Park	2002	<p>Name and Address: Taman Perindustrian Bukit Raja, 41050 Klang, Selangor, Malaysia</p> <p>Contact through: Selangor State Development Corporation, Perbadanan Kemajuan Negeri Selangor, Tingkat 2 – 9, Menara HPAIC, Laman Seri Business Park No. 7, Persiaran Sukan, Seksyen 13, 40100 Shah Alam, Selangor Darul Ehsan</p> <p>Telephone: + 603 5520 1234</p> <p>Fax: +603 5510 2186</p> <p>Email: <a href="mailto:general@pkns.gov.my">general@pkns.gov.my</a></p> <p>Website: <a href="http://www.trinitycorp.com.my">www.trinitycorp.com.my</a></p>	<p>Bukit Raja Industrial Park is an industrial park located in Bandar Bukit Raja, Klang District, next to Shah Alam, about 32km to the west of Kuala Lumpur and 6km east of Port Klang. It is located within the Klang District in the Klang Valley.</p> <p>Latitude: 3.073624, Longitude: 101.46522</p>	<p>The industrial zone is situated in the Klang and Shah Alam locality surrounded by residential, commercial and institutional properties. It can be easily accessed through three major highways i.e. NKVE, Federal Highway and North Klang Straits Bypass, leading to key ports, airports, residential and commercial centres such as Klang, Port Klang, and Shah Alam, Subang Jaya and Kuala Lumpur.</p>	<p>Around 10 Japanese companies have invested in the industrial area. Companies from Japan or with Japanese share operating in the park are: UMW Toyota, Amalgamated Aluminum &amp; Alloys, G.M. Corporation, Sri Takada Industries, Sime Kansai Paints.</p>	<p>Name and Address: Wisma IJM, Jalan Yong Shook Lin, 46050 Petaling Jaya, Selangor Darul Ehsan, Malaysia</p> <p>Telephone: +603 7985 8288</p> <p>Email: <a href="mailto:ijm@ijm.com">ijm@ijm.com</a></p> <p>Website: <a href="http://www.ijm.com">www.ijm.com</a></p>	<p>Bukit Raja spans 1,683 acres and is a self-contained township including commercial, residential, and industrial development by the Selangor State Development Corporation. The residential development has gone through 5 phases of expansion. The industrial land with a total acreage of 177.76 acres is likely to be further developed in the medium-term due to its success and complete infrastructure capabilities, including utilities and transportation connectivity and surrounding land availability. Large renowned companies are located in this industrial park, such as Perodua, Nestlé, Federal Iron Works, Tamco, Stanta Mauser, etc.</p>	<p>Name and Address: Selangor State Development Corporation, Tingkat 2 – 9, Menara HPAIC, Laman Seri Business Park No. 7, Persiaran Sukan, Seksyen 13, 40100 Shah Alam, Selangor Darul Ehsan</p> <p>Telephone: +603 5520 1234</p> <p>Email: <a href="mailto:general@pkns.gov.my">general@pkns.gov.my</a></p> <p>Website: <a href="http://www.pkns.gov.my">www.pkns.gov.my</a></p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>
XXMY09	Bukit Rambai Industrial Estate	Could not be confirmed from public information. Likely to be 1990 or before.	<p>Name and Address: Malacca State Development Corporation (Perbadanan Kemajuan Negeri Melaka) Aras 4-11, Menara MITC, Jalan Konvensyen, Kompleks MITC, Ayer Keroh, Melaka, 75450, Malaysia</p> <p>Telephone: +606 232 4455</p> <p>Fax: Could not be confirmed from public information.</p> <p>Email: Unavailable but there is a contact form. <a href="http://www.pknm.com/ve/index.php?option=com_content&amp;view=contact&amp;id=1&amp;Itemid=70">www.pknm.com/ve/index.php?option=com_content&amp;view=contact&amp;id=1&amp;Itemid=70</a></p> <p>Website: <a href="http://www.pknm.gov.my">www.pknm.gov.my</a></p>	<p>Bukit Rambai Industrial Estate is located in the state of Malacca, approximately 140km from the capital city, Kuala Lumpur. It is located about 11km from Sungai Udang Port.</p> <p>Latitude: 2.2675, Longitude: 102.183056</p>	<p>Bukit Rambai Industrial Estate hosts medium to large-sized industries. The industries include basic metal and fabricated metal, chemical &amp; petroleum; electronics &amp; electricals; furniture &amp; furniture parts; plastics; paper; printing &amp; packing; rubber-based and wood-based manufacturing. There is no publicly available information on the land area. However, based on satellite images the industrial estate is about 650 acres.</p>	<p>Japanese investment in the area is relatively low. There are at least 3 Japanese-owned companies based at Bukit Rambai.</p>	<p>Name and Address: Malacca State Development Corporation (Perbadanan Kemajuan Negeri Melaka) Aras 4-11, Menara MITC, Jalan Konvensyen, Kompleks MITC, Ayer Keroh, Melaka, 75450, Malaysia</p> <p>Telephone: +606 232 4455</p> <p>Email: Unavailable but there is a contact form. <a href="http://www.pknm.com/ve/index.php?option=com_content&amp;view=contact&amp;id=1&amp;Itemid=70">www.pknm.com/ve/index.php?option=com_content&amp;view=contact&amp;id=1&amp;Itemid=70</a></p> <p>Website: <a href="http://www.pknm.gov.my">www.pknm.gov.my</a></p>	<p>There is very little information available on the development of Bukit Rambai Industrial Estate. It does seem to have completed a significant level of development. It is on a priority list of high-value industrial states from a study completed for the Economic Planning Unit of the Prime Minister's Office, and there appears to be vacant land in the area that could be used for further development.</p>	<p>Name and Address: No publicly available information on capital contributors</p>
XXMY10	Bukit Tengah Industrial Park	Could not be confirmed from public information.	<p>Name and Address: Penang Development Corporation, Bangunan Tun Dr Lim Chong Eu, No. 1, Pesiaran Mahsuri, 11909 Bayan Lepas, Pulau Pinang, Malaysia</p> <p>Telephone: +604 634 0111</p> <p>Fax: +604 643 2405</p> <p>Email: <a href="mailto:enquiry@pdc.gov.my">enquiry@pdc.gov.my</a></p> <p>Website: <a href="http://www.pdc.gov.my">www.pdc.gov.my</a></p>	<p>Located near the north south expressway, the Bukit Tengah industrial park is located in para district in Penang state. It will be well connected by road to the town of Butterworth.</p> <p>Latitude: 5.350359, Longitude: 100.430832</p>	<p>Bukit Tengah industrial park houses several high tech companies including Dell Asia Pacific Sdn Bhd. It is also located next to two other major industrial parks namely, Sri Rambai light industrial park and Utaria industrial park. Bukit Tengah highway auto city is also located nearby.</p>	<p>There is a relatively low-level of Japanese investment in the industrial park. The total number of listed firms in the industrial park is not publicly available.</p> <p>The Japanese companies in the industrial park are:</p> <ol style="list-style-type: none"> <li>1. NSG (M) Sdn. Bhd.</li> <li>2. NEC Computers Asia Pacific Sdn. Bhd.</li> </ol>	<p>Name and Address: Penang Development Corporation, Bangunan Tun Dr Lim Chong Eu, No. 1, Pesiaran Mahsuri, 11909 Bayan Lepas, Pulau Pinang, Malaysia</p> <p>Telephone: +604 634 0111</p> <p>Email: <a href="mailto:enquiry@pdc.gov.my">enquiry@pdc.gov.my</a></p> <p>Website: <a href="http://www.pdc.gov.my">www.pdc.gov.my</a></p>	<p>The area adjacent to Bukit Tengah industrial park is undergoing substantial development. Several other industrial parks have also been set up in the vicinity including Utaria and Bukit Minyak.</p>	<p>Name and Address: Penang Development Corporation, Bangunan Tun Dr Lim Chong Eu, No. 1, Pesiaran Mahsuri, 11909 Bayan Lepas, Pulau Pinang, Malaysia</p> <p>Telephone: +604 634 0111</p> <p>Email: <a href="mailto:enquiry@pdc.gov.my">enquiry@pdc.gov.my</a></p> <p>Website: <a href="http://www.pdc.gov.my">www.pdc.gov.my</a></p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p> <p>Name and Address: Penang State Government, Level 25, Komtar, 10503 Pulau Pinang</p> <p>Telephone: +604 2621957</p> <p>Email: <a href="mailto:webmaster@penang.gov.my">webmaster@penang.gov.my</a></p> <p>Website: <a href="http://www.penang.gov.my">www.penang.gov.my</a></p>



# Malaysia

Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
									<p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p> <p>Name and Address: investPenang</p> <p>Telephone: Could not be confirmed from public information.</p> <p>Email: Could not be confirmed from public information.</p> <p>Website: www.investpenang.gov.my</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>
<b>XXMY11</b>	Hicom Glenmarie Industrial Park	1988	<p>Name and Address: Hicom-glenmarie Industrial Park, 40150 Shah Alam, Selangor, Malaysia</p> <p>Telephone: Could not be confirmed from public information.</p> <p>Fax: Could not be confirmed from public information.</p> <p>Email: Could not be confirmed from public information.</p> <p>Website: www.drh-hicom.com/cms/SolutionPages/Business%20Content.aspx?ContentID=2c21f969-3b96-4d61-bb55-a094fe2e48b9</p>	<p>Hicom-Glenmarie is located in between the neighborhoods of Subang Jaya, Shah Alam and Ara Damansara and 25km away from Kuala Lumpur. It is accessible via Federal Highway, New Klang Valley Expressway (NKVE), Guthrie Corridor Highway, Shah Alam Highway (KESAS) and Jalan Lapangan Terbang Subang. It is also within 5 minutes drive to Batu Tiga KTM Komuter Station.</p> <p>Latitude: 3.086523, Longitude: 101.563067</p>	<p>Hicom-Glenmarie's established distinction comes from its connectivity to the entire Klang Valley and the amenities surrounding it, including commercial and business areas. Numerous multinational businesses are established in this park and the average price as of April 2013 is RM348 psf.</p>	<p>Around 5 Japanese companies have invested in the industrial park.</p>	<p>Name and Address: DRB-HICOM, Level 6, Wisma DRB-HICOM, No.2, Jalan Usahawan U1/8, Section U1, 40150, Shah Alam, Selangor</p> <p>Telephone: +603 2052 8000</p> <p>Email: info@drb-hicom.com</p> <p>Website: www.drh-hicom.com</p>	<p>The industrial park is located in Shah Alam, the first planned city in Malaysia and is divided into 56 sections. Most of them are clearly delimited, as they include residential, industrial, commercial, and entertainment and leisure areas. The industrial park, of around 750 acres, has all available services and utilities infrastructure, including water management, electricity, and telecommunications. It has a central connectivity to Malaysia's most important transport networks. The park is surrounded by shopping centres, residential lots, a school, and the Glenmarie Golf and Country Club. Expansions are unlikely due to occupied and developed areas surrounding the industrial plots.</p>	<p>Name and Address: DRB-HICOM, Level 6, Wisma DRB-HICOM, No.2, Jalan Usahawan U1/8, Section U1, 40150, Shah Alam, Selangor</p> <p>Telephone: +603 2052 8000</p> <p>Email: info@drb-hicom.com</p> <p>Website: www.drh-hicom.com</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: 100%</p>
<b>XXMY12</b>	Kamunting Industrial Estate	Could not be confirmed from public information. Likely in the 1990s	<p>Name and Address: Kamunting Industrial Estate, 34600 Kamunting, Taiping, Perak, Malaysia</p> <p>Contract through: Perak State Development Corporation, Wisma Wan Mohamed, Jalan Panglima Bukit Gantang Wahab, 30000 Ipoh, Perak</p> <p>Telephone: +605 5296600</p> <p>Fax: +605 5296604</p> <p>Email: info@pknp-perak.gov.my</p> <p>Website: www.pknpp-perak.gov.my</p>	<p>Kamunting Industrial Estate is located some 6km northwest of Taiping town and 90km north of Ipoh in Perak state.</p> <p>Latitude: 4.899722, Longitude: 100.712778</p>	<p>Latex, medical and rubber product manufacturers are among the firms with a significant presence of those presently operating in the park. Many have made significant investments to set up their manufacturing operations, including Latex Manufacturing (which has some 7 factories in the park, the latest to be complete in 2013), Teleflex Inc. and Everthrough Rubber Products. Several have established laboratories and research facilities in the park. The Perak government has made efforts to attract new sectors to the park, including a ductile iron pipe manufacturer and a magnesium processing firm. The Advanced Technology Training Centre is located nearby, as well as other secondary and tertiary schools, supplying some of the park work force.</p>	<p>There was little information available regarding Japanese investment, which seems to be relatively low. At least two Japanese firms are operating in the park: Sanyo Industries (M) Sdn. Bhd. and Bell Soshino Onkyo (M) Sdn. Bhd.</p>	<p>Name and Address: Perak State Development Corporation, Wisma Wan Mohamed, Jalan Panglima Bukit Gantang Wahab, 30000 Ipoh, Perak</p> <p>Telephone: +605 5296600</p> <p>Email: info@pknp-perak.gov.my</p> <p>Website: www.pknpp-perak.gov.my</p>	<p>Multiple factories, offices and areas of land are listed as being for sale in the park. Land is generally available on 99-year leaseholds and starts from RM 10 per square foot. Overall, however, available space is limited. In 2012, the Perak government and the Northern Corridor Implementation Agency (NCIA) agreed to include the park in the Northern Corridor Economic Region, creating the Greater Kamunting Industrial Zone by expanding the park into neighbouring areas such as Larut, Matang and Selama. This plan was approved by the federal government in February 2013. This larger zone will be created to attract greater foreign and domestic investment in Perak. The NCIA will lead the expansion and development of the park.</p>	<p>No public information was available on capital contributors. However, it is likely that the NCIA will be contributing some funds to the park's expansion.</p>
<b>XXMY13</b>	Kuala Kangsar Industrial Estate	Could not be confirmed from public information.	<p>Name and Address: Perak State Development Corporation, Wisma Wan Mohamed, Jalan Panglima Bukit Gantang Wahab, 30000 Ipoh, Perak Darul Ridzuan, Malaysia</p> <p>Telephone: +605 5296600</p> <p>Fax: +605 5296604</p> <p>Email: info@pknp-perak.gov.my</p> <p>Website: www.pknpp-perak.gov.my</p>	<p>Kuala Kangsar Industrial Estate is located in the Kuala Kangsar district of Perak, Malaysia.</p> <p>Latitude: 4.781368, Longitude: 100.931243</p>	<p>Most of the companies located within the park are in the metal industry.</p>	<p>There are two known Japanese firms that have invested in the estate. These are: Perak Textile Mills Sdn. Bhd. and Teoyo Textile (M) Sdn. Bhd.</p>	<p>Name and Address: Perak State Development Corporation, Wisma Wan Mohamed, Jalan Panglima Bukit Gantang Wahab, 30000 Ipoh, Perak Darul Ridzuan, Malaysia</p> <p>Telephone: +605 5296600</p> <p>Email: info@pknp-perak.gov.my</p> <p>Website: www.pknpp-perak.gov.my</p>	<p>Perak State Development Corporation is in charge of developing industrial land in the State of Perak, including Kuala Kangsar. No detailed information about infrastructure was publicly available, but given that firms are operating in the park basic infrastructure is likely to be in place.</p>	<p>No publicly available information on capital contributors.</p>
<b>XXMY14</b>	Kulim Hi-Tech Park	1996	<p>Name and Address: Kulim Technology Park Corporation Sdn Bhd (534481-D), Suite 3.01-3.02, 3rd Floor, KHTP Business Centre, Kulim Hi-Tech Park, 09000 Kulim, Kedah Darul Aman, Malaysia</p> <p>Telephone: +604 403 2420</p> <p>Fax: +604 403 1973</p> <p>Email: Unavailable but there is a contact form. <a href="http://www.khtp.com.my/about-us/contact-us/13-rental-of-office-space-industrial-land-marketing-department">http://www.khtp.com.my/about-us/contact-us/13-rental-of-office-space-industrial-land-marketing-department</a></p> <p>Website: www.khtp.com.my</p>	<p>The 4,000 acre Kulim Hi-Tech Park is located in Kulim district in the state of Kedah, which is in the northwest of Peninsular Malaysia. The park is located about 385km north of Malaysia's capital, Kuala Lumpur.</p> <p>Latitude: 5.418333, Longitude: 100.584444</p>	<p>Kulim Hi-Tech Park was the first Hi-Tech Park opened in Asia. It focuses on clean, capital-intensive, and high value-added technology-related industries. The primary fields of interest are fields of advanced electronics, mechanical electronics, telecommunications, semiconductors, optoelectronics, biotechnology, advanced materials, research and development and emerging technologies.</p>	<p>There are at least 6 Japanese companies that have invested in Kulim Hi-Tech Park. Most recently, in December 2012, Japanese-owned Panasonic began production at a new solar-module manufacturing facility at the park with 300MW per year and is worth RM1.84 billion.</p>	<p>Name and Address: Kulim Technology Park Corporation Sdn Bhd (534481-D), Suite 3.01-3.02, 3rd Floor, KHTP Business Centre, Kulim Hi-Tech Park, 09000 Kulim, Kedah Darul Aman, Malaysia</p> <p>Telephone: +604 403 2420</p> <p>Email: Unavailable but there is a contact form. <a href="http://www.khtp.com.my/about-us/contact-us/13-rental-of-office-space-industrial-land-marketing-department">http://www.khtp.com.my/about-us/contact-us/13-rental-of-office-space-industrial-land-marketing-department</a></p> <p>Website: www.khtp.com.my</p>	<p>The first two phases of the industrial zone started in 1994. Phase one covered 617 acres and included 31 industrial lots, and phase two covers 559 acres and included 14 industrial lots. The park's infrastructure includes: telecommunications, with Telekom Malaysia providing 60,000 lines to the Park through its fiber optics network while the country's top internet service provider, MIMOS, provides the internet service; clean water supply, provided from 3 reservoirs.</p>	<p>Name and Address: Kulim Technology Park Corporation Sdn Bhd (534481-D), Suite 3.01-3.02, 3rd Floor, KHTP Business Centre, Kulim Hi-Tech Park, 09000 Kulim, Kedah Darul Aman, Malaysia</p> <p>Additional: Kulim Technology Park Corporation Sdn Bhd is a wholly-owned subsidiary of the Kedah State Development Corporation, which is state-backed.</p> <p>Telephone: +604 403 2420</p> <p>Email: Unavailable but there is a contact form. <a href="http://www.khtp.com.my/about-us/contact-us/13-rental-of-office-space-industrial-land-marketing-department">http://www.khtp.com.my/about-us/contact-us/13-rental-of-office-space-industrial-land-marketing-department</a></p> <p>Website: www.khtp.com.my</p> <p>Amount Contributed: Could not be confirmed from public information.</p>

# Malaysia

Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
XXMY15	Lumut Port Industrial Park	1995	Name and Address: Lumut Port Industrial Park, 32000, Sitawan, Perak Darul Ridzuan, Malaysia  Telephone: +605 688 9166 Fax: +605 592 8123 Email: lmt@tm.net.my  Website: www.lumutport.com	Lumut Port Industrial Park is located on the west coast of Peninsular Malaysia in the State of Perak directly off the Straits of Malacca, 235km north from Kuala Lumpur. It lies along the North-South Expressway which facilitates movement from Peninsular Malaysia to the Selangor/Klang Valley/Kuala Lumpur area. The trip can be completed within three hours.  Latitude: 4.251407, Longitude: 100.669785	The industrial park, located in Lumut Port, is able to gain access to the port and maritime services, which facilitate exports. Land is sold, leased or rented with essential infrastructures provided. Price of land depends on the site location and the total area of land purchased.	There is low-level of Japanese investment in the area. There is less than 5 Japanese companies have invested in the industrial area.	Name and Address: Lumut Maritime Terminal Sdn Bhd, Pulau Leka Satu, Jalan Teluk Rubiah, 32040 Sri Manjung, Perak Darul Ridzuan, Malaysia.  Telephone: +603 2052 8000  Email: lmt@tm.net.my  Website: www.lumutport.com	The park has a total area of 1,000 acres, of which 385 acres (389 ha.) are available for industrial use. The land is suitable for all industrial activities including heavy industry use. Housing, educational, and leisure facilities are located within 5 km in nearby cities. The park has its own complete and operational water supply network of potable grade to WHO standards, power supply of up to 45MVA, on location and nearby grid connections, and natural gas and telecom availability. Lumut Port Container Line has a capacity of 80 TEUs or 40 FEUs in two tiers five across eight bays. Lumut Maritime Terminal is designed and equipped to handle dry bulk, liquid bulk, containers, and all conventional cargo. There is no public information regarding expansion plans.	Percentage/Ratio of Contribution Compared to Total Capital Contributions: 100%  Name and Address: Halim Rasio Holdings Sdn Bhd, Unit 2003, 20th Floor, Menara Promet, Jalan Sultan Ismail Kuala Lumpur, 50250 Malaysia.  Telephone: +603 2141 3659  Email: Could not be confirmed from public information.  Website: Could not be confirmed from public information.  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.  Name and Address: Perak State Development Corporation, Wisma Wan Mohamed, Jalan Panglima Bukit Gantang Wahab, 30000 Ipoh, Perak Darul Ridzuan  Telephone: +605 529 6600 Email: info@pknp-perak.gov.my Website: www.pknpp-perak.gov.my Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
XXMY16	Mahkota Industrial Park	2011	Name and Address: Mahkota Industrial Park Kaw. Perindustrian Bandar Mahkota Banting, Banting, Selangor, 42700  Telephone: +603 2143 2289 / +603 2143 2929 Fax: Could not be confirmed from public information. Email: FooSL@pcd.lion.com.my  Website: www.lion.com.my/WebOper/Property/PCD.nsf/BMBanting	The industrial park is located in Banting, Selangor, 35km southwest of Kuala Lumpur and 45km away from Westports. It lies 20km away from the North-South Expressway which facilitates movement from Peninsular Malaysia to the Selangor/Klang Valley/Kuala Lumpur area.  Latitude: 2.834217, Longitude: 101.543756	This recent development features ample land available at relatively low prices. Prices start from RM10 psf onwards. Utilities infrastructure is available, including water management, electricity, communication and transportation. Further construction is underway for new firms moving into the park. The park is centrally located, providing access to major ports, airports, and major cities within 60km.	No publicly available information on relative level of Japanese investment, likely because the park is relatively new.	Name and Address: Che Klang Realty Sdn Bhd (35778-A), No. 22 & 22-01, Jalan Impian 1, Taman Impian, 81300 Skudai, Johor Bahru  Telephone: +607 557 5419  Email: Could not be confirmed from public information. Website: Could not be confirmed from public information.	A total area of 350 acres is catered for industrial development, with 135.28 acres still unoccupied. The proposed West Coast Expressway would lie next to the industrial park, increasing transport connectivity to Northern Malaysia. Utilities infrastructure is available, including telecommunications and transportation, water management, a 1200mm diameter water pipe, and a 132KV TNB energy transmission line. Available plots are located along the Langat River with dual two-lane carriageways for accessibility. Further construction is underway for new firms moving into the park. Existing international tenants include: SGL Carbon from Germany and OCI Group Elpion Silicone from South Korea.	Name and Address: The Lion Group, Level 11 - 15, Office Tower, No. 1 Jalan Nagasari (Off Jalan Raja Chulan), 50200 Kuala Lumpur, Malaysia  Telephone: +603 2142 0155  Email: corpcomm@lion.com.my Website: www.lion.com.my  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: 100%
XXMY17	Mak Mandin Industrial Park	Could not be confirmed from public information.	Name and Address: Penang Development Corporation, Bangunan Tun Dr Lim Chong Eu, No. 1 Pesiaran Mahsuri, 11909 Bayan Lepas, Pulau Pinang, Malaysia  Telephone: +604 634 0111 Fax: +604 643 2405 Email: enquiry@pdc.gov.my Website: www.pdc.gov.my	The Industrial Park is located in the state of Penang, approximately 340km north of Malaysia's capital city, Kuala Lumpur. It is about 26km, or about a 30 minutes drive from Penang Port (Butterworth) and about 27km, or a 25 minutes drive from Penang International Airport.  Latitude: 5.416457, Longitude: 100.392637	There is no available information on the total land size of the industrial park. Based on satellite image estimation the total land area is about 318 acres.	There is a relatively low-level of Japanese investment in the industrial estate. There are 5 Japanese firms located in the industrial estate but the total number of firms is unavailable.  The Japanese companies are: 1. Blood Protection Co. Bhd. 2. CoCo Industry Sdn. Bhd. 3. Fujikura Federal Cables Sdn. Bhd. 4. Maica Laminates Sdn. 5. Maicaor Sdn. Bhd.	Name and Address: Penang Development Corporation, Bangunan Tun Dr Lim Chong Eu, No. 1 Pesiaran Mahsuri, 11909 Bayan Lepas, Pulau Pinang, Malaysia  Telephone: +604 634 0111  Email: enquiry@pdc.gov.my Website: www.pdc.gov.my	No publicly available information on the park's development.	Name and Address: Penang Development Corporation, Bangunan Tun Dr Lim Chong Eu, No. 1 Pesiaran Mahsuri, 11909 Bayan Lepas, Pulau Pinang  Telephone: +604 634 0111  Email: enquiry@pdc.gov.my Website: www.pdc.gov.my  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.  Name and Address: Penang State Government, Level 25, Komtar, 10503 Pulau Pinang  Telephone: +604 2621957 Email: webmaster@penang.gov.my Website: www.penang.gov.my Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.  Name and Address: investPenang Telephone: Could not be confirmed from public information. Email: Could not be confirmed from public information.

# Malaysia

Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
									Website: www.investpenang.gov.my Amount Contributed: Could not be confirmed from public information. Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
XXMY18	Senawang Industrial Park	Could not be confirmed from public information.	Name and Address: Negeri Sembilan Investment Centre (NSIC) 5th Floor, Block B, Wisma Negeri, 70503 Seremban, Negeri Sembilan, Malaysia  Telephone: +606 765 9570/ 5981 Fax: +606 765 5982 Email: ceonic@ns.gov.my/enquiry@nsic.com.my  Website: www.nsic.com.my	New Senawang Industrial Park is located in the state of Negeri Sembilan, about 75.9km south of Malaysia's capital, Kuala Lumpur.  Latitude: 2.686111, Longitude: 101.973889	Little specific information is available. However the state government considers Senawang Industrial Park as one of the main industrial parks in Negeri Sembilan and is likely to have been involved in the park's development. There is no publicly available information on the land area. However, based on satellite images the area of the industrial estate is 52 acres.	Around 15-20 Japanese companies have invested in the industrial area.	Name and Address: Malacca State Development Corporation (Perbadanan Kemajuan Negeri Melaka) Aras 4-11, Menara MITC, Jalan Konvensyen, Kompleks MITC, Ayer Keruh, Melaka, 75450, Malaysia  Telephone: +606 232 4455  Email: Unavailable but there is a contact form. http://www.pkrmm.com/ve/index.php?option=com_contact&view=contact&id=1&Itemid=70  Website: www.pkrmm.gov.my	The industrial area appears fairly well established, with infrastructure to support operations in place. Some land may be available for further development. There is very little specific information available.	No publicly available information on capital contributors, but the state government seems likely to have been heavily involved in its establishment.
XXMY19	Nilai Industrial Estate	Could not be confirmed from public information.	Name and Address: Negeri Sembilan Investment Centre (NSIC) 5th Floor, Block B, Wisma Negeri, 70503 Seremban, Negeri Sembilan, Malaysia  Telephone: +606 765 9570/ 5981 Fax: +606 765 5982 Email: ceonic@ns.gov.my/enquiry@nsic.com.my  Website: www.nsic.com.my	Nilai Industrial Estate is located in the state of Negeri Sembilan, approximately 50km, or a 41 minutes drive from Malaysia's capital city, Kuala Lumpur.  Latitude: 2.819722, Longitude: 101.820633	With other nearby industrial parks, it is part of the 3,500 acre Nilai Industrial Area. The state government considers Nilai Industrial Estate as one of the most important industrial parks of the state. The NSIC, which manages the park, was established to help investors, particularly foreign, to set up new projects or expand existing operations in the state of Negeri Sembilan. There is no publicly available information on the land area. However, based on satellite images the industrial estate is approximately 963 acres.	Around 15 Japanese companies have invested in Nilai Industrial Estate.	No publicly available information on the developer	Nilai Industrial Estate has developed or partially developed two phases so far. A state government website, last updated at an unknown date, indicated that three plots of land, totaling at about 50 acres were available for development.	No publicly available information on the capital contributors, but the state government is likely to have supported the park's development.
XXMY20	Pasir Gudang Industrial Estate	1972	Name and Address: Johor Corporation, Level 2, Persada Johor, Jalan Abdullaah Ibrahim, 8000, Johor Bahru, Johor, Malaysia  Telephone: +607 223 2692/ +607 219 2692 Fax: +607 223 3175 Email: pdjohor@jcorp.com.my Website: www.jcorp.com.my	Pasir Gudang Industrial Estate is located in the state of Johor, about 351km south of Kuala Lumpur.  Latitude: 1.444167, Longitude: 103.908889	The petrochemicals and palm oil industries are what boosted the Pasir Gudang's economy originally. The area's industrial sector includes heavy, medium and small industry with state-of-the-art technology. It is located next to Johor Port, which is 1 out of just about 35 in the world that can handle LME's non-ferrous metals. There is no publicly available information on the land area. However, based on satellite images the estimated area of the industrial estate is 4559 acres.	Pasir Gudang Industrial Estate has significant Japanese investment, with at least 35 companies involved in the industrial area.	Name and Address: Johor Corporation, Level 2, Persada Johor, Jalan Abdullaah Ibrahim, 8000, Johor Bahru, Johor, Malaysia  Telephone: +607 223 2692, +607 219 2692  Email: pdjohor@jcorp.com.my Website: www.jcorp.com.my	The original Pasir Gudang has extended into the Tanjung Langsat Industrial Area in recent years. The two areas recently jointly completed an extension of Pasir Gudang Industrial complex to cater for the petrochemical and chemical industries with the development of Tanjung Langsat Industrial Complex. In mid-2012, plans to expand and modernise the Johor Port over 5 years for about USD 31.7 million were announced.	Name and Address: Johor Corporation, Level 2, Persada Johor, Jalan Abdullaah Ibrahim, 8000, Johor Bahru, Johor, Malaysia  Additional: The state government and the federal government are the primary stakeholders in Johor Corporation (Jcorp). The Johor Corporation has been the most involved firm in the establishment and expansion of the Pasir Gudang Industrial Port. TPM Technopark SDN BHD, which has been behind the expansion of Pasir Gudang industrial complex, is also involved.  Telephone: +607 223 2692, +607 219 2692  Email: pdjohor@jcorp.com.my Website: www.jcorp.com.my  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
XXMY21	Prai Wharf Free Industrial Zone	1973-1974	Penang Development Corporation Bangunan Tun Dr Lim Chong Eui, No. 1 Pesiaran Mahsuri, 11909 Bayan Lepas, Pulau Pinang, Malaysia  Telephone: +604 634 0111 Fax: +604 643 2405 Email: enquiry@pdc.gov.my Website: www.pdc.gov.my	Prai Wharf Free Industrial zone is located in the state of Penang, about 338km or a 3 hours and 25 minutes drive north of Malaysia's capital, Kuala Lumpur. It is approximately 7.8km from the North Butterworth Container Terminal and 21.9km from Penang International Airport.  Latitude: 5.363056, Longitude: 100.394722	Prai Wharf was one of the first Free Industrial Zones in the country. A study carried out for the Economic Planning Unit of the Prime Minister's Department found that Prai Wharf FIZ is a competitive location for rubber products, pharmaceuticals, basic metal, electronics & petrochemicals & polymers. The study shows that Prai Wharf FIZ does not have a competitive edge on M&E, engineering supporting, textiles & apparel, medical devices, wood based and food processing projects. It also noted that Prai Wharf FIZ has a "clear cost advantage" compared to international competitors in terms of the electronics sector.	The industrial area appears to have a relatively higher level of Japanese investment, with at least 25-30 firms in the zone. Japan's Toray Industries Inc., for example has factories in both Prai Wharf Free Industrial Zone and Prai Free Industrial Zone, and has just committed to invest RM1bn in Malaysia.	No publicly available information on developer	The area is one of the first free industrial zones in Malaysia, and has developed in at least four phases. There are plans to invest MYR 224 million to build a modern bulk terminal at the old Prai Wharf, that would be directly connected to the KTMB national train system.	Detailed information on capital contributors was not publicly available. However, the Malaysian government and the Penang State government together established the zone. It may also receive support from the Seberang Prai Municipal Council.

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Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
<b>XXMY22</b>	Pulau Indah Industrial Park, Phase 3A	2003 (for phase 1), available at the end of 2013 (for phase 3A).	Name and Address: Pulau Indah Industrial Park, 42000 Pulau Indah, Selangor, Malaysia  Telephone: +603-3101 2020 Fax: Could not be confirmed from public information.  Email: sales@pulauidah.com.my Website: www.pulauidah.com.my	Pulau Indah is located just off the coast of Selangor beside the Westport of Klang, 55km away from Kuala Lumpur, easily accessible from the Shah Alam Expressway. The construction of the Pulau Indah Ring Road (completion date: 2014) will be connected to the upcoming South Klang Valley Expressway (due by 2015) increasing its accessibility to the Klang Valley.  Latitude: 2.989285, Longitude: 101.352825	Pulau Indah Industrial Park is now expanding into phase 3 of its development. This industrial development (available by the end of 2013, to be completed by the end of year 2014) will feature available plenty of land in an integrated project that will offer international connectivity due to its strategic location next to Westports, one of Malaysia's largest ports. Total current capacity in Pulau Indah is 275/132KV with main distribution substation at 33/11KV and transformer capacity at 11/0.433KV. Total water capacity in Pulau Indah is (MLD) 20MG / 92.0 ML per day. Telecommunications infrastructure provides high-speed connectivity availability. Pulau Indah is ready with a flood retention pond as a runoff basin to minimise the effects of heavy rain and flooding. A waste sewage treatment plant (Vacuum) is in place to make wastewater acceptable for reuse.	No publicly available information on relative level of Japanese investment; this is likely due to the fact that phase 3 is new.	Name and Address: Central Spectrum (M) Sdn Bhd, No.7, Jalan Perigi Nanas 8/6 Indah Point, Pulau Indah, 42920 Port Klang Selangor, Malaysia  Telephone: +603 3101 2020  Email: sales@pulauidah.com.my Website: www.pulauidah.com.my	Phase 3 is open for any industry subject to Department of Environment approval. Phase 1&2, known as Selangor Halah Hub, are focused on the food industry. To this date, basic utilities infrastructure and 177.5 acres have been developed, out of 792.7 acres. Surrounding facilities include commercial, leisure, educational and recreational centres, as well as hospitals. The MLS Logistics Hub at Pulau Indah, is integrated in the park to provide logistics services. Over 30 current providers exist in the park including international companies like: Posco, Desa Chem, Ase-Rails Technologies, Solmax International, and Mewah Oils.	Name and Address: Central Spectrum (M) Sdn Bhd, No.7, Jalan Perigi Nanas 8/6, Indah Point, Pulau Indah, 42920 Port Klang Selangor, Malaysia  Telephone: +603 3101 2020  Email: sales@pulauidah.com.my Website: www.pulauidah.com.my Amount Contributed: MYR 800 million Percentage/Ratio of Contribution Compared to Total Capital Contributions: 100%
<b>XXMY23</b>	Seberang Jaya Industrial Park	Could not be confirmed from public information. Likely to be between 1970s and 1980s.	Name and Address: Penang Development Corporation, Bangunan Tun Dr Lim Chong Eu, No. 1 Persiaran Mahsuri, 11909 Bayan Lepas, Pulau Pinang, Malaysia  Telephone: +604 634 0111 Fax: +604 643 2405  Email: enquiry@pdc.gov.my Website: www.pdc.gov.my	The Industrial Park is located in the state of Penang, approximately 340km northwest of Malaysia's capital city, Kuala Lumpur. It is about 24km, or about a 25 minutes drive from Penang Port and about 25km, or a 25 minutes drive from Penang International Airport.  Latitude: 5.40569, Longitude: 100.392594	Seberang Jaya industrial park is located near the town of Butterworth in Penang. It is not very far from the state capital of Georgetown. Several shopping complexes and retail outlets are also located near this industrial estate.  The Japanese companies are: 1. TRIM Technologies (M) Sdn. Bhd 2. Yupiteru (M) Sdn. Bhd. 3. Kaga Components (Malaysia) Sdn. Bhd.	There is a relatively low level of Japanese investment in the industrial estate. There are 3 Japanese firms located in the industrial estate but the total number of firms is unavailable.	Name and Address: Penang Development Corporation, Bangunan Tun Dr Lim Chong Eu, No. 1 Persiaran Mahsuri, 11909 Bayan Lepas, Pulau Pinang, Malaysia  Telephone: +604 634 0111  Email: enquiry@pdc.gov.my Website: www.pdc.gov.my	Several major initiatives have been undertaken to develop the area adjacent to the Seberang Jaya industrial park. These include, the development of 10,000 residential properties in the nearby town of Bertram in Penang and the establishment of a new satellite town in Batu Kawan and new high tech park at Kulim	Name and Address: Penang Development Corporation, Bangunan Tun Dr Lim Chong Eu, No. 1 Persiaran Mahsuri, 11909 Bayan Lepas, Pulau Pinang, Malaysia  Telephone: +604 634 0111  Email: enquiry@pdc.gov.my Website: www.pdc.gov.my Amount Contributed: Could not be confirmed from public information. Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information. Name and Address: Penang State Government, Level 25, Komtar, 10003 Pulau Pinang Telephone: +604 2821857 Email: webmaster@penang.gov.my Website: www.penang.gov.my Amount Contributed: Could not be confirmed from public information. Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information. Name and Address: investPenang Telephone: Could not be confirmed from public information. Email: Could not be confirmed from public information. Website: www.investpenang.gov.my Amount Contributed: Could not be confirmed from public information. Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
<b>XXMY24</b>	Selangor Science Park 2, Cyberjaya	Available end of 2013	Name and Address: Jalan SP2 Seksyen 2, Selangor Science Park 2, 63300, Cyberjaya, Selangor, Malaysia  Telephone: +603 5520 1234 Fax: +603 5510 2186  Email: general@pkns.gov.my Website: www.ssp2.dotdot.com.my	Selangor Science Park 2 is located adjacent to Cyberjaya in the neighborhood of Klang Valley 2, 35km away from Kuala Lumpur. It is accessible through the Elite Expressway which links to the Kuala Lumpur-Putrajaya Highway, to the KL International Airport (12km away) and the Westport and Northport of Klang (about 30km away).  Latitude: 2.917797, Longitude: 101.612291	This recent high tech industrial development will feature ample available land in an integrated mixed urban project with commercial, residential and recreational & leisure components. It is expected to be Malaysia's first solar powered city.	No publicly available information on relative level of Japanese investment as the park is so new.	Name and Address: Selangor State Development Corporation, Tingkat 2 - 9, Menara HPAIC, Laman Seri Business Park No. 7, Persiaran Sukan, Seksyen 13, 40100 Shah Alam, Selangor Darul Ehsan  Telephone: +603 5520 1234  Email: general@pkns.gov.my Website: www.pkns.gov.my	50 acres of utility infrastructures have been developed till date out of 1300 acres. The park is expected to be completed by the end of year 2013. The park has received at least MYR 6 billion investment from American, European and Japanese firms, although details are undisclosed.	Name and Address: Selangor State Development Corporation, Tingkat 2 - 9, Menara HPAIC, Laman Seri Business Park No. 7, Persiaran Sukan, Seksyen 13, 40100 Shah Alam, Selangor Darul Ehsan  Telephone: +603 5520 1234  Email: general@pkns.gov.my Website: www.pkns.gov.my Amount Contributed: MYR 800 million Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information. Name and Address: Q-Cells Malaysia Sdn Bhd, Selangor Science Park 2, 63300, Cyberjaya, Selangor, Malaysia  Telephone: +603 8315 0000 Email: Could not be confirmed from public information. Website: www.q-cells.com Amount Contributed: MYR 2 billion

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Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						Cells highlighted green indicate a high level of Japanese investment in the industrial park.			
<b>XXMY25</b>	Senai High Tech Park	2010	<p>Name and Address (Headquarters): Senai High Tech Park Sdn Bhd (736491-W), Level 33, Menara TH Perdana, Jalan Sultan Ismail, 50250 Kuala Lumpur, Malaysia</p> <p>Name and Address (Site office): Senai High Tech Park SDN BHD (736491-W), Lot E1, Ground Floor, Senai AeroMall, Sultan Ismail International Airport, 81250 Johor Bahru, Johor Darul Ta'zim, Malaysia</p> <p>Telephone: +603 2692 1700 (corporate HQ), +607 599 6700 (site office)</p> <p>Fax: +603 2691 2700 (corporate HQ), +607 599 6701 (site office)</p> <p>Email: corporate@senaipark.com</p> <p>Website: www.senaipark.com</p>	<p>Senai High Tech Park is located in the state of Johor, about 321km south of Malaysia's capital, Kuala Lumpur. It is just south of Senai International Airport and within an hour's drive of three major ports: Pasir Gudang Port, Port of Tanjung Pelepas and Tanjung Lingsat Port.</p> <p>Latitude: 2.5, Longitude: 112.5</p>	<p>Senai High Tech Park is Malaysia's second high tech park. It is a fully integrated technology park that incorporates industrial facilities, research and development facilities, amenities, educational institutions and recreational facilities. The park's targeted industries are: semiconductor and related activities; alternative energy sources; advanced electronic industries; process control and automation equipment; optical and electro-optical application; optoelectronics; advanced materials; and contract R&amp;D services. The park's management also assists investors in obtaining the necessary approvals and permissions to establish facilities and operations at the park.</p>	<p>No publicly available information on relative level of Japanese investment is known. However, Senai High Tech Park is specifically seeking Japanese investment.</p>	<p>Name and Address: Senai High-Tech Park Sdn Bhd, (736491-W), Level 33, Menara TH Perdana, Jalan Sultan Ismail, 50250 Kuala Lumpur, Malaysia</p> <p>Telephone: +603 2692 1700</p> <p>Email: corporate@senaipark.com</p> <p>Website: www.senaipark.com</p>	<p>Senai High Tech Park is in the beginning stages of development, and the 1,100 acre park will form part of the Senai Airport City. Phase one was expected to be completed by the end of 2011. An MYR 2.8 billion MOU was signed in 2011 with California-based Solvex to set up a facility for production of crystalline silicon solar cells on a 100 acre site in the Iskandar Industrial Zone Phase 1. There are plans to develop three phases.</p>	<p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p> <p>Name and Address: MMC Corporation Bhd, Ground Floor, Wisma Budiman Persiaran Raja Chulan, 50200 Kuala Lumpur, Malaysia</p> <p>MMC Corporation holds a 70% interest in Senai Airport, which wholly owns Senai High-Tech Park Sdn Bhd.</p> <p>Telephone: +603 2071 1000</p> <p>Email: cosec@mmc.com.my</p> <p>Website: www.mmc.com.my</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>
<b>XXMY26</b>	Shah Alam Section 15, 21, 22, 23	1984	<p>Name and Address: Sekayen 15, 22, 23 40150 Shah Alam, Selangor, Malaysia</p> <p>Sekayen 21, 40400 Shah Alam, Selangor, Malaysia</p> <p>Contract through: Selangor State Development Corporation, Tingkat 2 - 9, Menara HPAIC, Laman Seri Business Park No. 7, Persiaran Sukan, Sekayen 13 40100 Shah Alam, Selangor Darul Ehsan</p> <p>Telephone: +603 5520 1234</p> <p>Fax: Could not be confirmed from public information.</p> <p>Email: general@pkns.gov.my</p> <p>Website: www.pkns.gov.my</p>	<p>Shah Alam is located within the Klang District in Klang Valley, about 32km to the west of Kuala Lumpur and 26km east of Port Klang.</p> <p>Latitude: 3.063253, Longitude: 101.527619</p>	<p>Shah Alam, Selangor's state capital, is a modern township surrounded at its periphery by Kuala Lumpur, Petaling Jaya, Klang, and Bangi. It is located halfway between the national capital, Kuala Lumpur, and the viable Port Klang. The city is just 15 minutes from Subang Kuala Lumpur International Airport. The industrial sections of the park are long established. A large number of national and international companies and manufacturers operate in the park. Significant amenities are available, as well as central connectivity to Malaysia's main transport networks.</p>	<p>The industrial area appears to have a relatively higher level of Japanese investment, with at least 30 firms in the zone.</p>	<p>Name and Address: Selangor State Development Corporation, Tingkat 2 - 9, Menara HPAIC, Laman Seri Business Park No. 7, Persiaran Sukan, Sekayen 13, 40100 Shah Alam, Selangor Darul Ehsan</p> <p>Telephone: +603 5520 1234</p> <p>Email: general@pkns.gov.my</p> <p>Website: www.pkns.gov.my</p>	<p>Shah Alam was the first planned city in Malaysia developed by the Selangor State Development Corporation. It is divided into 56 sections, most of them clearly delimited, as they entail residential, industrial, commercial, and entertainment and leisure areas. Sections 15, 21, 22, 23 are industrial areas located in the periphery of the central sections. These sections of around 1300, 470, 90, and 120 acres, respectively, have all available services and utilities infrastructure, including water management, electricity, and telecommunication. These sections are considered mature and have limited availability, with occasional vacancies. Expansions of the industrial park is unlikely due to the developments surrounding the area.</p>	<p>Name and Address: Selangor State Development Corporation, Tingkat 2 - 9, Menara HPAIC, Laman Seri Business Park No. 7, Persiaran Sukan, Sekayen 13, 40100 Shah Alam, Selangor Darul Ehsan</p> <p>Telephone: +603 5520 1234</p> <p>Email: general@pkns.gov.my</p> <p>Website: http://www.pkns.gov.my</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>
<b>XXMY27</b>	Subang Hi-Tech Industrial Park	1988	<p>Name and Address: Subang Hi-Tech Industrial Park, 40000 Subang Jaya, Selangor, Malaysia</p> <p>Contact through: Europlus Corporation Sdn. Bhd. (a subsidiary of Trinity Corporation Berhad), 3rd Floor, Menara Maxisegar, Jalan Pandan Indah 4/2, Kuala Lumpur, 55100, Malaysia</p> <p>Telephone: +604 294 3388</p> <p>Fax: Could not be confirmed from public information.</p> <p>Email: enquiry@trinitycorp.com.my</p> <p>Website: www.trinitycorp.com.my</p>	<p>Subang Hi-Tech Industrial Park is located at the border between Subang Jaya and Shah Alam and 20km away from Kuala Lumpur. It is easily accessible, located minutes away from the KTM Batu Tiga Komuter station, adjacent to the Federal Highway and also the New Klang Valley Expressway (NKVE).</p> <p>Latitude: 3.071095, Longitude: 101.567616</p>	<p>Subang is surrounded at its periphery by Kuala Lumpur, Petaling Jaya, Klang, and Bangi. It enjoys a vantage location being ideally located halfway between the national capital, Kuala Lumpur, and the viable Port Klang. The city is 11 kms away from Subang Kuala Lumpur International Airport. Subang Hi-Tech Industrial Park is popular due to its location in Shah Alam and the amenities that the city provides. Large international companies and manufacturers are based in the park, including F&amp;DE, Lewrd, Maxis, DigCom, Rex Plastics, GlobeChem and many other major telecommunication companies.</p>	<p>Around 10 Japanese companies have invested in the industrial area.</p>	<p>Name and Address: Europlus Corporation Sdn. Bhd. (a subsidiary of Trinity Corporation Berhad), 3rd Floor, Menara Maxisegar, Jalan Pandan Indah 4/2, Kuala Lumpur, 55100 Malaysia</p> <p>Telephone: +604 294 3388</p> <p>Email: enquiry@trinitycorp.com.my</p> <p>Website: www.trinitycorp.com.my</p>	<p>The park is located in Shah Alam, the first planned city in Malaysia developed by the Selangor State Development Corporation PKNS. The park of around 350 acres has all available services and utilities infrastructure, including water management, electricity, and telecommunications. There are no restrictions on the types of industries or manufacturing in the park, although many of its tenants are related to telecommunications or electronics. Due to its maturity, space availability is limited. The park is surrounded by upscale residential areas such as Subang Heights and USJ Heights and two other industrial parks, HiCom Glenmarie and Temasya.</p>	<p>Name and Address: Selangor State Development Corporation, Tingkat 2 - 9, Menara HPAIC, Laman Seri Business Park No. 7, Persiaran Sukan, Sekayen 13, 40100 Shah Alam, Selangor Darul Ehsan</p> <p>Telephone: +603 5520 1234</p> <p>Email: general@pkns.gov.my</p> <p>Website: http://www.pkns.gov.my</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>
<b>XXMY28</b>	Subang Jaya Industrial Estate	1980	<p>Name and Address: Subang Jaya Industrial Estate, 47500 Subang Jaya, Selangor, Malaysia</p> <p>Telephone: Could not be confirmed from public information.</p> <p>Fax: Could not be confirmed from public information.</p> <p>Email: Could not be confirmed from public information.</p> <p>Website: Could not be confirmed from public information.</p>	<p>Subang Jaya is a light industry hub in Klang Valley, Selangor, located some 23km from Kuala Lumpur city center. It is home to several industrial parks, including Subang Jaya Industrial Estate.</p> <p>Latitude: 3.070495, Longitude: 101.597142</p>	<p>The firms operating in the park span a wide range of light and heavy manufacturing sectors from cosmetics to plastic products to metal products to automobile components to electronics. There is no available information on the total land size of the estate. Based on satellite image estimation the total land area is about 96 acres. The land area of Bayan Lepas Industrial Park 4 is about 600 acres</p>	<p>There was no publicly available information on the total number of firms in the park or the relative level of Japanese investment. However, various sources suggested that at least five Japanese firms are operating in the park: Americaya (M) Sdn., Asian Packing Service (M) Sdn. Bhd., JPK (M) Sdn. Bhd., Mekiate Engineering Sdn. Bhd., Shinzuka Industry (M) Sdn. Bhd. and Hitachi Construction Machinery Malaysia sdn. Bhd.</p>	<p>No information on the developer was publicly available.</p>	<p>Several freehold and leasehold properties and factories are listed as being available in the park. Given the range of firms operating in the park, all basic infrastructure will be available. The areas surrounding the park include several residential and commercial developments, with housing, shopping and entertainment facilities. Many foreign and local commercial banks have a presence in the adjacent Taipan triangle area. Moreover, the upcoming construction of a LRT extension line will further improve connectivity.</p>	<p>No information on capital contributors was publicly available.</p>

# Malaysia

Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
<b>XXMY29</b>	Sungai Buloh Industrial Park	Could not be confirmed from public information.	Address: Sungai Buloh Industrial Park, 47000 Sungai Buloh, Selangor  Contact through: Selangor State Development Corporation, Perbadanan Kemajuan Negeri Selangor, Tingkat 2 – 9, Menara HPAIC, Laman Seri Business Park No. 7, Persiaran Sukan, Seksyen 13, 40100 Shah Alam, Selangor Darul Ehsan  Telephone: +603 5520 1234 Fax: +603 5510 2186 Email: general@pkns.gov.my Website: www.pkns.gov.my	The industrial park is located in Sungai Buloh, roughly 20km to the northwest of Kuala Lumpur, with highway connections to the capital. Latitude and longitude information was not publicly available.	The firms in the park cover a range of manufacturing sectors, including household products, rubber and latex products, and machine and automobile parts, with the latter appearing to be quite prominent. Corporate training firms also operate within the park.	There was no public information available on the total number of firms operating in the park or the relative level of Japanese investment. Various sources state that the following Japanese firms operate in the park: Malaysian Sheet Glass Bhd. Oramba (KL) Sdn. Bhd. Y'M Net (M) Sdn. Bhd. Kurza Water (Malaysia) Sdn. Bhd.	No public information on the developer was available.	There was little public information available on this park, including regarding development status. The park is likely to have all basic infrastructure available, given the number of firms operating there. There are multiple properties listed as for sale/rent in the park, but no information about the size of the park or the total unoccupied space was available. It is likely to be a more mature park with limited availability.	No public information on capital contributors was available.
<b>XXMY30</b>	Sungai Way FZ	1965	Name and Address: Sungai Way Free Industrial Zone, Sungai Way, 47300 Petaling Jaya, Selangor, Malaysia  Contact through: Selangor State Development Corporation, Perbadanan Kemajuan Negeri Selangor, Tingkat 2 – 9, Menara HPAIC, Laman Seri Business Park No. 7, Persiaran Sukan, Seksyen 13, 40100 Shah Alam, Selangor Darul Ehsan  Telephone: +603 5520 1234 Fax: Could not be confirmed from public information. Email: general@pkns.gov.my Website: www.pkns.gov.my	Sungai Way is located in Petaling Jaya, about 14km to the west of Kuala Lumpur and 2 km east of Port Klang. It is easily accessible by the Federal Highway and Damansara-Puchong Highway, and public transport as it is situated near train stations like Setia Jaya RapidKL LRT Station, Kelana Jaya RapidKL LRT Station and Seri Setia KTM Komuter Station.  Latitude: 3.086523, Longitude: 101.611433	Sungai Way is a Free Industrial Zone meant for export-oriented companies whose entire production or not less than 80% of their products are meant for export and their raw materials/components are mainly imported. It is located halfway between the national capital, Kuala Lumpur, and Port Klang. It is surrounded by residential and commercial areas as well as educational facilities and various amenities. Large international companies and manufacturers are based in the park, including Omron, Western Digital, Ericsson, Motorola Malaysia, Freescale, KESM, etc.	Around 10 Japanese companies have invested in the industrial area.	Name and Address: Selangor State Development Corporation, Tingkat 2 – 9, Menara HPAIC, Laman Seri Business Park No. 7, Persiaran Sukan, Seksyen 13, 40100 Shah Alam, Selangor Darul Ehsan  Telephone: +603 5520 1234  Email: general@pkns.gov.my Website: www.pkns.gov.my	Sungai Way FTZ was developed in 1965 by the Selangor State Development Corporation to meet increasing industrial demand and the growth of Kuala Lumpur and Petaling Jaya. Besides customs formalities, FTZ's enable export-oriented manufacturing companies to enjoy duty free import of raw materials, component parts, machinery and equipment required directly in the manufacturing process, as well as minimal formalities in exporting their finished products. Sungai Way is a 120 acres freehold industrial zone that comprises large factories and a wide range of manufacturers. Many factories come with 1 to 7 acres of land and are equipped with offices, canteen, warehouses, and parking. The zone has all available services and utilities infrastructure, including water management, electricity, and telecommunication. The park is considered mature and has limited availability, with occasional vacancies. Expansion is unlikely due to occupied and developed areas surrounding the industrial area.	Name and Address: Selangor State Development Corporation, Tingkat 2 – 9, Menara HPAIC, Laman Seri Business Park No. 7, Persiaran Sukan, Seksyen 13, 40100 Shah Alam, Selangor Darul Ehsan  Telephone: +603 5520 1234  Email: general@pkns.gov.my Website: www.pkns.gov.my  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
<b>XXMY31</b>	Tebrau Industrial Estate (Kawasan Perindustrian Tebrau)	Could not be confirmed from public information. Likely to be between 1970s and 1990s.	Name and Address: Johor Corporation, Level 2, Persada Johor, Jalan Abduallah Ibrahim, 8000, Johor Bahru, Johor, Malaysia  Telephone: +607 223 2692, +607 219 2692 Fax: +607 223 3175 Email: pdj@johorjcorp.com.my Website: www.jcorp.com.my	Tebrau Industrial Estate is located in the state of Johor, about 332km south of Malaysia's capital, Kuala Lumpur. It is about 27km south of Senai International Airport and within about a half-hour's drive of three major ports: Pasir Gudang Port, Port of Tanjung Pelepas and Tanjung Lingsat Port.  Latitude: 1.533611, Longitude: 103.775833	There is no publicly available information on the land area. However, based on satellite images the size of the industrial estate is approximately 52 acres. There was no detailed public information on infrastructure in the park. However, all basic infrastructures are likely to be available in the park, given that firms are presently operating there.	Approximately 20 Japanese firms are operating in the industrial area.	No publicly available information on developer.	The industrial estate is well established and has four either developed or partially developed phases. In 2012 the 30.46 acre Tiong Nam Industrial Park at the Tebrau III was being developed. Tiong Nam will feature 48 modern corporate three-storey factories, ranging from 8.733 sq.ft to 52.432 sq.ft.	Name and Address: Tiong Nam Properties Sdn Bhd, Lot 30482, Jalan Kempas Baru, 81200 Johor Bahru, Johor, Malaysia (contributed to Tiong Nam Industrial Park within Tebrau 3)  Telephone: +607 234 1180  Email: info-jb@tiongnamproperties.com Website: www.tiongnamproperties.com  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
<b>XXMY32</b>	Temasya Industrial Park	2000	Name and Address: Kawasan Perindustrian Temasya, 40150 Shah Alam, Selangor, Malaysia  Telephone: +603 7782 0876, +603 5632 7600 Fax: +603 4259 7777 Email: temasya@lenmarie@inp.my Website: www.temasya@lenmarie.my	The industrial park is located 25km west of Kuala Lumpur and within close proximity to Petaling Jaya, Subang Jaya, Shah Alam and Klang. It is easily accessible through major highways such as the Federal Highway, New Klang Valley Expressway (NKVE), New Pantai Expressway (NPE) and Guthrie Corridor Expressway. The park is also located in Saujana, Shah Alam adjacent to Glenmarie Golf and Country Club.  Latitude: 3.087337, Longitude: 101.579075	The industrial park is a recent development, well located and accessible. It is also part of a medium-term development project consisting of residential and commercial areas. Temasya Industrial Park hosts a number of established corporations such as Honda, Perodua, Ricoh, Euromobil, Siama Auto, Gelbag Switchgear, Auto Bavaria, GP Batteries, United Logistics, Citylink, Wah Chan, Pirelli and Porsche Malaysia. Besides factories, there are also two warehouses tenanted by Hyundai and Watsons.	Around 5 Japanese companies have invested in the industrial area.	Name and Address: Temasya Development Co, 49-B, Jalan 6/31, Petaling Garden, 46000 Petaling Jaya, Selangor Darul Ehsan  Telephone: +603 7782 0876, +603 5632 7600  Fax: +603 4259 7777 Email: temasya@lenmarie@inp.my Website: www.temasya@lenmarie.my	Temasya Industrial Park is a recent industrial area located in Saujana, Shah Alam adjacent to Glenmarie Golf and Country Club, and HICOM Glenmarie Industrial Park. This is a development by Temasya Development Co, a subsidiary of Petaling Garden Berhad. The 450 acres development offers ample amounts of available space for industrial activity. Future development will include 70 acres of mixed commercial and residential space to be developed until 2020. The commercial and industrial properties are intended for high value-added activities and businesses generally associated with sales and servicing, logistics and administration centres. It is an established industrial area that has all available services and utilities infrastructure, including water management, electricity, and	Name and Address: I&P Group Sdn Bhd, 24-31 Jalan Setiawangsa 8, Taman Setiawangsa, 54200 Kuala Lumpur  Telephone: +603 4259 7600  Email: marketing@inp.my Website: www.inp.my  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
<b>XXMY33</b>	Tikam Batu Industrial Estate (Kawasan Perindustrian Tikam Batu)	1973	Name and Address: Kedah State Development Corporation, Level 14, Wisma PKNK, Jalan Sultan Badlishah, PO Box 140, Alor Setar, Kedah Darul Ama, 05 710, Malaysia  Telephone: +604 775 2455 Fax: +604 731 2957 Email: Could not be confirmed from public information. Website: www.pknk.gov.my	Tikam Batu Industrial Estate is located in the state of Kedah, about 364km north of Kuala Lumpur. The industrial estate is about 28km from North Butterworth Container Terminal and 48.5km from Penang International Airport.  Latitude: 5.577718, Longitude: 100.439722	Tikam Batu Industrial Estate is relatively small compared to the other industrial areas. It has 23 plants in operation, according to state government statistics. There was no detailed public information on infrastructure in the park. However, all basic infrastructures are likely to be available in the park, given that firms are presently operating there.	Four Japanese firms have invested in the industrial area out of 23 firms.	Name and Address: Kedah State Development Corporation, Level 14, Wisma PKNK, Jalan Sultan Badlishah, PO Box 140, Alor Setar, Kedah Darul Ama, 05 710, Malaysia  Telephone: +604 775 2455  Email: Could not be confirmed from public information. Website: www.pknk.gov.my	There may not currently be land available for further development at Tikam Batu, but real estate listings indicate that there are frequently factories for rent in the industrial area.	Name and Address: Kedah State Development Corporation, Level 14, Wisma PKNK, Jalan Sultan Badlishah, PO Box 140, Alor Setar, Kedah Darul Ama, 05 710, Malaysia  Telephone: +604 775 2455  Email: Could not be confirmed from public information. Website: www.pknk.gov.my

# Malaysia

Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						Cells highlighted green indicate a high level of Japanese investment in the industrial park.			
XXMY34	UMW Land	2011	<p>Name and Address: UMW Industrial Area, Section BS 11, Industrial Area Bandar Bukit Sentosa, Rawang, Selangor</p> <p>Telephone: +603 5163 5125</p> <p>Fax: Could not be confirmed from public information.</p> <p>Email: mohd.anuar@umw.com.my</p> <p>Website: www.umw.com.my</p>	<p>UMW Land is located in Bukit Sentosa, Selangor, 35 km north of Kuala Lumpur and 80km away from Port Klang. It lies 10 minutes away from the Serendah Railway Station and the North-South Expressway. The expressway facilitates movement between Peninsular Malaysia and Selangor/Klang Valley/Kuala Lumpur area.</p> <p>Latitude: 3.376554, Longitude: 101.581993</p>	<p>This recent development features plenty of land availability for industrial use / mixed development. The industrial park is located next to Perodua's manufacturing plant, the second largest automobile manufacturer in Malaysia. The industrial area is also surrounded by commercial centres and residential areas.</p>	<p>No publicly available information on relative level of Japanese investment, as the park is new.</p>	<p>Name and Address: UMW Corporation Sdn Bhd, No. 10, Jalan Utas (15/7), P.O.Box 7052, 40915 Shah Alam, Selangor Darul Ehsan, Malaysia</p> <p>Telephone: +603 5163 5000</p> <p>Email: group.pa@umw.com.my</p> <p>Website: www.umw.com.my</p>	<p>A total area of 1,000 acres of land is available for industrial development with prices from MYR 10 psf. There are utility infrastructures available in the area and construction of new firms moving into the park is underway.</p>	<p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p> <p>Name and Address: Permodalan Negeri Selangor Berhad, Tingkat 25 Wisma MBSA, Persiaran Perbandaran 40000, Shah Alam Selangor</p> <p>Telephone: +603 5510 7105 / 7233 / 7234</p> <p>Email: admin@pnsb.com.my</p> <p>Website: www.pnsb.com.my</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p> <p>Name and Address: UMW Corporation Sdn Bhd, No. 10, Jalan Utas (15/7), P.O.Box 7052, 40915 Shah Alam, Selangor Darul Ehsan, Malaysia</p> <p>Telephone: +603 5163 5000</p> <p>Email: group.pa@umw.com.my</p> <p>Website: www.umw.com.my</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>
XXMY35	Zurah Industrial Park	1996	<p>Name and Address: Zurah Industrial Park, 44200 Rasa, Hulu Selangor, Selangor</p> <p>Telephone: +603 3101 2020</p> <p>Fax: Could not be confirmed from public information.</p> <p>Email: enquiry@pknsbiz.com</p> <p>Website: www.pknsproperty.com/ZurahIndustrialPark</p>	<p>The industrial park is located in Rasa, Selangor, 53km away from Kuala Lumpur, and 20km away from the North-South Expressway. The expressway provides accessibility to the Klang Valley. The industrial park is 1km away from the KTM Rasa Komuter station.</p> <p>Latitude: 3.506838, Longitude: 101.62581</p>	<p>This industrial development features plenty of infrastructure—ready land in a project that entails residential and commercial areas, and surrounding amenities. Available infrastructure includes:</p> <ul style="list-style-type: none"> <li>- IT infrastructure (including internet &amp; telephone services)</li> <li>- Onsite electrical substation</li> <li>- Waste treatment plant</li> <li>- R&amp;D facilities (e.g. National Centre for Machinery and Tooling Technology (NCMTT))</li> <li>- Technical support and training services for machinery, foundry and tooling</li> <li>- Support facilities such as hospital, police station and fire &amp; rescue</li> </ul>	<p>As of May 2013 there are no Japanese companies established in the park.</p>	<p>Name and Address: Selangor State Development Corporation, Tingkat 2 – 9, Menara HPALC, Laman Seri Business Park No. 7, Persiaran Sukan, Seksyen 13, 40100 Shah Alam, Selangor Darul Ehsan</p> <p>Telephone: +603 5520 1234</p> <p>Email: general@pkns.gov.my</p> <p>Website: www.pkns.gov.my</p>	<p>50% of the 593 acres are occupied to date. The park features 137.24 acres of industrial lots with prices ranging from MYR 4.30 to MYR 6.50 psf. The only international firm in the park is Australia's Jord and the rest are local ones such as Bridge Fields Resources, Tech Outlook, and JBD Manufacturing, etc.</p>	<p>Name and Address: Selangor State Development Corporation, Tingkat 2 – 9, Menara HPALC, Laman Seri Business Park No. 7, Persiaran Sukan, Seksyen 13, 40100 Shah Alam, Selangor Darul Ehsan</p> <p>Telephone: +603 5520 1234</p> <p>Email: general@pkns.gov.my</p> <p>Website: www.pkns.gov.my</p> <p>Amount Contributed: MYR 800 million</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: 100%</p>

# Myanmar

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Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						Cells highlighted green indicate a high level of Japanese investment in the industrial park.			
XXMM01	Bago Industrial Zone (Intagaw)	Could not be confirmed from public information.	Name and Address: Bago Industrial Zone (Intagaw), No. 1 Bago-Mandalay Highway, Industrial Zone, Bago  Telephone: +95 5 221229  Fax: Could not be confirmed from public information.  Email: Could not be confirmed from public information.  Website: Could not be confirmed from public information.	Bago Industrial Zone is located on the outskirts of Bago City, roughly 70km north of Myanmar's commercial capital, Yangon.  Latitude: 17.4828417, Longitude: 96.4513639	While Bago is located away from the rivers and ports that are the main conduits of trade and shipping in Myanmar, it is located near the site of Hanthawaddy International Airport, which is set to displace Yangon Airport as the country's main international gateway in 2016. As is the case with all industrial zones in Myanmar aside from Mingaladon, facilities and infrastructure are scarce. As is the case with all of Myanmar's industrial zones, reliable access to electricity is an issue, and so is road infrastructure, drainage and the provision of security.	There is a relatively high-level of Japanese investment in the estate. There is one Japanese company currently produces surgical equipment in Bago. A Japanese garment manufacturer is apparently going to break ground on a new factory in the near future.	Name and Address: Department of Human Settlement and Housing Development (DHSHD), Office No-11,Naypyitaw,Myanmar. No-228-234 Bogyoke Aung San Street, Yangon, Myanmar Telephone: +95 6 7407073  Email: DHSHDM.O.C@mptmail.net.mm  Website: Could not be confirmed from public information.	Currently available space and plans for future expansion could not be ascertained. A site adjacent to the existing zone is planned for development by Loi Hein Group, a local consumer-goods manufacturer, with an alleged initial investment of USD 100 million.	No publicly available information on capital contributors
XXMM02	Dagon Seikkan Industrial Zone	2000	Name and Address: 97 Phan Chat Wun U Shwe Oh St., Corner of Kanna St., Industrial Zone, Dagon Seikkan Township, Yangon  Telephone: +95 095 006298 (Chairman: U Aye Lwin), +95 095 503090 (Secretary: U Than Zaw Htwe), +95 6 7407073 (Ministry of Industry) +95 1 592051/+95 1 592189 (Office)  Fax: Could not be confirmed from public information.  Email: Could not be confirmed from public information.  Website: Could not be confirmed from public information.	Dagon Seikkan Industrial Zone is located in Dagon Seikkan Township, Yangon. It is situated along the Bago River roughly 15km northwest of downtown Yangon.  Latitude: 16.8336222, Longitude: 96.2814528	At 1208.695 acres, Dagon Seikkan is Yangon's second-largest industrial zone by area. Its location offers easy road access to the Port of Yangon. A bridge currently in construction will make the deep-water port at Thilawa, which is also currently under construction, easily accessible in the futur. Infrastructure level is moderate by Myanmar standards, but is not up to international standards.	There is no known Japanese development at present.	Name and Address: Department of Human Settlement and Housing Development (DHSHD) , Office No-11,Naypyitaw,Myanmar. No-228-234 Bogyoke Aung San Street, Yangon, Myanmar Telephone: +95 6 7407073  Email: DHSHDM.O.C@mptmail.net.mm  Website: Could not be confirmed from public information.	No publicly available information on development.	No publicly available information on capital contributors
XXMM03	Hlaing Thar Yar Industrial Zone	1995	Name and Address: 1/A.Kanaung Min Thar Gyi Street, Hlaing Tharyar Tsp, Yangon  Telephone: +95 1 681167/ 684768/ 685501/ 685502/ 685503  Fax: Could not be confirmed through public information.  Email: Could not be confirmed through public information.  Website: Could not be confirmed through public information.	9 miles northwest of the former capital Yangon, Hlaing Thar Yar Industrial Zone exists near Hlaing (Hline) River to the east, Yangon-Pathein Highway to the north and Panhlaing River to the west.  Latitude: 16.884297, Longitude: 96.083786	The industrial park is the second largest industrial zone in Yangon with 986,540 acres. There are conflicting report on the amount of space available in the park. Rental fees are USD 5 per meter square per month. The facilities include 10MW/11KVA substations for electricity, generators during power blackouts and tube wells for water supply. As of 2011, 511 companies are operating in the zone.	In 2001, two factories in Hlaing Thar Yar industrial zone were inspected for quality control under the arrangement of the Japanese government. Other than that, there is almost no information about Japanese investment in this zone.	Name and Address: Department of Human Settlement and Housing Development (DHSHD) 11,Naypyitaw,Myanmar, No-228-234 Bogyoke Aung San Street, Yangon, Myanmar  Telephone: +95 67 407206, +95 1 245560  Email: DHSHDM.O.C@mptmail.net.mm  Website: Could not be confirmed from public information.	The industrial park was developed by DHSHD on joint venture basis with a Thai enterprise in 1995. A total of around USD 800 million is estimated to be invested in the zone for different factory projects.	Name and Address: Department of Human Settlement and Housing Development (DHSHD), 11, Naypyitaw, Myanmar No-228-234 Bogyoke Aung San Street, Yangon, Myanmar  No information on the Thai firm that acted as DHSHD's joint venture partner was publicly available, though the firm would have been a capital contributor.  Telephone: +95 67 407206 +95 1 245560  Email: DHSHDM.O.C@mptmail.net.mm  Website: Could not be confirmed from public information.  Amount Contributed: Could not be confirmed through public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed through public information.
XXMM04	Mingaladon Industrial Park	1998	Name and Address: Corner of No. 3 Highway Road & Khayebin Road, Mingaladon Township, Yangon  Telephone: +95 1 639001/ 639006 Fac: +95 1 639017 Email: mipclgyn@mptmail.net.mm Website: www.mingaladon.com	23km away from the heart of Yangon, Mingaladon Industrial Park is located near Yangon International Airport. It is also near to the Port of Yangon (24 km away) and Thilawa Container Terminal (50km away).  Latitude:16.942077, Longitude: 96.156764	Implementation and development of the industrial park is conducted by Department of Human Settlement & Housing Development (DHSHD) and the Kepventure Pte Ltd., Singapore while the Tokyo Enterprise Co., Ltd is in charge of project management. The park provides the required information for investors to obtain business permits in Myanmar. For the first 3 years of commercial production, firms located within the estate enjoy income tax, duties, taxes and raw materials exemption.	There are several Japanese firms operating in the park, including Ajinomoto. However, there is no publicly available list of park tenants.  Department of Human Settlement & Housing Development (DHSHD) and Mitsui & Co., Ltd jointly developed the industrial park. Mitsui Co invested 60% of shares while DHSHD contributed 40%. Currently, Mitsui Co holds 88.8%.	Name and Address: Department of Human Settlement and Housing Development (DHSHD), Office No-11,Naypyitaw,Myanmar. No-228-234 Bogyoke Aung San Street, Yangon, Myanmar  Telephone: +95 67 407206, +95 1 245560  Email: DHSHDM.O.C@mptmail.net.mm  Website: Could not be confirmed from public information.	The park was developed on joint venture basis with Mitsui Co. by DHSHD in 1998. Currently, Kepventure Pte Ltd., Singapore also holds about 10% shares and it is managed by Tokyo Enterprise Co. Ltd. Amenities located within the industrial park include water supply, which total 5,000 m3 per day from 15 deep wells, waste water treatment plant with treatment capacity of 5,000 m3 per day, 300 IDD Phone & Fax Lines for telecommunication services and 24-hour security service. In terms of roadwork, the concrete roads are 8m wide for main roads and 7m wide for secondary roads.	Name and Address: Department of Human Settlement and Housing Development (DHSHD), Office No-11,Naypyitaw,Myanmar. No-228-234 Bogyoke Aung San Street, Yangon, Myanmar  Additional: The industrial area is jointly invested by DHSHD and Mitsui Co., Japan.  Telephone: +95 67 407206/+95 1 245560  Email: DHSHDM.O.C@mptmail.net.mm  Website: Could not be confirmed from public information.  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: 40%  Name and Address: Mitsui Corporation No.18/1, Inya Road , Kamayut Township , Yangon, Myanmar  Telephone: +95 1 538918/ 2304450/ 2304451/ 2304452/ 2304453



# Myanmar

Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
									Email: Could not be confirmed from public information. Website: <a href="http://www.mitsui.com/jp">http://www.mitsui.com/jp</a> Amount Contributed: Could not be confirmed from public information. Percentage/Ratio of Contribution Compared to Total Capital Contributions: 60%
<b>XCMM06</b>	Mandalay Industrial Park 1 and 2	1990 (Zone 1) 1997 (Zone 2)	Name and Address: Ind. Zone, Pyi Gyi Tagun Tsp, Mandalay  Telephone: +95 2 36928/ 36931  Fax: Could not be confirmed through public information.  Email: Could not be confirmed through public information.  Website: Could not be confirmed through public information.	On the eastern side of Yangon-Mandalay Road known as Yar Taw, Mandalay Industrial Zone is located in the Pyi Gyi Ta Kon Township.  Latitude: 20.962622, Longitude: 95.957916	Under the same management committee, Mandalay Industry Zone is divided into zone 1 and zone 2 for administration purposes. As Mandalay produces 60% of country's textiles, Mandalay Industrial Zone is comprised mostly of garment manufacturers and other SMEs, such as automobile repair workshops. With total of 1,249.33 acres of land area, Mandalay Industry Zone hosts 1,109 enterprises, which is largest number among all industry zones in the country.	No publicly available information on relative level of Japanese investment.	Name and Address: Department of Human Settlement and Housing Development (DHSHD), Office No-11, Naypyitaw, Myanmar. No-228-234 Bogyoke Aung San Street, Yangon, Myanmar Telephone: +95 67 407206, +95 1 245560  Email: DHSHDM.O.C@mptmail.net.mm  Website: Could not be confirmed from public information.	In 2003, investment in Mandalay industry zone hit USD 2.25 million. Mandalay Industrial Development Co. Ltd. manages for expansion and maintenance of the zones. No other investment information is publicly available.	Name and Address: Department of Human Settlement and Housing Development (DHSHD), 11, Naypyitaw, Myanmar. No-228-234 Bogyoke Aung San Street, Yangon, Myanmar Telephone: +95 67 407206, +95-1-245560  Email: DHSHDM.O.C@mptmail.net.mm  Website: Could not be confirmed from public information.  Amount Contributed: Could not be confirmed through public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed through public information.
<b>XCMM06</b>	Shwe Pyi Thar Industrial Zone 2, 3 and 4	1990	Name and Address: Kanaung Minthar Gyi St, Shwe Pyi Thar Township, Yangon  Telephone: +95 1 618157, +95 095 028288/01610485 (Chairman: U Sai Myo Win), +95 095 159888 (Secretary: U Hla Myint Swe )  Fax: Could not be confirmed from public information.  Email: Could not be confirmed from public information.  Website: Could not be confirmed from public information.	There are five industrial areas in Shwe Pyi Thar Township, which is located northwest of the industrial cluster around Mingaladon Airport. The industrial areas are not far from the western edge of Hlawga National Park, along the road to Pyay.  Latitude: 16.9897, Longitude: 96.0862527	The management structure of the five industrial zones in Shwe Pyi Thar is subdivided into three different management committees, one of which is responsible for zones 2, 3, and 4. According to FORVAL data, this cluster is the most developed and is the best managed. The combined area of the three zones is roughly 1000 acres, making it among the largest of Yangon's industrial zones. Proximity to the established industrial cluster around the airport makes it a good candidate for upgrading.	There is no known Japanese investment in Shwe Pyi Thar.	Name and Address: Department of Human Settlement and Housing Development (DHSHD), Office No-11, Naypyitaw, Myanmar. No-228-234 Bogyoke Aung San Street, Yangon, Myanmar Telephone: +95 67407073  Email: DHSHDM.O.C@mptmail.net.mm  Website: Could not be confirmed from public information.	No publicly available information on development information.	No publicly available information on capital contributors
<b>XCMM07</b>	Shwe Than Lwin Industrial Zone	2012	Name and Address: 1949-1950 Yangon-Pathen highway Road, Hlaing Thar Yar Township, Yangon  Telephone: +95 1 684511 +95 1 200313/ 200310/ 09502534 (Thet Naing, Chief Engineer)  Fax: +95 1 299123/200312  Email: thetNaing1959@gmail.com, stlbth@gmail.com  Website: Could not be confirmed from public information.	Shwe Than Lwin is located in Yangon's Hlaing Thar Yar township, immediately west of Hlaing Thar Yar industrial zone. It is roughly 10-15km from downtown Yangon.  Latitude: 16.8879472, Longitude: 96.013725	This industrial zone is a rare private development, whereas most industrial zones in Myanmar were developed by the Ministry of Construction in the 1990s and early 2000s. According to FORVAL, infrastructure is of a higher standard than what is available in the adjacent Hlaing Thar Yar industrial zone. Land tenure issues remain problematic: the land for the 800 acre site was seized by the military in 1993, and displaced villagers have been calling for currently unused land to be returned to them.	There is no known Japanese development at present.	Name and address: Shwe Than Lwin Trading Co., Ltd, No. 262, Yazardiyit Housing Compound, Lower Panzundaung Road, Yangon, Myanmar  Telephone: +95 1 200313/ 200310/09502534 Fax: +95 1 299123/200312  Email: thetNaing1959@gmail.com, stlbth@gmail.com  Website: Could not be confirmed from public information.  Name and address: Wah Wah Win Construction Co (development partner) No.107/108, Anawrahta Road, Latha Township, Yangon, Myanmar  Telephone: +95 1 250650 Fax: +95 1 1250753  Email: wahwahwincompany@gmail.com Website: Could not be confirmed from public information.	Infrastructure is apparently in place (electricity, improved roads, drainage systems). Only a few factories are apparently operational right now. Land tenure issues and high prices due to speculation may be impeding the pace of development.	No publicly available information on capital contributors
<b>XCMM08</b>	Thaketa Industrial Zone	1999	Name and address: 296/A, Mya Marlar St., Industrial Ward, Thaketa Township, Yangon	Thaketa Industrial Zone is located in Thaketa Township, on the east bank of Pazundaung Creek opposite Bohtataung Township and downtown Yangon. It is the closest industrial zone to downtown Yangon.	At 200 acres and befitting its geographic location, it is on the smaller side of industrial zones in the Yangon area. Management structure is allegedly opaque and inaccessible, and speculation has contributed to high	There is no known Japanese development at present.	Name and Address: Department of Human Settlement and Housing Development (DHSHD), Office No-11, Naypyitaw, Myanmar. No-228-234 Bogyoke Aung San Street, Yangon, Myanmar	No publicly available information on development information	No publicly available information on capital contributors

# Myanmar

Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
			<p>Telephone: +95 1 547 397 (Office), +95 95 014 277/ 700 470 (Chairman: Dr. Aung Thein), +95 95 000 697/ 547 225 (Secretary: U Aung Naing Oo)</p> <p>Fax: Could not be confirmed from public information.</p> <p>Email: Could not be confirmed from public information.</p> <p>Website: Could not be confirmed from public information.</p>	Latitude: 16.8064889, Longitude: 96.1923722	property values. Moderate infrastructure levels, although still well below international standards.		<p>Telephone: +95 67407073</p> <p>Email: DHSMDM.O.C@mptmail.net.mm</p> <p>Website: Could not be confirmed from public information.</p>		
<b>XXMM00</b>	Thilawa Special Economic Zone	2015	<p>Name and Address: Thanlyin, Yangon (Adjacent to Thilawa Port)</p> <p>Telephone: Could not be confirmed through public information.</p> <p>Fax: Could not be confirmed through public information.</p> <p>Email: Could not be confirmed through public information</p> <p>Website: Could not be confirmed through public information</p>	<p>25km South of the former capital Yangon, Thilawa SEZ will be adjacent to currently operating Thilawa Port at Thanlyin-Kyauktan.</p> <p>Latitude: 16.769042, Longitude: 96.242294</p>	<p>Announced in 2012, the SEZ is expected to be completed by 2015. Registration in the SEZ is to be quick due to the establishment of a one-stop service center (registration times are 3 hours for a company and 15 days for an investor), Thilawa SEZ is divided into 2 zones, the "free" zone and the "promotion" zone. The "free" zone is mainly for export/import companies. The "promotion" zone, equipped with several amenities, is designed for local market distribution. Being one of the first three SEZs to be developed in Myanmar, Thilawa SEZ will cover 450 ha of land and potentially create 230,000 job opportunities through the entire project.</p>	<p>No investors are presently active in the SEZ, but substantial Japanese involvement means the site is likely to attract many Japanese firms. 49% of investment in the SEZ is from Japan (through the Japan External Trade Organization). Japan may also provide a soft loan to the Myanmar government with 0.01% interest rate for 40 years to support infrastructure construction in Thilawa SEZ.</p>	<p>Name and Address: Union of Myanmar Federation of Chambers of Commerce and Industry (UMFCCI), No.29, Min Ye Kyawswa Road, Lanmadaw Township, Yangon, Myanmar</p> <p>Telephone: +95 1 214344/ 214345/ 214346/ 214347/ 214348/ 214349</p> <p>Email: umcci@mptmail.net.mm</p> <p>Website: www.umfcci.com.mm</p>	<p>The zone is expected to be completed by 2015 with contributions from UMFCCI (51%) and Japan External Trade Organisation (49%). The Japanese government is expected to invest USD 12.6 billion in coming years.</p>	<p>Name and Address: UMFCCI (with other smaller shareholders from various sectors under the umbrella of UMFCCI), No.29, Min Ye Kyawswa Road, Lanmadaw Township, Yangon, Myanmar</p> <p>Telephone: +95 1 214344/ 214345/ 214346/ 214347/ 214348/ 214349</p> <p>Email: umcci@mptmail.net.mm</p> <p>Website: www.umfcci.com.mm</p> <p>Amount Contributed: Could not be confirmed through public information</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: 51%</p>
									<p>Name and Address: Mitsubishi Corporation #1902, 19th Floor, Sakura Tower 339, Bogyoke Aung San Road, Kyauktada Township, Yangon, Republic of the Union of Myanmar</p> <p>Telephone: +95 1 255803 / 255804</p> <p>Email: Could not be confirmed through public information.</p> <p>Website: www.mitsubishicorp.com</p> <p>Amount Contributed: Could not be confirmed through public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Part of 49% (the 49% Japanese investment was jointly contributed by 3 firms: Mitsubishi, Sumitomo and Marubeni)</p>
									<p>Name and Address: Marubeni Corporation Yangon Branch Room No. #602-606, Hiedan Center, Corner of Pyay Road &amp; Hledan Road, Kamaryut Township, Yangon, Myanmar</p> <p>Telephone: +95 67 414177/85/86/88</p> <p>Email: Could not be confirmed through public information</p> <p>Website: www.marubeni.com</p> <p>Amount Contributed: Could not be confirmed through public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Part of 49%</p>
									<p>Name and Address: Sumitomo Corporation 1-8-11 Harumi, Chuo-ku, Tokyo, 104-8610 Japan</p> <p>Telephone: Could not be confirmed through public information</p> <p>Email: through website</p> <p>Website: www.sumitomocorp.co.jp</p> <p>Amount Contributed: Could not be confirmed through public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Part of 49%</p>

# Myanmar

Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
XMM10	Yangon Industrial Park	2000	<p>Name and Address: 1, Khayay Ave., No. (3) Main Rd., Mingalardon Tsp. Yangon</p> <p>Telephone: +95 1 639303/ 639304</p> <p>Fax: Could not be confirmed from public information.</p> <p>Email: zaykabar.cold@mptmail.net.mm</p> <p>Website: Could not be confirmed from public information.</p>	<p>Yangon Industrial Park is located in Mingalardon township near to Mingalardon industrial park. It is near Yangon International Airport. It is also near to the Port of Yangon (25km away) and Thilawa Container Terminal (50km away).</p> <p>Latitude: 16.932491, Longitude: 96.154833</p>	<p>Established on 989.6 acres of land, Yangon Industrial Zone has sufficient water supply with tube wells, electricity generated by a 11KVVA substations and a 100KVA transformer. Garment, wood-base and foodstuff are the main manufacturing industries in the zone.</p>	<p>No publicly available information on relative level of Japanese investment.</p>	<p>Name and Address: Department of Human Settlement and Housing Development (DHSHD), Office No-11, Naypyitaw, Myanmar. No-228-234 Bogyoke Aung San Street, Yangon, Myanmar</p> <p>Telephone: +95 67 407206, +95 1 245560</p> <p>Email: DHSHDM.O.C@mptmail.net.mm</p> <p>Website: Could not be confirmed from public information.</p>	<p>The industrial area was jointly established by DHSHD and Zaykabar, a local enterprise.</p>	<p>Name and Address: Department of Human Settlement and Housing Development (DHSHD), Office No-11, Naypyitaw, Myanmar. No-228-234 Bogyoke Aung San Street, Yangon, Myanmar</p> <p>Telephone: +95 67 407206/+95 1 245560</p> <p>Email: DHSHDM.O.C@mptmail.net.mm</p> <p>Website: Could not be confirmed from public information.</p> <p>Amount Contributed: Could not be confirmed through public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed through public information.</p> <hr/> <p>Name and Address: Zaykabar Company Limited, No. 3, Highway Rd., Mingalardon Tsp., Yangon, Myanmar</p> <p>Telephone: +95 63930307</p> <p>Email: zar'kabar.cold@mptmail.net.mm</p> <p>Website: Could not be confirmed through public information.</p> <p>Amount Contributed: Could not be confirmed through public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed through public information.</p>

# Philippines

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Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
<b>XXPH01</b>	Baguio Economic Zone	1987	Name and Address: Loakan Road, Baguio City, Benguet, Philippines  Telephone: +63 6374 447 3931  Fax: +63 74 447 3330  Email: Could not be confirmed from public information.  Website: Could not be confirmed from public information.	Baguio City Economic Zone is located in the city of Baguio, a highly urbanized city located in the province of Benguet in northern Luzon island of the Philippines some 250 km (155 miles) from the capital of Manila.  Latitude: 16.381667, Longitude: 120.617222	Baguio City Economic Zone is a 119 ha special purpose development zone located in the city of Baguio in the Cordilleras. The manufacturing activities at the Zone, mostly coming from Texas Instruments, drives Cordillera's economy. Indeed, the industry sector has dominated the regional economy since its creation in 1987. Tenants are engaged in the following industries: textiles, apparel, electronics, semiconductors, plastic and paper products, eco-friendly machinery, wooden home decors, and burn-in board repairs.	Four (or 13.44%) of the 30 companies located in the zone are Japanese-owned.	Name and Address: Philippine Economic Zone Authority (PEZA), PEZA Building Roxas Boulevard corner San Luis Street Pasay City, Metro Manila Telephone: +63 0 632 551 3436; +63 0 632 551 3438  Email: info@peza.gov.ph  Website: www.peza.gov.ph	There are only a few available spaces in various parts of the Norwagien Collection Building ranging from 188 to 200 sqm each. There are no known plans to expand the zone.	Name and Address: Philippine Economic Zone Authority (PEZA), PEZA Building Roxas Boulevard corner San Luis Street Pasay City, Metro Manila Telephone: +63 632 551 3436; +63 632 551 3438  Email: info@peza.gov.ph  Website: www.peza.gov.ph  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
<b>XXPH02</b>	Calamba Premiere International Park (CPIP)	1999	Name and Address: Barangay Batino, Calamba City, Laguna Province  Telephone: Could not be confirmed from public information.  Fax: Could not be confirmed from public information.  Email: Could not be confirmed from public information.  Website: Could not be confirmed from public information.	CPIP encompasses Barangays Batino, Parian and Barandal in the City of Calamba in the Province of Laguna, the regional growth center of the five-province region of CALABARZON. The city is situated 54 km south of Manila.  Latitude: 14.197222, Longitude: 121.131944	CPIP occupies 65.63 ha of land in Laguna Province's Calamba City and is one of the pioneer industrial parks in the Philippines. It is a comprehensively-planned industrial estate and provides a workplace for technology-based, light and medium industries.	Nine (or 10.11%) of the 89 companies housed in CPIP are Japanese-owned.	Name and Address: Starworld Corporation, Solid House Building, Makati, Metro Manila  Telephone: +63 632 8140812 Fax: Could not be confirmed from public information  Email: Could not be confirmed from public information.  Website: www.solidgroup.com.ph	CPIP was developed in two phases. Phase I involved the development of 42.52 ha of industrial park, 4.74 ha of commercial area and 4.05 ha of residential area. Phase II was completed in 2000 and encompasses 17 ha of land solely for industrial purposes. Starworld reportedly invested PHP 500 million for the development of the Phase II site, which can accommodate around 13 companies.	Name and Address: Starworld Corporation, Solid House Building, Makati, Metro Manila Telephone: +63 632 8140812  Email: Could not be confirmed from public information.  Website: www.solidgroup.com.ph  Amount Contributed: PHP 500 million for development of Phase II  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
<b>XXPH03</b>	Carmelray Industrial Park I (CIP I)	1990	Name and Address: Canlubang, Calamba City, Laguna Province, Philippines  Contact Person: Virgilio G. Lorenzo  Telephone: +63 49 549 3077 (Virgilio G. Lorenzo)  Fax: +63 49 888 5399 Email: VLorenzo@carmelray.com Website: www.carmelray.com	CIP I is located in Canlubang in the City of Calamba, Laguna Province some 45 km south of the Philippine capital of Manila and is accessible through the 4-lane South Luzon Expressway that connects Metro Manila with CALABARZON. It is located 50 km from the Ninoy Aquino International Airport (NAIA) in Manila, 54kms from Manila North Harbor, 50 km from Manila South Harbor, 57 km from the Manila International Container Port, and 70 km from Batangas Port.  Latitude: 14.210278; Longitude: 121.089167	CIP I is a 270 ha fully integrated industrial estate of international standards located in Laguna, which is central to CALABARZON, the five-province priority area of the government's industrial development program. Aside from the industrial complexes, CIP I also houses the administrative and support service centers, commercial districts, a park, and the 41 ha Special Export Processing Zone, where investors enjoy simplified import/export documentation and several tax incentives. It has been given an A-1 rating by the PEZA and has received the highest locator satisfaction rating.	Nineteen (or 47.50%) of the 40 companies housed in CIP I are Japanese-owned.	Name and Address: Carmelray Industrial Corp; 7th Floor, Rufino Plaza, 6784 Ayala Avenue, Makati City, Philippines  Contact person: Michael Carbonel  Tel: +63 632 810 6306 (Makati office), +63 6349 549 3077 (Canlubang office)  Email: fsz@carmelray.com Website: www.carmelray.com	CIP I was developed in two stages. Phase I and 2 cover 95 and 135 ha, respectively. A number of spaces are available for rent in each phase.	Name and Address: No public information on capital contributors available.
<b>XXPH04</b>	Carmelray Industrial Park II (CIP II)	1997	Name and Address: Brgays Tulo and Punta, Calamba City, Laguna Province, Philippines  Contact Person: Peddy Palomar  Telephone: +63 49 545 9372 to 77 Fax: +63 843 0055  Email: pipalomar@carmelray2.com Website: www.carmelray.com	CIP II encompasses Barangays Tulo and Punta in the City of Calamba, Laguna Province some 45 km south of the Philippine capital of Manila and is accessible through the 4-lane South Luzon Expressway that connects Metro Manila with CALABARZON. It is located 50 km from the Ninoy Aquino International Airport (NAIA) in Manila, 54 km from Manila North Harbor, 50 km from Manila South Harbor, 57 km from the Manila International Container Port, and 70 km from Batangas Port.  Latitude: 14.175, Longitude: 121.126944	CIP II is a 90 ha fully integrated industrial park, home to several major players in the semiconductor/electronic industry. This premier Industrial Park has garnered consistent A-1 rating from no less than the PEZA for several years. It has constant supply of power and high-quality potable water sourced from four deep wells subjected to micro-filtration, ultraviolet (UV) and ozonation process. It employs a sludge system designed to meet/exceed DENR standards and provides state of the art facilities with unlimited data capabilities. Several major banks operate inside the park. It is close to several residential communities and golf courses as well as recreational clubs, all within short driving distance.	Sixteen (or 17.78%) of the 90 companies housed in CIP II are Japanese-owned.	Name and Address: Carmelray Industrial Corp; 7th Floor, Rufino Plaza, 6784 Ayala Avenue, Makati City, Metro Manila, PH  Contact Person: Mr. Palomar of Estate Mgmt.  Tel: +63 632 810 6306 (Makati Office), +63 6349 545 9377 (Calamba office)  Email: fsz@carmelray.com Website: www.carmelray.com	Ascendas ground floor is open for occupancy, a 2,800 sq.m warehouse up for rent and a 2 ha air-conditioned facility is available for rent/sale. There is no public information on expansion plans.	Name and Address: Carmelray Industrial Corp 7th Floor, Rufino Plaza, 6784 Ayala Avenue, Makati City, Philippines  Contact Person: Mr. Palomar of Estate Mgmt.  Additional: Carmelray Industrial Corp. is the majority shareholder. The other active partners are the Ascendas Group of Singapore. The park was masterplanned by Jurong Town Corporation of Singapore, the group responsible for over 80% of industrial development in Singapore.  Tel: +63 632 810 6306 (Makati Office), +63 6349 545 9377 (Calamba office)  Email: fsz@carmelray.com Website: www.carmelray.com  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
									Name and Address: Ascendas Group 61 Science Park Road, #04-01 The Galen Singapore Science Park II, Singapore 117525  Telephone: +65 6774 1033 Email: ascendas@ascendas.com Website: www.ascendas.com  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.

# Philippines

Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
<b>XXPH05</b>	Cavite Economic Zone (CEZ), formerly the Cavite Export Processing Zone (CEPZ)	1980	Name and Address: Rosario, Cavite, Philippines Contact Person: Engr. Cecilia Z. Veleña Telephone: +63 6346 437 6090 Fax: Could not be confirmed from public information. Email: Could not be confirmed from public information. Website: Could not be confirmed from public information.	The CEZ encompasses the towns of Rosario and General Trias in the province of Cavite, one of the 5 provinces comprising the regional growth center of CALABARZON (Cavite-Laguna-Batangas-Rizal-Quezon). It is located 30km south of the Philippine capital of Manila.  Latitude: 14.411944, Longitude: 121.870277	This fully developed 275 ha economic zone lies on a flat terrain of lands with well-paved roads, water and sewer lines, power lines and access to communication facilities and sewerage treatment plant – aeration type.	Out of the 382 companies housed in the park, 114 (or 29.84%) are Japanese.	Name and Address: Philippine Economic Zone Authority, PEZA Building Roxas Boulevard corner San Luis Street Pasay City, Metro Manila, Philippines  Tel: +63 632 551 3436, +63 632 551 3438  Email: info@peza.gov.ph  Website: www.peza.gov.ph	The Cavite Export Processing Zone was created by virtue of Presidential Proclamations in 1980. It later evolved into the Cavite Economic Zone when the Special Economic Zone Act was signed in 1995. The Cavite Export Processing Zone (CEPZ) then came to be called the Cavite Economic Zone (CEZ). The Zone was developed in five phases. Several spaces are available for occupancy. In the last few years, development has been ongoing on the Gen. Trias side of the Zone, which has now become the Cavite Export Processing Zone II.	Name and Address: No public information on capital contributors available.
<b>XXPH06</b>	Cebu Information Technology Park or CITP (formerly Asiatown IT Park)	2000	Name and Address: Districts of Lahug and Apas, Cebu City, Philippines Contact Person: Raul Mananquil Telephone: +63 6332 231 5301, +63 63 9173270615 (Raul Mananquil) Fax: +63 6332 231 5300 Email: Could not be confirmed from public information. Website: www.cebuitpark.com	CITP is situated at a primary section of the northern district of Cebu City in the Visayas Region. CITP's roads connect to major arteries that lead to the Mactan International Airport (20 minutes by car) and the Cebu International Port (10 minutes by car).  Latitude: 10.317778, Longitude: 123.905	CITP is a 24 ha IT economic zone. It is the first PEZA accredited special zone in the Visayas-Mindanao region and thus holds about 76% of Cebu's BPO industry. Cebu IT Park has green spaces, wastewater treatment facilities and recycling facilities. The park has fully secured area perimeter, uniformed security guards 24x7, and police support from the City (Mabolo station).	Five (or 38.46%) of the 13 companies housed in CITP are Japanese-owned.	Name and Address: Cebu Property Ventures and Development Corporation (CPVDC), 7/F Cebu Holdings Center, Cardinal Rosales Avenue, Cebu Business Park, Cebu City 6000, Philippines Contact Person: Raul Mananquil Tel: +63 6332 231 5301 or +63 63 9173270615 Fax: +63 6332 231 5300  Email: Could not be confirmed from public information. Website: www.cebuitpark.com	Cebu IT Park is the flagship project of Cebu Property Ventures and Development Corporation (CPVDC), subsidiary of Cebu Holdings. The park was recognized on April 6, 2000 by the Philippine Economic Zone Authority Board as an Information Technology park, and was granted Special Economic Zone Status by virtue of Presidential Proclamation No. 12 on February 27, 2001. In May 2012, AYALA Land Inc. (ALI) and affiliate Cebu Property Ventures Development Corp. (CPVDC) announced they have earmarked PHP 4 billion for the development of the five-tower Avida Towers condominium at the Cebu IT Park spread in the next four to five years. The first tower was completed in 2010 and very recently in Feb 2013, the second tower was finished.	Name and Address: No public information on capital contributors available.
<b>XXPH07</b>	Cebu Light Industrial Park (CLIP)	Exact year unavailable, likely after 2000.	Name and Address: Washington Rd. Basak, Lapu-Lapu City, Mactan Island, Cebu Province, Philippines Telephone: +63 6332 340 7367, +63 6332 340 7356 to 59 Fax: +63 32 340 7350 Email: Could not be confirmed from public information. Website: Could not be confirmed from public information.	CLIP is located in Mactan island in Cebu Province, one of the country's fastest growing regions. The Park is only 6 km from the Mactan International Airport and 15 km from Cebu Seaport, Mactan.  Latitude: 10.326389, Longitude: 123.965833	CLIP is a 62 ha industrial estate equipped with a water desalination plant, the largest in the Philippines, and a water recycling system, to ensure adequacy of water supply. It has adequate power and telecommunications supply and a sewerage system. It is provided round the clock security with concrete industrial zone perimeter fence.	Six (or 17.14%) of the 35 companies housed in Baguio Econ Zone are Japanese-owned.	Name and Address: Science Park of the Philippines Inc (SPPPI), M. Patalinghug Avenue, Basak, Lapu-Lapu City, Mactan Island, Cebu  Telephone: +63 32 340 7367 Fax: +63 32 340 7350  Email: Could not be confirmed from public information. Website: www.sciencepark.com.ph	CLIP is the fourth industrial park that the SPPPI, the major stockholder and General Manager of CLIP, is developing. Available space for leasing is down to 8 ha. The developers are seeking more space for expansion in lands contiguous to the existing zone or in other areas to accommodate more investors.	Name and Address: Science Park of the Philippines, Inc, M. Patalinghug Avenue, Basak, Lapu-Lapu City, Mactan Island, Cebu  Telephone: +63 32 340 7367  Email: Could not be confirmed from public information. Website: www.sciencepark.com.ph  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
<b>XXPH08</b>	Clark Freeport Zone (CFZ), formerly the Clark Special Economic Zone (CSEZ)	1993	Name and Address: Clark Development Corporation, Business Development and Business Enhancement Group, Bldg 2127, E. Quirino St., Clark Freeport Zone, Angeles City, Pampanga, Philippines  Telephone: +63 6345 5999000 local 302 Fax: +63 6345 5999000 local 303 Email: MarizaMandocdoc@clark.com.ph Website: www.clark.com.ph, www.clarksubmarketing.com	The CFZ nestles against the northwest side of Angeles City in the province of Pampanga, and is about 60 km (40 miles) northwest of the Philippine capital of Manila.  Latitude: 15.183333, Longitude: 120.55	The CFZ is a redevelopment of the Clark Air Base, a former US Air Force base in the Philippines. Almost as big as Singapore, the master plan for the 4,400 ha main zone and 27,600 ha sub zone aims to transform the zone into an airport-driven urban center for meeting the requirements of high-end IT enabled industries, aviation and logistics-related enterprises, tourism and other sectors. The park offers access to Clark's 2,500 ha modern aviation complex, modern telecoms facilities, power and water supply, waste management, vast road network and other infrastructures. Incentives include waiver of local and national taxes, provision for 100% foreign equity in most industries and duty free status.	No information on the level of Japanese investment was publicly available.	Name and Address: Clark Development Corporation (CDC), Business Development and Business Enhancement Group, Bldg 2127, E. Quirino St., Clark Freeport Zone, Angeles City, Pampanga, Philippines  Tel: +63 6345 599 9000, local 302 Fax: +63 6345 599 9000, local 303  Email: marizamandocdoc@clark.com.ph Website: www.clark.com.ph, www.clarksubmarketing.com	According to its master plan, the CFZ main zone comprised of 4,400 ha and a sub-zone of 27,600 ha will be promoted as a hub for the Asian operations of various medium-sized and large companies. As of February 2013, there are a total of 30 available leaseable lands.	Name and Address: Clark Development Corporation (CDC), Business Development and Business Enhancement Group, Bldg 2127, E. Quirino St., Clark Freeport Zone, Angeles City, Pampanga, Philippines  The CDC is a subsidiary of the Bases Conversion and Development Authority (BCDA) which administers the country's freports and economic zones. The large portion of capital investment for the Clark Zone is shouldered by the CDC, and additional funding comes from the BCDA and the Department of Budget Management (DBM). From 2008-2012, more than PHP 1.1 billion was invested in the zone (PHP 897 million from CDC and PHP 295 million from DBM). Telephone: +63 6345 599 9000, local 302  Email: MarizaMandocdoc@clark.com.ph Website: www.clark.com.ph Amount Contributed: (2008-2012) PHP 887 million  Percentage/Ratio of Contribution Compared to Total Capital Contributions: 76%
									Name and Address: Bases Conversion Development Authority (BCDA), 2nd Floor, Bonifacio Technology Center, 31st St., corner 2nd Avenue, Bonifacio Global City, Taguig, Metro Manila 1634  Telephone: +63 632 575 1700, +63 632 816 6666 Email: bcda@bcda.gov.ph Website: www.bcda.gov.ph Amount Contributed: (2008-2012) PHP 295 million

# Philippines

Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
<b>XXPH09</b>	Cocochem Agro-Industrial Park	1997	Name and Address: CAIP-SEZ Barangay Anahay Bauan, Batangas, 4201 Bauan, Batangas  Telephone: +63 43 727 1511, local 141  Fax: Could not be confirmed from public information.  Email: rriminoza@peza.gov.ph  Website: www.cocochem.ph	Cocochem Agro-Industrial Park is located in Bauan, Batangas, approximately 120 km away from Manila. The Lipa International Cargo Airport is 25 km away.  Latitude: 13.7891858, Longitude: 121.0078704	Cocochem Agro-Industrial Park is one of a few parks in the country to produce fatty alcohols via the fatty acid route using the German-based Lurgi-designed process. Major processes include: fat splitting, fatty acid distillation, fractionation and saponification, fatty alcohol hydrogenation, distillation and fractionation, and glycerine evaporation, distillation and bleaching. The park offers deductions for incremental labor and training expenses.	There are five firms currently operating in this zone, out of which one is Japanese-owned.	Name and Address: Cocochem Agro-Industrial Park, Inc.  Telephone: +63 2 7271 511  Email: Could not be confirmed from public information.  Website: www.cocochem.ph	The park covers 42 ha of land. It has separate building for the firms operating in the park, as well as power and water facilities. The park is well-suited for tenants who are involved in manufacturing oleochemical and coconut/palm oil-based products. There is a fire protection unit and sports/recreation facilities are available.	Percentage/Ratio of Contribution Compared to Total Capital Contributions: 24%  Name and Address: Cocochem Agro-Industrial Park, Inc.  Telephone: +63 2 727 1511  Email: Could not be confirmed from public information.  Website: www.cocochem.ph  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.  Name and Address: Philippine Economic Zone Authority, PEZA Building Roxas Boulevard corner San Luis Street Pasay City, Metro Manila Telephone: +63 2 551 3436, +63 2 551 3438  Email: info@peza.gov.ph Website: www.peza.gov.ph  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
<b>XXPH10</b>	Daiichi Industrial Park SEZ	1997	Name and Address: Daiichi Industrial Park Special Economic Zone, Maguayam Road, Silang, Cavite  Telephone: +63 46 430 2923 (Office of the Zone Manager)  Fax: +63 2 636 1000  Email: info@dpdiph.com  Website: www.daiichi.com.ph/dai-indudev.htm	Daiichi Industrial Park is a 55 ha development located in the city of Silang in Cavite province (Region IV), 52 km south of Metro Manila. It is 56 minutes away by road from the capital.  Latitude: 14.2666667, Longitude: 121.005	Daiichi Industrial Park is situated in Silang, Cavite. In turn, this city is in Region IV or "CALABARZON" (Cavite, Laguna, Batangas, Rizal, and Quezon), Cavite, Laguna and Batangas in particular have been longstanding sites for Japanese industrial investment. Daiichi has another industrial park in nearby Carmona, Cavite—Mountview Industrial Park—but it has not been designated as an SEZ by Philippine authorities.	<b>Aiide</b> from the developer, the Japanese presence here includes locators such as 1) Big Philippines Corp. 2) Philippines Yushin, Inc. 3) Toms Manufacturing Corp. 4) Yamashita Mold Philippines Corp Together they account for 37% of the firms in this SEZ.	Name and Address: Daiichi Properties and Development Inc., Penthouse, The Taipan Place, F. Ortigas Jr. Road, Ortigas Center, Pasig City, 1605 Philippines  Telephone: +63 2 636 8888 Fax: +63 2 636 1000  Email: info@dpdiph.com  Website: www.daiichi.com.ph/dai-indudev.htm	This SEZ is considered to be close to full development with a broad set of expected features such as a broadband telecommunications network, an extensive internal road network, its own water treatment facility, and a secured perimeter. As such, major additional features are not to be expected in the near future.	Name and Address: Daiichi Properties and Development Inc., Penthouse, The Taipan Place, F. Ortigas Jr. Road, Ortigas Center, Pasig City, 1605 Philippines  Telephone: +63 2 636 8888  Email: info@dpdiph.com  Website: www.daiichi.com.ph/dai-indudev.htm Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: 100%
<b>XXPH11</b>	Eastwood City CyberPark (ECCP)	1997	Name and Address: E Rodriguez, Jr. Ave., Bagumbayan, Quezon City, Metro Manila  Telephone: +63 2 421 0000, +63 2 912 0708 (Leasing office)  Fax: +63 2 421 3960  Email: Could not be confirmed from public information.  Website: www.eastwood-properties.com	Eastwood City Cyberpark forms part of the 17 ha Eastwood City, which is located at the center of the metropolis of Quezon City in Metro Manila or the National Capital Region.  Latitude: 14.609444, Longitude: 121.08	As the country's very first IT park, Eastwood City Cyberpark is a BPO-targeted office complex occupying 13 ha of land in Eastwood City, Eastwood City is a 16 ha residential, business, commercial and entertainment city development of Megaworld Corporation. The cyberpark is listed as an approved IT Center by the PEZA, making export-oriented companies located therein eligible for temporary tax holiday, permanent reduced rate of corporate income tax, and other incentives. The park is specifically designed to meet the needs of IT firms, including support facilities and services that allow for continuous workflow 24 hours a day.	Seven (or 8.97%) of the 78 companies housed in ECCP are Japanese-owned.	Name and Address: Megaworld Corporation, 28/F The World Centre, 330 Sen. Gil Puyat Ave., Makati City, Metro Manila  Contact person: John T. Hao Tel: +63 0 632 867 8826 40 (John T. Hao), +63 632 867 8826, local 234, +63 632 867 8048 (Investor Relations) Fax: +63 632 867 8803  Email: jhao@megaworldcorp.com  Website: www.megaworldcorp.com	In 2009, Eastwood City Cyberpark opened two new business process outsourcing (BPO) buildings inside the country's pioneering ICT enclave. The two new buildings increased Eastwood City's office space inventory by approximately 70,000 sqm, thus assuring the BPO industry more room for expansion. Megaworld Corp. set aside PHP 1.5 billion for the development of the Global One Center, which offers an additional 34,000 sqm of prime office space.	Name and Address: Megaworld Corporation, 28/F The World Centre, 330 Sen. Gil Puyat Ave., Makati City, Metro Manila  Telephone: Main office: +63 0 632 867 8826, 40, or thru contact person, John T. Hao, Investor Relations at +63 0 632 867 8826 local 234, +63 0 632 867 8048  Email: jhao@megaworldcorp.com  Website: www.megaworldcorp.com  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
<b>XXPH12</b>	Filinvest Technology Park	2002	Name and Address: Filinvest Technology Park, Punta, Buroi & Bubuyan, Calamba City, Laguna  Telephone: +63 919 991 0032, +63 916 390 1393  Fax: +63 2 725 6321 Email: ir@filinvestland.com  Website: www.ciudad-de-calamba.com	Filinvest Technology Park is a 51.07 ha development located in the city of Calamba in Laguna province (Region IV). It lies 53.2 km south of Metro Manila and is 52 minutes away by road from the capital.  Latitude: 14.1844444, Longitude: 121.1216167	The developer Filinvest has other projects with SEZ designations such as Northgate Cyberzone in Alabang, Muntinlupa, but this is its sole development suited for light to medium industry. This park welcomes small (1500-2999 sqm.), medium (3000-6000 sqm.), and large (1 ha and above) locators. The SEZ is part of Filinvest's larger "Ciudad de Calamba" development which features commercial and residential.	Nippo Metal Tech Philippines is located here. It manufactures custom metal parts through metal sheet fabrication. The park has relatively low Japanese investment.	Name and Address: FLI Head Office, Filinvest Building, 79 EDSA, Mandaluyong City, 1550 Philippines  Telephone: +63 2 850 0888, +63 917 877 0888 (for this development) Fax: +63 2 725 6321  Email: servicedesk@filinvestland.com.ph  Website: www.filinvestland.com	This more than a decade old SEZ is considered to be close to full development with its own water treatment facility, secured perimeter with guards on duty, a suite of telecommunications services, and an internal paved road network. As such, there is not much significant additional investment expected over the coming years.	Name and Address: FLI Head Office, Filinvest Building, 79 EDSA, Mandaluyong City, 1550 Philippines  Telephone: +63 2 850 0888, +63 917 877 0888 (for this development)  Email: servicedesk@filinvestland.com.ph  Website: www.filinvestland.com  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: 100%

# Philippines

Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
XXPH13	First Cavite Industrial Estate-SEZ (FCIE-SEZ)	1991	<p>Name and Address: Bgy Langkaan, Dasmariñas City, Cavite Province, Phi</p> <p>Telephone: Could not be confirmed from public information.</p> <p>Fax: Could not be confirmed from public information.</p> <p>Email: info@fciea.com</p> <p>Website: www.fciea.com</p>	<p>FCIE is located in Dasmariñas City, in the province of Cavite, approximately 27 km south of Manila.</p> <p>Latitude: 14.279722, Longitude: 120.936667</p>	<p>FCIE is a 154 ha industrial subdivision built to serve the basic manufacturing needs of light-to-medium scale industries. FCIE offers the following infrastructures and facilities to its locators: a general Industrial Zone and an Export Processing Zone; plot configurations of 1,000sqm and 1 ha up to 20 ha; sufficient power supply; sufficient water supply sourced from 10 deep wells; diesel generator for emergency use of water supply system; sufficient telecommunications facilities; restaurants, commissaries and convenience stores, medical clinic and lab; fire station; and basketball/volleyball court.</p>	<p>56 (or 49.56%) of the 113 companies housed in FCIE are Japanese-owned.</p>	<p>Name and Address: First Cavite Industrial Estate Inc., Langkaan, Dasmariñas City, Cavite Province</p> <p>Telephone: Could not be confirmed from public information.</p> <p>Fax: Could not be confirmed from public information.</p> <p>Email: info@fciea.com</p> <p>Website: www.fciea.com</p>	<p>FCIE-SEZ is a joint venture project of three companies, namely:</p> <ol style="list-style-type: none"> <li>1) National Development Company (NDC), a company established by the Philippine government to pioneer projects of socio-economic impact and national significance.</li> <li>2) Marubeni Corporation, a general trading house based in Japan that has been doing business in the Philippines for several decades.</li> <li>3) Japan International Development Organization (JAIDO), a corporation established to promote projects which contribute to industrial and economic development of developing countries.</li> </ol>	<p>Name and Address: First Cavite Industrial Estate Inc., Langkaan, Dasmariñas City, Cavite Province</p> <p>Japan International Development Organization (JAIDO) is also likely to have contributed capital to this park, but details were not publicly available.</p> <p>Telephone: Could not be confirmed from public information.</p> <p>Email: info@fciea.com</p> <p>Website: www.fciea.com</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>
									<p>Name and Address: National Development Company (NDC); 116 Tordesillas St., Salcedo Village, 1227 Makati City, Philippines</p> <p>Telephone: +83 0 632 840 4838, +63 0 632 840 4862</p> <p>Email: mfr@ndc.gov.ph (General Manager: Ma. Lourdes F. Rebuena)</p> <p>Website: www.ndc.gov.ph</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>
XXPH14	First Philippine Industrial Park -SEZ (FPIP-SEZ)	1996	<p>Name and Address: Tanauan City, Batangas Province, Philippines</p> <p>Telephone: +63 43 405 6020 (Trunk Line), +63 43 405 6029 (Marketing Direct Line)</p> <p>Fax: +63 43 405 6031</p> <p>Email: smd@fip.com</p> <p>Website: www.fip.com</p>	<p>FPIP is located in Tanauan City in the Province of Batangas about 105 km south of the Philippine capital of Manila. It is 50 minutes away from Makati (the primary central business district of Metro Manila). The Park is 6km away from the end of the South Luzon Expressway (SLEX) coming from Manila, and 1km away from the start of the Southern Tagalog Arterial Road or STAR expressway going to Batangas proper.</p> <p>Latitude: 14.135833, Longitude: 121.1225</p>	<p>FPIP is a 350 ha industrial estate that caters to a wide range of industries, such as light and medium manufacturing; domestic market and export companies; and high technology and IT enterprises.</p>	<p>45 (or 58.44%) of the 77 companies housed in FPIP-SEZ are Japanese-owned.</p>	<p>Name and Address: First Philippine Industrial Park, Inc., Barangay Sta. Anastacia, Sto. Tomas, Batangas, 4234 Philippines</p> <p>Tel: +63 0 43 405 6020 (Trunk Line), +63 0 43 405 6029 (Marketing Direct Line)</p> <p>Fax: +63 0 43 405 6031</p> <p>Email: smd@fip.com</p> <p>Website: www.fip.com</p>	<p>FPIP has the following offerings:</p> <ol style="list-style-type: none"> <li>1) Developed lots that can cater to medium-to-large-scale facilities for light industry and manufacturing operations</li> <li>2) Ready built factories/built-to-suit facilities;</li> <li>3) Adequate power, telecommunication and water (deep well) supply and sewerage system</li> <li>4) The widest concrete road system among all industrial parks in the Philippines</li> <li>5) Eco-parks</li> <li>6) Audio-visual and socio-civic centers</li> <li>7) Multi-purpose covered courts</li> <li>8) Service support building that houses the park's own fire truck and ambulance</li> <li>9) Onsite storage and distribution facility for industrial gases via an underground piping system</li> <li>10) Hotel and restaurants</li> </ol> <p>In its latest press release, Sumitomo Corp. launched approximately 100 ha expansion work of the First Philippine Industrial Park.</p>	<p>Name and Address: First Philippine Industrial Park, Inc. (Head Office) Barangay Sta. Anastacia, Sto. Tomas, Batangas, 4234 Philippines</p> <p>FPIP is owned 70% by the Lopez Group and 30% by Japan's Sumitomo.</p> <p>Telephone: +63 0 43 405 6020 (Trunk Line) +63 0 43 405 6029 (Marketing Direct Line)</p> <p>Email: smd@fip.com</p> <p>Website: www.fip.com</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: 70%</p>
									<p>Name and Address: Sumitomo Corporation of the Philippines; 35th Floor, Philamlife Tower, 8767 Paseo de Roxas, Makati City, Philippines</p> <p>Telephone: +63 2 885 0671, 0680</p> <p>Email: Could not be confirmed from public information.</p> <p>Website: www.sumitomocorp.co.jp</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: 30%</p>
XXPH15	Freeport Area of Bataan (FAB)	1972	<p>Name and Address: Freeport Area of Bataan, 2/F AFAB Administration Bldg, Bataan Provincial Highway, Mariveles 2106, Philippines</p>	<p>FAB is a 1,742 ha development located in the city of Mariveles, Bataan province (Region III) 160 km west of Metro Manila. It is 2 hours away</p>	<p>The Bataan Export Processing Zone (BEPZ) was the Philippines' first special economic zone. It was developed by the Marcos administration</p>	<p>Japanese firm numbers are lower here compared to other Philippine SEZs. Less than 10% were Japanese in 1995, although this has</p>	<p>Name and Address: Freeport Area of Bataan, 2/F AFAB Administration Bldg, Bataan Provincial Highway, Mariveles 2106 Philippines</p>	<p>AFAB is unique in being a public governance entity autonomous in operations from PEZA. As such it has a GN 600 MW coal power plant</p>	<p>Name and Address: Freeport Area of Bataan, 2/F AFAB Administration Bldg, Bataan Provincial Highway, Mariveles 2106 Philippines</p>

# Philippines

Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
			Telephone: +63 47 935 4004 Fax: +63 47 935 4009 Email: info@afab.gov.ph Website: www.freeportareaofbataan.com	by road from the capital. Latitude: 14.4399527, Longitude: 120.4986444	as a public project. In 2009, its governing authority was transferred from Philippines Economic Zone Authority (PEZA) to the newly-created Authority of the Freeport Area of Bataan (AFAB). The nearest container port is in Manila Bay which is an hour away by sea.	since increased to 14% in early 2013.	Telephone: +63 47 935 4004 Fax: +63 47 935 4009  Email: info@afab.gov.ph Website: www.peza.gov.ph	nearly and a dedicated 1,500 cum./day sewage treatment plant. Future plans include the development of residential and commercial space to serve those working in FAB.	Telephone: +63 47 935 4004  Email: info@afab.gov.ph Website: www.freeportareaofbataan.com Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: 100% (public entity)
<b>XXPH6</b>	Gateway Business Park (GBP)	1990	Name and Address: Unit 7B, 7th Floor, Corinthian Plaza, 121 Paseo de Roxas, Legaspi Village, Makati City, Philippines  Cavite Office Address: Barangay Javalera, General Trias, Cavite, Philippines  Telephone: +63 632 892 2916 to 23 Fax: +63 632 812 8408, 892 3644 Email: support@gatewaybusinesspark.com.ph Website: www.gatewaybusinesspark.com.ph	GBP is located in Barangay Javalera, General Trias town in Cavite Province about 34 km south of the Philippine capital of Manila. Latitude: 14.262778, Longitude: 120.920278	GBP is 800 feet above sea level and covers 180 ha. GBP is located close to several large malls, such as the SM Mall and Robinson's Mall in Cavite. There are also schools such as the Lyceum University of the Philippines.	Out of the 21 companies housed in the park, six (or 28.57%) are Japanese.	Name and Address: Gateway Property Holdings, Inc. (GPHI) located at: 1) GF, Jaycem Building, 104 Rada Street, Legaspi Village, Makati City, Metro Manila, PH; 2) 7F Corinthian Plaza, 121 Paseo de Roxas, Makati City, Metro Manila, Philippines  Tel: +63 0 632 892 2916 to 23 Fax: +63 0 632 812 8408, 892 3644  E-mail: info@compass.com Website: Could not be confirmed from public information.	GBP features include: a modern road network, power and telecommunications infrastructure, water supply and a wastewater treatment facility. GBP is connected with power and telecommunications, fire trucks, ambulances, emergency response personnel, security contingent, a small hospital and a museum.	Name and Address: No public information on capital contributors available.
<b>XXPH7</b>	Greenfield Automotive Park (GAP)	1998	Name and Address: Greenfield Development Corporation, 88 United Street, Greenfield Corporate Center, Greenfield District, Mandaluyong City  Telephone: +63 2 420 8003 Fax: +63 2 631 8651 Email: ardenjacela@greenfield.com.ph (Lease manager for Greenfield City) Website: www.greenfield.com.ph	GAP is a 65.95 ha development located in the city of Sta. Rosa in Laguna province (Region IV) 40 km south of Metro Manila. It is 38 minutes away by road from the capital. Latitude: 14.6783834, Longitude: 121.065	Greenfield Automotive Park (GAP) was designed at the outset to serve automotive assembly and manufacturing concerns. Philippine operations of Toyota, Honda, Mazda and Nissan are located in the vicinity of GAP in Sta. Rosa, Laguna. GAP is part of another mixed-use development that also contains office, retail and residential space nearby.	Japanese firms in GAP include 1) Mitsumi Kagi Manufacturing Corp. 2) NHK Spring, Nitto Denko Philippines Corp. 3) Souhatsu Cebu Manufacturing Inc 4) Toyo Sea Co. Ltd In numerical terms, they are a quarter of the firms located in GAP.	Name and Address: Greenfield Development Corporation, 88 United Street, Greenfield Corporate Center, Greenfield District, Mandaluyong City  Telephone: +63 2 420 8003 Fax: +63 2 631 8651  Email: ardenjacela@greenfield.com.ph (Lease manager for Greenfield City) Website: www.greenfield.com.ph	This development may be considered as a relatively mature one. In terms of infrastructure, no major additions are expected. Given the site's relatively advantageous location, there currently an opportunity to take over the 24 ha parcel of land recently vacated by Ford Philippines which has since shut down its assembly plant located within.	Name and Address: Greenfield Development Corporation, 88 United Street, Greenfield Corporate Center, Greenfield District, Mandaluyong City  Telephone: +63 2 420 8003  Email: ardenjacela@greenfield.com.ph (Lease manager for Greenfield City) Website: www.greenfield.com.ph Amount Contributed: Could not be confirmed from public information. Percentage/Ratio of Contribution Compared to Total Capital Contributions: 100%
<b>XXPH8</b>	Hermosa Ecozone Industrial Park	March 3, 2006	Name and Address: Hermosa Ecozone Industrial Park, Hermosa, Bataan 2111 Philippines  Telephone: + 63 47 612 0882 Fax: +63 2 856 6916 Email: mktg@sciencepark.com.ph  Website: www.sciencepark.com.ph/HERMOSA.html	Hermosa Ecozone Industrial Park is a 142.04 ha development in the city of Hermosa in Bataan province (Region III). It lies 15 km east of Subic Freeport Zone and 36 km south of Clark Special Economic Zone. Latitude: 14.845, Longitude: 120.474444	Hermosa Ecozone Industrial Park is situated in between Clark and Subic SEZs. As such, this industrial zone is marketed as being close to airports and seaports, with the added benefit of being accessible via the JBIC-funded Subic-Tarlac-Clark Expressway (SOTEX). It is part of a mixed 487 ha development together with the Hermosa Ecozone Leisure Estate (HELE) which features commercial and residential areas.	Sumi Philippines Wiring Systems Corporation, a Philippine subsidiary of Sumitomo Wiring Systems that makes wiring harnesses, is the significant Japanese locator here. Its 6.8 ha facility was inaugurated in July 2011. It is one of four major locators in this SEZ to date. At 25% of locators in numerical terms, the Japanese presence here is below the Philippine average of 33% Japanese firms in SEZs.	Name and Address: Asset Growth Inc. c/o First Asia Venture Capital, 6/F PDCP Bank Centre, LP Leviste corner RA Rufino Sts., Salcedo Village, Makati City, Philippines 1227 Telephone: +63 2 892 7956 Fax: +63 2 892 6464  Email: hermosa.ecozone@gmail.com  Website: www.hermosa.ph	This development features waste treatment facilities and on-premise security services. Plans underway include attracting "overflow" firms that originally sought to locate in Subic but have since run out of suitable accommodations.	Name and Address: Science Park of the Philippines, Inc., 17/F Robinsons Summit Center, Ayala Avenue, Makati City, 1226 Philippines  Telephone: +63 2 856 9693  Email: Could not be confirmed from public information. Website: www.sciencepark.com.ph Amount Contributed: Could not be confirmed from public information. Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information. Name and Address: Seafont Resources Corporation (a Yushengco Group subsidiary), 7th Floor, JMT Building, ADB Ave., Ortigas Center, Pasig City, Philippines Telephone: +63 2 637 2917, +63 2 374362 Email: Could not be confirmed from public information. Website: www.seafrontresources.com.ph Amount Contributed: PHP 114.7 million as of 2009 Percentage/Ratio of Contribution Compared to Total Capital Contributions: 11.5% interest in Hermosa Name and Address: PentaCapital Investment Corporation, 10th Floor, ACT Tower, 135 Sen. Gil J. Puyat Avenue, Makati City, Philippines Telephone: +63 2 815 8066 to 72 Email: jadeleon@pentacap.com (Executive VP) Website: Could not be confirmed from public information. Amount Contributed: Could not be confirmed from public information. Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.



# Philippines

Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
<b>XXPH19</b>	Laguna International Industrial Park	1987	Name and Address: Laguna International Industrial Park, Ganado & Mamlasan, Biñan, Laguna  Telephone: +63 49 539 0085  Fax: +63 49 539 0105  Email: lilpai@yahoo.com.ph  Website: www.lip.com.ph	Laguna International Industrial Park is just 12 km away from the Metro-Manila boundary, 25 km from Makati, 30 km from Manila International Airport and 62 km away from Batangas Port.  Latitude: 14.288889, Longitude: 121.079444	The park is situated on a 117 ha area in Biñan. It has an English-speaking work force. Reasonably low labor cost are its main advantage. The park is equipped with a high-power sound system and can host corporate events. It has a secured entrance gate and perimeter wall for privacy and security. Security guards are on duty 24/7.	There are 7 Japanese firms currently operating in Laguna International Industrial Park out of the total 63 firms.	Name and Address: Laguna International Industrial Park  Telephone: +63 49 539 0085 Fax: +63 49 539 0105  Email: lilpai@yahoo.com.ph  Website: www.lip.com.ph	The park has a well structured road network. Main roads are 20 meters wide. Secondary roads are between 13 to 17 meters wide. All roads paved with concrete and have concrete curbs, gutters and sidewalks. The park has a commercial center, a conference room, office buildings, sports complex and separate administration building apart from the factory buildings. It has its own water supply system, fire hydrants, underground storm drainage system and sewage treatment plant. Management has no plans for expansion in near future.	Name and Address: Samsung Corp. Address: 1128 University Parkway, North Bonifacio, Global City, 1634 Taguig  Telephone: +63 1 800 10 726 7864  Email: through website  Website: www.samsung.com/ph  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.  Name and Address: Solid Corp., Solid House 2285 Don Chino Rocas Avenue, Makati City, Philippines, 1231  Telephone: +63 2 843 1511 to 15  Email: info@solidgroup.com.ph  Website: www.solidgroup.com.ph  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
<b>XXPH20</b>	Laguna Technopark	Likely 1992	Name and Address: Laguna Technopark, 2/F Administration Building I, North Main Avenue, Laguna Technopark, Biñan, Laguna  Telephone: +63 2 818 3840, +63 2 818 4040  Fax: +632 812 1386  Email: info@lagunatechnopark.com.ph  Website: Could not be confirmed from public information.	The Laguna Technopark facilities are located in Sta. Rosa and Biñan, Laguna. The technopark, situated on 450 ha, is 47 km from the Philippines' main international airport, 50 km from the international seaport in Metro Manila, and 44 km from Makati.  Latitude: 14.263611, Longitude: 121.0491666	Laguna Technopark is a privately-owned industrial estate. This park is well-suited for light to medium, non-polluting industries. It offers incentives, including 100% foreign ownership and local tax exemptions. No information on the size (land area of the park) was available.	There are about 99 firms operating in Laguna Technopark, of which 51 are Japanese firms.	Name and Address: Laguna Technopark Incorporated  Telephone: +63 2 818 3840, +63 2 818 4040  Email: info@lagunatechnopark.com.ph  Website: none (was formerly www.lagunatechnopark.com, but this website is no longer operational)	The park is equipped with digital telecommunication facilities, highway-grade roads, high voltage power facilities, a centralized sewage system and a waste water treatment facility. There is an administrative center, banks, medical facilities, a multi-purpose social hall, security posts, fire stations and external/internal transport terminals inside the park. The park developer has plans for future expansion, but no details around timing or expansion details were publicly available.	Name and Address: Ayala Land Inc., Tower One & Exchange Plaza, Ayala Triangle, Ayala Avenue Makati City, Metro Manila 1226  Telephone: +63 2 908 3000  Email: Unavailable but there is a contact form, www.ayalaland.com.ph/contact-us  Website: www.ayalaland.com.ph  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.  Name and Address: Mitsubishi Corporation Address: 14th Floor, L.V. Locsin Building, 6752 Ayala Avenue corner Makati Avenue, Makati City  Telephone: +63 2 403 5719  Email: Could not be confirmed from public information.  Website: www.mitsubishicorp.com/jp/en/network/ao/philippines.html  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
<b>XXPH21</b>	Light Industry & Science Park I	1991	Name and Address: Administrative Building, Light Industry and Science Park I, Cabuyao, Laguna  Telephone: +63 49 543 0984, +63 49 543 1068  Fax: +63 49 543 0125  Email: lisp1@peza.gov.ph, mktg@sciencepark.com.ph  Website: www.sciencepark.com.ph/parks_LISP1.html	The Light Industry & Science Park I is 16 km away from the Metro Manila boundary, 3 km away from Makati, 38 km from Ninoy Aquino International Airport and 40 km from International South Harbor in Manila.  Latitude: 14.1940000, Longitude: 121.148000	This park was the first privately-owned industrial estate registered with the Board of Investments. It is an ISO 9002 and ISO 14001 (Environmental Management Systems) certified park. About 28,000 people work in this park.	There are 82 firms currently operating in this park, of which 21 are Japanese.	Name and Address: Light Industry and Science Park I Locator's Association Inc., Administrative Building, Light Industry and Science Park I, Cabuyao, Laguna  Telephone: +63 49 543-0984, +63 49 543 1068  Email: lisp1@peza.gov.ph  Website: www.sciencepark.com.ph/parks_LISP1.html	The park is situated in a 173 ha area, it has 23 meter-wide arterial roads and 13 meter-wide service roads. The park also has two centralized waste water treatment plants, a full-service medical clinic, a lagoon, jogging paths and a Japanese restaurant. Future expansion is possible, as there is available land in the area, but no explicit information about expansion plans was publicly available.	Name and Address: Science Park of the Philippines Inc., Makati Head Office, 17F Robinsons Summit Center Ayala Avenue, Makati City, 1226 Philippines  Telephone: +63 2 858 9893  Email: www.sciencepark.com.ph/contact  Website: www.sciencepark.com.ph  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.  Name and Address: Philippine Economic Zone Authority, PEZA Building Roxas Boulevard corner San Luis Street Pasay City, Metro Manila  Telephone: +63 2 551 3436, +63 2 551 3438

# Philippines

Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
									Email: info@peza.gov.ph Website: www.peza.gov.ph Amount Contributed: Could not be confirmed from public information. Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
<b>XXPH22</b>	Light Industry & Science Park II	1996	Name and Address: Light Industry & Science Park II, Real & La Mesa, Calamba City, Laguna  Telephone: +63 49 545 0525, 26  Fax: +63 49 244 5677  Email: lisp2@peza.gov.ph, mktg@sciencepark.com.ph  Website: www.sciencepark.com.ph/parks_LISP2.html	Light Industry & Science Park II is 22 km away from the Metro Manila boundary, 41 km from Makati, 44 km from Ninoy Aquino International Airport and 48 km from South Harbor in Manila. It is just 300 meters from the Calamba interchange of the South Luzon Expressway.  Latitude: 14.1894444, Longitude: 121.15	This was the first privately-owned industrial park in the country to be declared an economic zone (ecozone), offering incentives to tenant firms. Transportation within the industrial estate, banks, healthcare facilities, freight forwarding and round-the-clock security are its main advantages. Major multinational companies including Procter & Gamble, Unilever, Pepsi, NESTLE, NXP and ST Microelectronics Nippon Paint have their factories here.	The park is home to 40 firms, of which 12 are Japanese-owned.	Name and Address: Light Industry and Science Park II Locator's Association Inc.  Telephone: +63 49 545 0525/ 26  Email: mktg@sciencepark.com.ph  Website: www.sciencepark.com.ph/parks_LISP2.html	The park is situated on 68 ha of land. It has 22 meter-wide arterial roads and 16 meter-wide service roads. It is equipped with a centralized waste water treatment plant and a 34.5 KV power supply facility. There is conflicting information about available plots in the park, but it may be near capacity. There is no publicly available information about expansion plans.	Name and Address: Science Park of the Philippines Inc., 17F Robinsons Summit Center Ayala Avenue, Makati City, 1226 Philippines (Makati Head Office)  Telephone: +63 2 856 9693  Email: www.sciencepark.com.ph/contact  Website: www.sciencepark.com.ph  Amount Contributed: Could not be confirmed from public information. Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
<b>XXPH23</b>	Light Industry & Science Park III	2012	Name and Address: Light Industry & Science Park III, Sto. Tomas, Batangas  Telephone: +63 2 584 4057  Fax: +63 2 584 4057  Email: czvelena@peza.gov.ph, mktg@sciencepark.com.ph  Website: www.sciencepark.com.ph/parks_LISP3.html	Light Industry & Science Park III is 31 km away from the Metro Manila boundary, 50 km from Makati City, 53 km from Ninoy Aquino International Airport and 57 km from South Harbor, Manila. It has an entrance directly across Sto. Tomas interchange of soon-to-be-completed extension of Southern Luzon Expressway. The park is also accessible via the National Highway.  Latitude: 14.2374685, Longitude: 121.1022338	The park has reliable power provision, sound telecommunication infrastructure, banks and healthcare facilities and freight forwarding facilities. Fiber optic cable technology for voice, fax, data, video conferencing and Internet service capabilities is provided by Philippine Long Distance Telephone Co. via the New Generation Network.	This is a newly developed park, only five firms are presently operating in the park, but more are expected in 2013.	Name and Address: Science Park of the Philippines, Inc., 17F Robinsons Summit Center Ayala Avenue, Makati City, 1226 Philippines  Telephone: +63 2 856 9693  Email: Could not be confirmed from public information.  Website: www.sciencepark.com.ph	The park covers 133 ha of land. The centralized waste water treatment facility with a capacity of 12,000 cubic meters per day processes effluents with up to 400 ppm biochemical oxygen demand. Power is supplied by Manila Electric Co. via 115 KV line to an 83 MVA substation. Power is distributed at 34.5 KV stepped down to 480/230 V at the customer service entrance. There is significant space available for new tenants.	Name and Address: Science Park of the Philippines, Inc., 17F Robinsons Summit Center Ayala Avenue, Makati City, 1226 Philippines  Telephone: +63 2 856 9693  Email: www.sciencepark.com.ph/contact  Website: www.sciencepark.com.ph  Amount Contributed: Could not be confirmed from public information. Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
<b>XXPH24</b>	Lima Technology Center SEZ (LTC)	1995	Name and Address: LIMA Land Inc., G/F, Alsons Building, 2286 Chino Roces Extension (formerly Pasong Tamo Extension), Makati City 1231 Philippines  Telephone: +63 2 982 3000, +63 2 982 3019  Fax: +63 2 840 3852  Email: info@limatechnologycenter.com  Website: www.limatechnologycenter.com	LTC is a 280.17 ha development located in the cities of Lipa and Makar, Batangas province (Region IV) 80 km south of Metro Manila. It is 80-90 minutes away by road from the capital.  Latitude: 14.0119444, Longitude: 121.1739639	The developer LIMA Land is a joint venture between Marubeni Corporation of Japan and Alsons Land Corporation (an Alcantara Group subsidiary). It is part of a mixed-use development which also features commercial and residential areas. Due to its size, it features 38 km of paved roads in its internal road network. The development's industrial portion predominantly features a mix of light and medium industries.	Aside from being co-developed by the Japanese trading firm Marubeni, several locators here are Japanese. In numerical terms, 40% of the firms located in this SEZ have Japanese investment out of a total of 42.	Name and Address: Lima Land Inc., G/F, Alsons Building, 2286 Chino Roces Extension (formerly Pasong Tamo Extension), Makati City 1231 Philippines  Telephone: +63 2 813 2781 Fax: +63 2 840 3852  Email: lima_marketing@alcantaragroup.com  Website: www.limatechnologycenter.com	LTC features a 50 MVA power substation to handle the electrical needs of industrial concerns. It also features a water treatment facility that can treat 22,000 cu.m./day. A fiber optic network provides broadband Internet and other modern telecommunications services. The developer is trying to attract more commercial services such as retail outlets to complement the growing workforce of this SEZ.	Name and Address: Alsons Land Corporation, 3F Solid House Building, 2285 Pasong Tamo Extension, Makati City 1200 Philippines  Telephone: +63 2 840 3853  Email: lima_marketing@alcantaragroup.com  Website: www.alcantaragroup.com/land_property.php  Amount Contributed: Could not be confirmed from public information. Percentage/Ratio of Contribution Compared to Total Capital Contributions: 60%
									Name and Address: Marubeni Philippines Corporation, 8th & 9th Floors, L.V. Locsin Building, Ayala Avenue corner Makati Avenue, Makati City 1226 Philippines

# Philippines

Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
									<p>Telephone: +63 2 819 0211 to 20</p> <p>Email: phladni@marubeni.com</p> <p>Website: www.marubeniphil.com</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: 40%</p>
<b>XXPH26</b>	Mactan Ecozone II	1996	<p>Name and Address: Mactan Ecozone II, Lapu-Lapu City, Mactan, Cebu</p> <p>Telephone: +63 32 341 4474</p> <p>Fax: +63 32 340 4694</p> <p>Email: mez2@peza.gov.ph, aboitizland@aboitz.com</p> <p>Website: www.aboitizland.com/industrial/3212.economic_zone_mez2.html</p>	<p>Mactan Ecozone II is located 4 km away from the Mactan Cebu International Airport, 8 km from the Cebu International Seaport and 10 km from the heart of Cebu City.</p> <p>Latitude: 10.2797714, Longitude: 123.9638531</p>	<p>Apart from its strong port and airport connections, the English-speaking workforce is one of the main advantages of the park. More than 18,000 people work in this park. It is home to electronics, automotive supplies, medical equipment, home furnishings and garments industries.</p>	<p>Mactan Ecozone II is home to 54 companies, out of which 18 are Japanese-owned.</p>	<p>Name and Address: AboitzLand</p> <p>Address: Signal Trading Building, No. 1 Paseo Saturnino, Maria Luisa Road, Banilad, Cebu City 6000</p> <p>Telephone: +63 32 411 1800, +63 32 411 1623</p> <p>Email: aboitizland@aboitz.com</p> <p>Website: www.aboitizland.com</p>	<p>Mactan Ecozone II covers 63 ha of level land. It has a 22 meter-wide main road and 14 meter-wide secondary roads. It is equipped with a storm drainage system, sewage system, water supply system, waste water treatment plant, power substation, telecommunication facilities and fire protection facilities. There are administration buildings, a guardhouse, steel gate and industrial zone perimeter fence. There is no available land immediately surrounding the park for expansion.</p>	<p>Name and Address: AboitzLand, Signal Trading Building, No. 1 Paseo Saturnino, Maria Luisa Road, Banilad, Cebu City 6000</p> <p>Telephone: +63 8332 411 1800, +63 32 411 1623</p> <p>Email: aboitizland@aboitz.com</p> <p>Website: www.aboitizland.com</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p> <p>Name and Address: Mactan Cebu International Airport Authority, Airport Road, Lapu-Lapu City, Cebu, Philippines 6016</p> <p>Telephone: +63 32 340 2486, local 1031</p> <p>Email: pao@mciaa.gov.ph</p> <p>Website: www.mciaa.gov.ph</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p> <p>Name and Address: Philippine Economic Zone Authority, PEZA Building Roxas Boulevard corner San Luis Street Pasay City, Metro Manila</p> <p>Telephone: +63 2 551 3436, +63 2 551 3438</p> <p>Email: info@peza.gov.ph</p> <p>Website: www.peza.gov.ph</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>
<b>XXPH28</b>	McKinley Hill Cyberpark	2007	<p>Name and Address: Bonifacio Global City, Taguig City, Metro Manila</p> <p>Contact Person: Ms. Zory Mangelen</p> <p>Telephone: +63 2 912 0708, +63 2 912 0756</p> <p>Fax: Could not be confirmed from public information.</p> <p>Email: zmangelen@megaworldcorp.com</p> <p>Website: www.themckinleyhill.com.ph</p>	<p>The park is located inside Bonifacio Global City (BGC) in Taguig City, Metro Manila. Bonifacio Global City is a highly accessible area and only a short distance from the Makati Central Business District, Ortigas Center, and Manila's domestic and international airports. BGC is directly linked to Manila's two major thoroughfares, Epifanio de los Santos Avenue (EDSA) and Circumferential Road 5 (C-5), and is accessible via seven key points: Kalayaan Avenue from the North, Kalayaan Flyover via EDSA and Makati, McKinley Road from the West, the three C-5 Highway gates from the east, and the Airport via Villamor Air Base from the south.</p> <p>Latitude: 14.5305556, Longitude: 121.0530556</p>	<p>McKinley Hill Cyberpark lies inside the 50 ha McKinley Hill, Megaworld's largest mixed-use township to date. The McKinley Hill Cyberpark houses BPO and call centers for local and multinational firms. Big floor spaces and various facilities, including a dorm residence for employees, are provided. The CyberPark offers office space covering 17,142 sq.m. Also located within the zone are the headquarters of the Philippine Chamber of Commerce and Industry, the Venice Piazza Mall and the British, Korean and Qatar embassies. McKinley Hill currently showcases over 270,000 sq.m of office space, over 4,713 condominium units and 482 residential lots.</p>	<p>No publicly available information regarding the level of Japanese investment.</p>	<p>Name and Address: Megaworld Corporation, 28/F The World Centre, 330 Sen. Gil Puyat Ave., Makati City</p> <p>Contact person: John T. Hao</p> <p>Tel: +63 2 867 8826, local 234, +63 2 867 8048</p> <p>Fax: +63 2 867 8803</p> <p>Email: jhao@megaworldcorp.com</p> <p>Website: www.megaworldcorp.com</p>	<p>One World square is McKinley Hill Cyberpark's first BPO building and it is located right at the entrance to McKinley Hill. The building is 11 storeys high and provides 30,000 sq.m of prime office space. The first office tower to feature varying floor plates, the 2nd to 5th floor offices host 5,000 sq.m of space and the 6th-7th floor, 2,000 sq.m. The top four floors provide floor plates of 700 sq.m. There are two floors available for occupancy totaling 8,000 sq.m. Megaworld is committed to finishing two BPO buildings every year in McKinley Hill Cyberpark. Megaworld is allocating PHP 12 billion (USD 292 million) for the construction of BPO offices, PHP 3 billion (USD 72 million) to develop the retail and mall aspect, and PHP 18 billion (USD 438 million) for the residential component of McKinley Hill up to 2014.</p>	<p>No publicly available information on capital contributors.</p>
<b>XXPH27</b>	Mactan Export Processing Zone I (MEPZ I)	1979	<p>Name and Address: MEPZ1 Main Rd, Lapu-Lapu City, Philippines</p> <p>Telephone: +63 32 340 0593</p> <p>Fax: Could not be confirmed from public information.</p> <p>Email: info@peza.gov.ph</p> <p>Website: www.peza.gov.ph</p>	<p>MEPZ I is a 119.37 ha development located in Lapu-Lapu City forty minutes southeast of Cebu City on Mactan Island. MEPZ I is also adjacent to Mactan Cebu International Airport, the second busiest airport in Philippines.</p> <p>Latitude: 10.3268195, Longitude: 123.9847333</p>	<p>MEPZ I was built through the initiative of former President Marcos for export-oriented industrialization. Unlike several later SEZs, it was publicly developed and remains publicly run.</p>	<p>By 1996 about half of all firms located in MEPZ I were Japanese-owned, though this has since fallen to slightly more than a third with the continued influx of other international companies.</p>	<p>Name and Address: Philippine Economic Zone Authority, PEZA Building, Roxas Boulevard corner San Luis Street, Pasay City, Metro Manila</p> <p>Telephone: +63 2 551 3436; +63 2 551 3438</p> <p>Email: info@peza.gov.ph</p> <p>Website: www.peza.gov.ph</p>	<p>Development of this SEZ has not been as continuous as that of private SEZs. Especially after the Marcos administration, PEZA has left the development of SEZs to private entities. Originally occupying 119 ha, 57 more ha were acquired from the Philippine Air Force in 1993 to facilitate expansion. Skilled labor is readily available given that the SEZ is located adjacent to Metro Cebu which has plentiful tertiary and technical education institutions.</p>	<p>Name and Address: Philippine Economic Zone Authority, PEZA Building, Roxas Boulevard corner San Luis Street, Pasay City, Metro Manila</p> <p>Telephone: +63 2 551 3436, +63 2 551 3438</p> <p>Email: info@peza.gov.ph</p> <p>Website: www.peza.gov.ph</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: 100%</p>

# Philippines

Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
<b>XJPH28</b>	MRI (Mitsumi Realty, Inc.) Ecozone	March 28, 2002	Name and Address: MRI Ecozone, Sabang, Danao City, Cebu 6004 Philippines  Telephone: +63 32 417 0001, local 1060 Fax: +63 32 417 0002  Email: dptenage@peza.gov.ph (Dennis Patricio T. Enage, administrator) Website: www.mitsumi.co.jp/profile/index_e.html	MRI Ecozone is an 28.29 ha development in the city of Danao in Cebu province (Region VII). It lies 36 km northeast of Cebu City and is 40 minutes away by road.  Latitude: 10.529444, Longitude: 121.013889	This park was developed by Mitsumi Realty, Inc., the Philippine real-estate subsidiary of Japan's Mitsumi Electric Co., Ltd. However, Mitsumi's Philippine headquarters is in the Freeport Area of Bataan Mariveles. This SEZ is one of five SEZs in Cebu suitable for industrial applications aside from West Cebu Industrial Park (WCIP), Mactan Economic Zones 1 & 2, and Cebu Light Industrial Park (CLIP).	The principal locator in this SEZ is Mitsumi Electric Co., Ltd. Together with the developer, Mitsumi Realty, Inc., it is an entirely Japanese-invested SEZ. However, Mitsumi has indicated openness to hosting other locators provided that their product lines are complementary (i.e., consumer electronics componentry). As an analogy, see the arrangements for non-Toyota locators in Toyota Sta. Rosa.	Name and Address: Mitsumi Philippines, Luzon Avenue, Phase 1 – The Freeport Area 2106 Bataan Mariveles, Bataan, Philippines 2106  Telephone: +63 32 935 4011 to 16 Fax: +63 32 731 1534  Email: w_verzon@bm.mitsumi.co.jp  Website: www.mitsumi.co.jp/profile/factory_world_e.html	The development is geared primarily towards the manufacture of semiconductors, electronics and related industries. Mitsumi places capitalization of its facilities at PHP 1,145,683,000 (USD 28,060,000). No major improvements are planned at the current time.	Name and Address: Mitsumi Electric Co., Ltd. 2-11-2, Tsurumaki, Tama-shi, Tokyo, 206-8567  Telephone: +81 042 310 5333  Email: w_verzon@bm.mitsumi.co.jp  Website: www.mitsumi.co.jp  Amount Contributed: PHP 1,145,683,000  Percentage/Ratio of Contribution Compared to Total Capital Contributions: 100%
<b>XJPH29</b>	Phividec Industrial Estate-Economic Zone	August 13, 1974	Name and Address: Phividec Industrial Authority, Phividec Industrial Estate-Misamis Oriental, Administration Building, MCT Complex, Tagalkan, Misamis Oriental, 9001 Philippines  Telephone: +63 88 5670 135/ 315/ 316, +63 890 1108/ 1110 Fax: +63 88 5670 194, +63 8822 740 177  Email: Could not be confirmed from public information. Website: www.piamo.gov.ph/pia	Phividec Industrial Estate is a 3,000 ha development located in the municipalities of Villanueva and Tagloan in Misamis Oriental province. It is on the northern part of Mindanao island in Region X and lies 25km east of Cagayan de Oro City.  Latitude: 8.526175, Longitude: 124.7548167	Phividec Industrial Estate is the largest industrial estate in the Philippines at 3,000 ha. Its location near the shore and its incorporation of the Mindanao Container Terminal (MCT) makes it relatively more attractive for handling containerized cargo bound for local and export markets. Workers at firms located in the industrial estate come from Cagayan de Oro City, Villanueva, Tagalkan, and from elsewhere in Misamis Oriental.  As of 2012, they together represent 4 Japanese-invested firms out of 74 located in this industrial area.	There are four Japanese investors of note: (1) Philippine Sinter Corporation, a wholly-owned subsidiary of JFE Steel (2) Taiyo Nippon Sanso Philippines which manufactures and distributes liquid and air cylinder products (3) Philipinas Kao Inc. which manufactures and distributes oleochemicals (mostly based on coconut oil) (4) Philippine-Japan Maritime Surveyors which performs cargo surveying and adjustment services  As of 2012, they together represent 4 Japanese-invested firms out of 74 located in this industrial area.	Name and Address: Philippine Economic Zone Authority (PEZA)  Telephone: +63 2 551 3436, +63 2 551 3438  Email: info@peza.gov.ph Website: www.peza.gov.ph	This industrial estate originally aimed to be "fully developed" by 1990 with 10 heavy industries, 40 medium industries and 100 light industries. However the present breakdown of existing industries suggests it is some distance from achieving this goal. A recent development to ease living and transportation concerns for workers in Phividec Industrial Authority (PIA) was the construction of a PIA Employees Village starting in 2011.	Name and Address: Harjin Heavy Industry and Construction Limited (South Korea); address - Green Beach 1, Redonda Peninsula, Sitio Agusanin Brey, Caway, Subic (Zambales). This is a 480 ha shipbuilding facility.  Telephone: +63 47 306 5100, local 1280, 1187)  Email: external_affairs@hhic-phil.com  Website: www.hhic-phil.com Amount Contributed: To total USD 2 billion  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.  Name and Address: Filinvest Development Corporation Utilities Incorporated (Philippines), On 17 April, 2013 Filinvest signed a lease agreement to build a coal power plant projected to generate 405 MW by 2016. Telephone: +63 2 575 1600 Email: corpcomm@fdutilities.com Website: www.fduutilities.com Amount Contributed: PHP 29-30 billion  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
<b>XJPH30</b>	Pueblo de Oro IT Ecozone	2005	Name and Address: Pueblo Business Park, Cagayan De Oro City  Contact person: Voltaire Flores  Telephone: +63 2 811 4656 (Voltaire Flores) Fax: +63 2 819 0941  Email: vmflores@pueblodeoro.com Website: www.pueblodeoro.com	Pueblo de Oro IT Ecozones is located inside the 20 ha Pueblo Business Park, which is part of the 360 ha Pueblo de Oro Township, the first self-sustaining township in the heart of Cagayan de Oro City. Cagayan De Oro is the capital city of the province of Misamis Oriental in the north-southern Philippines.  Latitude: 8.45057, Longitude: 124.622442	Pueblo de Oro IT Ecozone is the first information technology park in Mindanao duly proclaimed and registered with the Philippine Economic Zone Authority (PEZA). The Pueblo de Oro I.T. Ecozone is located just beside SM City Mall and is close to several residential villages and other facilities. Underground provisions for cables and telecom facilities where many telecom providers have put up their broadband nodes are in place. In addition, an interconnected electrical distribution system loop is connected to three Cagayan Electric Power and Light Co. (CEPALCO) substations, better ensuring constant power supply. Provisions for power and water, 24/7 security including fire station and fire truck, K-9 patrol, surveillance cameras are in place.	No publicly available information on the level of Japanese investment.	Name and Address: Pueblo de Oro Development Corporation (PODC); Pueblo de Oro Development Corporation, PODC Building, Pueblo Business Park, 9000 Cagayan de Oro City Philippines  Tel: +63 88 858 8976 Fax: +63 88 856 4385  Email: Could not be confirmed from public information. Website: www.pueblodeoro.com	Lot sizes in the business park range from 900 to 1,100 sq.m. Per PEZA's 31 Dec 2012 data, currently on sale are corner lots totaling 12,680 sq.m. and inner lots totaling 11,577 sq.m.  Pueblo de Oro Development Corporation (PODC) is owner-developer of the Pueblo de Oro Township. It is a joint-venture between Regatta Properties, Inc. (RPI) and Beacon Property Ventures, Inc. (BPVI). RPI is a wholly-owned subsidiary of the Science Park of the Philippines, Inc. (SPPI). SPPI is owned by institutional investors like the Investment & Capital Corporation of the Phils. (ICCP), Philippine American Life and General Insurance Company (Philamlife), Mitsui Co. of Japan, Fremont Investors, Inc. (Bechtel Group of Companies), National Development Corporation, Perf Realty Corporation, Panay Electric Company, Inc., Valmore Investment & Management Corp., ICCP Land & Management, Inc. and the ICCP Managers, Inc.	Name and Address: Pueblo de Oro Development Corporation (PODC); Pueblo de Oro Development Corporation, PODC Building, Pueblo Business Park, 9000 Cagayan de Oro City Philippines  Telephone: +63 88 858 8976  Email: Could not be confirmed from public information. Website: www.pueblodeoro.com  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
<b>XJPH31</b>	Subic Shipyard Special Economic Zone	1992	Name and Address: SBMA (Subic Bay Metropolitan Authority) Center Building, 229 Waterfront Road, Subic Bay Freeport Zone, Philippines  Telephone: +63 47 252 3737 Fax: +63 47 252 5278  Email: rvgarcia@sbma.com (Chairman & Administrator) Website: www.sbma.com	Subic Shipyard SEZ is a 76.59 ha development located 110 km north of the capital of Manila in Zambales province. The nearest major city is Olongapo City with a population of 220,000. Subic Bay is in Region III of the Philippines (Central Luzon).  Latitude: 14.8171834, Longitude: 120.2806917	The SEZ is designated as a special economic zone via the Bases Conversion and Development Act No. 7227. Subic Bay is a natural deepwater port, making it an ideal Philippine location for shipbuilding, ship repair, and other maritime industries. U.S. Naval Base Subic Bay occupied this facility from the onset of the American colonial period until 1991 when its lease expired after not being renewed by Philippine lawmakers. The area linking Subic Bay with the former Clark Air Force Base (now the Clark Freeport Zone) is being developed as an industrial corridor in Central Luzon. Its 15 piers can accommodate Panamax-class vessels.	The main Japanese private investor of note is Keppel Subic Shipyard, previously Subic Shipyard and Engineering. Aside from commercial interests, the Japanese government has contributed directly to funding improvements in dry dock facilities for shipbuilding and repair as well as the road linking Subic with Clark.	Name and Address: Bases Conversion Development Authority, 2/F Bonifacio Technology Center, 31st Street corner 2nd Avenue, Bonifacio Global City, Taguig City  Telephone: +63 2 575 1700 Fax: +63 2 816 0996  Email: bcda@bcda.gov.ph  Website: www.bcda.gov.ph	At the time of its 1991 turnover to the Philippine government, Subic Bay had an estimated PHP 8 billion worth of existing facilities. In 2000, it finalized a PHP 21 billion Japanese Bank for International Cooperation (JBIC) loan with a 40-year repayment period and an annual interest rate of 0.95%. Funded by this loan, Subic-Clark-Tarlac Expressway was opened in 2008 and remains subject to improvement. Funded by another 215 million PHP JBIC loan for the Subic Bay Modernization Project, New Container Terminals (NCT) 1 and 2 each capable of handling 300,000 twenty foot equivalent units annually were completed. NCT-1 opened in 2008 and NCT-2 in 2013, respectively.	Name and Address: Subic Bay International Terminal Corporation (a subsidiary of International Container Terminal Services, Inc.)  Telephone: +63 47 252 6477, +63 47 252 6475  Email: info@sbic.net  Website: www.sbic.net  Amount Contributed: Approximately USD 215 million  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.

# Philippines

Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
									confirmed from public information.
									Name and Address: First Philippine Infrastructure Development Corporation (a subsidiary of the Lopez Group)  Telephone: +63 2 479 3005; +63 2 449 2467  Email: cpsison@lopez-holdings.ph (Investor & Media Relations)  Website: www.fphc.com  Amount Contributed: USD 215 million  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
<b>XXPH32</b>	Toyota Santa Rosa (Laguna) Special Economic Zone	1995	Name and Address: Toyota Special Economic Zone, Santa Rosa-Tagaytay Highway, Santa Rosa City, Laguna 4026 Philippines  Telephone: +63 49 843 1156 Fax: +63 49 843 1163 Email: customerassistance@toyota.com.ph  Website: www.toyota.com.ph	Toyota Sta. Rosa (Laguna) Special Economic Zone is an 81.67 ha development in the city of Sta. Rosa in Laguna province (Region IV). It lies 40 km south of Metro Manila and is 38 minutes away by road from the capital.  Latitude: 14.2724084, Longitude: 121.0779445	Toyota Sta. Rosa (Laguna) Special Economic Zone is geared towards automotive and related industries. Its location is close to other automobile parts and assembly plants in CALABARZON, Region IV. Currently, this SEZ is being used as a hub by Japanese concerns for export to the broader ASEAN and Asian region.	The developer Toyota Motor Philippines Corporation has its headquarters in this SEZ. All other entities aside from Toyota are also Japanese auto industry concerns in Toyota's supply chain, namely: 1) Aichi Forging Company 2) Philippine HKR 3) Toyota Autoparts 4) Tokai Rica Philippines	Name and Address: Toyota Motor Philippines, Toyota Special Economic Zone, Santa Rosa-Tagaytay Highway, Santa Rosa City, Laguna 4026  Telephone: +63 49 843 1156 Fax: +63 49 843 1163  Email: customerassistance@toyota.com.ph  Website: www.toyota.com.ph	Toyota Motor Philippines has continually upgraded its Laguna-based facilities to meet modern Corporate Social Responsibility (CSR) objectives: It operates a water treatment plant, partly utilizes solar power, and has embarked on the development of an 11.4 hectare "ToyotaForest" tree nursery within the SEZ. In 2004, it was awarded ISO 14001 for its environmental management system. In 2012, it opened a Toyota Technical School whose technician graduates will work in the Toyota operations here and abroad.	Address: GT [George Ty] Capital Holdings, Incorporated, 43rd Floor, GT Tower International, 6813 Ayala Avenue corner H.V. Dela Costa Street, Makati City, Philippines  Telephone: +63 2 836 4500  Email: gtcap@gtcapital.com.ph  Website: www.gtcapital.com.ph  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: 51% equity share in Toyota Motor Philippines  Name and Address: Toyota Motor Corporation of Japan, 1 Toyota-Cho, Toyota City, Aichi Prefecture 471-8571, Japan  Telephone: +81 565 28 2121  Email: Could not be confirmed from public information.  Website: www.toyota-global.com  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: 34% equity share in Toyota Motor Philippines  Name and Address: Mitsui & Co., 36th Floor, GT Tower International, 6815 Ayala Avenue, 1200 Makati City, Philippines  Telephone: +63 2 819 7777  Email: Could not be confirmed from public information.  Website: www.mitsui.com  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: 6% equity share in Toyota Motor Philippines
<b>XXPH33</b>	West Cebu Industrial Park (WCIP)	November 23, 1992	Name and Address: Cebu Industrial Park Developers, Inc. West Cebu Industrial Park Special Economic Zone, Barangay Arpiil, Balamban, Cebu 4061 Philippines Telephone: +63 32 465 0068  Fax: +63 32 333 2263  Email: josephmichaelsantos@aboitizland.com (General Manager)  Website: www.aboitizland.com	West Cebu Industrial Park is a 169.92 ha development located in Balamban, 1 hour by road northwest of Cebu City in Cebu province, Region VII. Balamban's population is about 80,000.  Latitude: 10.4701667, Longitude: 123.6943889	Balamban is a Philippine shipbuilding center, and this SEZ is geared towards this industry and its supporting industries. WCIP features amenities such as guest accommodations, a convenience store, ATM machines, and recreational areas. It is an enclosed facility for security purposes. The surrounding area has schools, hospitals and bank branches.	WCIP is a joint venture developed and operated by the Aboitiz Group and Tsunehishi Holdings of Japan. Japanese firms locating here are 1) Tsunehishi subsidiaries include Tsunehishi Heavy Industries Cebu, Inc. (THIC), a manufacturer of bulk and cape size vessels 2) Asian Craft Cebu, Inc.(ACCI) , a manufacturer of various ship outfitting and crane parts 3) Cebu Asiatic Shipping and Port Services, Inc. (CASPI) which provides harbor services and painting works 4) Tsunetsetsu (Cebu), Inc. which provides machinery outfitting 5) T&H Furnishings , a manufacturer of furniture and fixtures for ship' s accommodation 6) Tsunehishi Technical Services, Phils., Inc. which provides ship design and engineering design.	Name and Address: Aboitiz Land Inc., Signal Trading Building, No. 1 Paseo Saturnino, Maria Luisa Road, Banilad, Cebu City 6000 Philippines  Telephone: +63 32 411 1600, +63 32 411 1623 Fax: +63 32 232 0395  Email: aboitizland@aboitiz.com  Website: www.aboitizland.com	This SEZ has a 250 cum./day sewage treatment plant, a security guardhouse and towers featuring CCTV, a 58 MVA Power substation with a 13.8 KV distribution line, and fiber-optic cable for broadband connections. It also has four helipads for airborne transportation. There are no major additions planned in the near future.	Name and Address: Tsunehishi Holdings of Japan / Tsunehishi Heavy Industries (Cebu subsidiary), West Cebu Industrial Park Special Economic Zone, Buayon, Balamban, Cebu 6041 Philippines Telephone: +63 32 333 2292 to 95  Email: Junichiro Tanaka (Shipbuilding General Manager), junichiro.tanaka@tsunehishi.com  Website: www.tsunehishi.co.jp; www.thici.com  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: 80% of joint venture in Tsunehishi Heavy Industries, Inc.

# Philippines

Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
									<p>Name and Address: Aboitiz Land Inc., Signal Trading Building, No. 1 Paseo Saturnino, Maria Luisa Road, Banilad, Cebu City 6000 Philippines</p> <p>Telephone: +63 32 411 1600; +63 32 411 1623</p> <p>Email: josephmichaelsantos@aboitizland.com (General Manager)</p> <p>Website: www.aboitzland.com</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: 20% of joint venture in Tsunemichi Heavy Industries, Inc.</p>
<b>XOPH34</b>	Canlubang Industrial Estate – Teleray Phase	1971 (original Calamba Industrial Park); 1983 (Teleray Phase).	<p>Name and Address: Teleray Investment and Development Corporation, Barangay-1 Ranch Canlubang Estate, Calamba City</p> <p>Telephone: +63 917 398 4709, +63 917 379 8025 (Corazon Tiong)</p> <p>Fax: Could not be confirmed from public information.</p> <p>Email: corazontiong@yahoo.com</p> <p>Website: Could not be confirmed from public information.</p>	<p>Canlubang is mainly an industrial area located 52 km and 52 minutes south of the Metro Manila area. It is within the province of Laguna in Region IV-A (CALABARZON)</p> <p>Latitude: 14.21072, Longitude: 121.16218</p>	<p>Canlubang Industrial Estate – Teleray Phase is one of the industrial parks developed by the Yulo family of Laguna together with Carmelray I and Carmelray II. Most of these were formerly agricultural (sugar) estates. Unlike Carmelray I and Carmelray II, however, Teleray is not a PEZA-designated special economic zone. Absent PEZA investment incentives, most locators here are Philippine firms.</p>	<p>There are three Japanese-invested companies here:</p> <ol style="list-style-type: none"> <li>1) Ebara Benguet Inc.</li> <li>2) Pilipinas Hino Inc.</li> <li>3) San Miguel Yamamura Corporation</li> </ol> <p>There are thus fewer Japanese firms located here than the national average.</p>	<p>Name and Address: Teleray Investment and Development Corporation, Barangay-1 Ranch Canlubang Estate, Calamba City</p> <p>Telephone: +63 917 398 4709, +63 917 379 8025 (Corazon Tiong)</p> <p>Email: corazontiong@yahoo.com</p> <p>Website: Could not be confirmed from public information.</p>	<p>The industrial estate is largely completed and there are no major additions planned in terms of infrastructure. However, there are still a number of lots for sale despite this industrial estate being three decades old.</p>	<p>Teleray Investment and Development Corporation, Barangay-1 Ranch Canlubang Estate, Calamba City</p> <p>Telephone: +63 917 398 4709, +63 917 379 8025 (Corazon Tiong)</p> <p>Email: corazontiong@yahoo.com</p> <p>Website: Could not be confirmed from public information.</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>
<b>XOPH35</b>	People's Technology Complex	2000	<p>Name and Address: Special Economic Zone, Madya, Carmona, Cavite</p> <p>Telephone: +63 46 430 1630/ 2099 (office of Mr. Edgar de Jesus, PTC Managing Director)</p> <p>Fax: +63 46 430 1530</p> <p>Email: ptc@peza.gov.ph, ptclai.sez@yahoo.com</p> <p>Website: Could not be confirmed from public information.</p>	<p>It is located in Carmona town. The complex is approximately 36 km south of Manila.</p> <p>Latitude: 14.319289, Longitude: 121.056042</p>	<p>People's Technology Complex was developed with the intention of generating employment opportunities and upgrade manpower skills for residents of Carmona. The park is equipped with basic amenities and is much secured. Municipal government is very active.</p>	<p>There are 60 firms operating in People's Technology Complex, out of which eight are Japanese owned.</p>	No publicly available information on developer.	The park does not have any plans to expand.	<p>Name and Address: Technology Livelihood Resource Center (TLRC) 103 Jose Abad Santos Street, Corner Lopez Jaena Street, San Juan City, Metro Manila.</p> <p>Telephone: +63 2 727 6205</p> <p>Email: Could not be confirmed from public information.</p> <p>Website: Could not be confirmed from public information.</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p> <p>Name and Address: Municipality of Carmona Carmona Municipal Hall, J.M. Loyola St., Brgy-4, Poblacion, Carmona, Cavite, Philippines 4116</p> <p>Telephone: +63 46 430 0817</p> <p>Email: lgucarmona@carmonagov.net</p> <p>Website: www.carmonagov.net</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p> <p>Name and Address: Philippine Economic Zone Authority, PEZA Building Roxas Boulevard corner San Luis Street Pasay City, Metro</p> <p>Telephone: +63 2 551 3436, +63 2 551 3438</p> <p>Email: info@peza.gov.ph</p> <p>Website: www.peza.gov.ph</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>

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Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
<b>XXS001</b>	Advanced Display Park	2002	Name and Address: JTC Corporation, The JTC Summit, 8 Jurong Town Hall Road, Singapore 609434  Telephone: +65 6560 0056 Fax: +65 6565 5301 Email: askjtc@jtc.gov.sg Website: www.jtc.gov.sg/Industries/Electronics/Pages/Advanced-Display-Park.aspx	The Advanced Display Park is located 18km North East of the CBD with an estimated travel time of 20 to 25 minutes into the city. The park is wedged between the Pasir Ris Wafer Fab Park, and the Tampines Wafer Fab Park. The park is within the eastern region of Singapore, and is within close proximity to the Tampines Regional Centre. This park benefits from the excellent road and rail links provided by the Tampines Expressway and Tampines MRT station.  Latitude: 1.3724, Longitude: 103.9494	The Advanced Display Park is a specialized park supplying the advanced display industry. The park uses a cluster model to maximize infrastructure and is 35 ha in size. The park has all the required infrastructure for the needs of companies including significant and modern water, energy and transportation infrastructure. It has the suitable environment for industries similar to wafer fabrication which needs significant and high quality water and electricity and minimal ground vibration. The park is located close to both Changi Airport which is 6km away and port facilities. Road and rail access is available with both the Tampines MRT station close by and the Tampines express way.	Two of the 8 companies within the park are Japanese (Toshiba Corp and Matsushita Electric Industrial Co.).	Name and Address: JTC Corporation, The JTC Summit, 8 Jurong Town Hall Road, Singapore 609434  Telephone: +65 6560 0056  Email: askjtc@jtc.gov.sg Website: www.jtc.gov.sg	The advanced display park is fully developed with no current plans to expand or further develop facilities. The amount of capital investment to develop the park is unknown.	Name and Address: JTC Corporation, The JTC Summit, 8 Jurong Town Hall Road, Singapore 609434  JTC is a statutory authority of the Singaporean government. JTC's parent agency is the Ministry of Trade and Industry.  Telephone: +65 6560 0056  Email: askjtc@jtc.gov.sg Website: www.jtc.gov.sg  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
<b>XXS002</b>	Airport Logistics Park of Singapore (ALPS)	2003	Name and Address: JTC Corporation, The JTC Summit, 8 Jurong Town Hall Road, Singapore 609434  Telephone: +65 6560 0056 Fax: +65 6565 5301 Email: Could not be confirmed from public information. Website: www.jtc.gov.sg/Industries/Logistics/Pages/Airport-Logistics-Park-of-Singapore.aspx	The ALPS is located 20km North East of the CBD with an estimated travel time of 20 to 30 minutes into the city. The Park is located next to the Changi Airfreight Centre and Changi Airport and is 26 ha in size. The park is a designated free trade zone and allows rapid access to airfreight services.  Latitude: 1.3592, Longitude: 103.9894	The ALPS is a specialized logistics and freight park and the first of its kind in Singapore, offering a free trade zone. The park is set up to allow quick and direct access to Changi Airport. The park offers reduced cycle times, administrative and manpower costs associated with import and export procedures through its free trade status. The park does not have easy access to shipping facilities and thus the park deals almost exclusively with airfreight and airlogistics. The park is 26 ha.	Two of the 18 companies within the park are Japanese (Nippon Express and KWE Kintetsu World Express). Nippon is one of the biggest investors in the park and has so far invested USD 58 million in the ALPS and plans to make further investments to improve capabilities.	Name and Address: JTC Corporation, The JTC Summit, 8 Jurong Town Hall Road, Singapore 609434  Telephone: +65 6560 0056  Email: askjtc@jtc.gov.sg Website: www.jtc.gov.sg	The park was a joint project between JTC, the Changi Airport Group and the Civil Aviation Authority of Singapore. The cost of the initial set up and infrastructure development was SGD 35 million. The government aimed to create a highly competitive logistic area providing the free trade status to increase the parks appeal. The park has infrastructure including access to roads, water, energy and the airfreight terminal. There are no current plans for further development within the park.	Name and Address: JTC Corporation, The JTC Summit, 8 Jurong Town Hall Road, Singapore 609434  JTC is a statutory authority of the Singaporean government. JTC's parent agency is the Ministry of Trade and Industry.  Telephone: +65 6560 0056  Email: Could not be confirmed from public information. Website: www.jtc.gov.sg  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
<b>XXS003</b>	Ang Mo Kio Industrial Park	1978	Name and Address: HDB Hub, 3rd storey Atrium, Industrial Properties Group, 480 Lorong 6 Toa Payoh, Singapore 310480	Located in Singapore's North-East Region, the industrial cluster spreads through Ang Mo Kio and Serangoon North residential areas and along the Central Expressway. It comprises of	The industrial estate is currently zoned for B1 (light and clean industry) and B2 (general industry) use. It comprises mainly of single storey terrace workshop blocks, including 4-	There 17 known Japanese firms in the Ang Mo Kio Industrial Parks.	Name and Address: HDB Hub, 3rd storey Atrium, Industrial Properties Group, 480 Lorong 6 Toa Payoh, Singapore 310480	HDB has an ongoing relocation exercises to free up land in AKM Park for higher intensity development by relocating tenants in polluting industries to new industrial premises and by	Name and Address: Ascendas, 61 Science Park Road, #04-01 The Galax, Singapore Science Park II, Singapore 117525  Telephone: +65 6542 1122  Email: Could not be confirmed from public information. Website: www.caas.gov.sg Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.

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Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
			<p>Telephone: 1800 8663077</p> <p>Fax: Could not be confirmed from public information.</p> <p>Email: ipg@mail@hdb.gov.sg</p> <p>Website: www.hbiz.gov.sg</p>	<p>three clusters. Ang Mo Kio Industrial Park I &amp; II.</p> <p>AMK I: Latitude: 1.358219, Longitude: 103.85627</p>	<p>storey and 7 storey industrial shops, and multi-storey motor workshop complex. Ang Mo Kio Industrial Park I comprises of single storey terrace workshop blocks which were built in 1978 to 1979, housing a total of 192 units. There are 9 blocks of such workshop blocks in total. Typical unit floor size is about 116 sqm. Ang Mo Kio Industrial Park 2 comprises a mix of 4-storeys industrial workshops and single storey terrace workshops, housing a total of 632 units. Typical unit floor size is about 116 sqm.</p>	<p>Telephone: 1800 8663077</p> <p>Email: ipg@mail@hdb.gov.sg</p> <p>Website: www.hdb.gov.sg</p>	<p>clustering tenants from closely related trades within the same industrial development. According to the current Master Plan (2008), there are future plans to free up more land for business uses at the AMK industrial park. In 2011 the Urban Redevelopment Authority (URA) launched an industrial site for sale by public tender, in order to free more space for development. A light industrial B1 development building (304 units) is expected to open by 2018, while a development of a new factory block with ancillary F&amp;B space should be completed by 4Q of 2013.</p>	<p>Telephone: +65 6774 1033</p> <p>Email: ascendas@ascendas.com</p> <p>Website: www.ascendas.com</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p> <p>Name and Address: Mapletree Industrial Trust, 10 Pasir Panjang Road #13-01, Mapletree Business City, Singapore 117438</p> <p>Telephone: +65 6377 8000</p> <p>Email: industrial@mapletree.com.sg</p> <p>Website: www.mapletreeindustrialtrust.com</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p> <p>Name and Address: HDB HUB, 3rd storey Atrium, 480 Lorong 6 Toa Payoh, Singapore 310480</p> <p>Telephone: 1800 8663077</p> <p>Email: ipg@mail@hdb.gov.sg</p> <p>Website: www.hbiz.gov.sg</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p> <p>Name and Address: Sim Lian Group, 205 Upper Bukit Timah Road #02-01, Singapore 588181</p> <p>Telephone: +65 63036200</p> <p>Email: Could not be confirmed from public information.</p> <p>Website: www.simlian.com.sg</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>	
<b>XXS004</b>	Ayer Rajah Industrial Estate	Could not be confirmed from public information.	<p>Name and Address: JTC Corporation, The JTC Summit, 8 Jurong Town Hall Road, Singapore 609434</p> <p>Telephone: +65 6560 0056</p> <p>Fax: +65 6565 5301</p> <p>Email: askjtc@jtc.gov.sg</p> <p>Website: www.jtc.gov.sg</p>	<p>The Ayer Rajah Industrial Estate is located in Queens Town, Singapore's Central Region. It is placed within in close proximity to the Western Technology Corridor where the Science Park, one-north, National University of Singapore and INSEAD are located. Placed next to the Ayer Rajah Expressway, the industrial cluster is easily accessible by public transportation.</p> <p>Latitude: 1.296635, Longitude: 103.787364</p>	<p>Ayer Rajah Industrial Estate is used for Business / Science Park rental and sale. Equipped with high rise flatbed factories, the estate is also home of JTC's Ayer Rajah Technopreneur Centre, a modernized structure open to companies engaged in information technology and software development for industrial applications; electronics, microelectronics, telecommunications and electrical systems; manufacturing technology; food and flavoring technology; materials technology; and non-hazardous chemical and life sciences technology.</p>	<p>Japanese firms in the Ayer Rajah Industrial Estate roughly represent 3% of the business directory.</p>	<p>Name and Address: JTC Corporation, The JTC Summit, 8 Jurong Town Hall Road, Singapore 609434</p> <p>Telephone: +65 6377 8000</p> <p>Email: askjtc@jtc.gov.sg</p> <p>Website: www.jtc.gov.sg/</p>	<p>The development of Mediapolis Phase 0 began in 2011 in the Ayer Rajah Industrial Estate. It is positioned to be an incubator for start-ups and budding entrepreneurs with facilities conducive for test-bedding and prototyping of innovative media concepts. Media Development Authority (MDA), SingTel Innov8 and NUS Enterprise have signed on as anchor tenants at the location, and will work together to manage the facility to foster IDM-related start-ups, investors, technology incubators and industry partners. To support these initiatives, MDA and SingTel Innov8 will commit an initial sum of up to SGD2 million each over three years.</p>	<p>Name and Address: JTC Corporation, The JTC Summit, 8 Jurong Town Hall Road, Singapore 609434</p> <p>Telephone: +65 6560 0056</p> <p>Email: askjtc@jtc.gov.sg</p> <p>Website: www.jtc.gov.sg/</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>
<b>XXS005</b>	Bedok Industrial Park	1983	<p>Name and Address: HDB Hub, 3rd storey Atrium, Industrial Properties Group, 480 Lorong 6 Toa Payoh, Singapore 310480</p> <p>Telephone: 1800 8663077</p> <p>Fax: +65 6490 1033</p> <p>Email: hdbmailbox@hdb.gov.sg</p> <p>Website: www.hdb.gov.sg</p>	<p>Bedok Industrial Park is located 16km east of the CBD with an estimated travel time of 20 minutes. The park is located in the eastern part of Singapore, 6km away from Changi Airport and 36km from Jurong Port. The park is bordered by Bedok NewTown and Tampines.</p> <p>Latitude: 1.3240, Longitude: 103.9300</p>	<p>Bedok Industrial Park is a general industry area with sufficient infrastructures including roads, power and water supplies. The park has a mix of private owned spaces, government owned spaces through the HBD (Housing and Development Board), a controlling body within most of the park) and also spaces managed by Mapletree and groups such as the Bedok Industrial Park Association who report to the HDB. It has a 8 storey industrial complex with 308 units. Each unit has typical unit size from 191 to 267sqm.</p>	<p>Japanese companies are very well represented in Bedok with 10 of the 60+ companies in the Park.</p> <p>Known Japanese Companies:            1) CMK Singapore (Pte.) Ltd.            2) Fujitec Singapore Corp., Ltd.            3) Hitachi Chemical (Singapore) Pte.Ltd.            4) Hitachi Consumer Products(S) Pte. Ltd. (Kato 5) Spring (Singapore) Pte. Ltd, Matsushita            5) Electronic Components(S) Pte. Ltd.            7) Matsushita Electronics (S) Pte. Ltd.,            8) Matsushita Refrigeration Industries (S) Pte. Ltd.            9) Yamauchi Singapore Pte. Ltd.            10) Yokogawa Electric Asia Pte. Ltd.</p>	<p>Name and Address: HDB Hub, 3rd storey Atrium, Industrial Properties Group, 480 Lorong 6 Toa Payoh, Singapore 310480</p> <p>Telephone: 1800 8663077</p> <p>Email: ipg@mail@hdb.gov.sg</p> <p>Website: www.hdb.gov.sg</p> <p>Name and Address: Mapletree Investments Pte Ltd, 10 Pasir Panjang Road, #13-01, Mapletree Business City, Singapore 117438</p> <p>Telephone: +65 6377 6111</p> <p>Email: industrial@mapletree.com.sg</p> <p>Website: www.mapletree.com.sg</p>	<p>The park is fairly old but has had a number of upgrades with continued investment by the government through HDB and private industry, with the last redevelopment occurring in 2008. In the five year outlook there are no current plans to upgrade or further develop the park. However this is subject to a yearly review by the HDB. There is no information on the level of capital HDB invested in the park. Mapletree bought its Bedok facilities for close to SGD 100 million.</p>	<p>Telephone: +65 6490 1111</p> <p>Email: hdbmailbox@hdb.gov.sg</p> <p>Website: www.hdb.gov.sg</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p> <p>Name and Address: Mapletree Investments Pte Ltd, 10 Pasir Panjang Road, #13-01, Mapletree Business City, Singapore 117438</p> <p>Telephone: +65 6377 6111</p> <p>Email: industrial@mapletree.com.sg</p> <p>Website: www.mapletree.com.sg</p>



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									<p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p> <p>Name and Address: Bedok Industrial Park E Association, Block 2013, Bedok Industrial Park E #03-2084, Singapore 489979</p> <p>Telephone: +65 6441 1704</p> <p>Email: enquiries@bipea.org.sg</p> <p>Website: ww.bipea.org.sg</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>
XXSQ06	Henderson Industrial Park	1987	<p>Name and Address: Henderson Industrial Park, 202-219 Henderson Road, Singapore 159546</p> <p>Telephone: Could not be confirmed from public information.</p> <p>Fax: Could not be confirmed from public information.</p> <p>Email: Could not be confirmed from public information.</p> <p>Website: Could not be confirmed from public information.</p>	<p>Henderson Industrial Park is a commercial property located in District 03, Bukit Merah Town, Central Region of Singapore. Located approximately 5km away from the city centre, this cluster is accessible via the Central Expressway and the AYE Expressways. It is also served by Tiong Bahru MRT station and the Bukit Merah Bus Interchange. The Tiong Bahru neighborhood and Tiong Bahru Plaza are within close proximity.</p> <p>Latitude: 1.282203, Longitude: 103.8202</p>	<p>Henderson Industrial Park is primarily used for B1 (light and clean industry). It comprises of 10 blocks of light industrial buildings. With the most recent project redevelopments launched in August 2012, the park is seeking to add high-tech/modern light industrial units with lifestyle/recreation facilities such as swimming pool, gymnasium, spa and a futsal soccer court.</p>	<p>There are several Japanese companies operating at the Henderson Industrial Park (HIK):</p> <p>1) Amano Time &amp; Air Singapore Pte. Ltd.</p>	<p>Name and Address: Hong Fok Group, 300 Beach Road #41-00, The Concourse, Singapore 199555</p> <p>Telephone: +65 6292 8181</p> <p>Email: Could not be confirmed from public information.</p> <p>Website: www.hongfok.com.sg</p>	<p>Future plans include a proposed 9-Storey Multi-User Industrial Development, light industry expansion, at the Apex@Henderson, which is to complete by 2017.</p>	<p>Name and Address: Alexis Development Pte Ltd (Centurion Land Investment Pte Ltd &amp; 2 private individual owners)</p> <p>Telephone: Could not be confirmed from public information.</p> <p>Email: Could not be confirmed from public information.</p> <p>Website: Could not be confirmed from public information.</p> <p>Amount Contributed: SGD 99,280,000</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p> <p>Name and Address: Hong Fok Group, 300 Beach Road #41-00, The Concourse, Singapore 199555</p> <p>Telephone: +65 6292 8181</p> <p>Email: Could not be confirmed from public information.</p> <p>Website: www.hongfok.com.sg</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>
XXSQ07	Jurong Island Industrial Park	2009	<p>Name and Address: JTC Corporation, The JTC Summit, 8 Jurong Town Hall Road, Singapore 609434</p> <p>Telephone: +65 6560 0056</p> <p>Fax: +65 6565 5301</p> <p>Email: askjtc@jtc.gov.sg</p> <p>Website: www.jtc.gov.sg/RealEstateSolutions/Jurong-Island/Pages/default.aspx</p>	<p>Jurong Island Industrial Area is located 25km directly west of the CBD with an estimated travel time of 20 to 30 minutes. The industrial area is situated on the far South Western side of Singapore on 360,000 ha of reclaimed land.</p> <p>Latitude: 1.2672, Longitude: 103.7047</p>	<p>Jurong Island is a specialized energy and chemicals facility situated within the port of Singapore precinct. The island is 32 square km in size. Companies are vertically integrated and served by the common-shared facilities to create synergy and efficiency. The park has facilities including plant-to-plant pipelines, a holistic security program screening all vehicles and personnel entering the park and two emergency and fire stations. The park is 50km away from the airport and has direct access to port facilities (the island has private and shared docking and port terminals).</p>	<p>With a total of 41 companies, 11 of them are Japanese.</p> <p>Companies:</p> <ol style="list-style-type: none"> <li>1) Asahi Kasei</li> <li>2) Dainippon Ink &amp; Chemicals</li> <li>3) Denka</li> <li>4) Mitsui Chemicals</li> <li>5) Mitsubishi Gas (JV partner in Polyxlenol)</li> <li>6) Kuraray Asia Pacific Pte. Ltd</li> <li>7) Sumitomo Chemical</li> <li>8) Teijin</li> <li>9) Toagosei</li> <li>10) Stella Chemifa</li> <li>11) Unimatec</li> </ol>	<p>Name and Address: JTC Corporation, The JTC Summit, 8 Jurong Town Hall Road, Singapore 609434</p> <p>Telephone: +65 6560 0056</p> <p>Email: askjtc@jtc.gov.sg</p> <p>Website: www.jtc.gov.sg</p>	<p>The park is not likely to expand but rather upgrades in terms of its facilities, logistic capabilities, energy, feedstock options and water availability. The initial direct development capital was SGD 7 billion. SGD 30 billion of fixed asset investments have come directly from companies operating with the park. A total of SGD 42 billion has been invested in the park up until this point. JTC is currently implementing Jurong Island Version 2.0, which will include a feasibility study on a second road link, building a barging terminal to provide safe movement of hazardous products in and out of Jurong Island.</p>	<p>Name and Address: JTC Corporation, The JTC Summit, 8 Jurong Town Hall Road, Singapore 609434</p> <p>JTC is a statutory authority of the Singaporean government, JTC's parent agency of the Ministry of Trade and Industry. The park was developed by JTC acting as the statutory organisation for the Ministry of Trade and Industry.</p> <p>Telephone: +65 6560 0056</p> <p>Email: askjtc@jtc.gov.sg</p> <p>Website: www.jtc.gov.sg</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p> <p>Name and Address: Ministry of Trade &amp; Industry, 100 High Street, #09-01 The Treasury, Singapore 179434</p> <p>Telephone: Could not be confirmed from public information.</p> <p>Email: Could not be confirmed from public information.</p> <p>Website: www.mti.gov.sg/Pages/home.aspx</p> <p>Amount Contributed: Could not be confirmed from public information.</p>

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Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
XXSQ08	Kaki Bukit Industrial Estate	1996	Name and Address: Mapletree Investments Pte Ltd, 10 Pasir Panjang Road, #13-01, Mapletree Business City, Singapore 117438  Telephone: +65 6377 6111 / +65 6377 8000 Fax: +65 6273 2753 Email: industrial@mapletree.com.sg Website: www.mapletree.com.sg	Kaki Bukit is located 10km east of the CBD with an estimated travel time of 20 minutes. The park is located on the eastern side of Singapore. The park is located 12km from Changi Airport and 32km from Jurong port facilities. The Estate is close to industrial estates at Kampong Ubi and Eunus Techpark and nearby housing estates and retail centres in Bedok NewTown. A MRT station is currently being built to serve the Kaki Bukit area.  Latitude: 1.3355, Longitude: 103.9074	Kaki Bukit, developed and maintained by Mapletree, is a general industrial area and is suitable for companies operating in clean and light industries. The park has all the necessary infrastructure including roads, power and water supplies. Key features of the development include ample loading/unloading bays with cargo lifts, in-compound car parking facilities and covered pedestrian walkways which link the buildings. The estate is made up of 4 large buildings in a cluster configuration with gross floor area of 124,671sqm.	Four Japanese companies reside within the Estate. The number of companies in the estate is unknown. The level of these four companies investment in the park is unknown.  Companies: 1) Pilot Pen (S) Pte. Ltd 2) Tokyo Components (S) Pte. Ltd 3) Eye Lighting Asia Pacific Pte. Ltd 4) THK LM System Pte. Ltd	Name & Address: Mapletree Investments Pte Ltd, 10 Pasir Panjang Road, #13-01, Mapletree Business City, Singapore 117438  Telephone: +65 6377 6111  Email: industrial@mapletree.com.sg Website: www.mapletree.com.sg	There are no current plans to develop or upgrade the estate. Given that the area is catered for general industry, the infrastructure does not require high tech upgrades to maintain the competitiveness of the park. There is no information on the level of capital Mapletree invested in the park.	Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.  Name and Address: Mapletree Investments Pte Ltd, 10 Pasir Panjang Road, #13-01, Mapletree Business City, Singapore 117438 Mapletree is a private developer.  Telephone: +65 6377 6111  Email: industrial@mapletree.com.sg Website: www.mapletree.com.sg Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information. Name and Address: Ministry of Trade & Industry, 100 High Street, #09-01 The Treasury, Singapore 179434  Telephone: Could not be confirmed from public information. Email: Could not be confirmed from public information. Website: www.mti.gov.sg/Pages/home.aspx Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
XXSQ09	Kallang Basin Industrial Estate	Could not be confirmed from public information.	Name and Address: Mapletree Industrial Trust Management Ltd., 10 Pasir Panjang Road, #13-01, Mapletree Business City, Singapore 117438 Telephone: + 65 6377 6111 Fax: + 65 6273 2753 Email: industrial@mapletree.com.sg Website: www.mapletreeindustrialtrust.com	The Kallang Basin Precinct is located in District 12, Singapore's Central Region. It is surrounded by three major expressways and easy accessible to public transportation. Its strategic location positions it close to the neighboring Gaylang Bahru Industrial Estate and a 10 minutes' drive from the Central Business District.  Latitude: 1.316269, Longitude: 103.867954	The Kallang Precinct caters to companies in the light and clean industries. It mainly comprises of flatted factory buildings and amenity centers, which house multiple tenants/lessees sharing common facilities such as car parks, loading/unloading areas and cargo lifts.	Compared to other areas, a higher concentration of Japanese companies similar to Ayer Rajah and Ang Mo Kio industrial clusters. As of 2010, there are:  1) Elna Electronics Singapore Pte. Ltd. 2) Ibsiden Singapore Pte. Ltd. 3) Lion Corp. (S) Pte. Ltd. 4) Mesh Hi-Tech(Singapore) Pte. Ltd. 5) Mikro Int'l Test.Pet. Ltd. 6) Morimoto Manufacturing (Singapore) Co., Pte. Ltd. 7) Shimoda Electric (Singapore) Pte. Ltd. 8) Singapore Alpha Pte. Ltd. 9) Singapore Ishizaki Industries Pte. Ltd. 10) Singapore Kitamura (Ind) Pte. Ltd. 11) Teesc. Semiconductor Equipment (S) Pte. Ltd. 12) Trim-M Technologies Singapore, Ltd. 13) Walbro Singapore Pte. Ltd. 14) Z. Kuroda (Singapore) Pte. Ltd.	Name and Address: Mapletree Industrial Trust Management Ltd., 10 Pasir Panjang Road, #13-01, Mapletree Business City, Singapore 117438 Telephone: + 65 6377 8000  Email: industrial@mapletree.com.sg Website: www.mapletreeindustrialtrust.com	In July 2011, Mapletree Industrial Trust won a tender by JTC Corporation to acquire a portfolio comprising of 11 properties, including the Kallang Basin properties for a total of SGD 400.3 million. The SoildBuild also purchased portfolio of buildings from JTC. The properties, costing the Group SGD288.3 million, comprising of 10 blocks of flatted factories and amenity centers situated at Kallang Basin and other estates in Singapore.	Name and Address: JTC Corporation, The JTC Summit, 8 Jurong Town Hall Road, Singapore 609434 Telephone: +65 6560 0056  Email: askjtc@jtc.gov.sg Website: www.jtc.gov.sg/  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information. Name and Address: Mapletree Industrial Trust Management Ltd., 10 Pasir Panjang Road, #13-01, Mapletree Business City, Singapore 117438 Telephone: +65 6377 8000 Email: industrial@mapletree.com.sg Website: www.mapletreeindustrialtrust.com Amount Contributed: SGD 266,900,000  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information. Name and Address: Ascendas Land (Singapore) Ltd, 61 Science Park Road, #04-01 The Galen, Singapore Science Park II, Singapore 117525 Telephone: + 65 6508 8790 Email: ascendas@ascendas.com Website: http://www.ascendas.com Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information. Name and Address: SoildBuild Group Holdings Ltd, 25 Changi South Street 1, Singapore Telephone: +65 6542 2892 Email: enquiries@soildbuild.com Website: www.soildbuild.com Amount Contributed: Portfolio Total SGD 288,328,000 (2011)  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
XXSG10	Kampong Ubi Industrial Estate	1984	Name and Address: Mapletree Industrial Trust, 10 Pasir Panjang Road #13-01, Mapletree Business City, Singapore 117438	Kampong Ubi Ind Est (KUE) is sitting on the border of Singapore's Central and East Region. Positioned in the middle of the Ubi Industrial cluster and encompassed by the Kallang Paya	Kampong Ubi Ind Est comprises of two blocks of seven-storey light industrial buildings and a single-storey amenity centre with ample car park lots. Column-free units and	No information on the level of Japanese investment was available.	Name and Address: Mapletree Industrial Trust, 10 Pasir Panjang Road #13-01, Mapletree Business City, Singapore 117438	In 2011, Mapletree added the Kampong Ubi Industrial Estate to its assets as part of portfolio acquired from JTC, worth SGD 400.3 million. At that time, Ascendas' acquisitions in	Name and Address: JTC Corporation, The JTC Summit, 8 Jurong Town Hall Road, Singapore 609434

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Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
			<p>Telephone: +65 6377 8000</p> <p>Fax: + 65 6273 2753</p> <p>Email: industrial@mapletree.com</p> <p>Website: www.mapletreeindustrialtrust.com</p>	<p>Lebar and Pan Island Expressways, KUIE is within 9km from the City's Center and 15 min driving distance from the Chang Int. Airport. The estate is next to Ubi Tech Park, Paya Ubi Industrial Park and several others industrial developments.</p> <p>Latitude: 1.338494, Longitude: 103.894272</p>	<p>loading/unloading bays are located on the 7th storey and ground floor of each building. With the Ubi Tech Park and Paya Ubi Ind Park close by, the area is suitable for light industries such as R&amp;D, hi-tech manufacturing, test laboratories, product design &amp; development, telecommunications, data processing, software development, computer centers, industrial training and central distribution.</p>		<p>Telephone: + 65 6377 8000</p> <p>Email: industrial@mapletree.com.sg</p> <p>Website: www.mapletreeindustrialtrust.com</p>	<p>the area (Ubi BizHub, the Weltech, and the AzteTech) already totaled SGD 60 million. In 2013, JTC awarded tender for Industrial Site construction to BP-Ubi Industrial, which is worth SGD 16million. The new Oxley BizHub 1 &amp; 2, respectively 11 and 10-story light industrial buildings for B1 use, are going to provide 1000 units of light industrial space. So far, the developer Oxley Ascend Realty, has invested SGD 230 million and expects to complete the project by 2015.</p>	<p>Telephone: +65 6560 0056</p> <p>Email: askjtc@jtc.gov.sg</p> <p>Website: www.jtc.gov.sg</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p> <p>Name and Address: Mapletree Investments Pte Ltd, 10 Pasir Panjang Road, #13-01, Mapletree Business City, Singapore 117438</p> <p>Telephone: + 65 6377 8000</p> <p>Email: industrial@mapletree.com.sg</p> <p>Website: www.mapletreeindustrialtrust.com</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p> <p>Name and Address: Ascendas, 61 Science Park Road, #04-01 The Galen, Singapore Science Park II, Singapore 117525</p> <p>Telephone: +65 6774 1033</p> <p>Email: ascendas@ascendas.com</p> <p>Website: http://www.ascendas.com</p> <p>Amount Contributed: SGD 60,800,000</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p> <p>Name and Address: Oxley Ascend Realty Pte Ltd</p> <p>Contact through: Oxley Holdings, 50 Raffles Place #11-02, Singapore Land Tower, Singapore 048623</p> <p>Telephone: +65 6438 0202</p> <p>Email: info@oxley.com.sg</p> <p>Website: www.oxley.com.sg</p> <p>Amount Contributed: SGD 230,000,000</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p> <p>Name and Address: BP-Ubi Industrial Pte Ltd</p> <p>Contact through: Boustead Singapore Ltd, 67 Ubi Avenue 1, #02-01, StarHub Green, North Wing, Singapore 408942</p> <p>Telephone: +65 6747 0016</p> <p>Email: keith.chu@boustead.sg, Contact person Keith Chu, Head of Investor Relations</p> <p>Website: www.boustead.sg</p> <p>Amount Contributed: SGD 16,200,000</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>
XXSG11	Kolam Ayer Industrial Estate	1976	<p>Name and Address: Mapletree Industrial Trust Management Ltd., 10 Pasir Panjang Road, #13-01, Mapletree Business City, Singapore 117438</p> <p>Telephone: +65 6377 8000</p> <p>Fax: +65 6273 2753</p> <p>Email: industrial@mapletree.com.sg</p> <p>Website: www.mapletreeindustrialtrust.com</p>	<p>The Kolam Ayer Industrial Estate is near MacPherson neighbourhood, Singapore's Central Region, approximately 6 km from the city centre, district D13. The development is easily accessible by the Pan Island and the Kallang Paya Expressways. The Presinct is close to Potong Pasir, Mattar and Gaylang Bahru MRT stations, bordering the Kallang Way Industrial Estate, and close by the Kallang Ave Industrial Estate.</p> <p>Latitude: 1.325526, Longitude: 103.872482.</p>	<p>Kolam Ayer Industrial Estate is primarily used for B1(light and clean industry), use rent and sale, catering to the light and clean industries. The precinct is comprised of six flatbed factory buildings and three amenity centers, which are grouped into three clusters - Kolam Ayer 1, 2 and 5. The cluster development also provides loading/unloading bays with cargo lifts and car parking facilities. Its proximity to Kallang Way Industrial Estate and Kolam Ayer Industrial Park provides an additional number of industrial units.</p>		<p>Name and Address: Mapletree Industrial Trust Management Ltd., 10 Pasir Panjang Road, #13-01, Mapletree Business City, Singapore 117438</p> <p>Telephone: +65 6377 8000</p> <p>Email: industrial@mapletree.com.sg</p> <p>Website: www.mapletreeindustrialtrust.com</p>	<p>In 2011, the JTC corporation completed its second phase of divestment in the area. Mapletree (SGD167million) and Solbuild Group acquired buildings in the Kolam Ayer Industrial Estate - 10 blocks of flatbed factories and amenity centers situated at Kolam Ayer, and Tsai Seng wath SGD288million</p>	<p>Name and Address: JTC Corporation, The JTC Summit, 8 Jurong Town Hall Road, Singapore 609434</p> <p>Telephone: +65 6560 0056</p> <p>Email: askjtc@jtc.gov.sg</p> <p>Website: http://www.jtc.gov.sg/</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p> <p>Name and Address: Mapletree Industrial Trust Management Ltd., 10 Pasir Panjang Road, #13-01</p> <p>Telephone: +65 6377 6111</p> <p>Email: industrial@mapletree.com.sg</p> <p>Website: www.mapletreeindustrialtrust.com</p> <p>Amount Contributed: SGD 167, 300,000</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>

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Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
									<p>Name and Address: Soilbuild Group Holdings Ltd, 25 Changi South Street 1, Singapore Telephone: +65 6542 2882 Email: enquiries@soilbuild.com Website: www.soilbuild.com</p> <p>Amount Contributed: Portfolio Total SGD 288,328,000 (2011)</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p> <p>Name and Address: Ascendas Real Estate Investment Trust, 61 Science Park Road, #04-01 The Galen, Singapore Science Park II, Singapore 117525 Telephone: +65 6774 1033 Email: ascendas@ascendas.com Website: www.ascendas.com</p> <p>Amount Contributed: SGD 233,000,000</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>
XXSG12	Loyang Industrial Park	1990	<p>Name and Address: JTC Corporation, The JTC Summit, 8 Jurong Town Hall Road, Singapore 609434</p> <p>Telephone: +65 6560 0056 Fax: +65 6565 5301 Email: askjtc@jtc.gov.sg Website: www.jtc.gov.sg/RealEstateSolutions/Jurong-Island/Pages/default.aspx</p>	<p>Loyang Industrial Park is located 24km directly west of the CBD with an estimated travel time of 20 to 35 minutes. The park is located on the far north eastern side of Singapore. The park is located next to Changi Airport and has direct access to Loyang dock and port facilities. The park is located close to Pasir Ris NewTown, and bounded by the main road Loyang Avenue.</p> <p>Latitude: 1.3692, Longitude: 103.9700</p>	<p>Loyang is a general industrial area with the aviation industry being the main occupant due to its close proximity to the Changi airport. The park has all the necessary infrastructure including roads, power and water supplies. The park a mixture of private/JTC/Mapletree facilities thus lacking the organisation and benefits of centralized investment of other industrial parks. The area also includes the Loyang offshore supply base, a restricted area specialising in offshore petroleum services currently run by the Toll Group.</p>	<p>Just two of the park's 50+ companies are Japanese. The level of these two companies investment in the park is unknown.</p> <p>Companies: 1) Hitachi Chemical Asia-Pacific Pte. Ltd. 2) Murata Machinery Singapore Pte. Ltd.</p>	<p>Name and Address: JTC Corporation, The JTC Summit, 8 Jurong Town Hall Road, Singapore 609434</p> <p>Telephone: +65 6560 0056</p> <p>Email: askjtc@jtc.gov.sg Website: www.jtc.gov.sg</p>	<p>There are no current plans to develop or upgrade the park. Given that the area is catered for general industry, the infrastructure does not require high tech upgrades to maintain the competitiveness of the park. There is no information on the level of capital JTC invested in the park.</p>	<p>Name and Address: JTC Corporation, The JTC Summit, 8 Jurong Town Hall Road, Singapore 609434</p> <p>JTC is a statutory authority of the Singaporean government. JTC's parent agency of the Ministry of Trade and Industry.</p> <p>Telephone: +65 6560 0056</p> <p>Email: askjtc@jtc.gov.sg Website: http://www.jtc.gov.sg</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p> <p>Name and Address: Mapletree Investments Pte Ltd, 10 Pasir Panjang Road, #13-01, Mapletree Business City, Singapore 117438</p> <p>Telephone: +65 6377 6111 Email: industrial@mapletree.com.sg Website: http://www.mapletree.com.sg</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>
XXSG13	One-North	2001	<p>Name and Address: JTC Corporation, The JTC Summit, 8 Jurong Town Hall Road, Singapore 609434</p> <p>Telephone: +65 6560 0056 Fax: +65 6565 5301 Email: askjtc@jtc.gov.sg Website: www.jtc.gov.sg/RealEstateSolutions/Jurong-Island/Pages/default.aspx</p>	<p>One-north is located 11km north west of the Singapore CBD with an estimated travel time of 15 minutes. The park is located in Buona Vista and near educational and research institutes such as National University of Singapore (NUS), INSEAD and the Singapore Science Parks. It is also in close proximity to Holland Village. The park is 25km from the airport and 13km to Jurong port facilities.</p> <p>Latitude: 1.2993, Longitude: 103.7871</p>	<p>One-north specializes in R&amp;D and high technology activities in the biomedical sciences, Information and Communication Technology (ICT) and media industries. It is being developed progressively in several phases, over a period of 20 years. One-north is a 200 ha development designed to host a cluster of research facilities and business parks including biopolis, fusionopolis, mediaopolis, Vista Exchange and Pixel. The park has infrastructure services and amenities as well as extensive landscaping. One-north was designed by Zaha Hadid Architects and aims to be at the forefront of design within Singapore.</p>	<p>As one-north is still in development it is difficult to gather how many companies are operating within the park. However the two sub-parks Fusionopolis and Biopolis, which have been completed, have one Japanese company conducting R&amp;D (Takeda).</p>	<p>Name and Address: JTC Corporation, The JTC Summit, 8 Jurong Town Hall Road, Singapore 609434</p> <p>Telephone: +65 6560 0056</p> <p>Email: askjtc@jtc.gov.sg Website: www.jtc.gov.sg</p>	<p>The park is one of Singapore's largest development projects, with a USD 7 billion investment by JTC over the 20 years of development. The size of the project is enormous with considerable space for companies and continued development. Significant investments have been made within the park. For example Procter &amp; Gamble had invested SGD 250 million into a R&amp;D facility. The development of the Biopolis (first to be completed) sub-park costs USD 500 million, each different area developing in stages over the 20 year period.</p>	<p>Name and Address: JTC Corporation, The JTC Summit, 8 Jurong Town Hall Road, Singapore 609434</p> <p>JTC is a statutory authority of the Singaporean government. JTC's parent agency of the Ministry of Trade and Industry. The park was developed by JTC acting as the statutory organisation for the Ministry of Trade and Industry.</p> <p>Telephone: +65 6560 0056</p> <p>Email: askjtc@jtc.gov.sg Website: http://www.jtc.gov.sg</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p> <p>Name and Address: Ministry of Trade &amp; Industry, 100 High Street, #09-01 The Treasury, Singapore 179434</p> <p>Telephone: Could not be confirmed from public information. Email: Could not be confirmed from public information. Website: www.mti.gov.sg</p>

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Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
<b>XXSG14</b>	Singapore Science Park	1982	Name and Address: Ascendas Pte Ltd, 61 Science Park Road, #04-01 The Galen, Singapore Science Park II, Singapore 117525  Sharon Wong (Manager), Sales & Marketing, Customer Services and Solutions  Telephone: +65 6377 8000  Fax: +65 6778 4761  Email: sharon.wong@ascendas.com (leasing / sales enquiries)  Website: www.singaporesciencepark.com	The Singapore Science Park is located in Singapore's Central Region, Queenstown. It is surrounded by the National University of Singapore (NUS), National University Hospital (NUH) and one-north, Singapore's biomedical R&D hub. It is easily accessible through the Ayer Rajah Expressway and West Coast Highway, Kent Ridge MRT Station and other public transportation.  Latitude: 1.29139, Longitude: 103.78806	Specialized space arrangements and a variety of professional business services are Singapore Science Center's most distinguishable characteristics. First, it offers purpose-built office space for software development, IT, and other specialized industries such as media, medical, and educational institutions. Second, it offers consulting for business and financial planning, market intelligence, investment advisory, human capital re-orientation, etc. For instance, its iAxil Venture Acceleration Centre is tailored to satisfy the needs of early to later stage start-ups, entrepreneurs, and small-size companies. The Park is most suitable for: -Biomedical sciences -Information technology -Software development -Telecommunications -Electronics -Food technology -Flavors and fragrances -Materials and chemical The business spaces are classified as IT space, research space, specialized space and venture accelerator. For IT space of Science Park II and III, Science Park I consists of four 4-storey multi tenanted buildings. Science Park II consists of a 4 storey building with 2 inter-connecting blocks with research units from 80sqm and IT units from 110 sqm. There is also a 5 storey building with research units from approximately 70sqm up to 2000 sqm per floor and IT units from approximately 130sqm up to 2300 sqm. There is also another new 6 storey research building with unit size from approximately.	The population of Japanese firms relative to the total firms in the industrial area is less than 1%. Some of the companies, as of 2010, listed there are:  1) Fujitsu (Singapore) Pte. Ltd. 2) Fujitsu Ten (Singapore) Pte. Ltd. 3) Kenamatsu Information Systems 4) Nisse ASS Pte. Ltd. 5) Plantak International Pte. Ltd. 6) Shimadzu (Asia Pacific) Pte. Ltd. 7) Takasago International (Singapore) Pte. Ltd.  More recent and detailed information is not publically accessible. However, the Science Park's Japan Representative Office and the Yokohama World Business Support Center imply that the industrial area is catering to Japanese investment.	Name and Address: Ascendas Pte Ltd, 61 Science Park Road, #04-01 The Galen, Singapore Science Park II, Singapore 117525  Telephone: +65 6774 1033  Email: ascendas@ascendas.com  Website: www.ascendas.com/	Ascendas is a wholly-owned subsidiary of JTC Corporation. In 1990 Jurong Town Corporation, a government institution, established a subsidiary company Technology Parks Pte Ltd to manage the Singapore Science Park on a commercial basis. In the 90s, the developer began the construction of the Singapore Science Park II and opened the SGD12 million Science Hub, Singapore's first business and recreational hub for its corporate tenants. In the 2000s, the Science Park III opened with the completion of the Glen Building. In 2011, the developer commenced with revitalization plans, with the redevelopment of older research buildings in Science Park II. Ascendas, has continued to invest in energy efficiency of its buildings (SGD 10 million, as of 2011), and acquired land. The developers' future plans involve completing a new 7 story building for a Norwegian risk management company in the second quarter of 2013.	Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.  Name and Address: JTC Corporation, The JTC Summit, 8 Jurong Town Hall Road, Singapore 609434  Telephone: +65 6560 0056  Email: askjtc@jtc.gov.sg  Website: www.jtc.gov.sg  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.  Name and Address: Ascendas Pte Ltd, 61 Science Park Road, #04-01 The Galen, Singapore Science Park II, Singapore 117525  Telephone: +65 6774 1033  Email: ascendas@ascendas.com  Website: www.ascendas.com  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
<b>XXSG15</b>	Tai Seng Industrial Estate	2000	Name and Address: JTC Corporation, The JTC Summit, 8 Jurong Town Hall Road, Singapore 609434  Telephone: +65 6560 0056  Fax: +65 6565 5301  Email: askjtc@jtc.gov.sg  Website: www.jtc.gov.sg/RealEstateSolutions/Jurong-Island/Pages/default.aspx	Tai Seng Industrial Estate is located 10km east of the CBD with an estimated travel time of 15 minutes. The park is located in the central eastern part of Singapore. The park is located 15km away from Changi airport and 30km from Jurong Port. A new MRT station has opened in the heart of Tai Seng.  Latitude: 1.3558, Longitude: 103.8879	Tai Seng is a general industrial estate with a sub-estate that belongs to Jurong Town Corporation (JTC), Pava Leber iPark (PLIP), a hub for light manufacturing and lifestyle-related industries is also located within the industrial estate. The site area is 4336 sqm. The park is equipped with infrastructures including roads, power and water supplies. The estate is a mix of private owned spaces and JTC developed and managed areas. It is one of the few industrial areas in Singapore with easy and direct MRT access and the prices of strata factories, for instance, have jumped accordingly. Due to the establishment of MRT, companies develop shop fronts and technical centers alongside industrial facilities (eg. Apple repair centre, Yamaha Music Centre).	One of the parks 35+ companies are Japanese (yamaha). The level of investment by the company in the park is unknown. The estate has other MNC's such as DHL, Tata, UC, GEC, and CIT.	Name and Address: JTC Corporation, The JTC Summit, 8 Jurong Town Hall Road, Singapore 609434  Telephone: +65 6560 0056  Email: askjtc@jtc.gov.sg  Website: www.jtc.gov.sg	The Estate is still under a phase of expansion and upgrade with a number of new buildings and facilities being built. These include the new International HQ for BreadTalk Group which invested SGD 27 million, and a new facility for the Teckwah Industrial Corporation Ltd, which invested SGD 72.5 million. The Estate is undergoing landscaping and improvement in roads, water and energy infrastructures.	Name and Address: JTC Corporation, The JTC Summit, 8 Jurong Town Hall Road, Singapore 609434  JTC is a statutory authority of the Singaporean government, JTC's parent agency of the Ministry of Trade and Industry.  Telephone: +65 6560 0056  Email: askjtc@jtc.gov.sg  Website: http://www.jtc.gov.sg  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.  Name and Address: Ministry of Trade & Industry, 100 High Street, #09-01 The Treasury, Singapore 179434  Telephone: Could not be confirmed from public information.  Email: Could not be confirmed from public information.  Website: www.mti.gov.sg  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
<b>XXSG16</b>	Tampines Wafer Fab Park	1996	Name and Address: JTC Corporation, The JTC Summit, 8 Jurong Town Hall Road, Singapore 609434  Telephone: +65 6560 0056  Fax: +65 6565 5301  Email: askjtc@jtc.gov.sg  Website: www.jtc.gov.sg/Industries/Electronics/Pages/Tampines-Wafer-Fab-Park.aspx	The Tampines Wafer Fab Park is located 16km North East of the CBD with an estimated travel time of 20 to 25 minutes into the city. The park is wedged between the Pasir Ris Wafer Fab Park, and the Advanced Display Park. The park is located in the eastern region of Singapore, near the Tampines Regional Centre, where this park benefits from the excellent road and rail links provided by the Tampines Expressway and Tampines Mass Rapid Transit (MRT) station.  Latitude: 1.3724, Longitude: 103.9494	The Tampines Wafer Fab Park is a specialized park supplying the electronic industry through Wafer fabrication. The park has all the required infrastructure for wafer fabrication with access to water and energy. For industries that needs significant and high quality water and electricity, the park offers significant power facilities onsite with upgrades to energy facilities ongoing since 2011. The park is located close to both Changi airport 6km away and port facilities. The Tampines MRT station and the Tampines express way is also within close proximity. The Eastern part of Singapore is heavily invested in terms of infrastructure for the past few years to develop houses, communities and retail facilities to cater for the large industrial areas.	One of the 11 companies within the park are Japanese, Hitachi Semiconductor Singapore. It invested SGD 2.3 billion in 1996 to set up its facilities.	Name and Address: JTC Corporation, The JTC Summit, 8 Jurong Town Hall Road, Singapore 609434  Telephone: +65 6560 0056  Email: askjtc@jtc.gov.sg  Website: www.jtc.gov.sg	The park owned and run by JTC, has undergone continuous improvements since its foundation. A major upgrade to energy infrastructure started in 2011. The project seeks to maintain a consistent and considerable quantity of high quality electricity. The cost of creating the park and subsequent investment is not known. There are no current plans for further development within the park apart from the upgrades to energy infrastructure.	Name and Address: JTC Corporation, The JTC Summit, 8 Jurong Town Hall Road, Singapore 609434  JTC is a statutory authority of the Singaporean government, JTC's parent agency is the Ministry of Trade and Industry.  Telephone: +65 6560 0056  Email: askjtc@jtc.gov.sg  Website: www.jtc.gov.sg  Amount Contributed: Could not be confirmed from public information.

# Singapore

Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
XXSG17	Telok Blangah Industrial Estate	Could not be confirmed from public information.	Name and Address: Mapletree Investments Pte Ltd, 10 Pasir Panjang Road, #13-01, Mapletree Business City, Singapore 117438  Telephone: +65 6377 6111 Fax: +65 6273 2753 Email: industrial@mapletreeindustrial.com Website: www.mapletree.com.sg	Telok Blangah Industrial Estate is a commercial property located in District 03, Bukit Merah Town, Singapore's Central Region. The property is located on the northern side of Depot Road, and is approximately 5 km from the City Centre. A few minutes drive away are the Queenstown MRT Station, Ayer Rajah Expressway and Central Expressway, all of which provide easy access to other parts of Singapore.  Latitude: 1.283201, Longitude: 103.806102	Telok Blangah cluster comprises two seven-storey flatted factory buildings and an amenity centre. The flatted factories have a total of 306 units. The total gross floor area is 40,623 sqm and land area is 30,642 sqm. Each unit size ranges from 30 to 94 sqm. Telok Blangah Industrial Estate is primarily used for BI (light and clean industry), rental and sale. It was acquired by Mapletree in 2008.	Japanese firms, relative to total firms in the industrial area, represent 2% of the business population on site. Companies listed, as of 2010, are:	Name and Address: Mapletree Investments Pte Ltd, 10 Pasir Panjang Road, #13-01, Mapletree Business City, Singapore 117438  Telephone: +65 6377 6111  Email: industrial@mapletreeindustrial.com Website: www.mapletree.com.sg	In a series of divesting of a selected portfolio of high-rise ready-built properties in 2008, the property was acquired by Mapletree Investment. No information regarding future development of the industrial area was made available publicly.	Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information. Name and Address: JTC Corporation, The JTC Summit, 8 Jurong Town Hall Road, Singapore 609434  Telephone: +65 6560 0056  Email: askjtc@jtc.gov.sg Website: www.jtc.gov.sg Amount Contributed: Could not be confirmed from public information Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information Name and Address: Mapletree Investments Pte Ltd, 10 Pasir Panjang Road, #13-01, Mapletree Business City, Singapore 117438  Telephone: +65 6377 6111 Email: industrial@mapletreeindustrial.com Website: www.mapletree.com.sg Amount Contributed: Could not be confirmed from public information Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information
XXSG18	Toa Payoh Industrial Estate	1977 to 1983	Name and Address: HDB Hub, 3rd storey Atrium, Industrial Properties Group, 480 Lorong 6 Toa Payoh, Singapore 310480  Telephone: 1800 8663077 Fax: +65 68543498 Email: ipgmail@hdb.gov.sg Website: www.hbiz.gov.sg	Toa Payoh Industrial Estate is located in Toa Payoh New Town, Singapore's Central Region. Within the borders of District 12, the estate is approximately 9 km from the city center. The precinct is located near mature residential estates and provides tenants a wide range of amenities. It is accessible via major expressways, 2km away from the Central Expressway, it is next to Braddell MRT Station, and other industrial estates (2.4km from the Toa Payoh Industrial Park).  Latitude: 1.338322, Longitude: 103.859253	Based on Gazetted Master Plan 2008, the industrial estate is currently zoned for BI (light and clean industry). The Toa Payoh North Precinct comprises four flatted factory buildings, which are grouped into three clusters – Toa Payoh North 1, 2 and 3. Its close proximity to the Toa Payoh Industrial Park provides a total of 112 units of single storey terrace workshops and 423 units in 7–storey industrial shop blocks built in 1977 to 1983. A Typical terrace workshop floor size ranges from 100–600 sqm whilst a typical industrial shop unit ranges from 60–100 sqm. There are also currently 3 canteens in the estate.	The number of Japanese firms, relative to other industrial areas is 2%. The following companies were present at TPIE as of 2010:  1) Nemic-Lambda (S) Pte. Ltd. 2) RES Pte. Ltd. 3) River Electronics (Singapore) Pte. Ltd. 4) Toko Electronics Singapore (Pte) Ltd.  There are no Japanese companies located within the two parks.	Name and Address: Mapletree Investments Pte Ltd, 10 Pasir Panjang Road, #13-01, Mapletree Business City, Singapore 117438  Telephone: +65 6377 8000  Email: industrial@mapletree.com.sg Website: www.mapletreeindustrial.com	The cluster is currently undergoing asset enhancement to reposition itself as a high-tech industrial space, which is slated for completion by the fourth quarter of 2013. This involves the development of a new high-tech industrial building and an amenity block with multi-storey car park and showrooms.	Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information. Name and Address: JTC Corporation, The JTC Summit, 8 Jurong Town Hall Road, Singapore 609434  Telephone: +65 6560 0056  Email: askjtc@jtc.gov.sg Website: http://www.jtc.gov.sg/ Amount Contributed: Could not be confirmed from public information Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information Name and Address: Mapletree Investments Pte Ltd, 10 Pasir Panjang Road, #13-01, Mapletree Business City, Singapore 117438  Telephone: +65 6377 8000 Email: industrial@mapletree.com.sg Website: www.mapletreeindustrial.com Amount Contributed: SGD 73,500,000 Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information Name and Address: Housing Development Board, HDB Hub, 3rd storey Atrium, Industrial Properties Group, 480 Lorong 6 Toa Payoh, Singapore 310480  Telephone: 1800 8663077 Email: ipgmail@hdb.gov.sg Website: www.hbiz.gov.sg Amount Contributed: SGD 14.20 million Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information
XXSG19	Tuas Biomedical Park I/II	1998	Name and Address: JTC Corporation, The JTC Summit, 8 Jurong Town Hall Road, Singapore 609434  Telephone: +65 6560 0056 Fax: +65 6565 5301 Email: askjtc@jtc.gov.sg Website: www.jtc.gov.sg/RealEstateSolutions/Pages/Tuas-Biomedical-Park.aspx	Tuas Biomedical Parks I/II are located 32km West of the Central Business District (CBD) with an estimated travel time of 30 to 40 minutes by road. The parks are located within the Tuas area which is on the far South-Western tip of Singapore. The parks are 20 minutes away from Jurong Port and five minutes from the Tuas Checkpoint to Malaysia.  Latitude: 1.3364, Longitude: 103.6470	Tuas Biomedical Parks are specialized biomedical precincts hosting process development and manufacturing operations of major pharmaceutical, biotechnology and medical technology companies. Tuas Biomedical Park I spans 183 ha and Tuas Biomedical Park II covers 129 ha. The parks have spent SGD 6 million on landscaping. The park has facilities including roads, power lines, telecommunication lines, sewer pipes and water and gas supplies. Third parties are providing utilities such as steam, natural gas, chilled water and waste treatment services. The estate's "plug-and-play" allows rapid set up of operations with companies plugging straight into the infrastructures. The park is 50mins away from the airport, 20mins away from Jurong port facilities and close proximity to the Malaysian border. Lonza, GSK, Abbott and Novartis have all recently invested over SGD 750 million in		Name and Address: JTC Corporation, The JTC Summit, 8 Jurong Town Hall Road, Singapore 609434  Telephone: +65 6560 0056  Email: askjtc@jtc.gov.sg Website: www.jtc.gov.sg	The park is one of Singapore's largest biomedical parks. The park is not likely to expand (although contiguous land is available for the expansion needs) rather looking to consolidate the companies within a cluster, so they can enjoy economies of scale from sharing major infrastructure. The 183 ha Tuas Biomedical Park I and 129 ha Tuas Biomedical Park II were developed in 1998. The government has invested SGD 44 million and SGD 53 million into the Tuas Biomedical Parks I and II through JTC.	JTC is a statutory authority of the Singaporean government. JTC's parent agency of the Ministry of Trade and Industry.  Telephone: +65 6560 0056  Email: askjtc@jtc.gov.sg Website: www.jtc.gov.sg  Amount Contributed: Could not be confirmed from public information

# Singapore

Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
					facilities within the park.				<p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p> <p>Name and Address: Ministry of Trade &amp; Industry, 100 High Street, #09-01 The Treasury, Singapore 179434</p> <p>Telephone: Could not be confirmed from public information.</p> <p>Email: Could not be confirmed from public information</p> <p>Website: www.mti.gov.sg/Pages/home.aspx</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>
<b>XXSGZD</b>	Woodlands Industrial Park	1983-1985	<p>Name and Address: HDB HUB, 3rd storey Atrium, 480 Lorong 6 Toa Payoh, Singapore 310480</p> <p>Telephone: 1800 8663077</p> <p>Fax: +65 68543498</p> <p>Email: NKH4@hdb.gov.sg</p> <p>Website: www.hbiz.gov.sg</p>	<p>The industrial estate is located in Singapore's remote North Region, Woodlands Town, District 25. It is neighboring the Woodlands East Industrial Estate, North Coast Industrial Park, and Senoko Industrial Park. Although accessible by public transportation (Serbang, Woodlands, Admiralty MRT Stations), the closest express way is within 5km distance.</p> <p>Latitude: 1.452872, Longitude: 103.796082</p>	<p>Woodlands East Industrial Estate is a major cluster of new strata-titled industrial units and prototype standalone or semi-detached factories for rent and sale. It comprises 81 units of prototype factories and 1 eating houses. The factories are all ground level with typical unit sizes of 1620sqm. Trade activities carried out within the estate ranges from manufacturing from raw materials, assembly of plants and machinery, and treatment of waste oil/solvents. Based on Urban Redevelopment Authority's (URA) Master Plan 2008, the industrial estate is currently zoned for B2 (general industry) use.</p>	<p>There is no information on Japanese companies operating at the Woodlands Industrial Park D.</p>	<p>Name and Address: HDB HUB, 3rd storey Atrium, 480 Lorong 6 Toa Payoh, Singapore 310480</p> <p>Telephone: 1800 8663077</p> <p>Email: ipg@mail@hdb.gov.sg</p> <p>Website: www.hbiz.gov.sg</p>	<p>In 2011, an eight-storey 165-unit ramp-up factory was launched next to the industrial cluster. Based on current HDB Industrial Redevelopment Program (IRP), there are currently no plans to redevelop the estate within the next 5 years. However, as a result of recent government land sales, a new 8, 9 and a 10-storey ramp-up light industrial building are expected to open by the end of 2013 and 2014.</p>	<p>Name and Address: JTC Corporation, The JTC Summit, 5 Jurong Town Hall Road, Singapore 609434</p> <p>Telephone: +65 6560 0056</p> <p>Email: askjtc@jtc.gov.sg</p> <p>Website: http://www.jtc.gov.sg</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p> <p>Name and Address: Boon Keng Development Pte Ltd, 50 Bukit Batok Street, #08-22 Midview Building, Singapore 659576</p> <p>Telephone: Could not be confirmed from public information.</p> <p>Email: Could not be confirmed from public information.</p> <p>Website: Could not be confirmed from public information.</p> <p>Amount Contributed: SGD 65,200,000</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p> <p>Name and Address: Ascendas, 61 Science Park Road, #04-01 The Galen, Singapore Science Park II, Singapore 117925</p> <p>Telephone: +65 6774 1033</p> <p>Email: ascendas@ascendas.com</p> <p>Website: www.ascendas.com</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p> <p>Name and Address: Mapletree Industrial Trust Management Ltd., 10 Pairi Panjang Road, #13-01, Mapletree Business City, Singapore 117438</p> <p>Telephone: +65 6377 8000</p> <p>Email: industrial@mapletree.com.sg</p> <p>Website: www.mapletreeindustrialtrust.com</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p> <p>Name and Address: OKH Development Pte Ltd, 701 Sims Drive, #02-06, LHK Building, Singapore 387383</p> <p>Telephone: +65 6345 0544</p> <p>Email: Could not be confirmed from public information.</p> <p>Website: www.okh.com.sg</p> <p>Amount Contributed: SGD 156,083,821</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>

# Thailand

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Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
XXTH01	304 Industrial Park Prachinburi	1994	Name and Address: 200 Moo. 3, Kaohinson, Phanomrakram, Chachengsao, 24120  Telephone: +66 37 208650, +66 81 304 3041 Fax: +66 2 6591488 Email: iida_t#304industrialpark.com Website: www.304industrialpark.com	This park is 90 minutes from Laem Chabang Port and a similar distance from Nakorn Ratchasima, a significant source of labor. It is an hour from the international airport and 90 minutes from central Bangkok.  Latitude: 13.9154417, Longitude: 101.573975	Established nearly 20 years ago and with a sellable area of 4,800 Rai (768 ha) this park has become one of the leading industrial parks in the northeast region. The estate is 30 minutes away from the Khao Yai National Park. The mountains within the park protects the Estate from floods. Developers have included a hotel and a resort to cater to the needs of all visitors and tenants.	<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>  There are about 25 Japanese small and medium size tenants in the park. Japanese companies in the estate include Hitachi, GS Battery, Menu, Yanagawa and Thai Koto. Canon has started moving from Ayutthaya and has just opened and begun production in a 175 rai (28 ha) factory on site. The factory of CJ Paper (Thailand) Co.Ltd takes up nearly 1,000 rai (160 ha)	Name and Address: 304 Industrial park Co., Ltd 106 Moo. 7, Thatoom, Srinahaphot, Prachinburi 25140  Telephone: +66 37 208650, +66 81 304 3041  Email: iida_t#304industrialpark.com Website: www.304industrialpark.com	The industrial park has its own power plant with capacity of 406 megawatts with supplementary emergency power reserves from the Provincial Electricity Authority. There is a man-made reservoir with capacity of 36 million cubic meters on 1,200 Rai (180 ha) of land. The developer has been actively expanding its land bank acquisition in support of the ASEAN Southern Corridor Route. Occupancy at the moment is 60%.	Name and Address: 304 Industrial park Co., Ltd 106 Moo. 7, Thatoom, Srinahaphot, Prachinburi 25140  Directors: Mrs. Wichanee Karacharon, Mr. Winal Phetpong, Mrs. Siriphan Suchart, Mr. Watcharain Nisagomsen  Telephone: +66 37 208650, +66 81 304 3041  Email: iida_t#304industrialpark.com Website: www.304industrialpark.com/en/index.php Amount Contributed: Could not be confirmed from public information. Percentage/Ratio of Contribution Compared to Total Capital Contributions: Registered capital BHT 830 million.
XXTH02	304 Industrial Park Chachengsao	2001	Name and Address: 200 Moo. 3, Kaohinson, Phanomrakram, Chachengsao, 24120  Telephone: +66 38 855222 Fax: +66 38 855220 Email: meathasit_vil#304industrialpark.com  Website: www.304industrialpark.com/en/industrial_parks /chachengsao/	This park is 25 kilometers from the Original 304 Park and as such closer to Bangkok. Sixty mins from Laem Chabang Port and 2 hours major labor sources. It is an hour from the International airport and 90 mins from central Bangkok.  Latitude: 13.715833, Longitude: 101.463056	Developed with an Eco Industrial Town philosophy, this park offers a BOI 7 years tax exemption for corporate income.  There is also an exemption of import taxes on materials used in the manufacturing of goods for export. Electrical Resources: Own power plant with a capacity of 50 megawatts with supplementary emergency power reserves from the Provincial Electricity Authority. Water Resources: Reservoir with a capacity of 6 million cubic meters 6,000 Rai with saleable area of 1,700 Rai Developed after the success of the original 304 project.	There are two major Japanese tenants in Kubota Group. The base for all of Kubota's engine manufacturing in Thailand is in this park. Kubota is a bellwether manufacturer and has a number of ancillary suppliers in its group at this site. This investment was made due to the success of Japanese factories in the original 304 park at Prachinburi. Several other small Japanese investors have invested and set up here.	Name and Address: 304 Industrial Park 2 Co., Ltd.  Telephone: +66 38 855222  Email: Could not be confirmed from public information. Website: www.304industrialpark.com/en/industrial_parks /chachengsao/	This developer has already registered several other company names, with 304 Industrial Park 7 until 304 Industrial Park 10 at different addresses, which along with BOI info, seems to denote that they intend to expand to further parks in this region of business. The Registered capital of these companies is 55 million baht. Present occupancy is 40%	Name and Address: 304 Industrial Park 2 Co., Ltd.  Telephone: +66 38 855222  Email: Could not be confirmed from public information. Website: www.304industrialpark.com/en/industrial_parks /chachengsao/ Amount Contributed: Could not be confirmed from public information. Percentage/Ratio of Contribution Compared to Total Capital Contributions: Registered capital of BHT 595 million.
XXTH03	Amata Nakorn Industrial Estate	1989	Name and Address: 700/2 Moo 1, Bang-na Trail Road, Km 57, Klong Tamru, Muang, Chonburi 20000  Telephone: +66 3845 7002 4 Fax: +66 3845 7005 Email: marketing@amata.com Website: www.amata.com	Amata Nakorn Industrial Estate is Amata Corp's flagship estate. The Estate is located in Rayong province, 57km from Bangkok, 42km from Suvarnabhumi International Airport and 46km from Laem Chabang Deep-Sea Port.	Amata Nakorn is well situated between the Eastern Seaboard industrial region and Bangkok. The main clusters are automotive, electronics, consumer goods and other light industry. This Estate falls under BOI Zone II investment incentives with financial assistance from the Industrial Estate Authority of Thailand (IEAT). The Estate spans 7,460 acres.	The Estate has a very-high level of Japanese investment. Japanese firms account for 61% of all current operators at Amata Nakorn. Of the 514 factories, 308 are Japanese.	Name and Address: Amata Corporation Plc. 700 Moo 1, Klong Tamru, Muang, Chonburi 20000  Telephone: +66 3821 0007  Email: marketing@amata.com Website: www.amata.com	Amata Corporation is in healthy financial standing. Its net profit has grown more than 3 times since 2009. The same goes with earnings per share. The Phase 2 construction of Amata City is nearly finished. Amata has also seen significant growth in its land sale of the Estate in 2012, which doubled the figures in 2011 and 2010. Amata Nakorn continues to grow as its land sales doubled in 2012 from its previous year. Amata Nakorn began its Phase 2 construction in 2012 which encompasses 3,252 acres. Construction is not yet completed.	Name and Address: Amata Corporation Plc. 700 Moo 1, Klong Tamru, Muang, Chonburi 20000 (Formerly known as Bangpakong Industrial Park 2 Plc.)  Telephone: +66 3821 0007  Email: marketing@amata.com Website: www.amata.com Amount Contributed: BHT 600 million Percentage/Ratio of Contribution Compared to Total Capital Contributions: 50%
XXTH04	Amata City Industrial Estate - Choburi	1995	Name and Address: Amata City Industrial Estate - Choburi, 7 Moo 3, 331 Road, Bowin, Siracha, Chonburi, 20230  Telephone: +66 3834 6007 Fax: +66 3834 5771 Email: marketing@amata.com Website: www.amata.com	Amata City is Rayong and Chonburi provinces, Eastern Thailand. The Estate is 114 km from Bangkok; 99 km from Suvarnabhumi International Airport; and 27 km from Laem Chabang Deep-Sea Port.	Amata City Industrial Estate is eligible for maximum tax privileges and incentives from Thailand's Board of Investment (BOI). Investors are allowed to own land freehold and enjoy import duty, VAT and excise tax exemption. Cyber Factories (ready-built factories with Information and Communication Technology services) are available for SMEs. Main clusters include light industry, automotive, electronics and consumer goods.	The industrial park has a high-level of Japanese investment. Japanese firms account for 37% of all factories present at Amata City, mostly are in automotive and electronic clusters. The total number of customers as of 2013 is 94, out of which 33 are Japanese. There was no information on how many of these firms were in Chonburi versus Rayong.	Name and Address: Amata Corporation Plc. 700 Moo 1, Klong Tamru, Muang, Chonburi 20000  Telephone: +66 3821 0007  Email: marketing@amata.com Website: www.amata.com	Amata Corporation is in healthy financial standing. Its net profit and earnings per share has grown more than 3 times since 2009. The Estate sits on 3,343 acres of land in Chonburi and Rayong (including those under development). The Phase 2 construction of Amata City is nearly completed. Amata has also seen significant growth in its land sale of the Estate in 2012, which doubled in figures in 2010 and 2011.	Name and Address: Bang Pakong Industrial Park 2 Co. Ltd. (now known as Amata Corporation Plc.). 700 Moo 1, Klong Tamru, Muang, Chonburi 20000  Telephone: +66 3821 0007  Email: marketing@amata.com Website: www.amata.com Amount Contributed: 300 million Baht Percentage/Ratio of Contribution Compared to Total Capital Contributions: 60% Name and Address: Siam Commercial Bank, 9 Ratchadapisek Road, Jatujak, Bangkok 10900 Telephone: +66 2544 1000 Email: Could not be confirmed from public information. Website: www.scb.co.th Amount Contributed: Could not be confirmed from public information. Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.



# Thailand

Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
				Latitude: 12.9780556, Longitude: 101.1447222					<p>Name and Address: ECI Group Co. Ltd., 28th Floor, C. P. Level 313 Silom Road, Bangkok, Bangkok 10500</p> <p>Telephone: +66 2231 0221</p> <p>Email: Could not be confirmed from public information.</p> <p>Website: www.cpthailand.com</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p> <p>Name and Address: Sahat Pathanasabul Plc., 2156 New Petchaburi Road, Bangkok 10310</p> <p>Telephone: +66 2318 0062</p> <p>Email: info@sahapat.co.th</p> <p>Web: www.sahapat.co.th</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p> <p>Name and Address: International Cosmetics Plc., 530 Sathupradit 58 Road, Bang Pong Pang, Yannawa, Bangkok 10120</p> <p>Telephone: +66 2293 9300</p> <p>Email: Could not be confirmed from public information.</p> <p>Website: www.icc.co.th</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>
XXTH06	Amata City Industrial Estate – Rayong	1995	<p>Name and Address: Amata City Industrial Estate – Rayong, 7 Moo 4 &amp; 6, Mabyangporn, Pluak Daeng, Rayong 21140</p> <p>Telephone: +66 3834 6007</p> <p>Fax: +66 3834 5771</p> <p>Email: marketing@amata.com</p> <p>Website: www.amata.com</p>	Amata City is Rayong and Chonburi provinces, Eastern Thailand. The Estate is 114 km from Bangkok; 99 km. from Suvarnabhumi International Airport; and 27 km. from Laew Chabang Deep Sea Port.	Amata City Industrial Estate is eligible for maximum tax privileges and incentives from Thailand's Board of Investment (BOI). Investors are allowed to own land freehold and enjoy import duty, VAT and excise tax exemption. Cyber Factories (ready-built factories with Information and Communication Technology services) are available for SMEs. Main clusters include light industry, automotive, electronics and consumer goods.		<p>Name and Address: Amata Corporation Plc. 700 Moo 1, Klong Tamru, Muang, Chonburi 20000</p> <p>Telephone: +66 3821 0007</p> <p>Email: marketing@amata.com</p> <p>Website: www.amata.com</p>	Amata Corporation is in healthy financial standing. Its net profit and earnings per share has grown more than 3 times since 2009. The Estate sits on 3,343 acres of land in Chonburi and Rayong (including those under development). The Phase 2 construction of Amata City is nearly completed. Amata has also seen significant growth in its land sale of the Estate in 2012, which doubled in figures in 2010 and 2011.	<p>Name and Address: Bang Pakong Industrial Park 2 Co. Ltd. (now known as Amata Corporation Plc.), Amata Corporation Plc., 700 Moo 1, Klong Tamru, Muang, Chonburi 20000</p> <p>Telephone: +66 3821 0007</p> <p>Email: marketing@amata.com</p> <p>Website: www.amata.com</p> <p>Amount Contributed: BHT 300 million</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: 60%</p> <p>Name and Address: Siam Commercial Bank, 9 Ratchadapisek Road, Jatuak, Bangkok 10900</p> <p>Telephone: +66 2544 1000</p> <p>Email: Could not be confirmed from public information.</p> <p>Website: www.scb.co.th</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p> <p>Name and Address: ECI Group Co. Ltd., 28th Floor, C. P. Level 313 Silom Road, Bangkok 10500</p> <p>Telephone: +66 2231 0221</p> <p>Email: Could not be confirmed from public information.</p> <p>Website: www.cpthailand.com</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p> <p>Name and Address: Sahat Pathanasabul Plc., 2156 New Petchaburi Road, Bangkok 10310</p> <p>Telephone: +66 2318 0062</p> <p>Email: info@sahapat.co.th</p> <p>Web: www.sahapat.co.th</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>
				Latitude: 12.9780556, Longitude: 101.1447222					<p>Name and Address: ECI Group Co. Ltd., 28th Floor, C. P. Level 313 Silom Road, Bangkok 10500</p> <p>Telephone: +66 2231 0221</p> <p>Email: Could not be confirmed from public information.</p> <p>Website: www.cpthailand.com</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p> <p>Name and Address: Sahat Pathanasabul Plc., 2156 New Petchaburi Road, Bangkok 10310</p> <p>Telephone: +66 2318 0062</p> <p>Email: info@sahapat.co.th</p> <p>Web: www.sahapat.co.th</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>

# Thailand

Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
									Name and Address: International Cosmetics Plc., 530 Sathupradit 58 Road, Bang Pong Pang, Yannawa, Bangkok 10120  Telephone: +66 2293 9300 Email: Could not be confirmed from public information. Website: www.icc.co.th Amount Contributed: Could not be confirmed from public information.  Percentage/ Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
<b>XXTH06</b>	Bor-Thong Industrial Zone	2010	Name and Address: 89 Moo 4, Nongsang-Wangtakian, Bor-Thong Prachinburi 25110  Telephone: +66 2434 4333 Fax: +66 2434 0618 Email: Could not be confirmed from public information. Website: Could not be confirmed from public information.	Bor-Thong Industrial Zone is located in Prachinburi province, Eastern Thailand. The Zone is 173km from Bangkok, 162km from Suvarnabhumi International Airport, 173km to Laem Chabang Deep-Sea Port and 35km to Prachinburi City.  Latitude: 13.9841666, Longitude: 101.7866666	Bor-Thong Industrial Zone is situated in eastern Thailand. Following the major flood in 2011 more investors are looking towards Prachinburi. The Zone is in the process of applying for BOI Zone 3 investment incentives and tax privileges (as of 2012). The main clusters are textile, machinery and light industry.	The estate has a low level of Japanese investment. There are approximately 51 factories. Four of these are Japanese firms, representing 16% of all factories.	Name and Address: Bor-Thong Industrial Zone Co. Ltd., 147/235, Baromrachachonanee Rd. Bangkok-noi, Bangkok 10700 Telephone: +66 2434 4333  Email: Could not be confirmed from public information. Website: Could not be confirmed from public information.	Bor-Thong covers 578 acres. Currently Bor-Thong Zone has 387 acres of land for sale, which constitutes to 67% of total land space. Bor-Thong Industrial Zone has no plan to expand its industrial complex. It is waiting for investment incentive and tax supports from BOI.	Name and Address: No publicly available information on capital contributors.  Telephone: +66 2719 9555, +66 2719 9546 Email: marketing@hemaraj.com Website: www.hemaraj.com  Amount Contributed: Could not be confirmed from public information.  Percentage/ Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
<b>XXTH07</b>	Chonburi Industrial Estate Hemaraj (Bo Win)	1989	Name and Address: 331/8-0 Moo 6, Bowin, Si Racha, Chonburi, Thailand 20230  Telephone: +66 3895 4543 4 Fax: +66 3834 5233 Email: sales@hemaraj.com Website: www.hemaraj.com	Hemaraj Chonburi (Bowin) is located in Chonburi province in Eastern Thailand. The Park is 110km from Bangkok, 85km from Suvarnabhumi International Airport, 20km from Laem Chabang International Port and 35km from Chonburi City.  Latitude: 13.0705556, Longitude: 101.0847222	Hemaraj Chonburi is one of Thailand's first industrial estates. It encompasses 1,784 acre, 184 of which is Free Zone. It is one of the first industrial parks that use the strategy of industrial clusters. For Hemaraj Chonburi, the main clusters are: exports, electronics, auto parts, steel, and energy. The Estate offers ready-built factories and logistic parks. This particular Estate also has electricity station.	The estate has a medium-level of Japanese investment. There are 57 operators (as of 2012) of which 12 are Japanese firms, representing 21% of all factories. Most firms are in the production of steel and electronic parts.	Name and Address: Hemaraj Land and Development Plc., 18th Floor, UM Tower 9 Rankhamhaeng Road, Suangluang, Bangkok 10250 Telephone: +66 2719 9555, +66 2719 9546  Email: marketing@hemaraj.com Website: www.hemaraj.com	Hemaraj Chonburi operates at 85% capacity, with 15% free space (1/4 in Free Zone). Hemaraj Land and Development Plc., which operates seven industrial estates, has a healthy balance sheet, strong growth and continued future plan of expansion. Its earnings per share grew four times between 2008-2012 and it has significantly increased net income, operating revenue and cash flow. This Park is complete and there is no plan to expand this area. New investors have been buying up land in the park since January 2013 and one of which is a Japanese company.	Name and Address: Hemaraj Land and Development Plc., 18th Floor, UM Tower 9 Rankhamhaeng Road, Suangluang, Bangkok 10250 Telephone: +66 2719 9555, +66 2719 9546 Email: marketing@hemaraj.com Website: www.hemaraj.com  Amount Contributed: Could not be confirmed from public information.  Percentage/ Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
<b>XXTH08</b>	Hemaraj Eastern Seaboard Industrial Estate (EISE)	1994	Name and Address: 112 Moo 4 Highway 331 Km. 91.5 Pluak Daeng, Rayong 21140  Telephone: +66 3895 4543 4 Fax: +66 3895 4545 Email: marketing@hemaraj.com Website: www.hemaraj.com	Hemaraj ESIE and ESIE are located in Pluak Daeng District, Rayong Province, and covers an area of 6,995 acres with access to Highways 3138 and 331 respectively. ESIE is 117km from Bangkok, 86km from Suvarnabhumi International Airport, 30km from Laem Chabang Deep-Sea Port and 29km from Pattaya City.  Latitude: 13.0587444, Longitude: 101.1984166	Hemaraj ESIE is located in Rayong province, Eastern Thailand. The Estate is most known for its clusters of automotive companies, mostly Japanese, as well as other factories of electronic parts, plastic, polymer and logistics. ESIE is qualified for BOI Zone 2, 3 and Free Zone (424 acres) privileges targeted for export manufacturing. It also has more than 200 ready-built factories. The Estate is one of the largest in Thailand with more than 570 factories, 332 clients and more than 150 of them are automotive manufacturers. The park covers 7,000 acres.	The estate has a high-level of Japanese investment. Japanese firms account for approximately 30% of all customers, which are about 100 companies.	Name and Address: Hemaraj Land & Development Public Co. Ltd., 18th Fl. UM Tower, 9 Rankhamhaeng Rd., Suangluang, Bangkok 10250 Telephone: +66 2719 9555  Email: marketing@hemaraj.com Website: www.hemaraj.com	Currently EISE operates at 87%, which leaves a 13% space availability. Hemaraj is in the process of expanding the Estate to attract more export-oriented clients, particularly following the great floods in central Thailand.	Name and Address: Hemaraj Land & Development Public Co. Ltd., 18th Fl. UM Tower, 9 Rankhamhaeng Rd., Suangluang, Bangkok 10250 Telephone: +66 2719 9555 Email: marketing@hemaraj.com Website: www.hemaraj.com  Amount Contributed: Could not be confirmed from public information. Percentage/ Ratio of Contribution Compared to Total Capital Contributions: 60%
<b>XXTH09</b>	Gateway City Industrial Estate	1989	Name and Address: Plaeng Yao District, Chachoengsao, Thailand  Telephone: +66 2302 2300 Fax: +66 2302 2400 Email: info@gatewaycity.net Website: www.gatewaycity.net	The location of this estate is half way between Prachinburi and Laem Chabang.  Latitude: 13.6196917, Longitude: 101.3242056	The park's location make it a suitable center for automotive manufacturing and a major hub for Toyota and Isuzu who have developed their clusters in close proximity. All service facilities in the industrial park are provided onsite. Gateway City has also created supporting facilities, residential, commercial and recreational area for the people who work in the park. These accommodations are categorized in levels to meet the needs of various tenants, including expatriates. A number of different levels of accommodation are also available on site. The park provides 24-hour security. Firms that invest in the park qualify for incentives under BOI promotion zone 2.	There are about 20 Japanese Companies located in the industrial park. Isuzu and Toyota take up almost 50% of the 3,251 rai (520 ha) land space in the industrial estate.	Name and Address: MDX Public Co., Ltd., 12A Floor Column Tower, 159 Ratchadapisek Road, Klongtoey, Bangkok 10110, Thailand Telephone: +66 2302 2300  Email: info@gatewaycity.net Website: www.gatewaycity.net/index.html	The developers seem to be satisfied with their foray into the industrial estate business and have ventures into private power generation project in ASEAN. Occupancy rate is at 60% at the moment.	Name and Address: Siam Food Products Co. Ltd., 195 Empire Tower 43rd Fl. 20 South Sathorn Rd., Yannawa, Sathorn, Bangkok 10120 Telephone: +66 2287 7000 Email: exec.off@siamfood.co.th Website: www.siamfood.co.th  Amount Contributed: Could not be confirmed from public information.  Percentage/ Ratio of Contribution Compared to Total Capital Contributions: 40%
<b>XXTH10</b>	Hemaraj Chonburi Industrial Estate II	2012	Name and Address: Could not be confirmed through public information	The industrial park is located in Chonburi near the existing Hemaraj Chonburi Industrial Estate which is in close proximity (5-10 km) of at least 20 other Industrial Estates. The Estate is less than 30km from Laem Chabang Port, in	This brand new Estate covers a land area of 487 rai (75 ha), and is part of the acquisition and expansion of 2,000 rai (320 ha) that Hemaraj has planned for this year. Hemaraj welcomes all industries to invest in the park.	No recorded Japanese investors at this time, but the estate is new. A large promotion effort for this park was made in Japan in April, a clear sign of the park's desire to attract Japanese tenants.	Name and Address: Hemaraj Land and Development Public Company Limited, 18th Floor, UM Tower 9 Rankhamhaeng Road, Suangluang, Bangkok 10250, Thailand	While this estate is new, it is established to cater for the spillover from the existing Hemaraj Chonburi Industrial Estate, which is currently 85% full. The sales of land will be available in August or September of 2013.	Name and Address: Hemaraj Land and Development Public Company Limited, 18th Floor, UM Tower 9 Rankhamhaeng Road, Suangluang, Bangkok 10250, Thailand

# Thailand

Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
			Telephone: +66 2 719 9555 Fax: +66 38 345233 Email: marketing@hemaraj.com Website: Could not be confirmed through public information	the middle of a automotive cluster. Latitude and longitude information was not publicly available.	As Hemaraj has a history of attracting Japanese firms to their parks, especially automotive firms, this is likely to be a target market for this park.		Telephone: +66 2 719 9555  Email: marketing@hemaraj.com Website: www.hemaraj.com	Infrastructure and facilities at this park will be on the same advanced level and of the same high quality as other Hemaraj parks.	Telephone: +66 2 719 9555  Email: marketing@hemaraj.com Website: www.hemaraj.com  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
XXTH11	Hemaraj Eastern Seaboard Industrial Estate	2006	Name and Address: 121 Moo 3, Tasith Sub-district, Pluak Daeng District, Rayong, 21140  Telephone: +66 38 950475 6 Fax: +66 38 950477 Email: marketing@hemaraj.com Website: www.hemaraj.com/page/industrial_hemaraj_eastern_seaboard_industrial_estate.asp	The estate is 5km north of the Eastern Seaboard Industrial Estate (Chonburi), Hemaraj ESIE and ESIE are located in Pluak Daeng District, Rayong Province, and comprise an area of 17,469 rai (6,995 acres or 2,799 ha) with access from Highways 3138 and 331, respectively. The two industrial estates are approximately 30 kilometers from the Laem Chabang deep-sea container port and Sri Racha city.  Latitude: 13.0660278, Longitude: 101.1889027	This relatively new estate is in a location which favors the automotive industry. The Estate is eligible for subsidies under BOI Zone III, Zone II and Free Zone. The Free Zones located at Hemaraj ESIE provide companies that manufacture primarily for export with additional tax and duty privileges. The area is under the supervision of the Customs Department of Thailand. The Estate provides comprehensive industrial estate operations management as well as extensive commercial, one-stop service, training and other facilities.	There are at least 20 Japanese companies situated in the industrial park. Hemaraj's automotive cluster consists of over 154 automotive part manufacturers of which 25 belongs to Toyota Group. There is also a large Suzuki factory and a number of ancillary factories that are involved in the automotive industry.	Name and Address: Hemaraj Land And Development Public Company Limited, 18th Floor, UM Tower 9 Ramkhamhaeng Road, Suanluang, Bangkok 10250, Thailand  Telephone: +66 2 719 9555  Email: marketing@hemaraj.com Website: www.hemaraj.com/page/industrial_hemaraj_eastern_seaboard_industrial_estate.asp	The infrastructure at Hemaraj ESIE includes wide roads, power supply, availability of a range of communications networks, treated potable water, wastewater treatment facilities that meet environmental standards, and solid soil bearing capacity that averages 30 tons per square meter. The Estate is now 7 years old and 60% of it is occupied. According to available information as of 30 April 2013 they have 1,383 rai (205 ha) of land remaining for sale.	Telephone: +66 2 719 9555  Email: marketing@hemaraj.com Website: http://www.hemaraj.com/page/industrial_hemaraj_eastern_seaboard_industrial_estate.asp  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
XXTH12	Hemaraj Rayong Industrial Land	1995	Name and Address: 222 Moo 11 Ban Khai-Nong La Lok, Ban Khai District, Rayong, Thailand  Telephone: +66 2 719 9555 Fax: Could not be confirmed through public information Email: marketing@hemaraj.com Website: www.hemaraj.com/page/industrial_royong_industrial_land.asp	Hemaraj RIL is located in Ban Khai District, Rayong Province, approximately 150km southeast of Bangkok and 22km from the Map Ta Phut deep sea port.  Latitude: 12.8318278, Longitude: 101.2343083	This Estate includes a number of Siam Cement Group companies and joint ventures. It is primarily involved in a group of industries that focus on non-specific manufacturing. Hemaraj RIL offers high-quality infrastructure on this 3,438 rai (520 ha) of land, and is home to 30 customers, 36 factories. Incentives are offered to investors as per the terms of BOI zone 3. Firms presently operating in the estate are in the follow sectors: plastics & polymers, electronics, agricultural and consumer products, building materials and rubber.	No direct investment by Japanese customers. Consists of several incidental parts suppliers which supply Japanese companies.	Name and Address: Hemaraj Land And Development Public Company Limited, 18th Floor, UM Tower 9 Ramkhamhaeng Road, Suanluang, Bangkok 10250, Thailand  Telephone: +66 2 719 9555  Email: marketing@hemaraj.com Website: www.hemaraj.com	Hemaraj is a publicly listed company and is the largest developer of industrial parks in Thailand. Hemaraj is the largest supplier of industrial water providing 200,000 cum/day. They treat 100,000 cum of wastewater per day. Rayong Industrial Land has 2,566 rai (411 ha), 70% of which is occupied.	Name and Address: Hemaraj Land And Development Public Company Limited, 18th Floor, UM Tower 9 Ramkhamhaeng Road, Suanluang, Bangkok 10250, Thailand  Telephone: +66 2 719 9555  Email: marketing@hemaraj.com Website: www.hemaraj.com  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
XXTH13	Kabinburi Industrial Zone	2011	Name and Address: 444 Moo 9, Kabinburi-Korot Road Km. 12, Nongki, Kabinburi, Prachinburi 25110  Telephone: +66 3720 4337 44 Fax: +66 3720 4345 Email: sales@kabinburi.com Website: www.kabinburi.com	Kabinburi Industrial Zone is Prachinburi province, Eastern Thailand. Kabinburi is 165km from Bangkok, 145km from Suvarnabhumi International Airport, 170km from Laem Chabang Deep-Sea Port and 62km from Prachinburi City.	Kabinburi Industrial Zone is the newest industrial area within the clusters of industrial estates in Prachinburi Province. The park covers 1600 acres. Kabinburi is qualified for Board of Investment Zone 3 incentives and it is the closest Zone to Bangkok. The privileges include: 8-year corporate income tax exemption, exemption on import duties on machinery, 70% reduction on import duty on raw materials. Foreigners are allowed to own land and no export obligation for finished products.	The estate has a medium-level of Japanese investment. There are a total of 59 factories. Out of these 17 are Japanese firms, which represent 29% of all factories. Most factories are concentrated in light manufacturing, electronic parts, and plastic.	Name and Address: Kabinburi Industrial Zone Ltd, 77/84 Sinsathorn Tower, 21st Floor, Krungthongburi Road, Klongsan Bangkok 10600  Telephone: +66 2440 0900 3  Email: sales@kabinburi.com Website: www.kabinburi.com	Kabinburi Industrial Zone has completed its construction. The Zone is operating at 83% capacity with 17% space availability (277 acres). The Zone offers a one-stop shop for investors with its facilities complete with accommodation, shops, restaurants and nearby hospital, sport clubs, supermarkets, etc.	No publicly available information on capital contributors.
XXTH14	Lak Chai Rubber City Industrial Estate	2011	Name and Address: 238/9 Ratchadapisek Road, Huay Kwang Bangkok 10310  Telephone: +66 2274 1673 4 Fax: +66 2274 1675 Email: sales@tribeca.co.th Website: Could not be confirmed from public information.	The estate is located in Tambon Samnakong, Amphur Muang, Rayong. Latitude and longitude information was not publicly available.	This fairly new Estate covers a land area of 2,441 rai (361 ha) and its construction has been planned for a number of years. At this point in time, construction of the park has been completed. Investors have purchased property in the park and construction of factories has begun. A multi-level EIA has been completed and the final EIA approval is imminent, according to government contacts. The estate has been set up by one of the leading figures in Thailand's rubber industry, Mr Lakchai Kittiphon.	None recorded at this time, but the park is new.	Name and Address: Tri Becca Enterprise Co., Ltd., 238/9 Ratchadapisek Road, Huay Kwang Bangkok 10310  Telephone: +66 2274 1673 4  Email: tbc.tribeca@msn.com Website: www.k-rich.org/	While this estate is relatively new, it is catered towards the rubber industry, an industry where Thailand is the leading in the world. The complex will be supervised by the IEAT. All construction has been done according to IEAT standards. The complex will provide extra facilities, such as: - Reservoir capacity 3,680,000 cu.m. - Two stages of wastewater treatment - Sequence Batch Reaction + Constructed Wetland - Ten meters wide Protection strip	Name and Address: Tri Becca Enterprise Co., Ltd., 238/9 Ratchadapisek Road, Huay Kwang Bangkok 10310  Telephone: +66 2274 1673 4  Email: tbc.tribeca@msn.com Website: www.tribeca.co.th  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
XXTH15	Hemaraj Eastern Industrial Estate (Map Ta Phut)	1989	Name and Address: 18 Pakasongrohrt Road, Hua Pong, Muang, Rayong, 21150  Telephone: +66 3868 3963 Fax: +66 3868 3963 Email: sales@hemaraj.com Website: www.hemaraj.com	Hemaraj Map Ta Phut is located in the city (muang) of Rayong province in Eastern Thailand. The Estate is 155km from Bangkok, 12km from Suvarnabhumi International Airport, 2km from Map Ta Phut Deep Sea Port and 14km to Rayong City.  Latitude: 12.6988889, Longitude: 101.1352777	Hemaraj Map Ta Phut is among Thailand's first industrial estates with an area of 1,418 acre. This Park is adjacent to the National Petrochemical Complex, and wholly-owned Eastern Pipeline Services to provide pipe rack rental. Main clusters are: chemical, steel & heavy industry, power plant and high-utility consumption. Water and wastewater treatments are available. Map Ta Phut is a site of the most active protest by local residents and NGOs concerned over the Estate's environmental and health assessment. Hemaraj Map Ta Phut is 85% full and has 15% free space.	There are 51 factories and 40 customers. Five of these are Japanese firms, operating in mostly heavy industry and chemicals.	Name and Address: Hemaraj Land and Development Plc., 18th Floor, UM Tower 9 Ramkhamhaeng Road, Suanluang, Bangkok 10250  Telephone: +66 2719 9555, +66 2719 9546  Email: marketing@hemaraj.com Website: www.hemaraj.com	Hemaraj Chonburi is currently operating at 85% capacity, with 15% free space (1/4 in Free Zone). Hemaraj Land and Development Plc., which operates seven industrial estates, has a healthy balance sheet, strong growth and continued future plan of expansion. Its earnings per share grew four times between 2008-2012 and it has significantly increased net income, operating revenue and cash flow. There is no plan for further development until the legal issue is settled.	Telephone: +66 2719 9555, +66 2719 9546  Email: marketing@hemaraj.com Website: www.hemaraj.com

# Thailand

Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
									Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
XXTH6	Map Ta Phut Industrial Estate	1989	Name and Address: 1 I-1 Map Ta Phut, Rayong City, Rayong 21150 Telephone: +66 3868 3930, +66 3868 3127 Fax: +66 3868 3941 Email: maptaphut.1@ieat.go.th Website: www.mtpie.com	Map Ta Phut is located in Rayong province in Eastern Thailand. The Estate is 190km from Bangkok, 152km from Suvarnabhumi International Airport, and 1km from Map Ta Phut Deep Sea Port.	Map Ta Phut is among Thailand's earliest industrial estates. Its park spans 4,039 acres and it has 317 acres in free space for general industry. Its main clusters are chemical, heavy industry, steel and energy. Map Ta Phut is a site of the most active protest by local residents and NGOs concerned over the Estate's environmental impacts. In 2009, the Administrative Court revoked operation permits from 76 projects unless environmental safety is addressed.	The estate has a low-level of Japanese investment. There are 58 factories at Map Ta Phut. There are only two known Japanese clients in this Estate. The court decision in 2009 and continuous protests have halted additional Japanese investment in this estate.	Name and Address: Industrial Estate Authority of Thailand (IEAT), 618 Nikom Makkasan Rd. Ratchathewi, Makkasan, Bangkok 10400 Telephone: +66 2253 0561, +66 2252 9273  Email: Could not be confirmed from public information. Website: www.ieat.go.th	Due to pending legal issues with the environmental evaluation of Map Ta Phut area, there is no plan to expand the Estate at the moment.	Name and Address: Industrial Estate Authority of Thailand (IEAT), 618 Nikom Makkasan Rd. Ratchathewi, Makkasan, Bangkok 10400 Telephone: +66 2253 0561, +66 2252 9273  Email: Could not be confirmed from public information. Website: www.ieat.go.th  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
XXTH7	Pinthong Industrial Estate 1	1995	Name and Address: 789 Moo 1 Nongkroh-Laemchabang Road, Nongkham Sriracha Chonburi 20230  Telephone: +66 38 296334 7 Fax: +66 38 296333 Email: pinthong@pipestate.com Website: www.pipestate.com	The industrial estate is located 25 minutes from Eastern Seaboard Industrial Zone and 30 minutes from Pattaya. It is also located 10km away from the Laem Chabang Port in Chonburi province through highway route 331. The highway also connects it to Prachinburi, Nakorn Ratchasima and the Southern Corridor.  Latitude: 13.1195223, Longitude: 100.9990027	50% of the companies are in the local automotive cluster and in an area that enables just-in-time deliveries within hours if not minutes. The park is Japanese friendly with Japanese as the third language on their website and staff and facilities that Japanese companies would expect. The developer of this park, Pinthong Industrial Park Co. was founded 60 years ago. The first company in Pinthong Group was first established as a small metal trading business in the "Mahapratharam" area. Today the Pinthong Group consists of 23 companies in 4 business units, including Steel & Metal business unit, Industrial Parts business unit, Real Estate & Warehouse business unit and Transportation & Car Rental business unit, with the total registered capital of more than 2,200 million baht and employs more than 1,800 people.	Out of 68 total firms published as invested, there are at least 25 Japanese companies present. The developer has a good reputation and is popular with Japanese investors.	Name and Address: Pinthong Industrial Park Co. Ltd., 789 Moo 1 Nongkroh-Laemchabang Road, Nongkham Sriracha Chonburi 20230  Telephone: +66 38 296334 7 Fax: +66 38 296333 Email: pinthong@pipestate.com Website: www.pipestate.com	The park is an estimated 50% full. The success of this park and customer requests for more space to build their clusters led to the establishment of Pinthong 2 Park infrastructure includes: - Water supply system with a production capacity of 20,000 cubic meters/day and distribution capacity of 1,500 cubic meters/rai/day - Electrical power supply system with a distribution capacity of 10 MVA - Telephone system through provider TT&T Public Company Limited with 200 direct telephone lines - Road System in which primary roads are 30 meters wide and secondary roads are 24 meters wide	Name and Address: Pinthong Industrial Park Co. Ltd., 789 Moo 1 Nongkroh-Laemchabang Road, Nongkham Sriracha Chonburi 20230 Directors: Mr. Phira Patmaworakunchai, Mr. Suchin Piamwiriyakit, Mrs. Somi Duanggrathip, Mrs. Yaowapha Patmaworakunchai, Ms Rungthiwa Phaphannarat, Mr. Thawatchai Thianthongtip, Ms Nana Patmaworakunchai  Telephone: +66 38 296334 7  Email: pinthong@pipestate.com Website: www.pipestate.com  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
XXTH8	Pinthong Industrial Estate 2	1995	Name and Address: 150 Moo9, Nongkham, Sriracha, Chonburi, 20110  Telephone: +66 38 296334 7 Fax: +66 038-347005 Email: pinthong@pipestate.com Website: www.pipestate.com	Located 5km east of Pinthong 1 estate with direct access to highway route 331 which links it to Prachinburi, Nakorn Ratchasima and the Southern Corridor.  Latitude: 13.119225, Longitude: 101.0328584	This estate has been more successful than Pinthong 1. This estate sold out in record time and forced the developer to develop the Pinthong 2 estate. It was the start of a new automotive support cluster to feed the large number of automotive manufacturers in the area. Facilities in the park include:  - Medical service center - Bank branch - Post Office - Convenience store - Restaurants (Japanese, Italian, Thai) - Coffee shop	There are about 35 companies in this estate of which there are 20 Japanese companies.	Name and Address: Pinthong Industrial Park Co. Ltd., 789 Moo 1 Nongkroh-Laemchabang Road, Nongkham Sriracha Chonburi 20230  Telephone: +66 38 296334 7 Fax: +66 038 347005 Email: pinthong@pipestate.com Website: www.pipestate.com	The Estate is at least 75% full. Given its success, the developers have acquired additional land and established Pinthong 3. The estate offers accommodation for 1,000 people on site. It has an electricity power substation with a capacity of 50 MW, high voltage: 3 phase, 4 Lines, 115 KV, 22 KV, 10% of total park area is green parkland. All roads are reinforced concrete, 4 lanes and between 25- 30 meters wide. There is an activated sludge extended aeration, with a capacity of 2,400 M3/day.	Name and Address: Pinthong Industrial Park Co. Ltd., 789 Moo 1 Nongkroh-Laemchabang Road, Nongkham Sriracha Chonburi 20230 Directors: Mr. Phira Patmaworakunchai, Mr. Suchin Piamwiriyakit, Mrs. Somi Duanggrathip, Mrs. Yaowapha Patmaworakunchai, Ms Rungthiwa Phaphannarat, Mr. Thawatchai Thianthongtip, Ms Nana Patmaworakunchai  Telephone: +66 38 296334 7  Email: pinthong@pipestate.com Website: www.pipestate.com  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
XXTH9	Pinthong Industrial Estate 3	2008	Name and Address: Nong Kham, Tambon Bung, Sriracha, Chonburi 20230  Name and Address (Sales office): 150 Moo 9 Nongkham Sriracha, Chonburi 20110 Thailand  Telephone: +66 38 296334 7 Fax: +66 038 347005	The industrial estate is located 5km north of Hemara's Chonburi Industrial Estates, and 15km from Laem Chabang port facilities. In terms of transportation, it is 25 minutes away from Chonburi, Pattaya via route 36, 1 hour from Bangkok and 30 minutes from Pattaya.  Latitude: 13.10622, Longitude: 101.0668973	The industrial park is located adjacent to Pinthong 2 and within 5-10 km of about 10 other industrial estates that support the automotive industry. Built to satisfy the demand and overflow from the other two Pinthong estates, this estate backs on to the Sri Racha International Golf Club and Resort and is close to a significant number of Japanese restaurants and clubs designed for Japanese employees.	It is a new estate with no occupants as yet. However, the developer is Japanese friendly and caters to the automotive manufacturing industry.	Name: Pinthong Industrial Park Co. Ltd., 150 Moo 9 Nongkham Sriracha, Chonburi 20110 Thailand  Telephone: +66 38 296334 7	This is a new park. Firms have started booking and purchasing land. 50% of the total 1,391 rai (223 ha) has been sold since the start of 2013. Site preparations and construction has been completed. The developer has not provided specific information about facilities other than to say they will be at the same level and quality as Pinthong 1 and 2.	Name and Address: Pinthong Industrial Park Co. Ltd., 150 Moo 9 Nongkham Sriracha, Chonburi 20110 Thailand Directors: Mr. Phira Patmaworakunchai, Mr. Suchin Piamwiriyakit, Mrs. Somi Duanggrathip, Mrs. Yaowapha Patmaworakunchai, Ms Rungthiwa Phaphannarat, Mr. Thawatchai Thianthongtip, Ms Nana Patmaworakunchai  Telephone: +66 38 296334 7

# Thailand

Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
			Email: pinthong@pipestate.com Website: www.pipestate.com				Email: pinthong@pipestate.com Website: www.pipestate.com		Email: pinthong@pipestate.com Website: www.pipestate.com Amount Contributed: Could not be confirmed from public information. Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
XXTH20	Rojana Industrial Park	1995	Name and Address: 3/7 Moo 2, Ban Khai-Ban Bang Road (Highway No. 3138), Nongbua, Ban Khai, Rayong 21120  Telephone: +66 3896 1870 3 Fax: +66 3896 1875  Email: rojana@rojana.com Website: www.rojana.com	Rojana Rayong Industrial Park is located in Rayong province, Eastern Thailand. The Park is 145km from Bangkok, 100km from Suvarnabhumi International Airport, 32km from Map Ta Phut Port, and 22km from Rayong City.  Latitude: 12.8733334, Longitude: 101.3188889	Rojana Rayong focuses on chemicals, textiles and electronic parts. The Estate provides duty exemption on machinery import, imported raw materials and essential parts for manufacturing; exemption on corporate income tax for 8 years and double deduction on transportation, electricity and water. It also provides ready-built factories. The park covers 2876 acres.	Japanese clients represent 56% of all clients at this facility. There are 10 Japanese factories out of the total 18. The estate spans across 400 ha of land.	Name and Address: Rojana Industrial Park Public Co. Ltd., 2034/115 Itaihai Tower, 26th Floor New Phetchaburi Road, Bangk Kapi, Huai Khwang, Bangkok 10310  Telephone: +66 2716 1750 8  Email: rojana@rojana.com Website: www.rojana.com	Rojana, the developer, is building Rojana Rayong 2 in Phluk Dang district of Rayong to supplement the current Rayong Estate in Ban Khai. The second Rojana Rayong park will target Japanese investors specifically. The company was hit hard by the flood in 2011, which affected their main Estate in Ayudhya badly, resulting in massive fiscal loss. Rojana will offer Japanese firms to relocating some of them to their Rayong parks.	Name and Address: Vinichburi Group.  Telephone: +66 2716 1750 8  Email: rojana@rojana.com Website: www.rojana.com Amount Contributed: BHT 42,700,000 Percentage/Ratio of Contribution Compared to Total Capital Contributions: 61%  Name and Address: Sumikin Bussan Kaisha Co. Ltd. (Sumitomo Group)  Telephone: +81 3 5166 5000 Email: info@sumitomocorp.co.jp Website: http://www.sumitomocorp.co.jp/ Amount Contributed: BHT 27,300,000 Percentage/Ratio of Contribution Compared to Total Capital Contributions: 39%
XXTH21	Saha Group Industrial Park Prachinburi	1989	Name and Address: 1 Moo 5, Nonsi, Kabinburi, Prachinburi 25110  Telephone: +66 3848 0444 Fax: +66 3848 0505 Email: info@spi.co.th Website: www.spi.co.th	Saha Group Industrial Park is located in Kabinburi, Prachinburi in Eastern Thailand. The estate is 183km from Bangkok, 155km from Suvarnabhumi International Airport, 168km from Laem Chabang Deep-Sea Port and 40km from Prachinburi City. The main clusters at this estate are light industry and consumer goods.	Saha Group Industrial Park is one of the first parks in Kabinburi. The Park qualifies for BOI Zone 3 privileges: 8-year corporate income tax exemption, exemption on import duties on machineries, 75% reduction on import duty on raw materials. Foreigners are allowed to own land and no export obligation for finished products. The park covers 1380 acres.	The estate has a medium-level of Japanese investment. There are a total of 33 factories at Saha Group Industrial Park. Out of these, 7 are Japanese factories, which represent 21% of all factories. The Park currently has 5 factory units available out of the total 14.	Name and Address: Sahat Pathanapibul Plc. 2156 New Petchaburi Road, Bangkok 10310  Telephone: +66 2318 0062  Email: info@sahapat.co.th Website: www.sahapat.co.th	Sahapat Group is one of Thailand's leading distributors of consumer goods and has been in operation for 80 years. Sahapat Group Industrial Park is but a fraction of their overall business operation which brings in 28 billion Baht in revenue in 2012. Sahapat built 3 industrial parks initially to house most of their own consumer goods production, which consists of more than 30,000 products.	Name and Address: Saha Pathana Inter-Holding Pcl. (subsidiary of Sahapat Group), 2156 New Petchaburi Rd. Bangkapi Huakwang, Bangkok 10310  Telephone: +66 3848 0444  Fax: +66 3848 0505 Web: www.spi.co.th Amount Contributed: BHT 2 billion (the latest expansion in 2008) Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
XXTH22	Siam Eastern Industrial Park	1996	Name and Address: 60 Moo 3, Mabyangpoom Plaakdaeng, Rayong 21140  Telephone: +66 3889 1165 Fax: +66 3889 1950 Email: chitsuphang@siameastern.com Website: www.siameastern.com	Siam Eastern Industrial Park is located in Rayong province, Eastern Thailand. The estate is 134km from Bangkok, 118km from Suvarnabhumi International Airport, 35km from Laem Chabang Deep-Sea Port and 49km from Rayong City.  Latitude: 13.0127778, Longitude: 101.1286667	Siam Eastern receives BOI Zone 3 privileges. These include corporate income tax exemption for 8 years, import duty exemption on raw and essential materials used in export production. The park covers 530 acres.	The estate has a high-level of Japanese investment. Japanese firms account for 57% of all firms at Siam Eastern. There are a total of 30 factories, 17 of which are Japanese.	Name and Address: Siam Eastern Industrial Park Co. Ltd., 888/8 Moo 5, Srinakarin Road, Sumrong Nua, Muang, Samutprakarn 10270 Telephone: +66 2385 7550 4  Email: kalaya@siameastern.com Website: Could not be confirmed from public information.	Siam Eastern is rolling out new "mini factory" that is ready-built for SMEs. To complement this, it offers SME office space as well. The park is also building new accommodation space for workers.	Name and Address: No publicly available information on capital contributors.
XXTH23	Suranaree Industrial Zone	1987	Name and Address: 149 Moo 3, Ratchasima-Chokchai, Nongbuaasala, Muang, Nakhon Ratchasima 30000  Telephone: +66 4421 2111 3 Fax: +66 4421 2128 Email: siz2551@gmail.com Website: www.suranaree.com	Suranaree Industrial Zone is located in Nakhon Ratchasima, the biggest province in northeastern Thailand. The zone is 273km from Bangkok, 277km from Suvarnabhumi International Airport, 305km from Laem Chabang Deep-Sea Port and 10km from Nakhon Ratchasima City.  Latitude: 14.9180556, Longitude: 102.1611111	Suranaree is the first industrial zone in northeastern Thailand. Following the major flood in 2011 in central Thailand, some investors are looking to move their production to the northeastern region to avoid floods. The zone enjoys Board of Investment Zone 3 privileges, which include exemptions in import duties for machinery, raw materials, corporate income tax exemption for 8 years, etc. Their main clusters are electronic parts and chemicals.	The estate has a high-level of Japanese investment. There are a total of 51 factories, 25 are Japanese. This accounts for 50% of the total number of clients at Suranaree.	Name and Address: Suranaree Industrial Zone Co. Ltd., 149 Moo 3 Ratchasima-Chokchai, Nongbuaasala, Muang, Nakhon Ratchasima 30000  Telephone: +66 4421 2111 3  Fax: +66 4421 2128 Website: www.suranaree.com	Suranaree Industrial Zone covers 590 acres. It has completed its development and there is no plan to expand the industrial area. The Estate has its second phase expansion in 1996-1997. Currently the Estate operates at 67% capacity with 395 acres available for sale.	Name and Address: Sukhum Laowanarai (joint venture) of Suranaree Industrial Zone Co. Ltd., 149 Moo 3 Ratchasima-Chokchai, Nongbuaasala, Muang, Nakhon Ratchasima 30000  Telephone: +66 4421 2111 3  Email: siz2551@gmail.com Website: www.suranaree.com Amount Contributed: Could not be confirmed from public information. Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.  Name and Address: Apisak Piriyapongsak (joint venture) of Suranaree Industrial Zone Co. Ltd., 149 Moo 3 Ratchasima-Chokchai, Nongbuaasala, Muang, Nakhon Ratchasima 30000  Telephone: +66 4421 2111 3  Email: siz2551@gmail.com Website: www.suranaree.com Amount Contributed: Could not be confirmed from public information. Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.

# Thailand

Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
									<p>Name and Address: IEAT 618 Nikom Makkasan Rd., Ratchathewi, Makkasan, Bangkok 10400 Telephone: +66 2253 0561</p> <p>Email: +66 2252 9273</p> <p>Website: www.ieat.go.th</p> <p>Amount Contributed/ Could not be confirmed from public information.</p> <p>Percentage/ Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>
<b>XXTH24</b>	TFD Industrial Estate	2007	<p>Name and Address: TFD Industrial Estate Motor Way Road, Ta Sa-an, Bang Pakong, Chachoengsao</p> <p>Telephone: +66 2676 4031 5</p> <p>Fax: +66 2676 4039</p> <p>Email: vilai@tfd-factory.com, jutharat@tfd-factory.com</p> <p>Website: www.tfd-factory.com</p>	<p>TFD Industrial Park is located in Chachoengsao province, a vicinity of Bangkok. The estate is 43km from Bangkok Port, 30km from Suvarnabhumi International Airport and 20km from Amata Nikom Industrial Estate.</p> <p>Latitude: 13.5622222, Longitude: 100.9955555</p>	<p>TFD's main clusters are electronic and car accessories. TFD receives joint incentives from Industrial Estate Authority of Thailand (IEAT) and Board of Investment (BOI). Tax incentives include exemptions from VAT, import duty, raw materials, exported goods and local goods utilized for productions. Foreign investors are allowed to own land at the estate. Ready-built factories are available. The park covers 200 acres.</p>		<p>Name and Address: TFD Plc., 10th Fl. JC Kevin Tower, 26 Narathiwat-Ratchanakarin Rd., Yannawa, Sathorn Bangkok 10120</p> <p>Telephone: +66 2676 4031 5</p> <p>Email: vilai@tfd-factory.com, jutharat@tfd-factory.com</p> <p>Website: www.tfd-factory.com</p>	<p>TFD has divided its development into two phases. The first phase began in 2007 and is now completed. The Estate is sold out. Phase 2 construction began in 2012 and is expected to be completed by 2014-2015. The second phase will total 5-6 billion Baht worth of investment.</p>	<p>Name and Address: Total Industrial Services Co. Ltd. (subsidiary of TFD Plc.), 10th Fl. JC Kevin Tower, 26 Narathiwat-Ratchanakarin Rd., Yannawa, Sathorn, Bangkok 10120</p> <p>Telephone: +66 2676 4031 5</p> <p>Email: vilai@tfd-factory.com, jutharat@tfd-factory.com</p> <p>Website: www.tfd-factory.com</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/ Ratio of Contribution Compared to Total Capital Contributions: 51%</p> <p>Name and Address: IEAT 618 Nikom Makkasan Rd., Ratchathewi, Makkasan, Bangkok 10400 Telephone: +66 2253 0561</p> <p>Email: +66 2252 9273</p> <p>Website: www.ieat.go.th</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/ Ratio of Contribution Compared to Total Capital Contributions: 49%</p>
<b>XXTH25</b>	Wellgrow Industrial Estate	1989	<p>Name and Address: Wellgrow Industrial Estate, 78 Moo 1 Bangna-Trad Rd. (Km.36), Bangkok, Chachoengsao, 24180 Thailand</p> <p>Telephone: +66 38 8570001</p> <p>Fax: +66 38 8570002</p> <p>Email: wellgrow.1@ieat.go.th</p> <p>Website: Could not be confirmed through public information</p>	<p>Wellgrow is situated on the eastern outskirts of Bangkok at kilometer 35 of Bangna Trad Highway.</p> <p>Latitude: 13.57, Longitude: 100.922222</p>	<p>Situated on the outskirts of Bangkok, the industrial estate was built before Environmental Impact Assessment requirements mandated setting aside land for greenery. The Estate is located on the Western Side of the Bang Pakong river and is thus prone to flooding. Well Grow Industries allows this estate to be run by the Industrial Estate Authority of Thailand. Mr. Supachai Woraphan acts on behalf of the Industrial Estate Authority of Thailand (IEAT) in matters with regards this estate.</p>		<p>Name and Address: Well Grow Industries Company Limited, 78 Moo 1 Bangna-Trad Rd. (Km.36), Bangkok, Chachoengsao, 24180 Thailand</p> <p>Telephone: +66 38 8570001</p> <p>Fax: +66 38 8570002</p> <p>Email: wellgrow.1@ieat.go.th</p> <p>Website: Could not be confirmed through public information</p>	<p>Many companies have operated, purchased and reserved land in the industrial park for further expansion. Available information shows that there is still land for sale, however it is not likely to be a significant amount. There is a waiting list for space to build factories. There are no public plans for further development. Infrastructure in the park includes:</p> <p>Water Supply System: - 225-rai (90-acre), 8.5-meter-deep reservoir with 3-million-cubic meter capacity - Raw water sources : Wang Khue Canal and Eastern Water Resources Development and Management Public Company Limited (EastWater) - Water usage demand: 23,744 cubic meters/day - Production capacity: 30,000 cubic meters/day</p> <p>Electrical Power Supply System: - Distribution capacity: 200 MVA - Power voltage: 22 kV, 400/230 V, 115 kV</p> <p>Telephone System: - Provider: TT&amp;T Public Company Limited - More than 3,500 direct telephone lines</p> <p>Wastewater Treatment System: - Aerated Lagoon System with 7,200 cubic meters/day capacity - SBR System with 8,400 cubic meters/ day capacity</p> <p>Incinerator System: - Two incinerators - Capacity: 29.4 tons/day - Average amount of solid waste: 5,726 kilograms/day</p> <p>Road System: - Primary roads are reinforced concrete, 14 meters wide with four-lane divided traffic - Secondary roads are reinforced concrete, 12 meters wide with two-lane divided traffic</p>	<p>Name and Address: Well Grow Industries Company Limited, 78 Moo 1 Bangna-Trad Rd. (Km.36), Bangkok, Chachoengsao, 24180 Thailand</p> <p>Telephone: +66 38 8570001</p> <p>Website: Could not be confirmed through public information</p> <p>Amount Contributed: Could not be confirmed through public information</p> <p>Percentage/ Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed through public information</p>

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Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
XXVNO1	Amata Industrial Park	1994	Name and Address: Amata (Vietnam) Co., Ltd. Long Binh Ward, Bien Hoa City , Dong Nai Province Telephone: +84 61 893596, +84 61 991007 Fax: +84 61 891251 Email: mktg@amata-vietnam.com Website: Could not be confirmed from public information.	Amata Industrial Park is located in Dong Nai Province. It is 30km from Ho Chi Minh City, 5km from Bien Hoa City, and 40km from Phu My seaport. Latitude: 10.937989, Longitude: 106.887102	The park is targeting automobile spare parts, steel products, electronics, textiles, and construction materials. The total land area is 700 ha. The main road system within the park has width of 52m with 4 lanes. The internal road system has width 24m with 2 lanes. The 3 power supply in the Industrial Park includes a powerline transmission of 22kV, private power plant with current net capacity of 13MW and power substation from national grid with 80MVA. The industrial park also has water supply with capacity of 30,000 cum/day. There is also a sewage treatment plant with capacity of 5,000 cum/day. In terms of telecommunication, there is ADSL high speed line and telephone lines can be installed according to lessee's requirement.	<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i> The industrial park has high-level of Japanese investment. About 50% of the foreign companies are Japanese. Of the 85 firms listed in the park, 37 are Japanese. Interm of land lease, 30 out of 85 firms are Japanese. 5 out of 16 in terms of factory lease and 2 out of 4 in terms of office lease.	Name and Address: Dong Nai Industrial Zone Authority (DIZA), Bloc 26 Road 2A, Bien Hoa II Industrial Park, Long Binh Ward, Bien Hoa City , Dong Nai Province Telephone: +84 61 892376, +84 61 892378  Email: dza@hcm.vnn.vn Website: Could not be confirmed from public information.	40 investment projects are in place in the park, worth over USD 260 million. There is a strong international presence, with firms from Germany, South Korea, US and Singapore. There don't seem to be plans to develop and expand the park.	Name and Address: Sonadezi, No.1, Road 1, Bienhoa Industrial Zone 1, Dong nai Province, Vietnam Telephone: +84 61 3860561, +84 61 8860562  Email: marketing@sonadezi.com.vn Website: www.sonadezi.com.vn  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: 30% Name and Address: Amata Corporation Public Company Limited - Thailand, 700 Moo 1, Klong Tamru, Muang, Chonburi 2000, Thailand Telephone: +66 38 213007 Email: marketing@amata.com Website: www.amata.com Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: 70%
XXVNO2	Bau Bang Industrial Park	2007	Name and Address: Lai Uyen Commune, Ben Cat District, Binh Duong Province, Vietnam Telephone: +84 650 3822655, +84 6503811777 Fax: +84 650 3822713, +84 650 3811666 Email: vniinvest@becamex.vn Website: www.becamex.com.vn	Bau Bang Industrial Park is located at Lai Hung and Lai Uyen Communes of Ben Cat District in Binh Duong Province. It is located nearby National Highway 13, an important trading gateway between the South-Eastern Region and the Central Region. It is 65km from Ho Chi Minh City, 69km from Saigon seaport and 62km from Tan Son Nhat International Airport. Latitude: 11.286486, Longitude: 106.618428	Bau Bang Urban Area and Industrial Park has an area of more than 2,000 ha, of which about 1,000 ha is used for industrial development and about 1,000 for service and urban residential development. The park has its own electrical substation connected to the national grid supplying electricity for the park, as well as a water supply and drainage system. It also has a wastewater treatment plant and telephone services. There are 130 Taiwanese firms, 85 Korean firms, 14 US firms and 42 other international firms in the park. There are 69 Vietnamese tenants. The park is about 50% occupied.	There are 40 Japanese firms out of 380 tenant companies in this industrial park (10%).	Name and Address: Investment and Industrial Development Corporation (Becamex IDC Corp.), 230 Binh Duong Avenue, Thu Dau Mot City, Binh Duong Province Telephone: +84 650 3822655  Email: vniinvest@becamex.vn Website: becamex.com.vn/en/business-scope/industrial-parks/bau-bang-residential-and-industrial-park	Bau Bang was developed by Becamex, a government-owned enterprise. It is Phase 5 of Becamex's My Phuoc Industrial Park. Its construction has been completed and is now in full operation. There is no plan for future extension or further development in this industrial park.	Name and Address: Investment and Industrial Development Corporation (Becamex IDC Corp.), 230 Binh Duong Avenue, Thu Dau Mot City, Binh Duong Province Telephone: +84 650 3822655  Email: vniinvest@becamex.vn Website: becamex.com.vn/en/business-scope/industrial-parks/bau-bang-residential-and-industrial-park  Amount Contributed: VND 1,570,578 billion Percentage/Ratio of Contribution Compared to Total Capital Contributions: 100%
XXVNO3	Da Nang Hi Tech Park	2010 (still under construction)	Name and Address: Da Nang Hi Tech Park, Hoa Lien Commune, Hoa Vang District Telephone: +84 511 3626704 Fax: +84 511 3626704 Email: dhtp@danang.gov.vn Website: www.dhtp.vn	Da Nang Hi Tech Park is located in Hao Vang District, Da Nang, 22km west of the centre of Da Nang City. Latitude: 16.081774, Longitude: 108.060222	The park is 1,129.76 ha in size. Da Nang Hi-Tech Park in Vietnam. It is specifically targeting industry in the areas of bio-technology, mechatronics and optoelectronics, precision engineering, IT and communications and environmental technology. Various incentive policies within the park include 100% off land leasing for projects in infrastructure development, R&D, hi-tech business training and incubation area and 100% off land leasing for residential construction projects in the Hi-Tech Park.	It is hard to gauge exact levels of Japanese involvement at the moment as it is currently under construction. However, the Japanese firms Tokyo Kelsi Co and Niwa Foundry Company are both involved in its construction. Another Japanese company, Niwa Foundry Company, has also held discussions about investing in the area, although these are preliminary talks.	Name and Address: Danang Hi-Tech Park Management Board, 6th Floor, Building 228, 2/9 Street, Hai Chau District, Danang City Telephone: +84 511 3626704  Email: dhtp@danang.gov.vn Website: www.dhtp.vn	The Park is still in the first of three development phases. Ground was broken on phase one in April 2013. Planned infrastructure includes: water supply from 4 water plants with capacity between 130,000 cum/day and 140,000 cum/day. Power is being supplied from the National North-South 500KV line electrical grid with 50 stations. Supporting services will include one-stop services, assistance in loan obtaining and funding, as well as support for business start-up procedures.  Phase development plan: Phase 1, 2012-2015, with investment amount of VND 3,462 billion. Phase 2, 2015-2018 with investment amount of VND 2,462 billion. Phase 3, 2019-2020, with investment amount of VND 2,918 billion.	Name and Address: Da Nang People's Committee, 42 Bach Dang Street, Hai Chau District, Da Nang City. Telephone: +84 511 3826338, +84 511 3893777  Email: toasoan@danang.gov.vn Website: www.bvnd.danang.gov.vn  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
XXVNO4	Da Nang Industrial Park	1993	Name and Address: Ngo Quyen Str., Danang City (located at the intersection of Ngo Quyen Street and Pham Van Dong streets) Telephone: Could not be confirmed from public information. Fax: Could not be confirmed from public information. Email: dhninvest@dnng.vnn.vn Website: Could not be confirmed from public information.	The park is centrally located within the city of Da Nang itself. It is located approximately 3km northeast of Da Nang International Airport and 2km northeast of the city center, 10km to the northwest of Lien Chau seaport. Tien Sa seaport is some 5km to the north. Latitude: 16.0776096, Longitude: 108.2350731	The entire park covers an area of just under 50 ha. Some 41 ha of the park are currently available to investors to rent and utilize. The park contains all necessary utilities: water, electricity and telecommunications. The park is seeking a variety of different industry investors including producers of: garments, footwear, leather products, electronics/ computers, refrigeration equipment, foodstuff and beverage processing, jewelry and plastic-ware.	Three Japanese companies are currently listed as investors/tenants in the park: Kameyama Candle, TTTI (electronic components) and Japan Logistic Systems. There is no information regarding how many companies in total are operating within the park.	Name and Address: Massda Joint Venture Company, Danang Industrial Zone, P. An Hai Bldg, O. Son Tra, Tp. Da Nang Telephone: +84 511 944375  Email: massda@dnng.vnn.vn Website: Could not be confirmed from public information.	No information pertaining to any future developments and expansion of the park can be found. The park's proximity to the city centre and urban location means that future expansion of any kind is unlikely without serious investment in purchasing the surrounding occupied land.	No public information on capital contributors available.
XXVNO6	Dai An Industrial Park	2003	Name and Address: Dai An Industrial Zone, Km51, Highway No.5, Tu Minh, Hai Duong, Vietnam Telephone: +84 3203 555 888/889 Fax: +84 3203 786703 Email: info@daienvietnam.com, huong.tuong@daienvietnam.com	The park is located some 50km to the west of Hanoi and some 50km to the east of Hanoi city. It is located along National Highway 5 near the town of Hai Duong, Noi Bai International Airport is to the northwest of the park approximately 70km away. Latitude and longitude coordinates are not available.	The first stage of the park covers some 170 ha in total area and contains all the necessary utilities required by investors to operate: electricity, water and telecommunications. In December 2008, a solid and water waste treatment plant was installed in the park. There are presently various warehousing, manufacturing and office facilities onsite. There are also a variety of onsite business support services including logistics, consulting, import/export, accommodation and insurance	Presently there are 36 investors in total within the park who have invested a total of USD 694 million. Prior to 2008, the park attracted 12 investment projects totaling USD 176 million. Due to the global financial crisis, only 8 out of the 12 projects remained by the end of 2008, totaling USD 154 million. Japanese firms were included in these projects. The total number of Japanese firms is not stated, but at least one can be confirmed (Sumidenseo Japan).	Name and Address: Dai An Joint Stock Company Telephone: +84 3203 555 888/889  Email: info@daienvietnam.com, huong.tuong@daienvietnam.com	The second phase of the project, the construction of Dai An Industrial Park Expansion Zone, will increase the overall size of the park by 474 ha. Of this additional area being developed, some 396 ha will be available for investors to establish operations. The rest will be used for support services and park maintenance provisions. Some sources suggest that the second phase is almost complete, and that there is currently some 150 ha of vacant land available for investment.	No public information on capital contributors available.

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Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
			Website: www.daiarvietnam.com		services. Currently 95% of the available land from the initial phase of development is leased by investors. Current industries located within the park include: textiles and garments; foodstuffs; electronic assembly/manufacture; manufacturing of porcelain/glassware; manufacturing of handicrafts and fine art articles.		Website: www.daiarvietnam.com		
<b>XXVNO6</b>	Dai Dong – Hoan Son Industrial Park	2007	<p>Name and Address (Industrial park): 38B Đào Tấn, Hà Nội</p> <p>Name and Address (Management company): Kinhbac City Development Holding Corp, Lot B7, Que Vo IP, Que Vo Dist., Bac Ninh Province</p> <p>Telephone: +84 241 363 4034</p> <p>Fax: +84 241 363 4035</p> <p>Email: info@kinhbaccity.com; sales@kinhbaccity.com</p> <p>Website: kinhbaccity.vn/news/en/business-fields/industrial-park/kcn-dai-dong-hoan-son</p>	<p>The park is located along National Highway 1 some 19km northeast of Hanoi city centre and 40km southwest of Noi Bai International Airport. It is approximately 100km northwest of Hai Phong city, 110km northwest of the Hai Phong seaport and 8km southwest of Bac Ninh town in Bac Ninh province.</p> <p>Latitude: 21.0992349, Longitude: 105.9966087</p>	<p>The total area of the park is some 400 Ha, which was divided into two phases of 200 ha each. The park has fully completed and functional road infrastructure with all the basic and necessary utilities required by companies invested in it: water supply/treatment, electricity and telecommunications. There is also some basic accommodation that was constructed to house up to 3,000 workers in 2010.</p>	<p>Only four companies are listed as tenants in the park, two of which are Japanese: Hayakawa and Tabuchi. This listing is unlikely to be complete, but no other was publicly available.</p>	<p>Name and Address: Kinhbac City Development Holding Corp. (part of Saigon Invest Group)</p> <p>Telephone: +84 241 363 4034</p> <p>Email: info@kinhbaccity.com; sales@kinhbaccity.com</p> <p>Website: kinhbaccity.vn/news/en/business-fields/industrial-park/kcn-dai-dong-hoan-son</p>	<p>The first phase of the park became operational in 2007. The second phase became operational in 2010. There are no specific occupancy figures available. Maps of the park suggest that 40-45% of the land is still currently available for leasing and investment.</p>	<p>Name and Address: Kinhbac City Development Holding Corp. (part of Saigon Invest Group)</p> <p>Telephone: +84 241 363 4034</p> <p>Email: info@kinhbaccity.com; sales@kinhbaccity.com</p> <p>Website: kinhbaccity.vn/news/en/business-fields/industrial-park/kcn-dai-dong-hoan-son</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p> <p>Name and Address: Bac Ninh Provincial People's Committee for Foreign Corporation Saigon Telecommunication and Technologies (part of the Kinh Bac Urban Development Corporation)</p> <p>Telephone: Could not be confirmed from public information.</p> <p>Email: Could not be confirmed from public information.</p> <p>Website: Could not be confirmed from public information.</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p> <p>Name and Address: Infrastructure Development Unit, JSC Saigon Telecommunications &amp; Technologies 6F ICT Tower, 46 Quang Trung Software park, Tan Chanh Hiep Ward District 12, Ho Chi Minh City, Vietnam</p> <p>Telephone: +84 08 37159909</p> <p>Email: Could not be confirmed from public information.</p> <p>Website: Could not be confirmed from public information.</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>
<b>XXVNO7</b>	Dong An Industrial Park	November 14, 1996	<p>Name and Address (Dong An): Road 1 – Dong An Industrial Park, Thuan An district, Binh Duong province</p> <p>Name and Address (Dong An 2): Hoa Phu Ward, Thu Dau Mot Town, Binh Duong province</p> <p>Telephone: +84 650 3 752 130 (Dong An), +84 650 3 589 388 / 386 (Dong An 2)</p> <p>Fax: +84 650 3 742 016 (Dong An), +84 650 3 589 389 (Dong An 2)</p> <p>Email: hungthinh@dongancorp.com</p> <p>Website: dongan-group.com.vn/plaza/user/template/?act=viewther&amp;lang=en&amp;id=3</p>	<p>Dong An 1 is 16km to the north of Hoh Chi Minh City, and a similar distance from the regional airport and the main seaport. It is only 1.5km away from Song Than Railway Station.</p> <p>Dong An 2 is located in Binh Duong Industry-Service-Urban Complex, 40km to the north of Hoh Chi Minh City and 28km from Dong An 1.</p> <p>Dong An 1 Latitude: 10.914377, Longitude: 106.733304</p> <p>Dong An 2 Latitude: 11.139178, Longitude: 106.707222</p>	<p>Dong An 1 has an industrial development area of 132.5 ha. It provides all the necessary amenities to assist industrial activities (internal paved roads, electricity substation, water supply and waste management). It also has other support facilities such as a post office, bank, fire prevention unit and securities service system.</p> <p>Dong An 2 has its own internal paved road system, power substation, water supply system. It has a procedure for waste recycling and waste water treatment plant. There is also a post office and 24/7 security service. It is also served by a vocational school, fire brigade and banks. It has its own recreational greenery and parks as well. The size of industrial development area is 159 ha.</p>	<p>There is only one Japanese firm (Rinnai Vietnam) in Dong An 1. No information was available on Japanese investors in Dong An 2.</p>	<p>Name and Address: Dong An Corporation Address: Hoa Phu Ward, Thu Dau Mot Town, Binh Duong Province</p> <p>Telephone: +84 903 117 970 (Mr Phạm Văn Trường)</p> <p>Email: info@dongancorp.com</p> <p>Website: dongan-group.com.vn/plaza/user/template/?act=home&amp;lang=en</p>	<p>Dong An 1 is almost reaching its full occupancy (99.5%). Dong An 2, on the other hand, is under development. As of 2011, Dong An 2 has the occupancy rate of 70%.</p>	<p>Name and Address: Dong An Corporation Address: Hoa Phu Ward, Thu Dau Mot Town, Binh Duong Province</p> <p>Telephone: +84 903 117 970 (Mr Phạm Văn Trường)</p> <p>Email: info@dongancorp.com</p> <p>Website: dongan-group.com.vn/plaza/user/template/?act=home&amp;lang=en</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: 100%</p>



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Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
<b>XXV08</b>	Dong Nam Industrial Park	2008	Name and Address: Binh My, Hoa Phu Commune, Cu Chi District, Ho Chi Minh  Telephone: +84 8 38479273 Fax: +84 8 38479272 Email: dongnamip@saigonvrg.com.vn Website: saigonvrg.com.vn/vn/industrialpark/?module=projectdetail&id=2&language=en	Dong Nam is located 10km north of Ho Chi Minh City.  Latitude: 10.970348, Longitude: 106.632414	Dong Nam Industrial Park is still under construction. The park will be 342 ha in size. Some roads have been completed, and several factories have also been built. It is aiming to draw investors from a range of sectors e.g. mechanical engineering, information technology, chemical processing (pharmaceutical products, herbal medicines, high-grade plastics), construction materials, furniture manufacturing, and sports equipment manufacturing.  The main road system within the park has width 8 lanes. The internal road system has width 18 and 29m with 2 to 4 lanes. The 3 power supplies in the Industrial Park includes an on-site substation with capacity of 2x63 MVA. Tan Quy substation with capacity of 2x63MVA and 15-22KV power line networks. The industrial park also has water supply from 3 sources, with capacity of 15,000 cu.m/day from on-site water treatment plant, 300,000 cu.m/day from Tan Hiep water treatment plant and 200,000 cu.m/day from Thu Dau Mot water treatment plant. There is also a sewage treatment plant with capacity of 15,000 cu.m/day. In terms of telecommunication, there is ADSL high speed line for internet available, fiber optic capabilities and telephone lines can be installed according to lessee's requirement.  Various onsite utilities will include customs office, integrated logistics center, bank, post office, commercial center, school, hospital, dormitory and housing.	The industrial park has low-level of Japanese investment. Of the 13 firms listed in the park, there is only 1 Japanese firm. Japan Plus has a factory located in the park.	Name and Address: Saigon VRG Investment Holding Corporation, Unit 608A, No. 106 Nguyen Van Troi street, Ward 8, Phu Nhuan District, HCM City  Telephone: +84 8 38479375  Email: saigonvrg@saigonvrg.com.vn Website: www.saigonvrg.com.vn	The park is still being constructed, so it is still expanding. Initial investment from the developers was around USD 100 million.	Name and Address: Vietnam Rubber Group, 238 Nam Ky Khoi Nghia Street, Dist. 3, Ho Chi Minh City, Vietnam  Telephone: +84 8 39 325 234; +84 8 39 325 235  Email: vrg@rubbergroup.vn Website: www.vnrubbergroup.com  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: 100%
<b>XXV09</b>	Dong Van II	2006	Name and Address: Dong Van Town, Duy Tien district, Ha Nam Province  Telephone: +84 4 32 484 282 (Hanoi Office) Fax: +84 4 32 484 283 Email: vanphong@vidgroup.com.vn Website: www.vidgroup.com.vn/b-du-an-dau-tu/a-congtrinh-ha-tang-coso/	The park is located along National Highway 1 45km from Hanoi city center. It is 125km from Hanoi airport, 145km from Quang Ninh Cai Lan deep seaport and 65km from Noi Bai International Airport.  Latitude: 20.666824, Longitude: 105.91894	The park is situated in the Dong Van urban area, which has a population of over 850,000 – 65% of which are under 35 years old. The community has extensive educational institutions from secondary school to vocational school. Dong Van II Industrial Park houses several major industries: electronic mechanical assembly, food processing, light industry and consumer goods, jewelry, precision electronic components, motorcycles, cars, appliances and mechanical works. The park is 263 Ha in size.	There is no information on the total number of Japanese firms in this industrial park. However, there are some Japanese tenants including Sumitomo Group, Honda Group, Honda Lock, Showa Denko and Tachibana.	Name and Address: VID Group, 11th floor A Sky City Tower, 88 Lang Ha Str., Dong Da Dist., Hanoi, Vietnam  Telephone: +84 4 32 484 282  Email: vanphong@vidgroup.com.vn Website: www.vidgroup.com.vn/b-du-an-dau-tu/a-congtrinh-ha-tang-coso/	This the second and newest industrial park in this district. To date, only 60% of the rental space have been filled. It has a fully operational internal road system, water and electricity supplies, wastewater management, sewage system, fire prevention and security service. The developer emphasizes the importance of greenery, having set aside 10-12% of the total park area for green spaces.	Name and Address: VID Group, 11th floor A Sky City Tower, 88 Lang Ha Str., Dong Da Dist., Hanoi, Vietnam  Telephone: +84 4 32 484 282  Email: vanphong@vidgroup.com.vn Website: www.vidgroup.com.vn/b-du-an-dau-tu/a-congtrinh-ha-tang-coso/ Amount Contributed: VND 80 billion Percentage/Ratio of Contribution Compared to Total Capital Contributions: 100%
<b>XXV10</b>	Hoa Cam Industrial Park	2001	Name and Address: Hoa Cam Area Industrial Co., 176 – 3/2 street, Hai Chau district, Da Nang City  Telephone: +84 511 2 466 467 Fax: +84 511 3 898 077 Email: hoacami@vnn.vn Website: www.hoacami.com.vn	The park is situated approximately 8km south of Da Nang city centre and International Airport. It is also some 7km from the nearest port, Lien Chu. It is situated on the intersection of 14B highway (running east-west) and National Highway 1 (running north-south).	The park is targeting the following industries for investments: hi-tech products, electronics, mechanical assembly, agricultural products, foodstuff processing, advanced building materials, packing, beauty products and plastics. The entire park covers approx 120 ha in total. One source suggests that over 95 ha is currently available for investors to lease.	There is little information available on the number of firms, Japanese or non-Japanese, currently invested in the park. There is at least one Japanese firm in the park, Sasaki Chamber of Commerce and Industry. However, there may well be more – there are some 60 Japanese investment projects active in Da Nang, suggesting other Japanese investors may well be present in the park.	Name and Address: Danang Industrial and Export Processing Zones Authority (DIEPZA)  Telephone: +84 511 810422  Email: dayzico@dng.vnn.vn Website: www.danang.gov.vn	The park has all the necessary utilities required for business operations: water, electricity and telecommunications. Very little information is available about the current manufacturing and office facilities within the park itself. There is no available information on developing companies or any reference to future development of the park.	No public information on capital contributors available.
<b>XXV11</b>	Hoa Khahn Industrial Park	1996/ 1997	Name and Address: 61A Nguyen Van Cu Str., Lien Chieu Dist., Danang City  Telephone: +84 511 738381 Fax: Could not be confirmed from public information. Email: sdm@vnn.vn Website: Could not be confirmed from public information.	The park is some 8km east of Danada city centre and 7km east of the Dananda International Airport. The seaport of Lien Chu is 7km to the north.  Latitude: 16.087222, Longitude: 108.132222	The park covers over 325 ha in total. Some 53 ha are presently being utilised by companies within the park. Therefore, there is some 272 ha available for further investment by companies. The park is seeking investment in the following sectors: mechanical assembly, chemical manufacturing, plastics manufacturing, post petro-chemical products, agricultural/forestry/seafood processing, paper/packaging and advance building materials.	7 Japanese companies are listed as being current tenants in the park.	Name and Address: Saigon Invest Group Address: 20 Phung Khac Khoan st., Dakao Ward, District 1, HCMC  Telephone: +84 838228290  Email: hcns_sgi@saigoninvest.com Website: www.saigoninvest.com/	There is no information available regarding the current manufacturing and office facilities available in the park. However, all the basic utilities are present as there are already some companies invested within the park. The park has been expanded once since its establishment, but details on this expansion were not publicly available.	No public information on capital contributors available.
<b>XXV12</b>	Hoa Lac Hi-Tech Park	October 12, 1998	Name and Address: Hoa Lac Hi-Tech Industrial Park Management Board, Km 29, Thang Long Freeway, Thach That District, Ha Noi City, Vietnam  Telephone: +84 4 6326 9295 Fax: +84 4 6326 9290 Email: info@hhtp.gov.vn Website: www.hhtp.gov.vn	Hoa Lac Hi-tech park located 30km west of Hanoi, 47 km southwest of Noi Bai International Airport, over 100km west of Hai Phong Port and 20km south of Son Tay Port. It is near a few large universities, such as Hanoi National University and Hanoi University of Technology.  Latitude: 21.005, Longitude: 105.538333	The park will extend over 1650 ha (currently 1500 ha has been developed), incorporating a number of different zones for tenants: Industrial Zone, Software Park, R&D park, Education & training etc. The whole park is zoned accordingly and housed within various low-rise buildings (including office blocks, factories and warehousing) to accommodate the various companies and their needs. There is a small residential complex within the park for company staff comprised of low-rise condominium style accommodation. The whole park is connected via its own road network off the main highway.	There is presently only 1 Japanese company operating within the park: Noble Electronics Vietnam Co.Ltd. There are over 60 companies in total presently operating within the park.	Name and Address: FPT Corp Address: FPT Cau Giay Building, Duy Tan Street, Pham Hung Road, Cau Giay District, Hanoi  Telephone: +84 4 73007300  Email: Could not be confirmed from public information. Website: www.fpt.com.vn	Current development of park has reached 1,586 ha of the total expected 1,650 ha. No information is publicly available regarding the details of the final phase and when it is likely to be completed.	Name and Address: FPT Corp Address: FPT Cau Giay Building, Duy Tan Street, Pham Hung Road, Cau Giay District, Hanoi  Telephone: +84 4 73007300  Email: Could not be confirmed from public information. Website: www.fpt.com.vn Amount Contributed: VND 150 billion Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.  Name and Address: VINACONEX, Vinaconex Tower, 34 Lang Ha Street, Dong Da District, Hanoi, Vietnam

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Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						Cells highlighted green indicate a high level of Japanese investment in the industrial park.			
									<p>Telephone: +84 4 62849234</p> <p>Email: info@vinaconex.com.vn</p> <p>Website: www.vinaconex.com.vn</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p> <p>Name and Address: VITEC, F3, No. 2, Van Cao Street, Thuy Khue, Tay Ho District, Hanoi, Vietnam</p> <p>Telephone: +84 4 37286440</p> <p>Email: Could not be confirmed from public information.</p> <p>Website: www.vitec.com.vn</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>
<b>XXVNI3</b>	Linh Trung II Industrial Park	2000	<p>Name and Address: Binh Chieu Ward, Thu Duc District, Ho Chi Minh City, Vietnam, Ho Chi Minh 08</p> <p>Telephone: +84 8 3729 1287</p> <p>Fax: +84 8 3729 1289</p> <p>Email: marketing@linhtrungepz.com</p> <p>Website: www.linhtrungepz.com</p>	<p>Linh Trung EPZ consists of 3 areas – Linh Trung I, 2, and 3. Linh Trung II Industrial Park is located in Thu Duc District. It is 15km from the centre of Ho Chi Minh City, 18.5km to Tan Son Nhat International Airport and 18km to Saigon Port.</p> <p>Latitude: 10.868384, Longitude: 106.769214</p>	<p>The park is 61.7 ha in size. The internal road system of the industrial park has 4 lanes varying from 17m to 20m in width. The power supply is leveraging on the national grid with 22KV medium voltage lines. In terms of telecommunication, there is ADSL high speed line for internet available and telephone lines can be installed according to lessee's requirement. The industrial park has had USD 246 million in total investment capital.</p>	<p>Around 16% of companies seem to be Japanese based on available listings. Of the 40 firms listed in the park, 7 are Japanese. These include Iwasaki &amp; SG Meta, Meinan, Rocco Viet Nam, Logitron, SG Precision, Fuji Impulse, Kachiboshi, Nissei Electric.</p>	<p>Name and Address: Saigon Industrial Park Development Co., Ltd (Saigon IPD), Linh Trung ward, Thu Duc district, Ho Chi Minh city, Vietnam</p> <p>Telephone: +84 8 3896 2356</p> <p>Email: marketing@linhtrungepz.com</p> <p>Website: www.linhtrungepz.com</p>	<p>Total investment in the project is USD 55,500,000 which is split equally between the two developers. It is not clear there will be future development of this site, as there are two other parts of the EPZ which are also being developed.</p> <p>Name and Address: China United Electric Import &amp; Export Corporation, No.8 Building, Guan Dong Dian Nan Jie, Chao Yang Men Wal, Beijing 100004</p> <p>Telephone: Could not be confirmed from public information.</p> <p>Email: Could not be confirmed from public information.</p> <p>Website: Could not be confirmed from public information.</p> <p>Amount Contributed: USD 22,750,000</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: 50%</p> <p>Name and Address: Saigon Industrial Park Development Co., Ltd (Saigon IPD), 338/180 Nguyen Thi Dinh St., Thanh My Loi Ward, Dist. 2, Ho Chi Minh City, Vietnam</p> <p>Telephone: +84 8 7422411</p> <p>Email: Could not be confirmed from public information.</p> <p>Website: Could not be confirmed from public information.</p> <p>Amount Contributed: USD 22,750,000</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>	
<b>XXVNI4</b>	Long Duc Industrial Park	2008	<p>Name and Address: Long Duc Industrial Park, Long Thành District, Đồng Nai Province, Vietnam</p> <p>Telephone: +84 61 399 3628</p> <p>Fax: Could not be confirmed from public information.</p> <p>Email: longducvn@yahoo.com.vn</p> <p>Website: www.longduc-ip.com</p>	<p>Long Duc Industrial Park is located in Long Than District, about 40 minutes drive from Ho Chi Minh City centre and 33km from Cai Mep-Thi Vai Port. When the Long Thanh Airport opens in 2020, it will be 8km away.</p> <p>Latitude: 10.795115, Longitude: 106.98319</p>	<p>The total land area of the park is 270 ha. The park is still under construction. However, when it is built, it will be technologically equipped with fiber optic cables. The main road system within the park has width 22m and 35m with 2 lanes and 4 lanes. The internal road system has width 15 and 22m with 4 lanes. The power supply is leveraging on the national grid with a power line of 110v/22kv and capacity of 63 MVA. The industrial park also has water supply with capacity of 11,200 cu.m/day and sewage treatment plant with maximum capacity of 9000 cu.m/day and is now at 5000 cu.m/day.</p>	<p>The industrial park has high-level of Japanese investment at the moment. The majority owners (Kobelco, Daiva and Sojitz) are all Japanese based companies. Terumo Medical (Japanese) has also signed an investment deal worth USD 98.9 million, in addition to Kobelco Eco-Solutions Vietnam Co., Ltd and Belmont Manufacturing Vietnam Co., Ltd. Other than that, the park has already received inquiries from more than 50 firms including many Japanese manufacturers.</p>	<p>Name and Address: Long Duc Investment Joint Stock Company, The office of Donafoods Company, Long Binh Ward, Bien Hoa City, Dong Nai Province</p> <p>Telephone: +84 61 2650445, +84 8 38221362</p> <p>Email: longducvn@yahoo.com.vn</p> <p>Website: www.longduc-ip.com</p>	<p>The reclamation of land began in February 2012 and in August 2013, additional construction began to develop the infrastructures such as underground piping etc.</p> <p>Name and Address: Sojitz Corporation, 17F, Iino Building 1-1 Uchisaiwaicho 2-chome, Chiyoda-ku, Tokyo 100-8691, Japan</p> <p>Telephone: +81 3 6871 5221</p> <p>Email: Could not be confirmed from public information.</p> <p>Website: www.sojitz.com</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: 50.2%</p> <p>Name and Address: Daiva House Industry Co., Ltd, 3-3-5 Umetsu Kita-ku, OSAKA-SHI, OSK 530-8241, Japan</p> <p>Telephone: +81 6 63462111</p> <p>Email: Could not be confirmed from public information.</p> <p>Website: www.daiwahouse.co.jp</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: 39.9%</p> <p>Name and Address: Kobelco Eco-Solutions Co., Ltd, Kobe Head Office, 4-78, 1-chome, Wakoinama-cho, Chuo-ku, Kobe, 651-0072, Japan</p> <p>Telephone: Could not be confirmed from public information.</p>	

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Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
									<p>Email: Could not be confirmed from public information.</p> <p>Website: www.kobelco-eco.co.jp</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: 3/25</p> <p>Name and Address: Donafudo (Vietnam Food Association), K5, New Urban Area, Nguyen Thi Thap Str., Tan Hung Ward, Dist. 7, HCMC, Vietnam</p> <p>Telephone: +84 8 62983494/ 62983495/ 62983497/ 62983498</p> <p>Email: vietfood@hcm.vn.vn</p> <p>Website: www.vietfood.org.vn</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: 100%</p>
<b>XXVN15</b>	Long-Hau Industrial Park	2006	<p>Name and Address: Long Hau Commune, Can Giuoc District, Long An Province, Vietnam</p> <p>Telephone: +84 8 3937 55 99</p> <p>Fax: +84 8 3781 8940</p> <p>Email: sales@longhau.com.vn, thanh.ltk@longhau.com.vn</p> <p>Website: www.longhau.com.vn</p>	<p>Long Hau is situated near one of the branches of the Mekong River Delta, some 19km to the south of Ho Chi Minh city and 25km away from the airport. It is only 3km away from the Ho Chi Minh City main port and the container terminal.</p> <p>Latitude: 10.607127, Longitude: 106.671879</p>	<p>Long Hau is right on the bank of one of Mekong River branches. Tenant companies can benefit from water transportation directly to the main port and container terminal. The park provides a one-stop-shop legal service for tenant companies. Legal services include business registration, registered investment, tax and registration for seals. The developers clearly target Japanese investors by making many documents available and specifically for Japanese customers. The park is 142 ha in size.</p>	<p>There are 34 Japanese firms out of 82 total firms. Japanese firms account for the vast majority of foreign investors in this industrial park (there are only 10 other foreign companies). Therefore the Japanese are account for 41% of all tenants and 77% of all foreign tenants.</p>	<p>Name and Address: Long Hau Corporation Address: Long Hau Commune, Can Giuoc District, Long An Province, Vietnam Telephone: +84 8 37818929, +84 8 39375599</p> <p>Email: sales@longhau.com.vn</p> <p>Website: longhau.com.vn</p>	<p>The industrial park is complete and fully operational. As of 2010, the occupancy rate was 80%. An expansion zone has been recently completed and has the occupancy rate of 40% as of 2010. The park provides all necessary infrastructure for industrial development including power supply, water supply, wastewater management system, telecom infrastructure and internal road system.</p>	<p>Name and Address: Long Hau Corporation Address: Long Hau Commune, Can Giuoc District, Long An Province, Vietnam Telephone: +84 8 37818929, +84 8 39375599</p> <p>Email: sales@longhau.com.vn</p> <p>Website: longhau.com.vn</p> <p>Amount Contributed: VND 420 billion for Zone 1 and VND 391 billion for Expansion Zone</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: 100%</p>
<b>XXVN16</b>	Long Thanh Industrial Park	2003	<p>Name and Address: An Phuoc and Tam An communes, Long Thanh district, Dong Nai province, Dong Nai</p> <p>Telephone: +84 61 3514494</p> <p>Fax: +84 61 3514499</p> <p>Email: longthanh2@sonadezi.com.vn</p> <p>Website: www.sonadezi.com.vn</p>	<p>Long Thanh Industrial Park is located in Dong Nai province. It is located 45km away from Ho Chi Minh City, and 23km from Go Dau Port.</p> <p>Latitude: 10.849886, Longitude: 106.958771</p>	<p>The Industrial Park is a mixture of industrial zones, residential zones and other real estate areas. The total land area of the industrial park is 408 ha. It is targeting industries like mechanics, electronics, IT, chemical and biological products, cosmetics, and high grade building materials. Incentive industries within the industrial park includes chemical, construction materials, mechanics, electronic, pharmacy, cosmetic, consumer products, porcelain, resin adhesive and medical equipment. The main road system within the park has width 31m with 4 lanes. The internal road system has width 24m with 2 lanes. The power supply is leveraging on the national grid with a power line of 110v/22kv and capacity of 2x63 MVA. The industrial park also has water supply with capacity of 20,000 m3/day and sewage treatment plant with maximum capacity of 15000 cu.m/day. There is ADSL internet connection of 2mbps. In terms of companies operating in the park, there is a very strong South Korean presence, and a Taiwanese presence, too.</p>	<p>The industrial park has low-level of Japanese investment. Olympus Vietnam Co. Ltd and Ever Global (Viet Nam) Enterprise Corporation (a joint company between Japanese-Chinese-Samoa-Taiwan) has a presence there out of 32 listed companies.</p>	<p>Name and Address: Sonadezi Corporation, No.1, Road 1, Bienhoa Industrial Zone 1, Dong Nai Province, Vietnam</p> <p>Telephone: +84 61 3514494; +84 61 3514497</p> <p>Email: longthanh2@sonadezi.com.vn</p> <p>Website: www.sonadezi.com.vn</p>	<p>Sonadezi Shareholding Company invested VND 177 billion in the park. In addition, 30 projects worth USD 129 million have been approved. It is not clear if any expansion plans are in place.</p>	<p>Name and Address: Department of Industry and Trade, 54 Hai Ba Trung Str, Hoan Kiem District, Ha Noi, Vietnam</p> <p>Telephone: +84 4 22202222</p> <p>Email: bbt@moit.gov.vn</p> <p>Website: www.moit.gov.vn</p> <p>Amount Contributed: VND 177 billion (Sonadezi Corporation is a state owned enterprise)</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>
<b>XXVN17</b>	Loteco Industrial Park	April 10, 1996	<p>Name and Address: Long Binh Techno Park, Route 15A, Long Binh Ward, Bien Hoa City, Dong Nai Province, Vietnam</p> <p>Telephone: +81 3 68713575 (Japan), +84 61-389 1105 (Vietnam)</p> <p>Fax: +84-61 389 2030 (Loteco industrial park), +84 8 3931 8100 (Sojitz Ho Chi Minh City Office), +81 3 6871 5073 (Sojitz Tokyo Office)</p> <p>Email: longduc@sojitz.com, loteco.epz@hcm.vn.vn, kazama.toshio@sojitz.com</p> <p>Website: www.sojitz-ip.com/loteco/en/index.html#page_outline</p>	<p>The park is located close to the National Highway 1, as well as National Highway 51, which links to Cai Mep-Thi Vai Port. It takes 40-50 minutes by car from Lotecco Industrial Zone to the center of Ho Chi Minh City, Tan Son Nhat International Airport or Cat Lai Port, which handles approximately 40% of containers in Vietnam.</p> <p>Latitude: 10.928601, Longitude: 106.890674</p>	<p>As the main developer of the park is Japanese, the park has significant Japanese investment. Foreign investment receives incentivized tax rates. There is a branch office of Dong Nai Industrial Zone Authority in Lotecco, approving licenses for projects in industrial zones, and helping and resolving the difficulties of enterprises during their investment. This makes the period of evaluation and approval of the investment license no longer than 15 days, 3 days on the average. Customs clearance is carried out at Lotecco to support import and export activities.</p>	<p>There are 18 Japanese firms out of 54 companies (33%).</p>	<p>Name and Address: Sojitz Corporation, 1-20, Akasaka 6-chome, Minata-ku, Tokyo 107-8655, Japan</p> <p>Telephone: +81 3 55204138/ 55202719 (Japan), +84 8 931 8100 (Vietnam)</p> <p>Email: mizuike.yu@sojitz.com (Japan office), fujita.yoshihiro@sea.sojitz.com (Vietnam office)</p> <p>Website: www.sojitz.com</p>	<p>The industrial park occupies 100 ha and is 100% complete and with total investment by capital contributors of USD 40 million. Rental factory size starts from 1,200 sqm with all basic infrastructures. Security and estate management services are provided 24/7. Only a few spots remain open. According to the information available, the developer has no plan to expand on the existing industrial zone. Instead, it has invested and is currently building another industrial zone called Long Duc Industrial Park, about one hour drive away, due to open in 2014.</p>	<p>Name and Address: Sojitz Corporation, 1-20, Akasaka 6-chome, Minata-ku, Tokyo 107-8655, Japan</p> <p>Telephone: +81 3 55204138/ 55202719 (Japan), +84 8 931 8100 (Vietnam)</p> <p>Email: mizuike.yu@sojitz.com (Japan office), fujita.yoshihiro@sea.sojitz.com (Vietnam office)</p> <p>Website: www.sojitz.com</p> <p>Amount Contributed: USD 24.6 million</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: 60%</p> <p>Name and Address: Thai Son Company (owned by Ministry of National Defense), 3 - 3/2 Street - Ward 11 - 10 District - Hochiminh City</p> <p>Telephone: Could not be confirmed from public information.</p> <p>Email: Could not be confirmed from public information.</p> <p>Website: www.thaisoncorp.com.vn</p>

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Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						Cells highlighted green indicate a high level of Japanese investment in the industrial park.			
XXVN18	My Phuoc I-III Industrial Park	Phase 1: 2002 Phase 2: 2004 Phase 3: 2006	Name and Address: My Phuoc Commune, Ben Cat District, Binh Duong Province, Vietnam  Telephone: +84 650 3824 112 Fax: +84 650 3 822 713  Email: vniinvest@becamex.vn, uematsu@becamex.com.vn, kimthyjp@ybb.ne.jp  Website: www.becamex.com.vn/en/business-scope/industrial-parks/my-phuoc-industrial-park/73-customer-information-my-phuoc-industrial-park	The park is located close to the Pacific Highway 13, 38km to the north of Ho Chi Minh City and Tan Son Nhat Airport. It is a similar distance to major port facilities.  Latitude: 11.131667, Longitude: 106.653056	My Phuoc III Industrial Park has an area of 2200 ha. In addition to the usual industrial park amenities such as roads, electricity supply, water and drainage system, this project is unique in that it is fully equipped for modern life, such as parks, nurseries, international schools, markets, hospitals, commercial finance center, administrative center. Especially there is a large Korean supermarket of nearly 6 ha, urban ecology, EcoLakes, senior Western Land resort village Experts Ruby Land, Land CoCo, urban Royal, Lake Ecology.	There are 15 Japanese tenant firms out of 130 investors in My Phuoc 3. This number is considered a moderate amount, compared to other leading foreign investors: South Koreans (35), Taiwanese (35) and Vietnam (20).	Name and Address: Investment and Industrial Development Corporation (Becamex IDC Corp.), 230 Binh Duong avenue, Thu Dau Mot city, Binh Duong province, Vietnam  Telephone: +84 650 3 822 655, +84 650 3 811 777  Email: vniinvest@becamex.vn  Website: www.becamex.com.vn	My Phuoc Industrial Park consists of 5 phases of development, with a total area of 6200 ha (3000 ha of industrial land and 3200 ha of residential/services land). All phases have been completed and in full operation.  As of 2011: Phase I: 400 ha, 100% leased Phase II: 800 ha, 100% leased Phase III: 2200 ha, 70% leased (total area for rent: 659 ha) Phase IV: Thoi Hoa Industrial Park – covered separately Phase V: Bau Bang Industrial Park – covered separately	Name and Address: Investment and Industrial Development Corporation (Becamex IDC Corp.) Address: 230 Binh Duong avenue, Thu Dau Mot city, Binh Duong province, Vietnam  Telephone: +84 650 3 822 655, +84 650 3 811 777  Email: vniinvest@becamex.vn  Website: www.becamex.com.vn  Amount Contributed: Phase 1 – VND 223.7 billion, Phase 2 – VND 440.6 billion, Phase III – VND 1.219.459 billion  Percentage/Ratio of Contribution Compared to Total Capital Contributions: 40%
XXVN19	My Xuan A Industrial Park	January 1, 2002	Name and Address (Industrial park): Huyen Tan Thanh, Tinh Ba Ria Vung Tau, Vietnam  Name and Address (Management company): 151 ter Nguyen Dinh Chieu, Quan 3 Tp. Hoh Chi Minh City  Telephone: +84 8 3843 8883 Fax: +84 8 3931 2705  Email: dautu@idico.com, vnheadoffice@idico.com.vn  Website: http://idico.com.vn/duan/-/Khu-c/C3/NB4ng-ngh/NE1NB9B7p-MNE1NB9B9-Xu/C3/A2n-A-/33/151	The park is located next to Highway 51, 55km from Ho Chi Minh City, 45km from Vung Tau, and 6km from Phu My Port.  Latitude: 10.648958, Longitude: 107.041109	The total area of industrial development is 304 ha. It contains all the infrastructure necessities of a modern industrial park, namely: electricity substation, water supply, telecommunication system, sewage system, gas lines and waste water management. Many amenities, such as a hospital and sports centre, are onsite.	My Xuan A has 34 tenants at present, of which 3 are Japanese firms.	Name and Address: Urban and Industrial Zone Development Investment Corporation (IDICO), 151ter Nguyen Dinh Chieu, District 3, HCM city, Vietnam  Telephone: +84 8 3931266  Email: dautu@idico.com.vn  Website: idico.com.vn/duan/-/Khu-c/C3/NB4ng-ngh/NE1NB9B7p-MNE1NB9B9-Xu/C3/A2n-A-/33/151	My Xuan A is completed with no future expansion plans. My Xuan A2 is a newer park developed by a different developer, Formosa International Development Co. Ltd.	Name and Address: Urban and Industrial Zone Development Investment Corporation (IDICO), 151ter Nguyen Dinh Chieu – District 3 – HCM city – Vietnam  Telephone: +84 8 3931266  Email: dautu@idico.com.vn  Website: idico.com.vn/duan/-/Khu-c/C3/NB4ng-ngh/NE1NB9B7p-MNE1NB9B9-Xu/C3/A2n-A-/33/151  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: 100%
XXVN20	Nhon Trach I Industrial Park	1995	Name and Address: Nhon Trach 1 Industrial Zone, Nhon Trach district, Dong Nai province  Telephone: +84 61 3560475 Fax: +84 61 3560477  Email: urbizco@hcm.vn.vn Website: www.idico.vn	Nhon Trach 1 Industrial Zone is located in Dong Nai province, and is located 60km from Ho Chi Minh city, 40km from Bien Hoa city and 60km from Vung Tau city. When the project "Ho Chi Minh – Long Thanh – Dau Day Expressway" comes into operation, the distance from Nhon Trach 1 industrial zone to Ho Chi Minh city will be shortened to 24 km.  Latitude: 10.669844, Longitude: 106.888604	It is an established park, with a large Vietnamese commercial presence. The park is 448.5 ha in size. Of which, the land area for lease is 323 ha. The main road system within the park has width 22m and 35m with 2 lanes and 4 lanes. The internal road system has width 15 and 22m with 4 lanes. The power supply is leveraging on the national grid with a power line of 110v/22kv and capacity of 103 MVA. The industrial park also has water supply with capacity of 4,500 m3/day and sewage treatment plant with capacity of 2000 m3/day. In terms of telecommunication, there is ADSL, high speed line for internet available and telephone lines can be installed according to lessee's requirement.	The industrial park has low-level of Japanese investment. Yokohama Rubber Co has a subsidiary in the Park and Hirota Precision Vietnam Co. Ltd is also located in the park. Beside this investment the overall Japanese presence is low, around 6%. The total number of firms invested in the park is unavailable.	Name and Address: Urban And Industrial Zone Development Company Limited (IDICO-URBIZ), Industrial Zone Nhon Trach 1, Nhon Trach District, Dong Nai Province, Vietnam  Telephone: +84 61 3560475  Email: urbiz@hcm.vn.vn Website: www.idico-urbiz.com.vn	In April 2013, there was an announcement by the Urban and Industrial Development Company to develop 100,284 sq.m of residential, shopping and sport facilities inside the Industrial Park. The development is expected to last 8 years and to cost VND 758 billion.	Name and Address: Ministry of Construction, 37 Le Dai Hanh, Ha Noi, Vietnam  Telephone: +84 4 3821 5137  Email: ttth@moc.gov.vn Website: www.xaydung.gov.vn  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
XXVN21	Nomura Industrial Park	1997	Name and Address: Management Building, Nomura-Haiphong Industrial Zone, AnDuong District, Haiphong City, Vietnam  Telephone: +84 31 3743026 Fax: +84 31 3743613 Email: customerservice@hpnomura.com Website: www.hpnomura.com	The park is located close to the east coast of Vietnam and 20km east of Haiphong Seaport. It is located some 10km west of Haiphong city center and approximately 13km west of Haiphong Cat Bi Airport. The park itself is located along Highway 5, a main road that connects the park to the rest of the city.	The park is approximately 300 ha in total area. The main developed of the park, Nomura, is a Japanese company, so the park has attracted significant Japanese investment.	There are in excess of 25 Japanese investors in the park.	Name and Address: Nomura-Haiphong Industrial Zone Development Corporation Address: Management Building, Nomura-Haiphong Industrial Zone, AnDuong District, Haiphong City, Vietnam  Telephone: +84 31 3743026  Email: customerservice@hpnomura.com Website: www.hpnomura.com	The park contains all the necessary utilities and infrastructures for investors to conduct operations: water supply and treatment plant, electricity supply, telecommunications and paved internal road network. There are also various low-rise buildings including office and factory operations. There is an onsite business centre containing a bank, minimart, and common utilities. There was conflicting information regarding the space available in the park.	Name and Address: Nomura Asia Investment (Vietnam) Pte Ltd. Address: Specific address for this firm Could not be confirmed from public information.  Telephone: Could not be confirmed from public information.  Email: Could not be confirmed from public information. Website: Could not be confirmed from public information.  Amount Contributed: Could not be confirmed from public information.  Percentage/Ratio of Contribution Compared to Total Capital Contributions: Unavailable, but total capital contributed by all contributors was USD 120.5 million  Name and Address: Haiphong Peoples' Committee, Ministry of Culture and Information, 24 Vo Thi Sau, Ngq Quyuen, Haiphong Telephone: +84 31 3552288

# Vietnam

Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						Cells highlighted green indicate a high level of Japanese investment in the industrial park.			
									<p>Email: congthongtientu@haiphong.gov.vn Website: haiphong.gov.vn/Portal/Content.aspx?Organization=UBNDTP.EnsMenuID=3303</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>
<b>XXVN22</b>	Phu My I Industrial Park	April 2, 1998	<p>Name and Address: Phu My I, Tan Thanh District, Ba Ria-Vung Tau province, Vietnam</p> <p>Telephone: +84 64 3593 440</p> <p>Fax: +84 64 3593 441 Email: inform@izico.com.vn Website: www.izico.com.vn</p>	<p>Phu My I Industrial Park is located in Phu My Town in Tan Thanh District, Ba Ria – Vung Tau province. It borders My Xuan A1 Industrial Park in the north, Cai Mep Industrial Park in the south, National Highway 51 in the east and a system of international ports on Thi Vai River in the west.</p> <p>Latitude: 10.60538, Longitude: 107.043436</p>	<p>The park is a 945 ha development area. The park is the only place in the country to have a source of gas supplied and distributed directly from the Nam Con Son Gas Pipeline Project and Bach Ho Gas Station. The system of sea deep water ports on Thi Vai River can receive 60,000 DWT ships and will help investors in the park transport goods, materials and equipment. There will be a railway network to connect Ho Chi Minh City and Bien Hoa to Ba Ria –Vung Tau, crossing the park, in the future.</p>	<p>There is only one Japanese firm out of 65 tenants.</p>	<p>Name and Address: Phu My I and Dong Xuyen Industrial Zone Infrastructure Investment and Operation Company (IZICO), 105 Binh Gia Street, Ward 8, Vung Tau City, Ba Ria Vung Tau Province.</p> <p>Telephone: +84 64 3593 440</p> <p>Email: inform@izico.com.vn Website: www.izico.com.vn</p>	<p>Phu My I Industrial Park itself is completed and open for investment. The park has all the necessary infrastructural attributes including an internal road system, electricity grid, water supply, waste management system etc. There are no immediate expansion plans. However, there are other parks nearby called Phu My II and III which are developed by different developers under different licenses.</p>	<p>Name and Address: Phu My I and Dong Xuyen Industrial Zone Infrastructure Investment and Operation Company (IZICO), 105 Binh Gia Street, Ward 8, Vung Tau City, Ba Ria Vung Tau Province.</p> <p>Telephone: +84 64 3593 440</p> <p>Email: inform@izico.com.vn Website: www.izico.com.vn</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>
<b>XXVN23</b>	Phu Nghia	2008	<p>Name and Address: PhuMy Group, Km25 QL6, Phu Nghia, Chuong My, Hanoi, Vietnam</p> <p>Telephone: +84 4 6326 7557</p> <p>Fax: +84 4 33 718 418 Email: haikd@phumygroup.com.vn Website: www.phumygroup.com.vn</p>	<p>The park is located on Highway 6 about 20km from the center of Hanoi, 30km from Noi Bai International Airport, 130km from Haiphong port and 5km from Highway 21A.</p> <p>Latitude: 20.927445, Longitude: 105.672731</p>	<p>The park has a total area of 170 ha. In addition to all utilities and infrastructural supports necessary for a fully functional industrial park, Phu Nghia emphasizes a high quality of life for workers. Thus, the developers have built both residential and recreational areas for workers in this industrial park. Additional services include rental warehouse facilities, legal consultancy, planning advisory services, business development, referral partners and product sales.</p>	<p>There are three Japanese firms operating here out of around 60 tenant companies.</p>	<p>Name and Address: PhuMy Group, Km25 QL6, Phu Nghia, Chuong My, Hanoi, Vietnam</p> <p>Telephone: +84 4 6326 7557</p> <p>Email: haikd@phumygroup.com.vn Website: www.phumygroup.com.vn</p>	<p>In 2011, Phu Nghia phase one was approaching 70% capacity. There is no public information on its completion date. However at present, phase two is under construction and will provide additional rental spaces of 238 ha.</p>	<p>Name and Address: PhuMy Group, Km25 QL6, Phu Nghia, Chuong My, Hanoi, Vietnam</p> <p>Telephone: +84 4 6326 7557</p> <p>Email: haikd@phumygroup.com.vn Website: www.phumygroup.com.vn</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: 100%</p>
<b>XXVN24</b>	Phuc Dien Industrial Park	2002	<p>Name and Address: Nam Quang Investment and Development Infrastructure Joint Stock Company Address: Phuc Dien Industrial Zone, Cam Giang District, Hanoi, Vietnam</p> <p>Telephone: +84 320 752 261</p> <p>Fax: +84 32484283</p> <p>Email: info@quangminh-zone.com Website: www.vidgroup.com.vn/investment-projects/infrastructure-facilities/a-phuc-dien-industrial-zone/</p>	<p>The park is located just off the south side of National Highway 5, approximately 40km southeast of Hanoi city center and 68km southeast of Noi Bai International Airport. It lies 60km from Haiphong seaport and 75km from Quang Ninh Cai Lan seaport. The town of Hai Duong is the closest settlement of substantial size some 12-15km to the east of the park.</p> <p>Latitude: 20.930278, Longitude: 106.191111</p>	<p>The park covers a total of 87 ha. Space in the park is ready to rent, with some 35% of the park is free for occupation and development by further investors. The developer has a 50-year land lease for the park, ending in 2052.</p>	<p>7 Japanese companies are listed as operating within the park. No information on the total number of investors was publicly available.</p>	<p>Name and Address: VID Group, 115 Tran Hung Dao Str., Hoan Kiem Dist., Hanoi, Vietnam</p> <p>Telephone: +84 3248 4282</p> <p>Email: vanphong@vidgroup.com.vn Website: www.vidgroup.com.vn</p>	<p>The park has all the necessary onsite utilities required by investors for their operations: fresh water supply, waste water treatment, electricity and telecommunications. The internal infrastructure and road network of the park is complete. The park is 65% filled with 1-2 floor workshops/manufacturing facilities and 1-4 floor low-rise office facilities.</p>	<p>Name and Address: VID Group, 115 Tran Hung Dao Str., Hoan Kiem Dist., Hanoi, Vietnam</p> <p>Telephone: +84 3248 4282</p> <p>Email: vanphong@vidgroup.com.vn Website: www.vidgroup.com.vn</p> <p>Amount Contributed: VND 70 Billion</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>
<b>XXVN25</b>	Quang Minh IZ	2003	<p>Name and Address: VID Group Address: 115 Tran Hung Dao Str., Hoan Kiem Dist., Hanoi, Vietnam</p> <p>Telephone: +84 3248 4282</p> <p>Fax: +84 32484283</p> <p>Email: vanphong@vidgroup.com.vn</p> <p>Website: www.vidgroup.com.vn/investment-projects/infrastructure-facilities/quang-minh-industrial-zone/</p>	<p>The park is some 15km north of Hanoi city centre, 100km west of Hai Phong Seaport, less than 3km south of Noi Bai International Airport and over 120km from Quang Ninh Cai Lan deep seaport.</p> <p>Latitude: 21.192778, Longitude: 105.764444</p>	<p>Located in the Me Linh district of Hanoi, the park covers 344 ha in total. The land lease for this park is valid until 2053.</p>	<p>There are currently 7 Japanese companies invested within the park. No information regarding the total number of firms currently invested in the park was available.</p>	<p>Name and Address: Nam Duc Investment and Development Infrastructure Co. Ltd. (owned by VID Group), Located within Quang Minh Industrial Park</p> <p>Telephone: +84 2201 4649, +84 4 754 5272</p> <p>Email: Could not be confirmed from public information. Website: Could not be confirmed from public information.</p>	<p>The park's internal infrastructure is complete and all utilities (water, electricity and telecommunications) are present and will be connected to each land plot as and when required. There was little public information regarding other onsite facilities, but various low-rise industrial buildings (warehouses, factories, other manufacturing facilities) are currently operational on site. The park website says construction of an onsite 'workshop' is to commence in 4 month's time, but is not dated and provides no details on the workshop capabilities.</p>	<p>Name and Address: Nam Duc Investment and Development Infrastructure Co. Ltd. (owned by VID Group), Located within Quang Minh Industrial Park</p> <p>Telephone: +84 2201 4649, +84 4 754 5272</p> <p>Email: Could not be confirmed from public information. Website: Could not be confirmed from public information.</p> <p>Amount Contributed: VND 300 Billion</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>
<b>XXVN26</b>	Que Vo I Industrial Park	December 19, 2002	<p>Name and Address: Kinh Bac City Development Holding Corp, Lot B7, Que Vo IP, Que Vo District, Bac Ninh Province, Vietnam</p> <p>Telephone: +84 241 363 4034</p> <p>Fax: +84 241 363 4035</p> <p>Email: info@kinhbacity.com Website: kinhbacity.vn/news/</p>	<p>The park is located along Highway 18 approximately 24km northeast of Hanoi City, 30km east of Noi Bai International Airport, 110km west of Haiphong and Cai Lan Seaports.</p> <p>Latitude: 21.157222, Longitude: 106.114167</p>	<p>The manufacturing plants in the park are largely geared towards hi-tech electronic parts manufacturing. Companies such as Samsung have invested in the park and spent significant funds to construct their own purpose-built facilities.</p>	<p>At least 8 Japanese companies are listed as tenants in the park, but information regarding the total number of investors was not available</p>	<p>Name and Address: Kinh Bac City Development Holding Corp, Lot B7, Que Vo IP, Que Vo District, Bac Ninh Province, Vietnam</p> <p>Telephone: +84 241 363 4034</p> <p>Email: info@kinhbacity.com Website: kinhbacity.vn/news/</p>	<p>The entire park extends across 600 ha in total and was built in two stages. The second stage of development occurred in 2006. The park site is primarily composed of low-rise structures including warehousing, manufacturing plants and office space.</p>	<p>Name and Address: Kinh Bac City Development Holding Corp, Lot B7, Que Vo IP, Que Vo District, Bac Ninh Province, Vietnam</p> <p>Telephone: +84 241 363 4034</p> <p>Email: info@kinhbacity.com Website: kinhbacity.vn/news/</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>
<b>XXVN27</b>	Sai Dong B Industrial Zone	1996	<p>Name and Address (Sai Dong A): The Sai Dong Zone, Gia Lam District, Hanoi</p> <p>Name and Address (Sai Dong B): Thach Ban, Gia Lam District, Hanoi</p>	<p>Sai Dong A: The site borders National Highway 5. The park is located about 8km from the center of Hanoi and within easy reach of Gia Lam Domestic Airport and Noi Bai International Airport.</p>	<p>Sai Dong A: Total land area is 407 ha. Out of that, 147 has the industrial zone, 105 ha housing, 105 ha business zone, 105 ha green park and public zone. Industries in the park include: mechanical, electronics, automobile, precise manufacturing, light industry and high-tech manufacturing.</p>	<p>There are at least 4 Japanese firms operating in this industrial park. There are possibly more, but public information on this is limited.</p>	<p>Name and Address: Hanoi Electronics Corporation (Hanel), No 2, Chua Boc, Dong Da District, Hanoi, Vietnam</p>	<p>Sai Dong Industrial Zone has two phases, A and B. Both are in full operation, with no public plans for expansion. Sai Dong A seems to be operating near capacity, while Sai Dong B has rental space available.</p>	<p>Name and Address: Hanoi Electronics Corporation (Hanel), No 2, Chua Boc, Dong Da District, Hanoi, Vietnam</p> <p>Amount Contributed: Could not be confirmed from public information.</p>

# Vietnam

Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						Cells highlighted green indicate a high level of Japanese investment in the industrial park.			
			<p>Telephone: +84 4 3852 2102 / 3852 4555</p> <p>Fax: +84 4 3852 5770</p> <p>Email: info@hanel.com.vn</p> <p>Website: www.hanel.com.vn</p>	<p>Latitude: 21.030492, Longitude: 105.919198</p> <p>Sai Dong B: On the opposite side of National Highway 5 from Sai Dong A.</p> <p>Latitude: 21.024818, Longitude: 105.920695</p>	<p>Textile manufacturing.</p> <p>Sai Dong B: The Sai Dong B Industrial Zone covers 97.11 ha. It includes 78.38 ha of land for industrial development and a further 18.73 ha for auxiliary construction.</p>		<p>Telephone: +84 4 3852 2102 / 3852 4555</p> <p>Email: info@hanel.com.vn</p> <p>Website: www.hanel.com.vn</p>		<p>Telephone: +84 4 3852 2102 / 3852 4555</p> <p>Email: info@hanel.com.vn</p> <p>Website: www.hanel.com.vn</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: 40%</p> <p>Name and Address: DAEWOOD Corporation Address: 9th Floor, DAEHA business center 360 Kim Ma, Ba Dinh, District, Hanoi</p> <p>(Contact person: Director/Manager, Mr. Muh Jung Huh)</p> <p>Telephone: +84 4 38 315 173 (Mr. Muh Jung Huh)</p> <p>Email: Could not be confirmed from public information.</p> <p>Website: Could not be confirmed from public information.</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: 40%</p>
XXVN28	Saigon Hi-Tech Park	2000	<p>Name and Address: D1, Saigon Hi-Tech Park Tan Phu Ward, District 9, Ho Chi Minh City, Vietnam, Ho Chi Minh</p> <p>Telephone: +84 8 37360293</p> <p>Fax: +84 8 37360292</p> <p>Email: info@shtpv.org</p> <p>Website: www.shtp.hochiminhcity.gov.vn</p>	<p>Saigon Hi-Tech Park is located in District 1 Ho Chi Minh City. It is situated 15km from the city centre, and located near the HCM City National University.</p>	<p>It is a specially focused technical park, with a special link with the HCM City National University. It recently underwent a major expansion in size, and is hoping to attract investors in science and technology based industries. It has good infrastructure capabilities and in close to the centre of Ho Chi Minh City. In terms of firms operating in the park, there is a strong international presence with firms from the US, France and Denmark.</p>		<p>Name and Address: Saigon Hi-Tech Park Management Board: 86 Le Thanh Ton Street, District 1, HCM City, Vietnam</p> <p>Telephone: Tel: +84 8 8275359</p> <p>Email: info@shtpv.org</p> <p>Website: www.shtp.hochiminhcity.gov.vn</p>	<p>The park is being expanded from 326 hato 913 ha. Phase 1 is complete and 95% of high tech manufacturing land has been rented out, and 100% of the high tech services has been leased out. Phase 2 construction began in January 2013 and is focused on infrastructure expansion. No further details on phase 2 development plans were publicly available.</p>	<p>Name and Address: Ho Chi Minh City People's Committee, 59 Ly Tu Trong, District 1, Ho Chi Minh City</p> <p>Telephone: +84 8 38226191</p> <p>Email: bb@hochiminhcity.gov.vn</p> <p>Website: www.sng.hochiminhcity.gov.vn/aboutgovernment/Lists/Posts/AllPosts.aspx?CategoryId=10</p> <p>Amount Contributed: VND8 trillion of state funds</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>
XXVN29	Vietnam-Singapore Industrial Park Phase 2	1996 (Phase 1) 2005 (Phase 2.1) 2008 (Phase 2.2)	<p>Name and Address: Vietnam-Singapore Industrial Park, No. 8 Huu Nghi ave, VSIP Building, Thuan An town, Binh Duong province, Vietnam</p> <p>Telephone: +84 650 3743 898</p> <p>Fax: +84 650 3743 430</p> <p>Email: vsip.mktg@hcm.vnn.vn, vsip.japan@vsip.com.vn</p> <p>Website: www.vsip.com.vn</p>	<p>Phase 1 is about 20km north of Ho Chi Minh City, international airport and major seaport facilities.</p> <p>Phase 1: Latitude: 10.927202, Longitude: 106.731693</p> <p>Phase 2 is about 15km further north from Phase 1.</p> <p>Phase 2: Latitude: 11.088404, Longitude: 106.682102</p>	<p>Phase 1: The park spans a land area of 500 ha. It has onsite government support in the form of approval authorities and relevant Ministry representatives. The management adheres to Singapore quality management standards. It has full infrastructure, including: security team, power, water, sewage treatment and telecommunications. Skilled workers are supplied via the Vietnam-Singapore Technical School. The phase occupancy rate is near 100%.</p> <p>Phase 2: Offers investors prepared land parcels and ready-built factories in a fully integrated manufacturing environment. Phase 2.1 is 345 ha. Phase 2.2 comprises 1,000 ha of industrial park and 700 ha of township/residential development. Phase 2 has available rental space.</p>		<p>Name and Address: Vietnam-Singapore IP Pte. Ltd, No. 8, Huu Nghi Boulevard, Thuan An Dist., Binh Duong Province</p> <p>Telephone: +84 65 3 743 898</p> <p>Email: vsip.mktg@hcm.vnn.vn, vsip.japan@vsip.com.vn</p> <p>Website: www.vsip.com.vn/Default.aspx?pid=0008&amp;mid=0009&amp;ndi=2&amp;lang=en</p>	<p>The construction of Phase 1 and Phase 2.1 have been completed for some time. Phase 2.2 has an expected investment capital of USD 2 billion and an expected workforce of 40,000. As of the end of 2011, Phase 2.2 had an occupancy rate of 30%. There is no future expansion planned for either Phase 1 or 2.</p>	<p>Name and Address: Vietnam-Singapore Industrial Park Pte Ltd (VSIPPL), No. 8, Huu Nghi Boulevard, Thuan An District, Binh Duong Province</p> <p>Telephone: +84 65 3 743 898</p> <p>Email: vsip.mktg@hcm.vnn.vn, vsip.japan@vsip.com.vn</p> <p>Website: www.vsip.com.vn/Default.aspx?pid=0008&amp;mid=0009&amp;ndi=2&amp;lang=en</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: 51%</p> <p>Name: Investment and Industrial Development Corporation (Becamex IDC Corp.), 230 Binh Duong avenue, Thu Dau Mot city, Binh Duong Province, Vietnam</p> <p>Telephone: +84 650 3 822 655, +84 650 3 811 777</p> <p>Email: vniinvest@becamex.vn</p> <p>Website: www.becamex.com.vn</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: 49%</p>
XXVN30	Song Than III Industrial Park	2005	<p>Name and Address: Binh Duong Industrial Service and Residential Complex, Phu Tan ward, Thu Dau Mot city, Binh Duong province, Vietnam</p> <p>Telephone: +84 8 37 963 379, +84 8 37 963 384</p> <p>Fax: +84 8 37 963 378</p> <p>Email: songtan3sc@yahoo.com</p>	<p>Song Than III is 4km from Thu Dau town center, 30km from Ho Chi Minh City, 18km from Bien Hoa City, 20km from Tan Cang port and 22km from Tan Son Nhat Airport.</p> <p>Latitude: 11.032201, Longitude: 106.69751</p>	<p>This is a very new industrial park. The types of companies investing in this park include package and distribution, foods processing, electronics, electric cable, cosmetic, resin adhesive, sport equipment, leather products and household utensils. The park is served by dual carriageway. It also has own sewage treatment plant, high speed internet (ADSL) and telephone lines.</p>		<p>Name and Address: Dai Nam Joint Stock Company, 1765 Binh Duong boulevard, Hiep An ward, Thu Dau Mot city, Binh Duong province, Vietnam</p> <p>Telephone: +84 650 3 845 845, +84 650 3 845 878, +84 650 3 829 605</p> <p>Email: hd.group@hcm.vnn.vn, huyentrang@dulichdainam.com</p>	<p>Song Than III is the most recent extension of Song Than Industrial Park project within Binh Duong Urban Complex. It has the total area of 533 hawth the rental area of 327 ha. At present, it has the occupancy rate of 25%, having only been in full operation since 2008.</p>	<p>Name and Address: Dai Nam Joint Stock Company, 1765 Binh Duong boulevard, Hiep An ward, Thu Dau Mot city, Binh Duong province, Vietnam</p> <p>Telephone: +84 650 3 845 845, +84 650 3 845 878, +84 650 3 829 605</p> <p>Email: hd.group@hcm.vnn.vn, huyentrang@dulichdainam.com</p>

# Vietnam

Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						Cells highlighted green indicate a high level of Japanese investment in the industrial park.			
			Website: Could not be confirmed from public information.				Website: lacanhdainamvanhien.vn/bat-dong-san/index.html		Website: lacanhdainamvanhien.vn/bat-dong-san/index.html Amount Contributed: VND 935,945 billion Percentage/Ratio of Contribution Compared to Total Capital Contributions: 100%
XXVN31	Tan Binh Industrial Park	1997	Name and Address: 108 Tay Thanh St., Ward 15, Tan Binh District, Ho Chi Minh City Telephone: +84 8 8152434, +84 8 8150073 Fax: +84 8 8150074 Email: kcontanbinh@hcmfpt.vn Website: www.tanimex.com.vn	Tan Binh Industrial Park is located in Tan Phu district, Ho Chi Minh City, and is 10km from the centre of the city. Latitude: 10.816509, Longitude: 106.625297	This park is very close to capacity limit, and thus provides very limited scope for investment. The total land area of the industrial park is 125.7 ha. The infrastructure is well developed with a completed traffic network, power station, water supply and local and international communication facilities. The internal road system has width 17m and 20m with 4 lanes. The power supply in the Industrial Park is transmitted through 22kv medium voltage lines. The industrial park also has water supply with capacity of 100,000 m <sup>3</sup> /day. There is also a sewage treatment plant with capacity of 2,000 cu.m/day. In terms of telecommunication, there is ADSL high speed line and telephone lines can be installed according to lessee's requirement.	The industrial park has low-level of Japanese investment. Of the 141 firms listed, 2 are Japanese. These companies included Acecook Vietnam Co.Ltd, Hoshino Vietnam. In addition there were several international firms (South Korea, Canadian) but not Japanese.	Name and Address: Tan Binh Import Export Corporation, No. 89, Ly Thuong Kiet street, Tan Binh district, Ho Chi Minh City Telephone: +84 8 8161254, +84 8 8150073  Email: Could not be confirmed from public information. Website: www.tanimex.com.vn	There were plans to expand the park, starting in 2012. However these plans were delayed because of pending approval from the Ministry of Planning and Investment. The approval seems unlikely base on the rapid development of Tan Binh II Industrial Park, which provides additional capacity. 141 companies invested in the Park, with VND 240 billion in total investments (including construction).	Name and Address: Ho Chi Minh City People's Committee, 59 Ly Tu Trong, District 1, Ho Chi Minh City Telephone: +84 8 38226191  Email: bb@hochiminhcity.gov.vn Website: www.eng.hochiminhcity.gov.vn/aboutgovernment/Lists/Posts/AllPosts.aspx?CategoryID=10 Amount Contributed: Could not be confirmed from public information. Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
XXVN32	Tan Duc Industrial Zone	2003	Name and Address: Tan Duc Joint Stock Company, Tan Duc Industrial Park, Duc Hoa Commune, Duc Hoa Dist., Long An Province Telephone: +84 72761821 Fax: +84 8 7543 505 Email: contact@itaxgroup.vn.com Website: itaxexpress.com.vn	The park is located in the Duc Hoa District of Long An Province. It is located some 20km west of Ho Chi Minh City centre and Tan Son Nhat International Airport. The park is connected to province road No. 830, 824 and 825 (province road No. 10 - Ho Chi Minh City), which is connected to Nation Highway 1A. It is also linked to the Vam Co Dong River. Latitude: 10.7906466, Longitude: 106.5160561	The park covers a total area of some 544 ha with 198 ha currently available for investors to lease. There are a number of companies from China and South Korea invested in the park. There have been more than 30 factories constructed by investors on site since 2007.	There are currently 80 companies operating within the park, of which 13 are foreign companies, one for which is Japanese (Perubco Nitto Kako Co Ltd).	Name and Address: Tan Tao Group Address: Lũu 4, Lũ 80A, đường số 2, KCN Tân Tào, P. Tân Tào A, Q. Bình Tân, TP. HCM Telephone: +84 8 7543 505  Email: info@itaxexpress.com.vn Website: itaxexpress.com.vn	The park was constructed in two phases. Phase one consisted of 276 ha and phase two of 280 ha. The park has all the necessary internal infrastructures and utilities required by investors for their operations: concrete road network, water supply and treatment, electricity and telecommunications. The developer - Tan Tao Group - are currently engaged in the creation of a 422 ha residential complex to house the labour used by park investors. It is expected that the complex will house some 50,000+ labourers when complete.	Name and Address: Tan Tao Group Address: Lũu 4, Lũ 80A, đường số 2, KCN Tân Tào, P. Tân Tào A, Q. Bình Tân, TP. HCM Telephone: +84 8 7543 505  Email: info@itaxexpress.com.vn Website: itaxexpress.com.vn Amount Contributed: Could not be confirmed from public information. Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
XXVN33	Tan Thuan Export Processing Zone	1991	Name and Address: 105 Tay Thanh Street, Ward 15, Tan Binh District, Ho Chi Minh City  Telephone: +84 8 38161254 Fax: Could not be confirmed from public information. Email: ttexp@saigonnet.vn Website: www.tanthuan.com	Tan Thuan Export Processing Zone is located in District 7 in Ho Chi Minh City and 4km from the city centre. Latitude: 10.751396, Longitude: 106.740289	The park is 300 ha in size. The Zone's traffic network is completed, and it has its own power station and water station. It also has a waste water treatment plant, and telecommunications systems are in place. The main road system within the park has width of 30m with 6 lanes. The internal road system has width 12m and 20m with 4 lanes. The power supply in the Industrial Park is transmitted through 22kv medium voltage lines. The industrial park also has water supply with capacity of 35,000 cu.m/day. There is also a sewage treatment plant with capacity of 10,000 cu.m/day. Waste water from factories within the zone, after treated by each company, will be collected into the waste water treatment plant through public pipelines for treatment before being discharged into the river. In terms of telecommunication, there is ADSL high speed line and telephone lines can be installed according to lessee's requirement. There are also other utilities include bonded warehouse, clinic, bank, dormitory, employee training and recreation center, standard factory, incubation center.	The industrial park has high-level of Japanese investment. More than 30% of firms are Japanese. Of the 133 firms listed in the park, 55 are Japanese.	Name and Address: Tan Thuan Corporation (TTC) Huỳnh Tân Phát street, Tan Thuan Dong ward, district 7, Ho Chi Minh City  Telephone: +84 8 7701777 / 888  Email: Could not be confirmed from public information. Website: www.tanthuan.com	The park has a total investment capital exceeding USD 1.2 billion thus far, with annual import-export revenue of over USD 2 billion. The Taiwan based Central Trading & Development Group has invested USD 750million in three projects in Ho Chi Minh City, including the Tan Thuan EPZ.	Name and Address: Tan Thuan Industrial Promotion Company (IPC) (Owned by HCM City People's Committee), 19th Floor, IPC Tower, 1489 Nguyen Van Linh Street, Tan Phong Ward, District 7, Ho Chi Minh City, Vietnam Telephone: +84 8 37700651  Email: info@ttipc.vn Website: www.tttipc.vn Amount Contributed: Could not be confirmed from public information. Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
XXVN34	Thang Long I Industrial Park	February 22, 1997	Name and Address: Thang Long Industrial Park Corporation, Thang Long Industrial Park, Dong Anh District, Hanoi, Vietnam, 10000  Telephone: +84 4 3881 0820 Fax: +84 4 3881 06244 Email: kenta.kawanabe@sumitocorp.co.jp (Director: Kenta Kawanabe, mobile number: +84 972 392 938) Website: ttip2.com/?page_id=19122	The park is located halfway between Hanoi City and Noi Bai International Airport, 14km from Noi Bai International Airport and 16km from Hanoi city center. It is also 122km from Haiphong Port and 120km from Cai Lan Port. Latitude: 21.11573, Longitude: 105.779504	The Park was developed in a joint venture between a local developer and a large Japanese corporation (Sumitomo Corp.). As a result, it has attracted significant Japanese investment. This is one of the first private industrial parks in Vietnam. It offers both industrial spaces and office spaces for rent. The park operation company provides a wide sphere of support to its clients, including all required infrastructure, such as electricity and water supply, and services for raw material procurement, logistics and employee recruitment. Exports from the park make up almost 5% of Vietnam's total annual exports in terms of value. The park generates employment for about 50,000 Vietnamese workers. The park was the first industrial park in Vietnam to meet the ISO 14001 standards for environmental protection.	Of the 86 firms in the park, over 35 are Japanese.	Name and Address: Thang Long Industrial Park Corporation, Dong Anh District, Hanoi, Vietnam, 10000  Representatives: Mr. Tomoyasu SHIMIZU - General Director Mr. Pham Van LOC - First Deputy General Director  Telephone: +84 4 3881-0820  Email: tomoyasu.shimizu@sumitocorp.co.jp, pham.loc@tlpi.com  Website: www.ttip1.com	The park has a total area of 274 ha. It has been developed in three phases. All are fully completed and operational. There is no plan to further expand this park. However, the developers are currently building Thang Long II Industrial Park, which is covered separately.	Name and Address: Sumitomo Corporation Overseas Industrial Park Department, Team Number 2, Kota Hosaka Telephone: +81 3 5166 3225  Email: kota.hosaka@sumitocorp.co.jp Website: www.sumitocorp.co.jp/indpark-e/index.html Amount Contributed: USD 1,419 million

# Vietnam

Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
									<p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: 58%</p> <p>Name and Address: Dong Anh Mechanical Company, National road no.3 Km12 +800, Dong Anh town, Hanoi, Vietnam</p> <p>Telephone: +84 4 3 8833818</p> <p>Email: info@ckda.vn</p> <p>Website: www.cokhidongan.com/</p> <p>Amount Contributed: USD 1,028 million</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: 42%</p>
<b>XXVN65</b>	Thang Long II Industrial Park	November 1, 2006	<p>Name and Address: Thang Long Industrial Park II, Yen My district, Hung Yen province, Vietnam</p> <p>Telephone: +84 321 3974 620</p> <p>Fax: +84 321 3974 624</p> <p>Email: kenta.kawanabe@sumitomocorp.co.jp (Director: Kenta Kawanabe, mobile number: +84 972 392 936)</p> <p>Website: tip2.com/?page_id=19422</p>	<p>The park is some 30km southeast of Hanoi city center, 59km southeast of Noi Bai International Airport and 80km west of Hai Phong seaport. It is located along NR39, just south of National Road 5. There is easy access to new National Road 1, which connects to China and Thailand.</p> <p>Latitude: 20.915833, Longitude: 106.066389</p>	<p>Thang Long II is an extension of the popular Thang Long I, which was established back in 1997. It is a joint development between three investors, two Japanese (Sumitomo Corp. and Sumitomo Corp. Vietnam LLP) and one Vietnamese corporation (and Thang Long Industrial Park Corporation). As such it has attracted significant Japanese investment. The Park is ISO 14001 certified for its environmental management system. The park has Labour Recruitment service with reach into the surrounding areas, including relationships with a number of high schools that have some 33,000 graduates per year potentially seeking employment in the park.</p>	<p>At present, there are over 70 tenant companies, of which around 30 tenants are Japanese companies.</p>	<p>Name and Address: Thang Long Industrial Park II, Yen My district, Hung Yen province, Vietnam</p> <p>Telephone: +84 321 3974 620</p> <p>Email: kenta.kawanabe@sumitomocorp.co.jp (Director: Kenta Kawanabe, mobile number: +84 972 392 936)</p> <p>Website: tip2.com/?page_id=19422</p>	<p>The park has the total industrial development area of some 220 ha, 65% of which has been filled. There are on-site factories and office blocks vacant and ready for companies to move in and utilize for manufacturing. The park has flood countermeasures such as dykes, drainage channels and a drainage pump station. It also has its own complete and operational industrial water supply/treatment system, power supply, substation 110kV/22kV connected directly to the National High Voltage Grid and an internal road system. Other services include a logistics center, a Japanese restaurant, a Japanese grocery shop, a fire fighting station and banking services.</p>	<p>Name and Address: Sumitomo Corporation, Harumi Island Triton Square Office Tower Y 8-11 Harumi 1-home, Chuo-ku, Tokyo 104-8610 Japan</p> <p>Telephone: +81 3 5166 5000</p> <p>Email: Could not be confirmed from public information.</p> <p>Website: www.sumitomocorp.co.jp</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: total contributions by all contributors were some USD 2.45 billion</p> <p>Name and Address: Thang Long Industrial Park Corporation, Thang Long Industrial Park, Vong La commune, Dong Anh District, Ha Noi City, Vietnam 10,000</p> <p>Telephone: +84 3 8810620</p> <p>Email: tomyasu.shimizu@sumitomocorp.co.jp (Mr. Tomoyasu Shimizu – General Director)</p> <p>Website: www.tip1.com/?page_id=368&amp;lang=en</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p> <p>Name and Address: Sumitomo Corporation Vietnam LLC, 11th Floor, Hanoi Tower, 49 Hai Ba Trung Street, Hanoi, Vietnam</p> <p>Telephone: +84 4 3825 8818</p> <p>Email: Could not be confirmed from public information.</p> <p>Website: www.sumitomocorp.co.jp/english/company/poin t/asia.html</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>
<b>XXVN66</b>	Thoi Hoa Industrial Park	October 12, 2007	<p>Name and Address: Thoi Hoa Industrial Park, Thoi Hoa commune, Ben Cat district, Binh Duong province, Vietnam</p> <p>Telephone: +84 650 3822 713</p> <p>Fax: Could not be confirmed from public information.</p> <p>Email: uematsu@becamex.com.vn (Mr. Kanji Uematsu – Becamex sale representative)</p> <p>Website: Could not be confirmed from public information.</p>	<p>The park is situated on Highway No.13, about 37km north of Ho Chi Minh City. It is within a similar distance to the main international airport and sea terminal. Furthermore, it is part of Binh Duong Industrial – Service and Residential Complex, one of the largest industrial zones designated by the Vietnamese government.</p> <p>Latitude: 11.104905, Longitude: 106.623882</p>	<p>Thoi Hoa was developed by Becamex, a government-owned enterprise. It is Phase 4 of Becamex's My Phuoc Industrial Park.</p>	<p>There is no information publicly available on firms currently operating in this park, Japanese or otherwise.</p>	<p>Name and Address: Investment and Industrial Development Corporation (Becamex IDC Corp.), 230 Binh Duong Avenue, Thu Dau Mot City, Binh Duong Province</p> <p>Telephone: +84 650 3822655</p> <p>Email: vninvest@becamex.vn</p> <p>Website: becamex.com.vn/en/business-scope/industrial-parks/bau-bang-residential-and-industrial-park</p>	<p>This park occupies an area of 800 ha. It started leasing space in 2009. Industrial land for presently for rent: 134.59 ha. Public information indicates that the park is still under construction as of the end of 2012.</p>	<p>Name and Address: Investment and Industrial Development Corporation (Becamex IDC Corp.), 230 Binh Duong Avenue, Thu Dau Mot City, Binh Duong Province</p> <p>Telephone: +84 650 3822655</p> <p>Email: vninvest@becamex.vn</p> <p>Website: becamex.com.vn/en/business-scope/industrial-parks/bau-bang-residential-and-industrial-park</p> <p>Amount Contributed: VND 339.442 billion</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>
<b>XXVN67</b>	Vinh Loc Industrial Park	1997	<p>Name and Address: Vinh Loc Industrial Park, A/59/1 No.7 Str, Binh Hung Hoa B Ward, Binh Thuan Dist, Ho Chi Minh City</p> <p>Telephone: +84 8 37650946, +84 8 37651260</p> <p>Fax: +84 8 37650303</p> <p>Email: info@kcnvinhloc.vn</p>	<p>Vinh Loc Industrial Park is located in Binh Chanh District. It is situated 15km from the centre of Ho Chi Minh City, and 17km from Saigon Port.</p> <p>Latitude: 10.762501, Longitude: 106.594146</p>	<p>The Park is well established, with good infrastructure. The total land area of the park is 307 ha. It has a large Vietnamese presence, with a mixed industrial base including food goods, manufacturing parts, medical instruments. The main road system within the park has width of 22m with 4 lanes. The internal road system has width 17m and 20m with 4 lanes. The power supply in the Industrial Park includes 22kV medium voltage lines from</p>	<p>The industrial park has low-level of Japanese investment. There are 5 Japanese companies in the Park out of total 111 total listed firms, which stands a small percentage of the total number of companies (around 4.5%).</p>	<p>Name and Address: Cho Lon Investment and Import – Export Company, 631 – 633 Nguyen Trai St., Ward 11, Dist. 5, Ho Chi Minh City</p> <p>Telephone: +84 8 37500655.</p> <p>Email: kcn@saigonnet.vn</p>	<p>The park has a total investment capital of VND 122 billion. Due to pollution regulations, companies previously in the centre of the city (e.g. Saigon Tobacco) have begun to move into the park. There haven't been announced any further expansion plans.</p>	<p>Name and Address: Ho Chi Minh City People's Committee, 59 Ly Tu Trong, District 1, Ho Chi Minh City</p> <p>Telephone: +84 8 38226191</p> <p>Email: bb1@hochiminhcity.gov.vn</p>



# Vietnam

Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						Cells highlighted green indicate a high level of Japanese investment in the industrial park.			
			Website: www.korvinhloc.vn				Website: www.cholmex.com.vn/en/		Website: www.eng.hochiminhcity.gov.vn/aboutgovernment/Lists/Posts/AllPosts.aspx?CategoryId=10 Amount Contributed: Could not be confirmed from public information. Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.
<b>XXVNS8</b>	Dinh Vu Industrial Zone	1997	Name and Address: Dinh Vu Industrial Zone JSC, 5th Floor Harbour View Tower, No 12 Tran Phu Street, Hai Phong City, Vietnam  Telephone + 84 31 3836 169 Fax + 84 31 3859 130 Email info@dinhvu.com Website: www.dinhvu.com	DVIZ is 17 km away by car (25 mins) from the provincial town of Hai Phong and 122 km away (2.5 hrs by car) from Hanoi (and its airport). It is situated in the northern economic zone of the country.  Latitude: 20.819225, Longitude: 106.804011	Dinh Vu has a total area of 1,463 ha. Out of this, there are 655 ha of industrial park, 130 ha of port area, 65 ha of residential area, and 613 ha of utilities and green area.  DVIZ has its own sea port with a modern dike system in order to prevent the land from being reclaimed by incoming sea. The port was designed to accommodate general cargo, container, dry bulk and combined terminals are foreseen along a 3,000m straight quay designed to accommodate up to 20,000DWT vessels. The port is scheduled to be in full operation by the end of 2012.  Other infrastructure supports include internal paved road system, electricity, water supply and treatment etc.  DVIZ is managed by DVIZ Joint Stock Company (the day-to-day management company) and Infra Asia which is both the investor and the advisor to the management of this industrial park.	There is a relatively high-level of Japanese investment in the estate. Dinh Vu has at present a total of 35 tenant companies categorized in three main types: petrochemical, light industry and agriculture and lastly heavy industry.  Out of these 35, at least 10 are Japanese subsidiaries or Japanese affiliated companies which occupy about one third of this park's total development area.	Name and Address: Dinh Vu Industrial Zone JSC, 5th Floor Harbour View Tower No 12 Tran Phu Street, Hai Phong City Vietnam  Telephone: + 84 31 3836 169  Email: info@dinhvu.com  Website: www.dinhvu.com/	Currently, the park is 40% occupied. The Industrial Park is part of the provincial economic development zone which will see the park being supported by air, railway, road and sea infrastructure by the year 2020. Furthermore, the park will also be benefited as the port is a part of the national government's economic projects for the complete deep sea port system in Northern Vietnam (the so-called the Hai Phong-Dinh Vu-Lach Huyen port system). The first phase of construction commenced in 2012.	Name and Address: The Hai Phong People Committee (local Vietnamese government representative), 24 Vo Thi Sau, Ngo Quyen, Hai Phong  Telephone: +84 31 3552288  Email: congthongtindientu@haiphong.gov.vn  Website: haiphong.gov.vn Amount Contributed: Could not be confirmed from public information. Percentage/Ratio of Contribution Compared to Total Capital Contributions: 25%  Name and Address: Rent-A-Port (Belgium), Haverstraat 1, 2000 Antwerp, Belgium Telephone: +32 3 203 47 90 Email: info@rentaport.be Website: www.rentaport.be/html/recent_references_hai_p_hong.html Amount Contributed: Could not be confirmed from public information. Percentage/Ratio of Contribution Compared to Total Capital Contributions: Contributor to the 75% investment made by International firms.  Name and Address: The Infra Asia Infra Asia is a consortium of European companies lead by the company Rent-A-Port. Infra Asia is a investment and management company specialized on investment in Vietnam. In collaboration with its shareholders, Infra Asia is always seeking for new investments related with the marine infrastructure and industrial parks. Infra Asia does not only invest in projects but always tries to take a management role in the new development by sending its in-house experts to support the daily management of each projects. Infra Asia is also working very closely with Rent-A-Port in order to take the full advantage of its agent network to promote out of Vietnam its investment.  Telephone: Could not be confirmed from public information. Email: Could not be confirmed from public information.  Website: www.dinhvu.com/whydinhvu.asp?StoryID=110. Amount Contributed: Could not be confirmed from public information. Percentage/Ratio of Contribution Compared to Total Capital Contributions: Contributor to the 75% investment made by International firms.  Name and Address: International Port Engineering & Management (IPEM) NV (Belgium), Haverstraat 1, B-2000 Antwerp Telephone: +32 3 203 47 90 Email: ipem@ipem.be Website: www.ipem.be/ Amount Contributed: Could not be confirmed from public information. Percentage/Ratio of Contribution Compared to Total Capital Contributions: Contributor to the 75% investment made by International firms.
<b>XXVNS9</b>	Da Son Industrial Zone	2004	Name and Address: Road 353, Kien Thuy, Do Son Town, Hai Phong  Contact person: Ms Nguyen Thi Huong	The industrial park is 16 km to the south of Hai Phong city centre. It is also within similar distances from the provincial airport (Cat Bi Airport) and the main local sea port (Hai Phong sea port).	Hai Phong DoSon Industrial Zone is a co-operative development project by Hai Phong's municipal government and HongKong HangTung Resources Limited.	There are 26 foreign investors from PRC, HongKong, Germany, Korea and Japan. There is no information regarding the level of Japanese investment. However, considering the fact that this park is developed and heavily	Name and Address: Hai Phong Dosoan Industrial Zone Joint Venture Company 310-312 Van Cao, Ngo Quyen, Hai Phong	The park is currently 60% occupied. There is no publicly available information regarding the future development plan. However, there would unlikely be any immediate plans for expansion considering the limited amount of available land	Name and Address: Hai Phong Construction and Development Infrastructure (representing Hai Phong People's Committee, the municipal authority)

# Vietnam

Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park promoted by the Chinese authorities. It is expected that Japanese investment is in the minority compared with those investors from mainland China and Hong Kong.</i>			
			<p>Telephone: +84 31 729760/61, +84 936 606 133 (Ms Nguyen Thi Huong)</p> <p>Fax: +84 31 3729774</p> <p>Email: dosoniz@gmail.com</p> <p>Website: www.dosonindustrialzone.com.vn</p>	Latitude: 20.726656, Longitude: 106.764437	The total land area is 100 ha in which 100 ha are industrial Zone. 50 ha are supporting facility of industrial Zone. It is equipped with infrastructural facilities including internal paved road system, electricity, water supply and water treatment systems. It does have telephone communication lines installed but there is no information whether the park has the high speed internet support. It has a bank branch with ATM, and DHL courier sub office on site.	Cells highlighted green indicate a high level of Japanese investment in the industrial park promoted by the Chinese authorities. It is expected that Japanese investment is in the minority compared with those investors from mainland China and Hong Kong.	<p>Telephone: +84 31 729760/61</p> <p>Fax: +84 31 3729774</p> <p>Email: dosoniz@gmail.com</p> <p>Website: www.dosonindustrialzone.com.vn</p>	nearby.	<p>Telephone: Could not be confirmed from public information.</p> <p>Email: Could not be confirmed from public information.</p> <p>Website: haiphong.gov.vn/Portal/Content.aspx?Organization=UBNDTP.EnsMenuID=7266</p> <p>Amount Contributed: USD 17.5 million</p> <p>Percentage/Ratio of Contribution Compared to Name and Address: Asia Olorious Development Co.,Ltd</p> <p>Telephone: Could not be confirmed from public information.</p> <p>Email: Could not be confirmed from public information.</p> <p>Website: Could not be confirmed from public information.</p> <p>Amount Contributed: USD 52.5 million</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: 70%</p>
<b>XXVM0</b>	Nam Cau Kien Industrial Zone	2008	<p>Name and Address: Shinec Trading &amp; Manufacturing Joint Stock Company, 20 Ho Xuan Huong Street, Hong Bang District, Haiphong, Vietnam</p> <p>Kien Bai and Hong Dong Commune, Thuy Nguyen District</p> <p>Telephone: +84 31 3645990</p> <p>Fax: +84 31 3645686</p> <p>Email: shinec@hn.vnn.vn</p> <p>Website: www.shinec.com.vn</p>	<p>Ha Noi is located 90 km to the west of NCK while the biggest seaport in North Vietnam (Hai Phong) is 10 km away; Cat Bi airport is 17km away from NCK and Thuong Ly railway station is 5km away.</p> <p>Latitude: 20.903079, Longitude: 106.63565</p>	The total area of the industrial park is 263.32 ha while the amount of land catered for industrial usage is 153.57 ha. The industrial park has an internal road system (Width: 30m, 2 lanes), power supply with the National grid (+22 KV - 35KV medium voltage lines). Moreover, it is served with the water supply (capacity: 25,000 cu.m/day) and the sewage treatment plant. (Capacity: 10,000 cu.m/day).	There is no information on the level of Japanese investment in this park.	<p>Name and Address: Company and Building Infrastructure Shinec, Number 16, the Binh Bridge, Ward Dau, Red Eagle, Hai Phong City, Vietnam</p> <p>Telephone: +84 31 2820 282</p> <p>Email: shinec@hn.vnn.vn</p> <p>Website: www.shinec.com.vn</p>	NCK has been in full operation since 2008 and has the development area of 50 ha. There is no publicly available information pertaining to future expansion. The park is 30% occupied.	<p>Name and Address: Company and Building Infrastructure Shinec, Number 16, the Binh Bridge, Ward Dau, Red Eagle, Hai Phong City, Vietnam</p> <p>Telephone: +84 31 2820 282</p> <p>Email: shinec@hn.vnn.vn</p> <p>Website: www.shinec.com.vn</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>
<b>XXVM1</b>	Trang Due - Hai Phong	2007	<p>Name and Address: An Duon District, Hai Phong City</p> <p>Telephone: +84 8 3822 8290</p> <p>Fax: Could not be confirmed from public information.</p> <p>Email: dttam@saigontel.com</p> <p>Website: Could not be confirmed from public information.</p>	<p>Trang Due Industrial Zone is on Highway 10 which facilitates the transportation of goods. Hai Phong Port and port of Dinh Vu Chua are located 7km and 15km respectively away from Trang Due Industrial Zone. Hai Phong Port can receive ships of 40,000 to 50,000 DWT while Dinh Vu Port is able to receive vessels of 20,000 DWT. Hanoi is located 100 km away from the industrial park while the Noi Bai International Airport and the Cat Bi airport are 115 Km and 15 Km away respectively.</p> <p>Latitude: 20.856887, Longitude: 106.581446</p>	The park has the total area of 600 ha, with 400 ha of industrial development area. The industrial park has an internal road system of 32m (4 lanes) and other road: 22m (2 lanes), water supply, telecommunication supports including telephone, mobile phone coverage, fax, Internet. It has a modern garbage disposal system in that waste is collected and transported to regional centralized treatment as prescribed. It also has wastewater capacity of 7000 cu.m/day. In addition to infrastructural supports, the park features on site bank branches (Vietcombank, Maritime Bank, ACB, Agribank, Techcombank), and residential area for workers Residential workers. Lastly, it is equipped with fire prevention and fire fighting systems.	There is no publicly available information on the level of Japanese investment. However, the developer's website refers to an example of a Japanese firm as the representative of a typical foreign investor in the park which gives an impression of a presence of Japanese investment there.	<p>Name and Address: KinhBac City Development Holding Corporation, Lot B7, Que Vo IP, Que Vo Dist., Bac Ninh Province</p> <p>Telephone: +84 241 363 4034</p> <p>Email: sales@kinhbacity.com</p> <p>Website: kinhbacity.vn/news/en/business-fields/industrial-park/kcn-do-thi-trang-cat</p>	The park is currently 20% occupied. The 400 ha is divided into phase 1 (200 ha) and phase 2 (200 ha). The developer has a 50 year lease of the area starting from 2007. Both phases have been under construction since 2007 and now in operation.	<p>Name and Address (Vietnam office): KinhBac City Development Holding Corporation, Lot B7, Que Vo IP, Que Vo Dist., Bac Ninh Province</p> <p>Name and Address (Japanese office): KinhBac City Development Holding Corporation, 5F, Ginza Korea Bldg., 8-14-5 Ginza, Chuo-ku, Tokyo 104-0061)</p> <p>Telephone: +84 241 363 4034</p> <p>Email: sales@kinhbacity.com</p> <p>Website: kinhbacity.vn/news/en/business-fields/industrial-park/kcn-do-thi-trang-cat</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>
<b>XXVM2</b>	Trang Cat - Hai Phong	2010	<p>Name and Address (industrial park): Ward Cat Trang, Hai An District, Hai Phong</p> <p>Telephone: +84 241 363 4034</p> <p>Fax: Could not be confirmed from public information.</p> <p>Email: sales@kinhbacity.com</p> <p>Website: kinhbacity.vn/news/en/business-fields/industrial-park/kcn-do-thi-trang-cat</p>	<p>Trang Cat-tech Zone has very favorable position to Hanoi (120 km to the west) and to Hai Phong port (the largest seaport of northern Vietnam - 10 km away to the west).</p> <p>Latitude: 20.793992, Longitude: 106.758243</p>	The project occupies an area of 780.79 ha, of which 205.88 ha is dedicated for high-tech industrial zone, 435.73 ha for urban area and 119.56 ha for building social houses and services facilities. Trang Cat is constructed to become the first modern technology oriented industrial park, designed and planned by Kinh Bac City and Foxconn.	There is no publicly available information on the list of investors since the park construction has just passed land clearance for investors. However, the source from the municipal government stated that the park has been developed to attract high tech Japanese firms in mind.	<p>Name and Address: KinhBac City Development Holding Corporation, Lot B7, Que Vo IP, Que Vo Dist., Bac Ninh Province</p> <p>Telephone: +84 241 363 4034</p> <p>Email: sales@kinhbacity.com</p> <p>Website: kinhbacity.vn/news/en/business-fields/industrial-park/kcn-do-thi-trang-cat</p>	The park is brand new and is not even been in full operation yet. Thus, there is no future plan for further development or extension at the moment. At present, the park has received land clearance to receive investors.	<p>Name and Address: KinhBac City Development Holding Corporation, Lot B7, Que Vo IP, Que Vo Dist., Bac Ninh Province</p> <p>Telephone: +84 241 363 4034</p> <p>Email: sales@kinhbacity.com</p> <p>Website: kinhbacity.vn/news/en/business-fields/industrial-park/kcn-do-thi-trang-cat</p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>

# Vietnam

Industrial Park ID	Industrial Area Name	Year of Establishment	Contact Information	Area	General Description	Relative Level of Japanese Investment	Information on Developer	Development Information/Investment Amount	Information on Capital Contributors
						<i>Cells highlighted green indicate a high level of Japanese investment in the industrial park.</i>			
									<p>Name and Address: Hon Hai/Foxconn (Taiwan), Hon Hai Precision Industry Co., Ltd., No.2, Zhiyou St., Tucheng Dist., New Taipei City 236, Taiwan</p> <p>Telephone: +886 2 2268 3466, ext. 3629</p> <p>Email: <a href="mailto:simon.cp.hsing@foxconn.com">simon.cp.hsing@foxconn.com</a></p> <p>Website: <a href="http://www.foxconn.com">www.foxconn.com</a></p> <p>Amount Contributed: Could not be confirmed from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: Could not be confirmed from public information.</p>
XXV43	VSIP Hai Phong Township, Industrial and Service Park	2010	<p>Name and Address: VSIP Hai Phong Co., Ltd, Administration building, VSIP Hai Phong Township, Industrial &amp; Service Park, Dinh Vu Cat Hai Economic Zone, Thuy Nguyen district, Hai Phong City</p> <p>Telephone: +84 31 3959868</p> <p>Fax: +84 31 3959886</p> <p>Email: <a href="mailto:phuong.nm@vsip.com.vn">phuong.nm@vsip.com.vn</a></p> <p>Website: <a href="http://www.vsip.com.vn">www.vsip.com.vn</a></p>	<p>VSIP HP is located in Thuy Nguyen district, Hai Phong city, situated along the banks of the Cam River. The park is 5km from the center of the City, 15km from Hai Phong Port, 16km from Cat Bi Domestic Airport and 120km from Hanoi, Capital of Vietnam.</p> <p>Latitude: 20.903379, Longitude: 106.672481</p>	<p>The total area covered by the industrial park is 1600 ha with 500 ha allocated for green &amp; clean Industrial Park and 1,100 ha for township. VSIP HP is modeled after VSIP 1, VSIP 2, VSIP 2 expansion (in Binh Duong Province) and VSIP BN (in Bac Ninh Province). The management adheres to Singapore quality management standards. The industrial park is equipped with full infrastructure including roads, power supply, water supply, sewage treatment and telecommunication system.</p> <p>There is an estate management team specializes in regular maintenance of infrastructure and landscaping within the industrial park. There are also professional customer service team and special investment incentives are available for investors.</p>	<p>There is relatively low level of Japanese investment in the industrial park. There are 9 Japanese investors (total 16 investors from different countries: Singapore, Malaysia, Poland, Vietnam, Hongkong)</p>	<p>Name and Address: VSIP Hai Phong Co., Ltd</p> <p>Contact person: Marketing and Customer Service Dept.</p> <p>Telephone: +84 313959868, +84 989 560 900 (Ms. Nguyen Minh Phuong )</p> <p>Email: <a href="mailto:phuong.nm@vsip.com.vn">phuong.nm@vsip.com.vn</a></p> <p>Website: <a href="http://www.vsip.com.vn/Default.aspx?pid=0008&amp;mid=0008&amp;mid=2&amp;lang=en">www.vsip.com.vn/Default.aspx?pid=0008&amp;mid=0008&amp;mid=2&amp;lang=en</a></p>	<p>VSIP Hai Phong has an expected investment capital of USD 1 billion for doing infrastructure of this project. The infrastructure of Phase 1 of 150 ha have been completed while Phase 2 is still under construction. The investment capital (including VSIP HP's capital) into VSIP Hai Phong as of May 2013 is over USD 876 million.</p>	<p>Name and Address: Floor 13, Hanoi Tower, 49 Hai Ba Trung</p> <p>Telephone: +886 2 2268 3466, ext. 3629</p> <p>Email: <a href="mailto:simon.cp.hsing@foxconn.com">simon.cp.hsing@foxconn.com</a></p> <p>Website: <a href="http://www.foxconn.com">www.foxconn.com</a></p> <p>Amount contributed: could not be confirm from public information.</p> <p>Percentage/Ratio of Contribution Compared to Total Capital Contributions: 100% from VSIP JSC.</p>

# **A 2**

## **Short List of Industrial Agglomerated Area**

**Brunei – Kuala Lurah**  
**Industrial Park ID: XXBN01**

Infrastructure	Transport	Facilities	Rent	Information on Managing Association
<b>Electrical power supply:</b> Could not be confirmed through park operator or public information.	<b>Road:</b> Could not be confirmed through park operator or public information.	<b>Restaurant/ canteen:</b> Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Name and Address: Brunei Industrial Development Authority (BINA), Ministry of Industry & Primary Resources, Km 8, Jalan Perindustrian, Bandar Seri Begawan, BE 1118, Negara Brunei Darussalam.  Telephone: +673 2444100  Fax: +673 2423300  Email: bruneibina@gmail.com  Website: www.bina.gov.bn
<b>Water supply/ industrial water service :</b> Could not be confirmed through park operator or public information.	<b>Railway:</b> Could not be confirmed through park operator or public information.	<b>Hospital/ medical service station:</b> Could not be confirmed through park operator or public information.		
<b>Sewage system/ waste water treatment :</b> Could not be confirmed through park operator or public information.	<b>Port:</b> Could not be confirmed through park operator or public information.	<b>Shopping center/ shops:</b> Could not be confirmed through park operator or public information.		
<b>Telecommunications:</b> Could not be confirmed through park operator or public information.	<b>Trucking distribution:</b> Could not be confirmed through park operator or public information.	<b>Housing:</b> The Kuala Lurah industrial park is located in the Kampong Limau Manis housing area. It is approximately 3 km away from another nearest housing area, Batang Perhentian.		
<b>Standard factories:</b> Could not be confirmed through park operator or public information.	<b>Bonded warehouse:</b> Could not be confirmed through park operator or public information.			

**Tenant List**

<b>Total Number of Firms</b>	0
<b>Total Number of Japanese Firms</b>	0
<b>Remarks on Tenant List</b>	As Kuala Lurah industrial park is only at its first phase of development, there are no tenant companies available yet.

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**Brunei – SPARK**  
Industrial Park ID: XXBN05

Infrastructure	Transport	Facilities	Rent	Information on Managing Association
<b>Electrical power supply:</b> SPARK Centre and the Multi-Purpose Hall (MPH) have several corridors and connection to utility services, which include the power distribution systems obtained from the national grid system.	<b>Road:</b> Swee Sdn Bhd built a road network consisting of a dual carriageway leading from the entrance to a roundabout, which will provide access towards the Brunei Methanol Company, as well as access different sections of SPARK. Outside of the industrial park, the SPARK Centre is approximately 13km away from the Tutong-Telisai Highway. There is also a new highway plan about 3 km away, the Telisai-Lumut Highway, which is expected to complete in 2013.	<b>Restaurant/ canteen:</b> Common amenities such as eateries and shops are available in the SPARK Centre.	Could not be confirmed through park operator or public information.	Name and Address: The Brunei Economic Development Board, Block 2K, Bangunan Kerajaan, Jalan Ong Sum Ping, Bandar Seri Begawan, BA 1311, Brunei Darussalam  Telephone: +673 2230111  Fax: +673 2230063  Email: info@bedb.com.bn  Website: www.bedb.com.bn
<b>Water supply/ industrial water service:</b> There will be future industrial water treatment facilities being developed.	<b>Railway:</b> There is no railway in the industrial park.	<b>Hospital/ medical service station:</b> The nearest medical facility, the Sungai Liang Health Centre, is only about 3 km away from the SPARK Centre. The employees of the park have completed First-Aid and CPR Training Course, to accommodate health emergencies in the industrial park.		
<b>Sewage system/ waste water treatment:</b> Under the SPARK Infrastructure Work Projects, a waste water treatment plan is to be built to accommodate the domestic waste water from the Zone Village. The SPARK Centre and the MPH receive regular maintenance with periodic sludge collection and disposal.  A surface water drainage system is to be built for the SPARK Centre and MPH by Swee Sdn Bhd, preventing wayleaves and access from flooding, and to discharge surface water to the South China Sea or the Sungai Liang Kechil.	<b>Port:</b> In June 2012, SPARK plans to construct a jetty approximately 5km out to the sea, but the project is still undergoing a feasibility consultancy.	<b>Shopping center/ shops:</b> Soon Lee Mega Mart is the closest shopping centre, with only 3 km away from SPARK, while Makro Jaya Store is 12 km away, located near the Lumut area.		
<b>Telecommunications:</b> Could not be confirmed through park operator or public information.	<b>Trucking distribution:</b> Could not be confirmed through park operator or public information.	<b>Housing:</b> The SPARK Centre and MPH are located in between two housing areas, Kampung Lumut and Kampung Sungai Liang		
<b>Standard factories:</b> Could not be confirmed through park operator or public information.	<b>Bonded warehouse:</b> Could not be confirmed through park operator or public information.	<b>Other – Safety and security:</b> SPARK owns firefighting vehicles for the SPARK Fire Station, under the Hazmat Tender, Foam Tender, Emergency Tender and Rescue Tender.		
		<b>Other – Business services:</b> Zone Village, located at the Main Entrance of SPARK consists of several buildings to accommodate facilities such as Administration, Conference, and Exhibition facilities to be enjoyed by investors. Other facilities in the SPARK Centre and the MPH are open to rental by the public. Facilities available for rent include the SPARK Mini Theatre, Tunggalitan Conference Room, Agis-Agis Meeting Room, MPH Conference Room, and the MPH Club Lounge. SPARK also leases executive vans and 4WD.		

**Tenant List**

<b>Total Number of Firms</b>	5
<b>Total Number of Japanese Firms</b>	2
<b>Remarks on Tenant List</b>	None

Country of Origin	Company Name	Type of Business/Industry	Number of Staff in Industrial Park	Facilities in Industrial Park	Capital Invested in Industrial Park
Brunei	Brunei Methanol Company Sdn Bhd	Extraction of Crude Petroleum and Natural Gas	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Brunei	Brunei National Petroleum Company Sdn Bhd	Extraction of Crude Petroleum	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Brunei	Brunei Fire and Rescue Department	Provision of services to community as a whole	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Mitsubishi Gas Chemical Company, Inc.	Manufacture of Chemical and Chemical Products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Itochu Corporation	Manufacture of Chemical and Chemical Products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
USA	KFC Holdings (Brunei) Sdn Bhd	Restaurant and Mobile Food Service Activities	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.

**Cambodia – Phnom Penh SEZ**  
**Industrial Park ID: XXKH03**

Infrastructure	Transport	Facilities	Rent	Information on Managing Association
<p><b>Electrical power supply:</b> PPSEZ runs an independent power plant, operated by Colben Energy Cambodia PPSEZ Ltd (private). Its capacity is 13 MW/h (for phase 1, expandable according to demand) at USD 0.1943/kwh. There is an Uninterruptible Power Supply (UPS) in the premises.</p>	<p><b>Road:</b> Could not be confirmed through park operator or public information.</p>	<p><b>Restaurant/ canteen:</b> There are 1 Chinese restaurant ('Yi Sang'), 1 Japanese restaurant (Tokyo) and 1 canteen for workers.</p>	<p>The standard lease price of industrial land for 50 years is USD 60/sqm and USD 0.06/sqm/month (+10% VAT) for infrastructure maintenance.</p>	<p>Name and Address: Phnom Penh SEZ Co. Ltd, National Road No. 4, Khan Posenchey, Phnom Penh, Cambodia                      Telephone: +855 23 729 798                      Fax: +855 23 729 799                      Email: sales@ppsez.com                      Website: www.ppsez.com</p>
<p><b>Water supply/ industrial water service:</b> There is a water purification/ sewage treatment plant. Water is led from an adjoining river, to a raw water reservoir, then to chemical treatment, filtering, and water towers. The capacity is 5300 cu.m/day for phase 1. It is being charged at a rate of USD 0.30/cu.m +10 % VAT.</p>	<p><b>Railway:</b> Not available at the moment. There are plans to connect the dry port to the main train line (passing Phnom Penh SEZ) from Phnom Penh to Sihanoukville in the near future.</p>	<p><b>Hospital/ medical service station:</b> There is no hospital or medical center in the zone. However, the zone is 18 km from the centre of Phnom Penh with high-standard hospitals.</p>		
<p><b>Sewage system/ waste water treatment:</b> There is a water purification/ sewage treatment plant. Waste water, after primary treatment by factories, is led to a primary pond, then on to lagoon, settling pond, final pond, to discharge to public river. The capacity is 4500 cu.m/day for phase 1. The rate for treatment cost up to USD 0.28/cu.m +10 % VAT based on 80% of purchase water volume.</p>	<p><b>Port:</b> Could not be confirmed through park operator or public information.</p>	<p><b>Shopping center/ shops:</b> There is 1 convenience store.</p>		
<p><b>Telecommunications:</b> There are 10 companies that provide internet service: Telecom Cambodia, Metfone, Wicam, Mega Investment and Telecom Ltd, Exocoin, Online, NTT Communications, Camintel, Sinet, and MekongNet. There are 2 companies that provide fixed telephone and facsimile services: Camintel and Telecom Cambodia.</p>	<p><b>Trucking distribution:</b> Not available.</p>	<p><b>Housing:</b> There are 2 dormitories, 20,031 sqm and 26,457 sqm respectively.</p>		
<p><b>Standard factories:</b> Could not be confirmed through park operator or public information.</p>	<p><b>Bonded warehouse:</b> There are on-site dry port, established by the economic zone, provided by Bok Seng PPSEZ Dryport Ltd, as loading and storage facilities.</p>	<p><b>Other – Banking :</b> There is a Maybank located in the area.</p>		

## Tenant List

<b>Total Number of Firms</b>	58
<b>Total Number of Japanese Firms</b>	31
<b>Remarks on Tenant List</b>	Employment at the zone is projected to double in 2013, to 20,000 workers.

Country of Origin	Company Name	Type of Business/Industry	Number of Staff in Industrial Park	Facilities in Industrial Park	Capital Invested in Industrial Park
Cambodia	KLB Bio-Energy Investment	Other manufacturing (briquettes)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Cambodia	KMG Diamond	Manufacture of jewellery and related articles (diamond polish)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
China	Jai Long Plastic Products	Manufacture of plastics products (plastic package)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
China	Sunshin Thread and String Cambodia	Other manufacturing (thread and string)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
China/Japan	Sichuan New Hope Agribusiness Cambodia	Manufacture of food products (animal feed)	100	1 million completed in 2011	USD 6 million are invested in the construction of million.
Japan	Ajinomoto Cambodia	Manufacture of food products	150	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Clean Circle	Manufacture of footwear	550	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Dishells Cambodia	Manufacture of chemicals and chemical products (heat insulation paint and products)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Fontz Power	Manufacture of wearing apparel (fashion bags)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Footmark Cambodia	Manufacture of wearing apparel	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Four Spirits Cambodia	Manufacture of wearing apparel	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	FST PP	Manufacture of wearing apparel	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	GS Electech Cambodia	Manufacture of wiring and wiring devices	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Haru Phnom Penh Comic Center	Other manufacturing (comic reuse, e-comics)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Japan Rocks S.E.A. Phnom Penh	Manufacture of wearing apparel	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Kyowasekan Cambodia	Other manufacturing (box and packaging)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Lucien Cambodia	Manufacture of wearing apparel	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Marusan Phnom Penh Plastic	Manufacture of parts and accessories for motor vehicles (automobile parts)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Medipro Cambodia	Manufacture of wearing apparel (medical garments)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Meikodo Cambodia	Other manufacturing (pins)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Minebea	Manufacture of electrical equipment (small-size motors)	2800	A factory (480m x 70m). Cambodia's first motor plant, was completed in 2011 and started operation from December 2011. Second factory is under construction, as well as four-story dormitory for 2,000 people.	Planned investment of USD 64 million in building additional facilities, to make the plant a mass-production facility employing up to 5000 workers.
Japan	Nikko-Kinzoku Cambodia	Manufacture of basic metals (lost-wax casting)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	O & M Cambodia	Manufacture of leather and related products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Rohto-Menthohatum	Manufacture of pharmaceuticals, medicinal, chemical and botanical products (eye drops)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Sumi Cambodia Wiring Systems	Manufacture of wiring and wiring devices (wire harness for automobiles)	1300	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Taica Cambodia	Other manufacturing (shock absorber for shoes)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Taiwa Seiki Cambodia	Manufacture of machinery and equipment (rice-polish machines)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Taiyo Kogyo	Other manufacturing (container bags)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Tanaka Foresight Cambodia	Other manufacturing (optical parts for eyeglasses)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Tiger Wing	Manufacture of footwear	790	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Yamaha Motor Cambodia	Manufacture of motor vehicles (motor bike assembly)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Yamato Konpo Unyu Cambodia	Other manufacturing (packaging)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	YTS International	Manufacture of wiring and wiring devices	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan (Hong Kong)	Combi Cambodia	Other manufacturing (baby carriers)	200 (new factory will require 300 additional staff)	A 5 Ha factory is under construction and a temporary factory is currently being used.	USD 1.5 million invested in factory construction.
Japan (Hong Kong)	Marunix Cambodia	Manufacture of wiring and wiring devices	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan (Hong Kong)	Proceeding Phnom Penh	Manufacture of wearing apparel	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan (Singapore)	DENSO Cambodia	Manufacture of parts and accessories for motor vehicles (automobile parts)	Approximately 100 (planned for 2014)	Could not be confirmed through park operator or public information.	USD 0.4 million
Japan/Korea	Soon-West Cambodia	Manufacture of electrical equipment (earphones for mobile phones)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Korea	Redian Industrial	Manufacture of plastics products (plastic package)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Malaysia	Atlas Ice	Manufacture of food products (ice)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Malaysia	Cambodian Success Industry	Manufacture of wiring and wiring devices (wire mesh)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Malaysia	CH Steel Wire Industries Cambodia	Manufacture of wiring and wiring devices	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Malaysia	Keza Cambodia	Other manufacturing (elastic band)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.



Country of Origin	Company Name	Type of Business/Industry	Number of Staff in Industrial Park	Facilities in Industrial Park	Capital Invested in Industrial Park
Malaysia	Mega Labels & Stickers Cambodia	Other manufacturing (labels and stickers)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Philippines	Lwayway Cambodia Food Industry	Manufacture of food products (snack food)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Singapore	Cambox	Manufacture of plastics products (plastic container)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Singapore/China	Zion Label and Printing	Manufacture of wearing apparel (apparel labels)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Taiwan	Ji-Xiang	Manufacture of paper and paper products (carton box)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Taiwan	Shin Feng Paper	Manufacture of paper and paper products (carton box)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Taiwan	Shinh	Manufacture of textiles (non-woven fabric)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Taiwan	Sin Chn Hong Plastics Industry	Manufacture of footwear (shoe soles)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Taiwan	Yi Xiang	Other manufacturing (hangers)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Taiwan/Cambodia	Evergreen Industrial	Manufacture of wearing apparel	2100	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Thailand	Betagro Cambodia	Manufacture of food products (animal feed)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Turkey/China	Weibo Best production Cambodia	Manufacture of wearing apparel	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Turkey/China	Weibo EIC Garment Manufacturing Cambodia	Manufacture of wearing apparel	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
USA	Laurelton Diamond	Manufacture of jewellery and related articles (diamond polish)	Could not be confirmed through park operator or public information.	1.2 ha factory and training centre are under construction.	Could not be confirmed through park operator or public information.
Vietnam	Thibidi Cambodia	Manufacture of electrical equipment (transformers)	Could not be confirmed through park operator or public information.	1 factory constructed	USD 1.5 million are invested in the construction of factory.

**Cambodia – Sihanouville SEZ 2**  
**Industrial Park ID: XXKH04**

Infrastructure	Transport	Facilities	Rent	Information on Managing Association
<p><b>Electrical power supply:</b> SSEZ has an oil generator of 4MW (private)to generate electricity. It is also connected to the city coal power plant, which provides Uninterrupted Power Supply of 100MW (public) in the premises.</p>	<p><b>Road:</b> The road network is constructed within 528 Ha and the main road is 25.5m wide, made of concrete.</p>	<p><b>Restaurant/ canteen:</b> Could not be confirmed through park operator or public information.</p>	<p>Rental fees for industrial land are USD 17/sq.m for 20 years, USD 22/sq.m for 50 years , and USD 26/sq.m for 99 years.</p>	<p>Name and Address: Sihanouville Special Economy Zone co.,Ltd., address could not be confirmed through park operator or public information</p> <p>Telephone:            Contact Persons: Cambodia – James Qian: +855 88 567 8891, + 855 99 518 315            Contact Persons: China – Michelle Zhang: +86 510 6686 8176</p> <p>Fax: Could not be confirmed through park operator or public information</p> <p>Email: mingxi.zhang@163.com (Michelle Zhang), james_ssez@yahoo.com (James Qian)</p> <p>Website: www.ssez.com</p>
<p><b>Water supply/ industrial water service:</b> SSEZ connects to the city water supply (public). It has its own water tank with the capacity of 12000 T per day (private).</p>	<p>Railway: Not available.</p>	<p><b>Hospital/ medical service station:</b> There is 1 hospital and is currently under construction.</p>		
<p><b>Sewage system/ waste water treatment:</b> SSEZ has a separate sewage system, separating rainwater and wastewater. A 2000T/day water treatment pool is under planning and construction (private).</p>	<p><b>Port: Not available.</b></p>	<p><b>Shopping center/ shops:</b> There is 1 market for local workers and 1 shop available in the park.</p>		
<p><b>Telecommunications:</b> SSEZ offers optical fiber communication system through Metfone and EZE.</p>	<p>Trucking distribution: Not available.</p>	<p><b>Housing:</b> There is 1 dormitory which accommodates 1000 workers. A second one is under planning, with commercial and living areas currently under construction. In addition, there is one guesthouse able to accommodate 200 people.</p>		
<p><b>Standard factories:</b> Could not be confirmed through park operator or public information</p>	<p><b>Bonded warehouses:</b> There is no such facilities available in the industrial park. However, construction of bonded warehouses is currently under negotiation. There are public warehouses in Sihanouville port, 12 km away along National Road 4.</p>	<p><b>Other – Banking:</b> Canadia Bank PLC has signed a lease agreement for a comprehensive service centre.</p>		

## Tenant List

<b>Total Number of Firms</b>	30
<b>Total Number of Japanese Firms</b>	2
<b>Remarks on Tenant List</b>	There are 8000 workers in the SSEZ with 2-5% of these are management staff. Most of the companies have invested at least USD 1 million as requested by the Cambodian government to enjoy QIP status (Qualified Investment Project) to enjoy policies such as duty exemption, tax holidays etc.

Country of Origin	Company Name	Type of Business/Industry	Number of Staff in Industrial Park	Facilities in Industrial Park	Capital Invested in Industrial Park
Cambodia	Link Star Logistics Co. Ltd.	Land transport	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Cambodia	J.D.Y Pharm Co., Ltd	Manufacture of pharmaceuticals	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
China	Brilliant Shoes Factory Co., Ltd	Manufacture of footwear	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
China	Cambodia Dongxing Carpet Industry Co., Ltd	Manufacture of carpets and rugs	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
China	Cambodia Jinxing Household Supply Co., Ltd	Manufacture of furniture	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
China	Clear Water Leather Supply Co., Ltd	Manufacture of leather and related products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
China	Continental Cycles Cam Co., Ltd	Manufacture of bicycles	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
China	Happy Leather (Cambodia) Co., Ltd	Manufacture of leather and related products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
China	Hongdou International Garment Co., Ltd	Manufacture of wearing apparel	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
China	Janda (Cambodia) Garment Mfg Co., Ltd	Manufacture of wearing apparel	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
China	Keestop Sporting Goods (Cambodia) Co., Ltd	Manufacture of sports goods	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
China	Nanguo Garment Co., Ltd	Manufacture of wearing apparel	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
China	Oufeiya Leather (Cambodia) Co., Ltd	Manufacture of leather and related products (bags)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
China	Rebecca Hair Products (Cambodia) Co., Ltd	Manufacture of wearing apparel (wigs)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
China	Shandong Forest Wood (Cambodia) Co., Ltd	Manufacture of wood (wooden floors)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
China	Sure Success (Cambodia) Industrial Co., Ltd	Other manufacturing (stationery)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
China	Wan Hai Hanger (Cambodia) Co., Ltd	Other manufacturing (hangers)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
China	Wealth (Cambodia) Steel Industry Engineering Co., Ltd	Manufacture of basic metals (steel)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
China	Zhejiang Haining Ounoya Group Co. Ltd.	Manufacture of furniture (sofas) and bags	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
China	Zhong Zheng (Cambodia) Co., Ltd	Manufacture of wearing apparel (bags)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
China/ Cambodia	JWS Pharm. Co.	Biological extraction	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
China/ Italy	Shenyang Shenruisi Garment Co. Ltd.	Manufacture of wearing apparel	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
France	Cambodia Gateway Underwear Co., Ltd	Manufacture of wearing apparel	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Hong Kong	Hecny Transportation (Cambodia) Ltd.	Land transport	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Ireland	Horseware Products (Cambodia) C., Ltd	Manufacture of textiles (horseware)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Italy	Cambodia Sunrise Garment Co., Ltd	Manufacture of wearing apparel	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Aste Electronics (Cambodia) Co., Ltd	Manufacture of wiring and wiring devices	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Total investment of USD 1.5 million.
Japan	Izumi Electronics (Cambodia) Co., Ltd	Manufacture of computer, electronic and optical products (TV frames)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
USA	Coffco International Co. Ltd	Manufacture of household supplies	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
USA	Galey Global (Cambodia) Co. Ltd	Manufacture of wearing apparel	2,500	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.

**Indonesia – Bekasi International Industrial Estate (BIIE)**  
**Industrial Park ID: XXID02**

Infrastructure	Transport	Facilities	Rent	Information on Managing Association
<p><b>Electrical power supply:</b> The park does not have Uninterrupted Power Supply (UPS) facilities in the premises. However a large power plant provides power onsite meeting power needs of current tenants. Electricity is provided privately by Cikarang Listrindo.</p>	<p><b>Road:</b> The road system is owned and maintained by the estates management group. At present the park assures the road system is sufficient for the quantity of traffic using the roads in the park, with minimal traffic disruptions within the park the main road 40m in width with secondary roads being 20m wide.</p>	<p><b>Restaurant/ canteen:</b> The park has a restaurant and a canteen. There is a supermarket providing additional food and shopping options.</p>	<p>There are no rentals available. The only properties are available through sale at the rate of USD 43-45/sq.m.</p>	<p>Name and Address: Bekasi International Industrial Estate  3rd Floor, GIMB NIAGA, Jalan M.H. Thamrin Lippo Cikarang,  Bekasi 17550, Jawa Barat, Indonesia</p> <p>Telephone: +62 21 897 2378/9  Fax: +62 21 897 2143  Email: <a href="mailto:biie@centrin.net.id">biie@centrin.net.id</a>  Website: <a href="http://www.hyundaicorp.com/eng/ebrochure/hyundai-intl.htm">www.hyundaicorp.com/eng/ebrochure/hyundai-intl.htm</a></p>
<p><b>Water supply/ industrial water service:</b> The industrial water supply capacity for the park is 13,000 cum/day through the water treatment plant. The parks infrastructure is privately owned and managed by the estates management body.</p>	<p><b>Railway: Not available.</b></p>	<p><b>Hospital/ medical service station:</b> There is a medical clinic onsite.</p>		
<p><b>Sewage system/ waste water treatment:</b> The park has a Waste Water Treatment Plant which treats all waste within the park with a daily capacity of 8,000 cu.m/day. There is a modern drainage system and comprehensive street lighting throughout the park. The parks infrastructure is privately owned and managed by the estates management body.</p>	<p><b>Port: Not available.</b></p>	<p><b>Shopping center/ shops:</b> Could not be confirmed through park operator or public information.</p>		
<p><b>Telecommunications:</b> The estate has a standard communication system with 500 standard lines (at the time of research the internet was not functioning at the parks management office, whether this is an estate wide problem is unknown, they could provide any information as to when their internet connection would be working again). The parks infrastructure is privately owned and managed by the estates management body.</p>	<p><b>Trucking distribution:</b> The park has logistic, trucking and transport facilities.</p>	<p><b>Housing:</b> The estate has a hotel onsite as well as a residential area with a mixture of houses/apartments and dormitories.</p>		
<p><b>Standard factories:</b> Could not be confirmed through park operator or public information.</p>	<p><b>Bonded warehouse:</b> Could not be confirmed through park operator or public information.</p>	<p><b>Other – Safety and security:</b> The park enjoys 24 hour security available at all times. The park has a fire station and fire team on standby at all times with two trucks.</p>		
	<p><b>Other – Container yards:</b> The park has its own container yards.</p>	<p><b>Other – Banking :</b> The park has various ATM and bank facilities and a post office.</p> <p>There is a school within the estate that caters from kindergarten up until junior high as well as a sport complex.</p>		
		<p><b>Other – Business services:</b> There park has an onsite business consulting service which helps support sale/resale arrangements, construction and licenses, handling of the requisite documents, e.g. expat work permits, labour law and employment law support, revision of regulations, etc. The estate also offers conference and meeting facilities.</p>		

## Tenant List

<b>Total Number of Firms</b>	103
<b>Total Number of Japanese Firms</b>	4
<b>Remarks on Tenant List</b>	<p>Detailed information could not be confirmed through park operator or public information. The breakdown of firms in terms of countries is as follows:</p> <ul style="list-style-type: none"> <li>· South Korea (27)</li> <li>· Indonesian (86)</li> <li>· Malaysia (1)</li> <li>· Taiwan (2)</li> <li>· Singapore (1)</li> <li>· Japan (4)</li> <li>· USA (2)</li> </ul>

Country of Origin	Company Name	Type of Business/Industry	Number of Staff in Industrial Park	Facilities in Industrial Park	Capital Invested in Industrial Park
South Korea	Dong il Indonesia	Manufacture of wearing apparel	400	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
South Korea	Dongil Wigantara Metal	Manufacture of basic metals	200	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
South Korea	Hanam Indonesia	Manufacture of electrical equipment	280	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
South Korea	Hung-A Indonesia	Manufacture of rubber and plastics products	1900	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
South Korea	Indal Lon	Manufacture of wearing apparel	120	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
South Korea	Il-Jo Indonesia	Manufacture of wearing apparel	150	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
South Korea	Keponic Indonesia	Manufacture of electrical equipment	1450	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
South Korea	Kwang Sung Electronics	Manufacture of electrical equipment	250	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
South Korea	LG Inotec Indonesia	Manufacture of electrical equipment	1700	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
South Korea	Oriental Electronics	Manufacture of electrical equipment	400	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
South Korea	Putra Pile Indah	Manufacture of textiles	500	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
South Korea	Samindo Electronics	Manufacture of electrical equipment	1500	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
South Korea	Miro Indonesia	Manufacture of electrical equipment	250	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
South Korea	Shin Heung Indonesia	Manufacture of motor vehicles, trailers and semi-trailers	1100	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
South Korea	Woo In	Other manufacturing	60	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
South Korea	Korys Indonesia	Manufacture of wearing apparel	1080	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
South Korea	Hankook Casting Indonesia	Manufacture of textiles	120	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
South Korea	Wha In	Other manufacturing	100	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
South Korea	Cheil Abresive Indonesia	Manufacture of fabricated metal products, except machinery and equipment	180	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
South Korea	Dae Hwa Industries	Manufacture of wearing apparel	70	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
South Korea	Dae Sung Eltec Indonesia	Manufacture of electrical equipment	200	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
South Korea	Dae Myung Indonesia	Manufacture of rubber and plastics products	600	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
South Korea	Dai Dong Indonesia	Manufacture of rubber and plastics products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
South Korea	Dongan K्रेसи Indonesia	Manufacture of textiles	1000	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.

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**Indonesia – East Jakarta Industrial Park (EJIP)**  
**Industrial Park ID: XXID05**

Infrastructure	Transport	Facilities	Rent	Information on Managing Association
<p><b>Electrical power supply:</b> Uninterrupted Power Supply (UPS) facilities are not available in the premises. The power infrastructure is being upgraded with an infrastructure rehabilitation plan now to improve and replace the ageing infrastructure. Electricity is privately provided by Cikarang Listrindo.</p>	<p><b>Road:</b> The road system in the park is privately owned and maintained by EIP management. At present road system within the park is sufficient for the quantity of traffic using the roads in the park. Major improvements to the estates infrastructure are underway including expanding and improving the road system.</p>	<p><b>Restaurant/ canteen:</b> The park has two restaurants serving Indonesian and Japanese cuisine.</p>	<p>Could not be confirmed through park operator or public information.</p>	<p>Name and Address: East Jakarta Industrial Park Plot 8M-1, Cikarang, Selatan, Bekasi 17550, Indonesia            Telephone: +62 21 897 0001 (Contact: Hiroki Yoshitake )            Fax: +62 21 897 0002            Email: customer.service@ejip.co.id            Website: www.ejip.co.id</p>
<p><b>Water supply/ industrial water service:</b> The industrial water supply capacity for the park is 18,00 0ton/ day through the park's water industrial water treatment plant.</p>	<p><b>Railway:</b> Not available.</p>	<p><b>Hospital/ medical service station:</b> Could not be confirmed through park operator or public information.</p>		
<p><b>Sewage system/ waste water treatment:</b> The park has a waste water treatment plant which treats all waste within the park with a daily capacity of 13,000 ton. The park has a modern and sufficient sewage system which is available to all areas of the park.</p>	<p><b>Port:</b> Not available.</p>	<p><b>Shopping center/ shops:</b> There is a mini mart providing additional food and shopping options as well as a DVD rental store. There is an onsite petrol station as well as a travel agent and courier service.</p>		
<p><b>Telecommunications:</b> There is a trunk fiber optic cable network for communication available in the park. However, the fiber optic network is only available in sections of the park.</p>	<p><b>Trucking distribution:</b> Trucking and transport facilities are available in the park, privately owned and managed. The park also has a designed container yard for container storage. Handling and moving equipment can be rented onsite.</p>	<p><b>Housing:</b> Could not be confirmed through park operator or public information.</p>		
<p><b>Standard factories:</b> Could not be confirmed through park operator or public information.</p>	<p><b>Bonded warehouse:</b> Bonded warehouse facility is available in the park, privately owned and managed.</p>	<p><b>Other – Safety and security:</b> The park enjoys 24 hour security with a large and professional security team available at all times as well as four onsite police officers. The park has a fire station and fire team on standby at all times with two trucks.</p>		
<p><b>Other – Natural gas:</b> The park has a truck gas pipeline that navigates through park, however direct access is unavailable in sections of the park. Industrial gases (N2, H2, O2) within the park are provided by Air Liquid through their onsite facility and pipeline.</p>		<p><b>Other – Banking :</b> The park has a Bank of Tokyo-Mitsubishi UFJ as well as various ATM bank facilities.</p>		
		<p><b>Other – Business services:</b> There park has an onsite business consulting service which helps support sale/resale arrangements, construction and licenses, handling of the requisite documents, e.g. expatriate work permits, labour law and employment law support, revision of regulations, etc. The park also offers conference and meeting facilities with the capacity to provide for up to 200 people.</p>		







## Indonesia – Greenland International Industrial Center (GIIC)

Industrial Park ID: XXID06

Infrastructure	Transport	Facilities	Rent	Information on Managing Association
<p><b>Electrical power supply:</b> Electricity is provided by PLN (state owned company). There is Uninterrupted Power Supply facilities located in the premises.</p>	<p><b>Road:</b> The road system in the park is privately owned and maintained by GIIC. Currently, there are plans to increase the road network by 19% throughout the industrial area.</p>	<p><b>Restaurant/ canteen:</b> Within the industrial park there are many restaurants and canteens serving Indonesian and Japanese cuisine. There is a super mart providing additional food and shopping options.</p>	<p>Could not be confirmed through park operator or public information</p>	<p>Name and Address: Jl. Tol Jakarta-Cikampek Km. 37 Cikarang Pusat 17530</p> <p>Telephone: +62 21 8997 1188 (Contact: Stephanus S), +62 881 818 7888 (Japan desk)</p> <p>Fax: +62 21 8997 2028</p> <p>Email: stefanus@deltamas.co.id</p> <p>Website: www.kota-deltamas.jp</p>
<p><b>Water supply/ industrial water service:</b> Industrial water/clean water in the park is provided by GIIC via the Water Treatment Plant with a significant water provisions provided.</p>	<p><b>Railway:</b> There is no train station available within the complex. The transport logistic centers in the park will be able to organize for train transportation.</p>	<p><b>Hospital/ medical service station:</b> There is a medical clinic and there are plans to build a hospital. However this project is still in the planning phase.</p>		
<p><b>Sewage system/ waste water treatment:</b> Waste water is treated by Waste Water Treatment Plant provided by GIIC. The park has a modern and sufficient sewage system which is available to all areas of the park. This is provided by GIIC.</p>	<p><b>Port:</b> Not available.</p>	<p><b>Shopping center/ shops:</b> The surrounding of the park will be a mixture of residential, commercial and further industrial areas creating a massive complex called Kota Deltamas with all the amenities similar to that of a large town. Currently the Kota Deltamas complex of which GIIC resides within has a playgroup, junior and high schools, a sporting complex, a range of consumer shops and entertainment facilities and a hotel. A Japanese styled shopping mall is currently being constructed just outside the industrial area and will commence operation in 2016.</p>		
<p><b>Telecommunications:</b> There is a fiber optic network provided by Moratelindo (private) and normal telephone lines provided by Telkom (state owned company). The fiber optic network is available throughout the park.</p>	<p><b>Trucking distribution:</b> There are two private Japanese (one under construction) owned logistics centers which provide trucking and transport distribution and container yards. There is also a freight facility available 4km away.</p>	<p><b>Housing:</b> There are 16 residential clusters across the park with over 200 houses currently built.</p>		
<p><b>Standard factories:</b> Could not be confirmed through park operator or public information.</p>	<p><b>Bonded warehouse:</b> The park does not have any designated public bonded warehouses but investors may build their own if need to.</p>	<p><b>Other – Safety and security:</b> The park enjoys 24 hour security with a large and professional security team available at all times as well as an onsite police station. The park has a fire station and fire team on standby at all times.</p>		
<p><b>Other – Natural gas:</b> The park has a gas pipeline that navigates through park.</p>		<p><b>Other – Banking:</b> The park has a number of banks as well as various ATM bank facilities.</p>		

### Tenant List

<b>Total Number of Firms</b>	65
<b>Total Number of Japanese Firms</b>	55
<b>Remarks on Tenant List</b>	The park operator said that all tenant company information is confidential and would not provide any information on tenant companies.

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**Indonesia – Jababeka Industrial Estate**  
**Industrial Park ID: XXID07**

Infrastructure	Transport	Facilities	Rent	Information on Managing Association
<p><b>Electrical power supply:</b> There are Uninterrupted Power Supply facilities available in the premises. Power is being supplied by a 130MW power plant. The park authorities also have the capacity to build another 130MW plant if the park needs it. Electricity is provided by a wholly owned subsidiary PT Bekasi Power The Power Plant, consisting of two frame 9B gas turbines, manufactured by General Electric Energy, with an installed capacity of 40 – 42 MW each by ISO rating. Unlimited power supply is guaranteed for all investors.</p>	<p><b>Roads:</b> The road system in the park is part of a public/private partnership however maintenance is overseen by the estates management authority. At present the park assures the road system is sufficient for the quantity of traffic using the roads in the park, with minimal traffic disruptions within the park.</p>	<p><b>Restaurant/ cafe/beer:</b> The park has a plethora of restaurants including 28 mini-malls</p>	<p>Industrial land  Min 5000 sq.m at USD 80 excluding 10% VAT</p> <p>3-in-1 Factory Building  576-1260 sq.m at RP1.8 Billion excluding 10% VAT</p> <p>Supporting Industrial Building  460 sq.m at RP 7.175 Billion excluding 10% VAT</p>	<p>Name and Address: PT Jababeka, Jababeka Centre, Hollywood Plaza No. 10 – 12, Jl. H. Usmar Ismail, Kota Jababeka, Cikarang, Bekasi 17500, West Java, Indonesia</p> <p>Telephone: +62 21 8934580 / 8934350 (Contact: Susan )</p> <p>Fax: +62 21 898 33921, 898 3322, 893 4331</p> <p>Email: susan@jababeka.co.id</p> <p>Website: www.jababeka.com</p>
<p><b>Water supply/ industrial water service:</b> Clean water for the industrial estate and drinking water for community is treated and supplied by 2 water treatment plant units with a total capacity of 500 L/s, which is expandable to 1,000 L/s. The park also assures a high quality and quantity water provisions.</p> <p>1) For &lt; 5 litres/sq.m land/day:  At a capacity of 150 cu.m water connection/day will be USD 21,250  Operation charge/month will be USD 3,600</p> <p>2) For &gt; 5 litres/sq.m land/day:  At a capacity of 250 cu.m water connection/day will be USD 37,500  Operation charge/month will be USD 5,550.</p>	<p><b>Railway:</b> The park has freight train station which can freight straight to TJ. Priok Harbour.</p>	<p><b>Hospital/ medical service station:</b> There is an onsite international standard hospital and medical centre</p>		
<p><b>Sewage system/ waste water treatment:</b> The park's 2 wastewater treatment plant units have a capacity of 325 litres/second, which is expandable to 600 litres/second.</p> <p>1) For &lt; 5 litres/sq.m land/day  At a capacity of 150 cu.m water connection/day will be USD 18,437  Operation charge/month will be USD 3,094</p> <p>2) For &gt; 5 litres/sq.m land/day  At a capacity of 250 cu.m water connection/day will be USD 31,857  Operation charge/month will be USD 4,931</p>	<p><b>Port:</b> The park has a designated dry port, covering 200 ha and offers a cargo handling and a logistics solution for international export and import, as well as domestic distribution. The dry port is a major feature of Jababeka, the port further provides integrated port and logistics services with dozens of logistics and supply chain players, such as exporters, importers, carriers, terminal operators, container freight station, bonded warehouse, transportation, third party logistics (3PL), empty container depot, as well as banks and other supporting facilities. Being an extension gate of TJ Priok International Port, document formalities for port clearance and customs clearance are completed in the Cikarang Dry Port.</p>	<p><b>Shopping center/ shops:</b> There are several shopping centers being spread around the park.</p>		
<p><b>Telecommunications:</b>  A fiber network of fiber optics with capacity up to 3 Gigsabit/s powered by ICONV, and a telecommunication network with a capacity of 25,000 lines</p>	<p><b>Trucking distribution:</b>  There are truck distribution centers available in the park.</p>	<p><b>Housing:</b> There are 9 hotels/serviced apartments within the broader park complex. There are also 33,000 houses within the residential section of the park</p>		
<p><b>Standard factories:</b> Standard Factory Building 2000-3500 sq.m at RP 4 Billion excluding 10% VAT</p>	<p><b>Bonded warehouses:</b> Bonded warehouses are available in the park.</p>	<p><b>Other – Safety and security:</b> The park enjoys 24 hour security with a team of 5500 security officers and a police station. The park has a fire station and fire team on standby at all times.</p>		
<p><b>Other – Natural gas:</b>  Gas is sourced from state-owned Perusahaan Gas Negara (PGN) and PT Bayu Buana Gemilang (BBG), subsidiary of state-owned PT Pertamina and is piped around all parts of the park.</p>		<p><b>Other – Banking:</b> The park has a Bank of Tokyo-Mitsubishi UFJ as well as various other ATM and bank facilities.</p>		
		<p><b>Other – Business services:</b> The park has an onsite business consulting service which helps support sale/resale arrangements, construction and licenses, handling of the requisite documents, e.g. expat work permits, labour law and employment law support, revision of regulations, etc... The park also backs onto a 5km stretch of beach and has a botanical garden/park.</p>		





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**Indonesia – Kota Bukit Indah Industrial City**  
**Industrial Park ID: XXID09**

Infrastructure	Transport	Facilities	Rent	Information on Managing Association
<p><b>Electrical power supply:</b> There are no Uninterrupted Power Supply (UPS) facilities in the premises. The power infrastructure is being upgraded to a premium-platinum quality by early 2014. The onsite power plant is currently being worked on to improve the quality of supply. The power supply will only be down if Jawa-Bali power interconnection (500KVA) fails. Electricity is privately provided by PT Tatajabar Sejahtera.</p>	<p><b>Road:</b> The road system in the park is publically owned and maintained. At present the park assures the road system is sufficient for the amount of traffic in the park, with minimal traffic disruptions. The road network of the park is linked to the toll-road leading to Jakarta. However, the road may subject to serve traffic jams at times.</p>	<p><b>Restaurant/ canteen:</b> The park has multiple restaurants with varieties of cuisines open for all. There is a wet market and a mini mart to provide additional food and shopping options.</p>	<p>For land area of 1710 sq.m, the monthly rental will be USD 8,579 while monthly service charge is at IDR 2,052,000.</p> <p>Land Rental is at USD 1/sq.m/month while the monthly service charge is at IDR 1200 /sq.m/month</p>	<p>Name and Address: PT. Besland Pertiwi, 12th fl. Wisma Indocement, Jl.Jend. Sudirman Kav. 70-71, Jakarta 12910 – Indonesia            Site office: Block L, Kota Bukit Indah, Purwakarta 41183</p> <p>Telephone: +62 21 522 3773 (Contact: Inven Makinto Marketing General Manager ), +62 264 351 288 (Contact: site office)</p> <p>Fax:+62 21 522 3774</p> <p>Email: marketing@kotabukitindah.com</p> <p>Website: www.kotabukitindah.com/index.php</p>
<p><b>Water supply/ Industrial water services:</b> Water is piped from Jidduhar Lake through Tarum Timur Canal, treated for industrial purpose and distributed by PT. Bukit Indah Tirta Alam. The future capacity will be at 60,000 cum/day while the existing supply is 21,000 cum/day with water pressure at 1-2 bar. The park has an onsite Water Treatment Plant (250/s) and the park management will ensure the sufficient provision of water.</p>	<p><b>Railway:</b> The park is in close proximity to a train station with a network running directly to Tj. Priok Harbour. The transport distribution centre in the park is able to organize for train transportation if required.</p>	<p><b>Hospital/ medical service station:</b> There is a medical clinic located within the park.</p>		
<p><b>Sewage system/ waste water treatment:</b> The park has a Waste Water Treatment Plant which treats all waste within the park. The park has a modern and sufficient sewage system which is available in all areas of the park.</p>	<p><b>Port:</b> Not available</p>	<p><b>Shopping center/ shops:</b> The designated shopping precinct houses the shops, banks and telephone kiosks. Cars can be rented within the premises, with an onsite petrol station.</p>		
<p><b>Telecommunications:</b> The park has a Broad-band technology telecommunication system owned and managed by T Telkom . STO Kota Bukit Indah.</p>	<p><b>Logistic distribution:</b> Trucking and transport distribution centre is available in the park. The park has a designated container yard as well as a Custom and Excise office onsite. Handling and moving equipment can also be rented onsite.</p>	<p><b>Housing:</b> There is a 4 star hotel (KBI Plaza Hotel) as well as a 2 star hotel (Prime Inn) located in the park. Executive houses are offered to buyers with the option to customize their house in a prime residential area within the park. Housing for the middle class are also available in a residential area within walking distance to schools and the shopping complex. There is also a dormitory area (Anagrek dormitory) which provides low cost dormitory style housing for employees.</p>		
<p><b>Standard factories:</b> Could not be confirmed through park operator or public information</p>	<p><b>Bonded warehouse:</b> Bonded ware houses are available in the park.</p>	<p><b>Other – Safety and security:</b> The park enjoys 24 hour security with a large and professional security team. The park also has a fire station and fire team on standby at all times.</p>		
<p><b>Other – Natural gas:</b> The gas network in the park is supplied by Perusahaan Umum Gas Negara / PGN (the state-owned gas company) and is available throughout the park.</p>		<p><b>Other – Banking:</b> The park has a Bank of Tokyo-Mitsubishi UFJ as well as various ATM bank facilities.</p> <p><b>Other – Business services:</b> Conference and meeting facilities and rooms are available within the park. There is also a service for the handling of the requisite documents, e.g. expat work permits, etc.</p>		





**Indonesia – Kujang Industrial Estate (Kawasan Industri Kujang Cikampek (KIKC))**  
**Industrial Park ID: XXID11**

Infrastructure	Transport	Facilities	Rent	Information on Managing Association
<p><b>Electrical power supply:</b> There are no Uninterrupted Power Supply facilities in the premises. Electricity supply is provided by PLN through an onsite power station. However, if the PLN network was to fail, power supply cannot be guaranteed in the estate. The power supply is at the standard voltage 380V/3PH/50Hz.</p>	<p><b>Roads:</b> The road system in the estate is owned and maintained by the estates managing group. At present the estate assures the road system is sufficient for the amount of traffic in the park, with minimal traffic disruptions.</p>	<p><b>Restaurant/ canteen:</b> The park has a restaurant and a canteen serving a variety of cuisines. More restaurants can also be found within the hotels. There is a commercial area with supermarket providing additional food and shopping options.</p>	<p>Lease Rate not including VAT will be USD 3.50 /sq.m /year</p> <p>Service charge for maintenance of roads, street lighting, rainfall drainage, landscaping is IDR 500 /sq.m/month</p>	<p>Name and Address: PT Kawasan Industri Kujang Cikampek (KIKC), Jl. Jend. A. Yani No. 39 PO Box 62, Cikampek 41373, Jawa Barat, Indonesia</p> <p>Telephone: +62 264 7000700/ 319453</p> <p>Fax: +62 264 313114</p> <p>Email: info@kike.co.id</p> <p>Website: www.kike.co.id</p>
<p><b>Water supply/ industrial water service:</b> The industrial water supply is provided through the onsite water treatment plant managed and run by PT Pupuk Kujang.</p> <p>Water Supply includes connection fee, usage fee and is dependent on the distance and sizing of connection (IDR 8,000/cu.m/month).</p>	<p><b>Railway:</b> Not available.</p>	<p><b>Hospital/ medical service station:</b> The estate has a small polyclinic providing basic medical services.</p>		
<p><b>Sewage system/ waste water treatment:</b> The park has a Waste Water collection pond which collects all waste within the estate. The collection pond has no treatment capabilities and the waste water is treated offsite.</p> <p>The park has a modern and sufficient sewage system which is available to all areas of the park.</p>	<p><b>Port:</b> Not available.</p>	<p><b>Shopping center/ shops:</b> Could not be confirmed through park operator or public information.</p>		
<p><b>Telecommunications:</b> The park uses standard PT Telkom infrastructure and there are no plans for upgrades at the moment.</p>	<p><b>Trucking distribution:</b> The park has a trucking and distribution center in the park and is privately owned.</p> <p>Handling and moving equipment can be rented onsite. There is also equipment fabrication workshop and construction equipments available for rent. These services are privately operated.</p>	<p><b>Housing:</b> The park has a designated residential area with a variety of housing options. There is a hotel within the estate offering accommodation and other facilities for conferences and meetings. The estate also has a guest house which provides basic dormitory style accommodation.</p>		
<p><b>Standard factories:</b> Could not be confirmed through park operator or public information</p>	<p><b>Bonded warehouse:</b> There are bonded warehouses in the park and is privately owned.</p>	<p><b>Other – Safety and security:</b> The estate enjoys 24 hour security with a large and professional security team. The estate also has a fire station and fire team on standby at all times.</p>		
<p><b>Other – Natural gas:</b>                      The park has a gas pipeline that navigates through park, provided by PT PGN and Pertamina.</p>		<p><b>Other – Banking:</b> The park has a bank as well as various ATM bank facilities.</p>		



## Tenant List

<b>Total Number of Firms</b>	16
<b>Total Number of Japanese Firms</b>	1
<b>Remarks on Tenant List</b>	None

Country of Origin	Company Name	Type of Business/Industry	Number of Staff in Industrial Park	Facilities in Industrial Park	Capital Invested in Industrial Park
China	Kujang Agri Mulia	Manufacture of chemicals and chemical products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
India	Indo Raya Kimia	Manufacture of chemicals and chemical products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	Sintas Kurama Perdana	Manufacture of chemicals and chemical products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	Peroksida Indonesia Pratama	Manufacture of chemicals and chemical products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	Megayaku Kemasan Perdana	Manufacture of rubber and plastics products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	Graha Cemerlang Paper Utama	Manufacture of paper and paper products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	Humpuss Karbometil Selulosa	Manufacture of chemicals and chemical products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	Jaya Readymix	Manufacture of other non-metallic mineral products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	Adhimix Precast Indonesia	Manufacture of other non-metallic mineral products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	Kujang Amanah Tani	Manufacture of chemicals and chemical products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	Kujang Arlita Persada	Manufacture of chemicals and chemical products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	Telkonsel	Manufacture of electrical equipment	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	Indosat Tbk	Manufacture of electrical equipment	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	Multi Nitrotama Kimia	Manufacture of chemicals and chemical products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japanese	Nichias Rockwool Indonesia	Manufacture of motor vehicles, trailers and semi-trailers	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Singapore	Sari Indo Prima	Manufacture of rubber and plastics products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
USA	Kujang Sud Chemie Catalysts	Manufacture of chemicals and chemical products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.

**Indonesia – Lippo Cikarang Industrial Park**  
**Industrial Park ID: XXID12**

Infrastructure	Transport	Facilities	Rent	Information on Managing Association
<p><b>Electrical power supply:</b> The park receive supply of power from the company PT Cikarang Listrindo, a privately owned energy company at a capacity of 900 MVA. The power supply will be charged at PLN's rate / PT. Cikarang Listrindo's rate.</p>	<p><b>Road:</b> The width of the primary roads are 40 m while secondary roads are 20 m.</p>	<p><b>Restaurant/ canteen:</b> Could not be confirmed through park operator or public information</p>	<p>Lippo Cikarang (as of 2011):                      Industrial Land: 5,000 sq.m and up                      Service Charge: USD 0.05 /sq.m I month + VAT 10%</p> <p>*Prices in the industrial estate varied between USD 43-82 per sq.m.</p>	<p>Name and Address: PT Lippo Cikarang Tbk. Gedung Menara Pasifik, Jl. MH. Thamrin Kav. 107, Lippo Cikarang, Bekasi 17550</p> <p>Telephone: +62 21 8972080,8972484</p> <p>Fax: +62 21 8972081, 8972170, 8972093</p> <p>Email: lctpark@lippo-cikarang.com</p> <p>Website: www.lippo-cikarang.com</p>
<p><b>Water supply/ industrial water service:</b> Water is supplied by PT Lippo Cikarang at 40,000 cu.m/day. Water supply is being charged at USD 0.80 / cu.m</p>	<p><b>Railway:</b> Not available.</p>	<p><b>Hospital/ medical service station:</b> Could not be confirmed through park operator or public information.</p>		
<p><b>Sewage system/ waste water treatment:</b> The waste water treatment facilities are provided by PT Lippo Cikarang, with the capacity of 10,000 cu.m/day</p> <p>USD 0.80/cu.m+VAT 10%</p>	<p><b>Port:</b> Not available.</p>	<p><b>Shopping center/ shops:</b> A two storey retail shopping mall, Mall Lippo Cikarang, can be found in the industrial estate.</p>		
<p><b>Telecommunications:</b> Telecommunication is provided by PT Telkom with a STO capacity of 15,000 lines. Telecommunication is being charged at Telkom's rate.</p>	<p><b>Trucking distribution:</b> Could not be confirmed through park operator or public information.</p>	<p><b>Housing:</b> Worker's dormitories can be found in the Delta Silicon III, a 5 star hotel located within the estate, and the recently added South Tower-Trivium Terrace Apartments.</p>		
<p><b>Standard factories:</b> Reportedly there are more than 500 factories and 250,000 workers on site. Ready-to-Build Factory are available for leasing to smaller enterprises. Listed RBF locations are Delta Technology Center Building (land size 99.5sqm-2,389 sqm, building size 860 sqm-1024 sqm) and Multiguna Niaga Buildings (500 sqm-1500 sqm).</p>	<p><b>Bonded warehouse:</b> Could not be confirmed through park operator or public information</p>	<p><b>Other – Business Services:</b> Professional City Management Division, Japanese SME business center and services are available.</p>		
				<p><b>Other – Safety and security:</b> 24 hour security is available.</p>

**Tenant List**

<b>Total Number of Firms</b>	850
<b>Total Number of Japanese Firms</b>	104
<b>Remarks on Tenant List</b>	None

<b>Country of Origin</b>	<b>Company Name</b>	<b>Type of Business/Industry</b>	<b>Number of Staff in Industrial Park</b>	<b>Facilities in Industrial Park</b>	<b>Capital Invested in Industrial Park</b>
Korea	Hankook Tire	Manufacture of parts and accessories for motor vehicles	Could not be confirmed through park operator or public information	In 2011, Hankook Tire invested in its 7th plant in Lippo Cikarang (a USD 353 million investment) for four major production facilities covering 60 ha land. The investment is the first stage of the total USD 1.1 billion investment that Hankook will make in Indonesia by 2018.	Could not be confirmed through park operator or public information

**Indonesia – Mitra Karawang Jaya Industrial Estate (Kawasan Industri Mitra Karawang (KIM))**  
**Industrial Park ID: XXID15**

Infrastructure	Transport	Facilities	Rent	Information on Managing Association
<p><b>Electrical power supply:</b> Power supply in the industrial park is provided by Perusahaan Listrik Negara (PLN ) at a capacity of 124 MVA . The power supply is being charged at PLN' s rate.</p>	<p><b>Road:</b> The width of the primary roads are 45 m while secondary roads are 25 m.</p>	<p><b>Restaurant/ canteen:</b> Could not be confirmed through park operator or public information</p>	<p>Industrial land : Negotiable                      Service charge : USD 0.05 /sq.m/month</p>	<p>Name and Address (Jakarta Representative Office):                      PT. Mitra Karawang Jaya. Imora Building. 4th Fl. J.L. P. Jayakarta No.50, Jakarta 10730</p> <p>Telephone:+62 21 6010805, 6010806, 6287291</p> <p>Fax: +62 21 6287292</p> <p>Email: Could not be confirmed through park operator or public information.</p> <p>Website: Could not be confirmed through park operator or public information.</p>
<p><b>Water supply/ industrial water service:</b> Water Treatment Plant Production Capacity is at 21.600 cu.m/hour                      Connection : USD 15.000                      Consumption : USD 0.50 / cu.m</p>	<p><b>Railway:</b> Not available.</p>	<p><b>Hospital/ medical service station:</b> There is a medical center available in the industrial park.</p>		
<p><b>Sewage system/ waste water treatment:</b> There is Water Treatment Plant available onsite with a treatment capacity of 21.600 cu.m/hour.</p>	<p><b>Port:</b> Not available.</p>	<p><b>Shopping center/ shops:</b> Could not be confirmed through park operator or public information</p>		
<p><b>Telecommunications:</b> Telecommunication services are provided by Telkom with a STO capacity of 1,500 lines.</p>	<p><b>Trucking distribution:</b> Could not be confirmed through park operator or public information.</p>	<p><b>Housing:</b> Could not be confirmed through park operator or public information.</p>		
<p><b>Standard factories:</b> Could not be confirmed through park operator or public information.</p>	<p><b>Bonded warehouse:</b> Could not be confirmed through park operator or public information</p>	<p><b>Other – Safety and security:</b> Firefighting station can be found in the industrial park and 24 hours security is available.</p>		
		<p><b>Other – Banking :</b> A bank can be found onsite.</p>		

**Tenant List**

<b>Total Number of Firms</b>	Could not be confirmed through park operator or public information.
<b>Total Number of Japanese Firms</b>	4
<b>Remarks on Tenant List</b>	The park operator said that all tenant company information is confidential and would not provide any information on tenant companies. No comprehensive list of tenant companies was publicly available.

Country of Origin	Company Name	Type of Business/Industry	Number of Staff in Industrial Park	Facilities in Industrial Park	Capital Invested in Industrial Park
Japan	PT TT Techno-Park Indonesia	Land/ Manufacturing plant/Clerical Office Leasing/Consulting Service	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Toyota Tsusho (75%), PT Toyota Sussho Indonesia(25%); USD 12 million, total investment JPY 4 billion. Land area approx. 150,000m2 (approx. Six buildings). Completion expected by 2014.
Japan	PT Nippon Express Indonesia	Freight Air Transport	Could not be confirmed through park operator or public information.	In May, 2012, the company announced the opening of a 12,500m2 logistic center in the industrial park, which will consist of a warehouse (5,696 m2) and office area (831 m2). Technical specifications: 300 lux; fully equipped with 10 truck loading docks, backup generator (50kV.), exterior/interior CCTV coverage.	Could not be confirmed through park operator or public information.

**Indonesia – MM2100 Industrial Town (MMID)**  
**Industrial Park ID: XXID16**

Infrastructure	Transport	Facilities	Rent	Information on Managing Association
<p><b>Electrical power supply:</b> Electricity is supplied by Cikarang Listrindo &amp; PLN at a capacity of 348MVA.</p>	<p><b>Road:</b> The primary road has a width of 41 to 60 m with 4 lanes while the secondary road has a width of 18 to 20 m with 2 lanes.</p>	<p><b>Restaurant/ canteen:</b> There are restaurants onsite.</p>	<p>Industrial Land: USD 65 / sq.m minimum 5,000 sq.m;                      USD110-115 m/2 (as of Sept. 2012)</p> <p>Service Charge: USD 0.06 / sq.m/ month</p>	<p>Name and Address: MM2100 PT. Megalopolis Manunggal Ind. Dev., MM2100 Industrial Town, Cikarang Barat, Bekasi 17520</p> <p>Telephone: +62 21 8981001,8982100</p> <p>Fax: +62 21 8981002</p> <p>Email: asty@mmid.co.id</p> <p>Website: www.mm2100.co.id</p>
<p><b>Water supply/ industrial water service:</b> Water is being supplied by PT MMID at a capacity of 72,000 cum/day</p> <p><b>MSQ.M100 (PT. Megalopolis Manunggal Ind. Dev.)</b>                      Connection: USD 20,000 – 60,000                      Consumption: USD 0.40/ cum</p> <p>Garbage Collection: RP 50,00 monthly + RP. 10,000/cum</p>	<p><b>Railway:</b> Not available</p>	<p><b>Hospital/ medical service station:</b>                      A health clinic is available within the industrial estate.</p>		<p>Name and Address: Marketing Office Tokyo : Marubeni Corporation, Overseas Housing Development Dept. 5-20-6 Shiba, Minato-Ku, Tokyo, 108-0014, Japan</p> <p>Telephone: +81 3 5446 2166</p> <p>Fax : +81 3 5446 2150</p> <p>Email: Could not be confirmed through park operator or public information.</p> <p>Website: Could not be confirmed through park operator or public information.</p>
<p><b>Sewage system/ waste water treatment:</b> Waste water is being treated with WWTP at a capacity of 64,800 cum/day.</p> <p><b>MSQ.M100 (PT. Megalopolis Manunggal Ind. Dev.)</b>                      Connection: Free of Charge                      Consumption: USD 0.55/m<sup>3</sup></p>	<p><b>Port:</b> Not available</p>	<p><b>Shopping center/ shops:</b> Could not be confirmed through park operator or public information</p>		
<p><b>Telecommunications:</b> Telecommunication services are offered by Telkom. International direct dialing and data communications are available through leased-line provided by PT. Indosat, PT. NTT Indonesia and Icon + with a STO capacity of 10,000 lines.</p>	<p><b>Trucking distribution:</b> Could not be confirmed through park operator or public information</p>	<p><b>Housing:</b> There are serviced apartments on site (MM2100 Serviced Apartment) offering a swimming pool, fitness room, massage place, travel agent services, Japanese SPA, Meeting/Conference Room, Grocery Store, and a Garden Terrace. Serviced Apartments accommodate 102 rooms, in 3 types: Type A – Studio, Type B – One Bedroom, Type C – Two Bedrooms. Available for daily and long term stay.</p>		
<p><b>Standard factories:</b> Could not be confirmed through park operator or public information</p>	<p><b>Bonded warehouse:</b> Could not be confirmed through park operator or public information</p>	<p><b>Other – Safety and security:</b> There is a fire brigade in the estate with 24-hour security with a Police/Security department.</p>		
<p><b>Other – Natural gas:</b> Natural gas is supplied by PGN and Igas Utama while industrial gas is supplied by Air Liquide Indonesia</p> <p>Gas Tariff: PGN and/or Igas rate</p>		<p><b>Other – Banking:</b> Banking services are available in the estate</p>		

## Tenant List

Total Number of Firms	175
Total Number of Japanese Firms	119
Remarks on Tenant List	None

Country of Origin	Company Name	Type of Business/Industry	Number of Staff in Industrial Park	Facilities in Industrial Park	Capital Invested in Industrial Park
Australia	PT. Bluescope Steel Indonesia	Distribution of Coated Steel Coils & Mfg & Distr. of Roll Formed Steel Bldg Materials	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Australia	PT. Coca-Cola Bottling Indonesia	Manufacture of beverages	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
France	PT. Air Liquide Indonesia	Distribution of industrial gases (O2, N2, Ar, H2, Special Gases (Helium, Co. N2O2))	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Germany	PT. Faber-Castell International Indonesia	Stationery and Drawing, Including Appliances	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Germany	PT. Framas Indonesia	Shoes Component Made of Plastic (Out Soles, Tension Bars etc)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Germany	PT. Schenider Indonesia	Manufacturing of Electrical Wiring Devices	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	CV. Bhakti	Manufacturing of Motorcycle Parts	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT. Advance Stabilindo Industry	Chemical Industry (Advastab TM 181 FS)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT. AmaSingaporeo Bintang Cemerlang	Distributor of Dispense Equipment and Laboratory Test	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT. Argo Pantes	Manufacture of textiles	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT. Astra Otoparts, Tbk	Manufacturer of Automotive Components	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT. Avdisc Crestec Interindo	Manufacture of computers and peripheral equipment	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT. Benson Power Mobility	General Trading for Motorcycle, Spare Parts and Accessories	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT. DCI Indonesia	Data Center Services and Building Management	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT. Dharma Maruwa Garment Indonesia	Manufacturing of Knitted Wear	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT. Diamond Cold Storage	Warehousing and storage	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT. Diamond Diaci Anugrah Jaya	Glass Processor Industry, Trucking, Container Depot	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT. Dian Lestari Sejahtera	General Trading	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT. Digital Media Technology	Manufacture of computers and peripheral equipment	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT. Dyson Zedmark Indonesia Limited	Precision Refractory	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT. FUnited Kingdomuyama Giken Indonesia	Forging Industry (Yoke, Flange, Rocker Arm, Connector)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT. Haldin Pacific Semesta	Mfg of Natural Ingredients for Flavor, Fragrance, Food, Beverage, pharmaceutical, etc	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT. Igas Utama	Field Adm Bldg,workshop,stockyard related to the industry of Natural Gas	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT. Indomak Kitacipta Karya	Distribution and Logistics Center	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT. Inter Candy Utama	Manufacture of starches and starch products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT. Lakshmi Leela Garment Industries	Garment Industry	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT. Lakta Aroma Indonesia	Industry of Aroma and Atsiri Oil (Essentials Oil & Extract)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT. Mayora Indah	Manufacturing of Biscuit and Confectionery	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT. Menara Cipta Metalindo	Manufacturing of Press Part & Spare Parts Automobile	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT. Nusahadi Citraharmonis	Manufacturer of Automotive Components	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT. Padma Soode Indonesia/PT. Ciptajaya KreaSingaporeo Utama	Manufacturing of Electronics Components (Micro Switch)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT. Sayap Mas Utama	Warehousing and storage	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT. Setia Guna Sejati	Manufacturer of Automotive Components	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT. Sumber Kita Indah	Warehousing and storage	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT. SUnited Kingdomanda Djaya	Refrigerated Food Distribution Center	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT. Suryaduta Investama	Printing	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT. Tirta Alam Segar	Warehousing and storage	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT. Wahana Dirgantara	Warehousing and storage	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT. Wira Logtama Saksama	Warehouse & Cold storage	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT Sanyo Jaya Components Indonesia	Manufacturing of Electronics Component	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. AKS Precision Ball Indonesia	Manufacturing and Sales of Steel Balls for Ball Bearings	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Alpha Industries Indonesia	Mfg of Plastic Part for Battery (Insulation washer, Plastic Seal, Rm Vent Seal)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Asahi Best Base Indonesia	Sub-Assembly & Electronics Component (Audio, Video, Motorcycle, etc)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Asahi Denso Indonesia	Manufacturing and Distribution of Motorcycle Electrical Component	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Asiatec Fujiwara Manufacturing Indonesia	Manufacture of domestic appliances	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.

Country of Origin	Company Name	Type of Business/Industry	Number of Staff in Industrial Park	Facilities in Industrial Park	Capital Invested in Industrial Park
Japan	PT. Asmo Indonesia	Manufacturing of Automobile Spare Parts	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Astra Honda Motor	Manufacture of parts and accessories for motor vehicles	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Bando Electronics Indonesia	Manufacturing of Power Transformer for Audio Set	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Crestec Indonesia	Manufacture of pulp, paper and paperboard	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Daido Metal Indonesia	Manufacturing of Plain Bearings	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Daido SP Indonesia	Manufacturer of Automotive Components	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Daigo Steel	Metal Fabrication (Steel Flange for concrete Pile)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Daya Kobelco Construction Machinery Indonesia	Main Distributor of Construction Machineries	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Denso Indonesia	Automotive Components Mfg (Car & Bus A/C, Sparks Plugs, etc)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Emblem Asia	Manufacturing of Nylon Films	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Enomoto Sniandi Industries Indonesia	Metal Works Manufacturing & Sales of Drum Closure	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. FDK Indonesia	Manufacture of other electrical equipment	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Federal Nittan Industries	Manufacturer of Automotive Components	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. FUnited KingdomsUnited Kingdome Kogyo	Packaging activities	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. FUnited KingdomsUnited Kingdome Kogyo Indonesia	Manufacturing of Bags	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Goo Indonesia Chemical	Industry of Synthetic Polymer Products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. GS Electech Indonesia	Manufacturing Process & Sales of Automotive Wiring Harness of Various Type	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Hanken Indonesia	Sheet Metal Fabrication for Construction Machinery	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Hanwa Steel Service Indonesia	Steel Service Center	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Higashifuji Indonesia	Synchronized Motor & Stepping Motor & Other Electric, Electronics Parts	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Hogy Indonesia (1)	Manufacturing of Disposable Medical Equipments	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Hogy Indonesia (2)	Manufacturing Life and Medical Equipment	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Honda Lock Indonesia	Mfg, Marketing & Distributing Parts for Motorcycle, Automobile and Other	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Ichikoh Indonesia	Manufacturing of Automotive Parts	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Indonesia Shibauro Wing	Industry of Steel Plate Process (Cutting, Bending, Machining and Welding)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Istana Tiara / PT. TSB Indonesia	Manufacturing and Distributor of Motorcycle Parts	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. J.S.T. Indonesia	Manufacturing of Termination and Connector Electronics Spare Parts	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. JFE Shoji Steel Indonesia	Manufacture of wiring devices	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Kansai Paint Indonesia	Paint and Related Painting Materials Manufacturing	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Kawashima Engineering Plastic Indonesia	Engineering Plastic Injection Moulding	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Kayaba Indonesia	Manufacturing of Shock Absorber	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. KDS Indonesia	Manufacturing of Electronics Component (Crystal Resonator)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Keihin Indonesia	Manufacturing of Automotive Components	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Kojin Indonesia	Manufacture of plastics products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Komatsu Indonesia	Heavy Equipments and Its Components	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Komatsu Patria Attachment	Industry of component/machines equipment for mining, excavation & construction	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Kotera Indonesia	Metal Ornament (Buddhist Altar Fittings Manufacturing)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Koyo Jaya Indonesia	Manufacturing of Automotive Radiators	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Lotte Indonesia	Manufacturing of Chewing Gums	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. M.A.S. Indonesia	Plastic Parts, Metal and Electronics Component	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Mandom Indonesia, Tbk (1)	Manufacturing of Cosmetics, Toiletries, Perfumes & Plastic Products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Mandom Indonesia, Tbk (2)	Manufacture of Cosmetics, Toiletries, Perfumes and Plastic Products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Maruhachi Indonesia	Process industry for any kinds of special metal work	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Meiwa Mold Indonesia	Design, Manufacturing and Sales of Mold	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Melco Indonesia	Industry of machinery/equipment for manufacturing process/metal work	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Mikuni Indonesia	Industrial Equipment & components for vehicle, motorcycle & any other similar things	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Mitsuba Indonesia Pipe Parts	Manufacture of the Motorcycle Parts and Sales	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Nanbu Plastics Indonesia	Manufacture of plastics products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Nihon Chemical Indonesia	Manufacturer of Automotive Components	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.

Country of Origin	Company Name	Type of Business/Industry	Number of Staff in Industrial Park	Facilities in Industrial Park	Capital Invested in Industrial Park
Japan	PT. Nipissun Indonesia	Manufacturing of Color Compound for Plastic	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Nipissun Indonesia (2)	Manufacturing of Plastic Parts	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Nittsu Shoji Indonesia	Consulting services	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. NOK Indonesia	Special Industry Machine Parts (Sealing Devices)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. NSK Bearings Manufacturings Indonesia	Manufacturing of Rolling Bearings	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. NSK Bearings Mfg Indonesia /PT. HRS Indonesia	Manufacture of Ring for Bearing Industry	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. NSK-Warner Indonesia	Manufacture of Primary Components, e.g. Clutch, Bearings, etc	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Nusa Toyotetsu (1)	Press and Welding Parts (Parking Brake Lever, Door Hinge, etc)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Nusa Toyotetsu (2)	Manufacturer of Automotive Components	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Ohtomi	General Printer Adhesive Label Specialist	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Oriental Aashi JP Carton Box	Manufacture of pulp, paper and paperboard	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Panasonic Healthcare Indonesia	Manufacturing of Medical Equipment Healthcare Product	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Paramount Bed Indonesia	Manufacture of medical and dental instruments and supplies	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Parker Metal Treatment Indonesia	Metal Treatment Services	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Polymatech Indonesia	Elastomer Switches Industries (Key Pad Rubber)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Poimi Steel Indonesia	Shearing and Sittng of Cold Rolled Steel, Metal Pressed Part, Welding, etc	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Progress Toyo (Indonesia)	Manufacturing of Automotive & Motorcycle Parts (Rear View Mirror)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Rken Indonesia	Manufacturing of Plastic Pellet (Industry PVC Compound)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Roki Indonesia	Manufacturing and Sales of Parts for Motorcycles, Automobiles and others	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Sankei Gohsyu Industries (PT. SQI) (1)	Manufacturing of Automotive Components	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Sankei Gohsyu Industries (PT. SQI) (2)	Mfg of Forging Goods, Automobile & Motorcycle Parts & Export/Import These	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Sanken Indonesia	Power Supply Unit & Transformer Manufacturing	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Sankyo Indonesia	Electrical House wares (Electric Blanket, Electric Carpet)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Sanyo Special Steel Indonesia	Manufacture of metal-forming machinery and machine tools	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. SBP Indonesia	Manufacturing and Sales of Plastic Sheet	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Seiva Indonesia	Power Transmission Belts for Industrial and Automotive Use	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Sekiso Industries Indonesia	Manufacturing of Noise Dumping Sheet for Automotive Industry	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Shibaura Shearing Indonesia	Industry of Steel Plate Process (Cutting, Bending, Machining and Welding)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Shindengen Indonesia	Manufacturing, Sales & Trading of Electronic Circuit Prod 2-Wheel Vech & etc	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Shinsei Denshi Indonesia	Technical Equipment and Industry of Plastic and Electronics Components	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Shinto Kogyo Indonesia	Industrial Plastic Component for Automotive (Leg Shield, Oil Tank)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Shinto Kogyo Indonesia (2)	Manufacture of plastics products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Siliortek Ekadharna Indonesia	Manufacturing of Pressure Sensitive Adhesive Tapes	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Sudo Manufacturing Indonesia	Pres for Bearings	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Sugty Creatives (1)	Auto Body Assembly & Manufacturing of Plastic Injection Moulding	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Sugty Creatives (2)	Manufacturing of Automotive Components	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Sumco Indonesia	Manufacturing of Polished Silicon Wafers	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Sumitomo Electric Wintec Indonesia	Manufacturing of Magnet Wire	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Sunstar Engineering Indonesia	Manufacturing of Motorcycle Parts (Sprocket Rear, Disk Brake)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Super Steel Karawang	Shearing and Sittng of Steel Coils	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Taiyo Toshih Indonesia	Manufacturing of Cookware Products, Stainless Steel	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Takai Seki Indonesia	Industry of electronics equipments from plastic & industry of automotive components & other machinery	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Tenma Indonesia	Manufacture of plastics products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Topla Abadi Jaya	Manufacturing of Plastic Extrusion for Refri/Germarystors	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Topla Hymold Indonesia	Manufacturer & Sales of Plastic Injection Moulding & Process Product	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Topla Techno Jaya	Manufacture of plastics products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Toyo Denso Indonesia	Mfg & Sales of Parts of Motorcycles, Automobile & or Power Products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Toyo Ink Indonesia	Printing Ink & Coating Varnish Manufacturing	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Toyo Seal Indonesia	Manufacturing of Rubber Seal for Bearings	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.



Country of Origin	Company Name	Type of Business/Industry	Number of Staff in Industrial Park	Facilities in Industrial Park	Capital Invested in Industrial Park
Japan	PT. Toyota Auto Body – Tokai Extrusion	Manufacture of basic iron and steel	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Toyota Boshoku Indonesia	Manufacturing of Seat and Car Interior	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Toyota Tsusho Logistic Center	Warehousing and storage	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Toyota Tsusho Mechanical & Engineering Service Indonesia	Mechanical Workshop	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Tauchiya Manufacturing Indonesia (PT.Najima)	Precision Plastic Parts for Electrical Equipment	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Umeda Kogyo Indonesia	Precision Metal Stamping and Dies Maker	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Yamada Indonesia	Manufacturing of Furniture Components	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Yamaha Indonesia Motor Manufacturing	Manufacture of parts and accessories for motor vehicles	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Yamaha Motor Electronics Indonesia	Manufacturing and Distribution of Motorcycles Electrical Component	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Yamaha Music Manufacturing Asia	Manufacturing of Musical Instruments	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. YTK Indonesia	Manufacturer of Automotive Parts	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Yusen Logistics Solutions Indonesia (1)	Warehousing and storage, Distribution Network	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Yusen Logistics Solutions Indonesia (2)	Warehousing and storage	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Yutaka Manufacturing Indonesia (1)	Manufacturing of Disc Plate for Motorcycle Braking System	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT. Yutaka Manufacturing Indonesia (2)	Manufacturing of Parts for Motorcycles and Automobiles	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Korean	PT. Dae In Tech Indonesia	Engineering, Assembling Part of VCR	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Korean	PT. Dongju Raya Indonesia	Manufacture of paper and paper products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Korean	PT. Dongyang Electronics Indonesia	Manufacturing of Component Electronics	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Korean	PT. Hjuj Elektronika Indonesia	Manufacture of plastics products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Korean	PT. Indonesia Dae Yang/PT. Han Sung Electronics Ind.	Manufacturing of Remote Control	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Korean	PT. LG Electronics Indonesia	Electronics Mfg (Color Picture Tube, Color Monitor, Video Cassette .etc)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Korean	PT. LP Displays Indonesia	Electronics Mfg (Color Picture Tube, Color Monitor, Video Cassette .etc)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Korean	PT. Woin	Manufacture of electronic components	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Malaysia	PT. Denko Wahana Industries Indonesia	Electronics Component & Turbine Ventilator (Speaker Grilles, Panel)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Netherlands	PT. Philip Morris Indonesia	Manufacturing of cigarettes, preparation of warehouse, fumigation & warehouse of tobacco, etc	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Norway	PT. Jotun Indonesia	Manufacture of paints, varnishes and similar coatings, printing ink and mastics	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Singapore	Mr. Johannes Tedjapranatha/ PT. URC Indonesia (2)	Food ( Corn Chips, Corn Curcle, Confectionery)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Singapore	PT. Jawa Manufacturing & Trading Company	Sport & Medical Protection Accessories Equipment Manufacturing	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Singapore	PT. URC Indonesia (1)	Food ( Corn Chips, Corn Curcle, Confectionery)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Switzerland	PT. ABB Sakti Industri	Manufacturer of Electrical Components	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Taiwan	PT. Teco Elektro Indonesia/PT. Sanyang Industri Ind.	Motorcycle Assembling	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
UK	PT. Chubb Safes Indonesia	Manufacture of other general-purpose machinery	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.

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**Indonesia – Suryacipta City of Industry**  
**Industrial Park ID: XXID21**

Infrastructure	Transport	Facilities	Rent	Information on Managing Association
<p><b>Electrical power supply:</b> The power in the park is supplied by Perusahaan Listrik Negara PLN, the state owned electric company. Total design capacity is 300 MVA for 1,400 ha with spindle underground network system and independent substation within the estate. Electricity is supplied to individual tenants at 20 KV@50 Hz. Each tenant is required to have its own transformer to reduce voltage to 220 Volt or 380 Volt if needed. Electricity Charges are based on PLN standard rates plus applicable connection charges.</p>	<p><b>Road:</b> The primary road has a width of 50 m with 4 lines divided highway with lighting and median grass strip. Traffic volume estimated at 3,000 vehicle/day/direction at 60 km/hr avg.speed            Secondary Road has a width of 30 m with 2 lines two-way street with sidewalk &amp; street lighting. Traffic volume is at 1000 vehicle/day/direction at 40 km/hr avg. speed.</p>	<p><b>Restaurant/ canteen:</b> Could not be confirmed through park operator or public information</p>	<p>MSG.M100 (PT. Megalopolis Manunggal Ind. Dev.)            Industrial Land: USD 65 /sq.m minimum 5,000 sq.m; USD 110-115 sq.m (as of Sept. 2012)            Service Charge: USD 0.06 /sq.m/month</p>	<p>Name and Address: PT. Suryacipta Swadaya            Jalan Surya Lestari, Ciampel            Karawang 41361,Indonesia            Main contractors: PT JAYA OBAYASHI – PT NUSA RAYA            CIPITA (Joint Operation)            PT KUMAGAI – Kadil (Joint Operation)            Telephone : +62 267 440088            Fax : +62 267 440077            Email: info@suryacipta.com            Website: jakarta-web-design.com/suryacipta_demo3/</p>
<p><b>Water supply/ industrial water service:</b> SCI clean raw water resources comes from the Tarum Barat Canal, which flows continuously along the East Side of the estate, originating from the Jatiluhur Dam. The water supply system at Suryacipta City of Industry consists of intake point at the Tarum Barat Canal, spare basin &amp; setting basin, Water Treatment facility, distribution tank, distribution pipe network and connection point. The industrial water supply is available at all times from the main distribution tank. Emergency power back up assures the treatment facilities are operational at all times.            Connection: USD 20,000 – 60,000            Consumption: USD 0.40/cum</p>	<p><b>Railway:</b> Not available.</p>	<p><b>Hospital/ medical service station:</b> There is hospital/medical service onsite.</p>		
<p><b>Sewage system/ waste water treatment:</b> Sewerage system is installed underground through concrete pipes along the road from 300 mm diameter up to 1200 mm in diameter. The distance between manholes is around 50 m.            The raw water is treated in the treatment plant through coagulation, mixing, and flocculation process before the final sand filtration process. The industrial water is then pumped into the main distribution tank and distributed to industry approximately 1.0 – 2.0 bars. Current design plant capacity is 15,400 cum/day for every 500 ha of Industrial Area.            The Drainage system consists of canal network which collects and conveys the effluent waters from the lot to the Citarum River.            Garbage Collection: IDR 50,00 monthly + IDR 10,000/cum  <b>MSG.M100 (PT. Megalopolis Manunggal Ind. Dev.)</b>            Connection: Free of Charge            Consumption: USD 0.55/ cum</p>	<p><b>Port:</b> Not available.</p>	<p><b>Shopping center/ shops:</b> There will be shops available at the Suryacipta Square.</p>		
<p><b>Telecommunications:</b> Telecommunications consist of telephone lines as well as internet provision. There are 29,340 lines, ISDN and Leased lines from Ciampel – Karawang Central Exchange (TELKOM). Internal Service Provider (ISP), Leased lines, Frame relay, Fax plus IDD, Fiber optic telecommunication network &amp; internet are provided by INDOSAT, ICON*, TELKOM and Biznet.</p>	<p><b>Trucking distribution:</b> Could not be confirmed through park operator or public information</p>	<p><b>Housing:</b> There will be 5 budget hotels being built and the first one is currently built.</p>		
<p><b>Standard factories:</b> Could not be confirmed through park operator or public information</p>	<p><b>Bonded warehouse:</b> Could not be confirmed through park operator or public information</p>	<p><b>Other – Safety and security :</b> Security and estate management as well as fire brigade are available.</p>		
<p><b>Other – Natural gas:</b> PGN and/or lgas rate</p>		<p><b>Other – Banking :</b> Banking facilities are available onsite.</p>		

## Tenant List

Total Number of Firms	129
Total Number of Japanese Firms	64
Remarks on Tenant List	None

Country of Origin	Company Name	Type of Business/Industry	Number of Staff in Industrial Park	Facilities in Industrial Park	Capital Invested in Industrial Park
Belgium	PT Bekaert Advanced Filtration	Manufacturer of Filter	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Belgium	PT Bekaert Indonesia	Manufacturer of Tire Rim	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
China	PT East Hope Agriculture Indonesia	Producer of Feed Mills	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Dutch	PT Q-Spicing	Manufacture of other food products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
German	PT FreshTex Garment	Finishing of textiles	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
India	PT Pidilite Indonesia	Manufacture of plastics and synthetic rubber in primary forms	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
India	PT Sandhar Indonesia	Manufacturer of Automotive Components	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
India	PT TVS Motor Company Indonesia	Manufacturer of Automotive Products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT Aprinus Coating Services	Treatment and coating of metals	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT Asia Citra Pratama	Finishing of textiles	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT Astra International Tbk	Manufacturer of Automotive Components	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT Astra Otoparts Tbk	Manufacturer of Automotive Components	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT Berkah Mirza Inansi	Distribution and transmission of natural gas	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT Beta Pharmaco	Pharmacy	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT Cahaya Asita Ekutama	Heavy Equipment	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT Dasa Windu Agung	Manufacturer of Automotive Components	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT Eternit Gresik	Manufacture of articles of concrete, cement and plaster	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT Geo Link Nusantara	Workshop	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT Grand Kartech	Manufacture of fabricated metal products, except machinery and equipment	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT Qusuni Industrindo	Manufacture of parts and accessories for motor vehicles	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT Hume Construction Indonesia	Manufacture of basic iron and steel	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT Inertia Utama	Pharmacy	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT Kemasan Cipta Utama	Packaging activities	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT La Vida Herculon	Manufacturer of Automotive Components	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT Mekar Armada Jaya	Manufacturer of Automotive Components	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT Metindo Era Sakti	Manufacturer of Automotive Components	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT Nestle Indofood Citarasa Indonesia	Producer of Food Seasoning	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT PGN (Persero) Tbk.	Distribution and transmission of natural gas	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT Polindo Uretan Services	Event catering and other food service activities	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT Rookwood Jaya Abadi	Manufacture of articles of concrete, cement and plaster	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT Sampoerna Percetakan Nusantara	Printing	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT Santos Jaya Abadi	Wholesale of food, beverages and tobacco	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT Sparta Guna Sentosa	Manufacturer of Automotive Components	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT Sumatera Hakarindo	Packaging activities	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT Swadaya Indo Prima	Manufacture of other fabricated metal products; metalworking service activities	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT Syn Toba Grafika	Manufacture of other special-purpose machinery	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT Tara Fajar Transportindo	Transportation	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT Toyoki Indonesia	Plating	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT Uno Filter Technology	Manufacture of other fabricated metal products; metalworking service activities	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT Wijaya Karya Beton	Manufacture of articles of concrete, cement and plaster	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT Wika Kobe	Manufacture of articles of concrete, cement and plaster	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT Izumi EPS Indonesia	Packaging Activities	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT J-Tech Manufacturing of Indonesia	Manufacture of electronic components and boards	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT Keramik Indonesia Assosiasi	Manufacture of other porcelain and ceramic products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	PT KIA Keramik Mas	Manufacture of other porcelain and ceramic products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.



Country of Origin	Company Name	Type of Business/Industry	Number of Staff in Industrial Park	Facilities in Industrial Park	Capital Invested in Industrial Park
Japan	PT SMC Manufacturing Indonesia	Manufacture of control equipment, pneumatic equipment, valves, filters and actuators	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT Sugura Indonesia	Manufacture of other fabricated metal products: metalworking service activities	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT Tamano Indonesia	Manufacturer of Automotive Components	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT Tenma Indonesia	Plastic Injection	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT Topsy Palingda Manufacturing Ind	Manufacturer of Automotive Components	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT Toyo BP Indonesia	Packaging activities	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT Tsuzuki & Asama Manufacturing	Manufacturer of Automotive Components	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT Tuffindo Nitoku Autoneum	Manufacturer of Automotive Components	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT Uyemura Indonesia	Manufacturer of Automotive Components	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT Chiyoda Integre Indonesia	Manufacture of electronic components and boards	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT E-Pack Indonesia	Packaging Activities	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT GS Battery, Inc	Manufacture of other electrical equipment	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT JVC Electronics Indonesia	Audio Video Equipment	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT Kiyokuni High Precision Utomotive Ind	Automotive Components	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT Kiyokuni Technologies Indonesia	Manufacture of electronic components and boards	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT Lima Tekno Indonesia	Aquarium Accessories	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT Nakajima All Indonesia	Manufacture of office machinery and equipment (except computers and peripheral	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT NT Piston Ring Indonesia	equipment)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT Sanden Indonesia	Manufacture of engines and turbines, except aircraft, vehicle and cycle engines	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT Super Steel Karawang	Air Condition	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT Toyo Dies Indonesia	Manufacture of other fabricated metal products: metalworking service activities	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	PT Utax Indonesia	Metal Working Machinery	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Korea	PT Aneka Boga Nusantara	Finishing of textiles	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Korea	PT Dongil Casting	Retail trade, except of motor vehicles and motorcycles	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Korea	PT SK Fiber Indonesia	Casting	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Malaysia	PT APM Armada Suspension	Manufacture of plastics and synthetic rubber in primary forms	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Malaysia	PT APM Auto Components Indonesia	Manufacturer of Automotive Components	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Malaysia	PT Botani Beverage Indonesia	Manufacturer of Automotive Components	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Malaysia	PT Zusma Plastics	Retail trade, except of motor vehicles and motorcycles	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Pakistan	PT Royal Industries Indonesia	Manufacturer of Automotive Components	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Swiss	PT Nestle Indonesia	Manufacture of vegetable and animal oils and fats	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Taiwan	PT China Glaze Indonesia	Retail trade, except of motor vehicles and motorcycles	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Taiwan	PT Chunpao Steel Indonesia	Manufacture of other porcelain and ceramic products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Thailand	PT Charoen Pokphand Indonesia Tbk	Manufacture of wiring devices	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Thailand	PT SCG Lightweight Concrete Indonesia	Retail trade, except of motor vehicles and motorcycles	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.

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**Indonesia – Karawang KIC**  
**Industrial Park ID: XXID26**

Infrastructure	Transport	Facilities	Rent	Information on Managing Association
<p><b>Electrical power supply:</b> There is no Uninterrupted Power Substation facility on site. Electrical power is supplied by PLN. KIC also has its own electric power substation. KIC has signed a contract with PLN for 180MW. Tenants may also sign contracts directly with PLN for electric supply. The power is being supplied at an electrical voltage of 20k with a frequency of 50HZ.</p> <p>Price:            Connecting fee: IDR 430,000/ kVA            Initial deposit: IDR 519,431/ kVA            (These fees reflect electric power usage over 201kVA)</p> <p>Usage fee            Basic monthly fee: IDR 41,794/ kVA            Usage fee: IDR 1,036/ KWH            (These fees reflect electric power usage over 201kVA)</p>	<p><b>Road:</b> KIC has internal road system with main roads consisting of 4 lanes with total width of 37 m and peripheral roads of 2 lanes with total width of 29 m.</p>	<p><b>Restaurant/ canteen:</b> There are 2 Japanese restaurants and an Indonesian restaurant available in the park.</p>	<p>Could not be confirmed through park operator or public information.</p>	<p>Name and Address: Sinarmas Land Ltd. 108 Pasir Panjang Road, No. 06-00 Golden Agri Plaza, Singapore 118535</p> <p>Telephone: +65 6220 7720</p> <p>Fax: +65 6590 0887</p> <p>Email: Could not be confirmed through park operator or public information.</p> <p>Website: www.sinarmasland.com</p>
<p><b>Water supply/ industrial water service:</b> Water is supplied by Tarum Barat with the maximum limit of 1 ton/ sec. Supply capacity is 30,000 ton per day. In the case that Tarum Barat cannot supply water due to maintenance issues, KIC maintains a supply of 350,000 tons of water which is equivalent to the 30 day usage amount for all KIC factories. Each enterprise has access to industrial water which is treated by the KIC water treatment plant. Total capacity to the phase 1 section and the phase 2 section equals 30,000 ton/day.</p> <p>Connection fees: (Initial cost)            USD 10,000–12,000/line (2–4 inches pipe)</p> <p>Usage fee: (Running cost)            – Basic fee: USD 200/month            – Usage fee: USD 0.95/ton (including fees for second treatment of sewage system)</p>	<p><b>Railway:</b> Not available</p>	<p><b>Hospital/ medical service station:</b> Could not be confirmed through park operator or public information.</p>	<p>Could not be confirmed through park operator or public information.</p>	<p>Name and Address: PT ITOCHU Indonesia, The Plaza Office Tower, 25th Floor, Jl. MH. Thamrin Kav. 28–30, Jakarta 10350, Indonesia</p> <p>Telephone: +62 21 2992 2121</p> <p>Fax: +62 21 2992 3220</p> <p>Website: www.itochu.co.jp</p>
<p><b>Sewage system/ waste water treatment:</b> After primary water treatment by each enterprise, secondary treatment is handled by the KIC wastewater treatment plant operating under wastewater standards. It has the capability of treat 27,000 ton per day. The treated industrial water is then discharged into the Citarum River.</p>	<p><b>Port:</b> Not available</p>	<p><b>Shopping center/ shops:</b> Convenient stores are available in the park.</p>	<p>Could not be confirmed through park operator or public information.</p>	<p>Could not be confirmed through park operator or public information.</p>
<p><b>Telecommunications:</b> Telecommunication services including telephone and ADSL are available in the park. A total of 1,000 lines are provided by TELKOM. TELKOM provides telephone, fax, lease, and ISDN service. Tenant can use both Jakarta and Kewaran numbers. Tenants will sign a contract directly with TELKOM.</p> <p>Price:            Connecting fee            Jakarta number: IDR 1,000,000/ line            Kawaran number: IDR 450,000/ line</p> <p>Usage fee:            Basic fee            Jakarta number: IDR 658,000 / month            Kawaran number: IDR 57,600/ month</p> <p>Usage fee            (KIC- JKT city)            Jakarta number: IDR 250/ 90 sec            Kawaran number: IDR 1,250/ 90 sec</p>	<p><b>Trucking distribution:</b> Could not be confirmed through park operator or public information.</p>	<p><b>Housing:</b> A hotel, an apartment complex, landed houses and serviced apartments can be found in the industrial estate.</p>	<p>Could not be confirmed through park operator or public information.</p>	<p>Could not be confirmed through park operator or public information.</p>
<p><b>Standard factories:</b> Could not be confirmed through park operator or public information.</p>	<p><b>Bonded warehouse:</b> Could not be confirmed through park operator or public information.</p>	<p><b>Other – Banking:</b> 3 banks can be found in the estate of which 2 are Japanese.</p>	<p>Could not be confirmed through park operator or public information.</p>	<p>Could not be confirmed through park operator or public information.</p>
<p><b>Other – Natural gas:</b> Natural gas is available and is supplied by a contractor.</p>				









**Indonesia – Kawasan Industri Indotaisei Kota Bukit Indah**  
**Industrial Park ID: XXID27**

Infrastructure	Transport	Facilities	Rent	Information on Managing Association
<p><b>Electrical power supply:</b> There are no Uninterrupted Power Supply (UPS) facilities in the premises. The power infrastructure is being upgraded to a premium-platinum quality by early 2014. The onsite power plant is currently being worked on to improve the quality of supply. The power supply will only be down if Java-Bali power interconnection (500KVA) fails. Electricity is privately provided by PT Tatabajar Sejahtera.</p>	<p><b>Road:</b> The road system in the park is publically owned and maintained. At present the park assures the road system is sufficient for the amount of traffic in the park, with minimal traffic disruptions. The road network of the park is linked to the toll-road leading to Jakarta. However, the road may subject to serve traffic jams at times.</p>	<p><b>Restaurant/ canteen:</b> The park has multiple restaurants with varieties of cuisines open for all. There is a wet market and a mini mart to provide additional food and shopping options.</p>	<p>For land area of 1710sqm, the monthly rental will be USD 8,579 while monthly service charge is at IDR 2.052.000.</p> <p>Land Rental is at USD 1/sq.m/month while the monthly service charge is at IDR 1200 /sq.m/month</p>	<p>Name and Address: PT Indotaisei Indah Development, Kawasan Industri Indotaisei, Sector IA Block B Kalihurip, Cikampek 41373</p> <p>Telephone: +62 264 351 003</p> <p>Fax: +62 264 351 026</p> <p>Email: marketing@indotaisei.com</p> <p>Website: www.kotabukitindah.com/index.php</p>
<p><b>Water supply/ industrial water service:</b> The park has an onsite Water Treatment Plant (250l/s) and the park management will ensure the sufficient provision of water.</p>	<p><b>Railway:</b> The park is in close proximity to a train station with a network running directly to Tj. Priok Harbour. The transport distribution centre in the park is able to organize for train transportation if required.</p>	<p><b>Hospital/ medical service station:</b> There is a medical clinic located within the park.</p>		
<p><b>Sewage system/ waste water treatment:</b> The park has a Waste Water Treatment Plant which treats all waste within the park. The park has a modern and sufficient sewage system which is available in all areas of the park.</p>	<p><b>Port:</b> Not available.</p>	<p><b>Shopping center/ shops:</b> The designated shopping precinct houses the shops, banks and telephone kiosks. Cars can be rented within the premises, with an onsite petrol station.</p>		
<p><b>Telecommunications:</b> The park has a Broad-band technology telecommunication system owned and managed by T Telkom , STO Kota Bukit Indah.</p>	<p><b>Logistic distribution:</b> Trucking and transport distribution centre is available in the park. The park has a designated container yard as well as a Custom and Excise office onsite. Handling and moving equipment can also be rented onsite.</p>	<p><b>Housing:</b> There is a 4 star hotel (KBI Plaza Hotel) as well as a 2 star hotel (Prime Inn) located in the park. Executive houses are offered to buyers with the option to customize their house in a prime residential area within the park. Housing for the middle class are also available in a residential area within walking distance to schools and the shopping complex. There is also a dormitory area (Angrek dormitory) which provides low cost dormitory style housing for employees.</p>		
<p><b>Standard factories:</b> Could not be confirmed through park operator or public information</p>	<p><b>Bonded warehouse:</b> Bonded ware houses are available in the park.</p>	<p><b>Other – Safety and security:</b> The park enjoys 24 hour security with a large and professional security team. The park also has a fire station and fire team on standby at all times.</p>		
<p><b>Other –Natural gas:</b> The gas network in the park is supplied by Perusahaan Umum Gas Negara / PGN (the state-owned gas company) and is available throughout the park.</p>		<p><b>Other – Banking:</b> The park has a Bank of Tokyo-Mitsubishi UFJ as well as various ATM bank facilities.</p>		
		<p><b>Other – Business services:</b> Conference and meeting facilities and rooms are available within the park. There is also a service for the handling of the requisite documents, e.g. expat work permits, etc.</p>		

**Tenant List**

<b>Total Number of Firms</b>	85
<b>Total Number of Japanese Firms</b>	51
<b>Remarks on Tenant List</b>	None

Country of Origin	Company Name	Type of Business/Industry	Number of Staff in Industrial Park	Facilities in Industrial Park	Capital Invested in Industrial Park
Belgium	Deslee Clama Indonesia	Manufacture of furniture	Could not be confirmed through park operator or public information	Could not be confirmed through park operator or public information	Could not be confirmed through park operator or public information
Germany	B. Braun Medical Indonesia	Manufacture of pharmaceuticals, medicinal chemical and botanical products	Could not be confirmed through park operator or public information	Could not be confirmed through park operator or public information	Could not be confirmed through park operator or public information
India	Bitlube Indonesia	Manufacture of paper and paper products	Could not be confirmed through park operator or public information	Could not be confirmed through park operator or public information	Could not be confirmed through park operator or public information
Indonesia	Andalan Utama Prima	Warehousing and support activities for transportation	Could not be confirmed through park operator or public information	Could not be confirmed through park operator or public information	Could not be confirmed through park operator or public information
Indonesia	Capital Turbines Indonesia	Electricity, gas, steam and air conditioning supply	Could not be confirmed through park operator or public information	Could not be confirmed through park operator or public information	Could not be confirmed through park operator or public information
Indonesia	Cipta Niaga Gas	Electricity, gas, steam and air conditioning supply	Could not be confirmed through park operator or public information	Could not be confirmed through park operator or public information	Could not be confirmed through park operator or public information
Indonesia	Gemala Kempa Daya	Manufacture of motor vehicles, trailers and semi-trailers	Could not be confirmed through park operator or public information	Could not be confirmed through park operator or public information	Could not be confirmed through park operator or public information
Indonesia	Indofood CBP Sukses Makmur	Manufacture of food products	Could not be confirmed through park operator or public information	Could not be confirmed through park operator or public information	Could not be confirmed through park operator or public information





**Laos – Savan–Seno SEZ**  
Industrial Park ID: XXLA04

Infrastructure	Transport	Facilities	Rent	Information on Managing Association
<b>Electrical power supply:</b> There is public electricity available at the rate of 0.03 – 0.08 USD/Kwh. The industrial park may experience power cuts occasionally.	<b>Road:</b> Roads within the park would be turned into concrete roads in the future	<b>Restaurants/ canteen:</b> There are limited choices for food in the industrial zone.	Space at the park is rented at a rate of USD 28 /sq.m, for a rental period of seventy five years. Tentatively, the rental cost for Site B has not been decided yet but it is targeted at USD 25 /sq.m, for a long term lease period, for the first year.	Name and Address: Savan Japan Joint Development, Co., Ltd. (developer of Site B), Savannakhet Head Office, KM 10, Savan Park, Nongdeun Village, Kaysonne Phomvihane District, Savannakhet Province, Lao PDR  Telephone: +856 41 260 241, +856 20 5661 5256 (Tee Chee Seng Laos), +856 20 7302 2222, +66 88 455 5737 (Thailand), +6019 475 5588(Malaysia)  Fax: +856 41 260 242  Email : teecs@savanpark.com, h_uematsu@ppsez.com (Mr. Hiroshi Uematsu, CEO)  Website: www.sncsez.gov.la/index.php/en/savan-seno-sez
<b>Water supply/ industrial water service:</b> Public water supply would be charged at t the rate of USD 003 – 0.366 /cu.m. However, the plans to store water for the supply from the Mekong River have yet to be completed. Investors may need to use deep well due to the lack of public water supply at the moment.	<b>Railway:</b> Not available.	<b>Hospital/ medical service station:</b> There are no medical services within the industrial park. Investors are recommended to make use of the facilities in Bangkok.		Name and Address: Savan Japan Joint Development, Co., Ltd. (developer of Site B), Vientiane Branch Office, Vientiane Plaza Hotel, Office Tower, 4th Floor, Sailom Road, Hatsady Neua Village, Chanthabury District, Vientiane Lao PDR  Tel: +856 21 265397, +856 20 5655 5515(Laos), +856 20 7801 1111, +66 83 8866 833 (Thailand), +6012 399 5181 (Malaysia)  Fax: +856 21 265 398  Email : marcus@savanpark.com, h_uematsu@ppsez.com (Mr. Hiroshi Uematsu, CEO)
<b>Sewage system/ waste water treatment:</b> The public sewage system is available. Investors will be requested to treat the waste water themselves before discharging to the sewage system.	<b>Port:</b> Not available.	<b>Shopping center/ shops:</b> There are limited choices for shops in the industrial zone.		
<b>Telecommunications:</b> Service providers are available for communication.	<b>Trucking distribution centers:</b> Available trucking distribution center belongs to a Japanese company Logitem Inc.	<b>Housing:</b> There are limited choices for housing in the industrial zone.		
<b>Standard factories:</b> Could not be confirmed through park operator or public information.	<b>Bonded warehouses:</b> Available warehouse belongs to a Japanese company Logitem Inc.			

**Tenant List**

Total Number of Firms	41
Total Number of Japanese Firms	5
<b>Remarks on Tenant List</b>	Investment projects in the industrial park includes electrical wire manufacturing (division 27, 273), and food-processing (division 10). There is a wood products industry (division 16), textile (division 13), shoe (division 15, 152, 1520), and bag (division 15, 1511) manufacturing plant, and an automobile assembly (division 29, 2910) plant and electronic parts (division 27) assembly plant. In the distribution logistics service sector, there is "transportation business" (division 49), "distribution service" (division 49), "warehouse" (division 52, 5210), and "cool storage" (division 52). The company at Site B is to produce camera parts (division 26).

Country of Origin	Company Name	Type of Business/Industry	Number of Staff in Industrial Park	Facilities in Industrial Park	Capital Invested in Industrial Park
Japan	Nikon	Manufacturing camera parts	No staff at present as production only starts in October 2013.	Basic infrastructure is provided by the developer, the Savan Japan Joint Development Co., Ltd and factory buildings are to be built by the investor.	Could not be confirmed through park operator or public information

**Laos – VITA Park**  
Industrial Park ID: XXLA05

Infrastructure	Transport	Facilities	Rent	Information on Managing Association
<b>Power supply:</b> Public electricity is available at the rate of 0.059 – 0.065 USD/Kwh. However, the electrical power provision has not yet been completed. The first phase of the project (for 110 watt electricity) should be completed at the end of the year, which will provide enough electricity for the 110 hectare grounds of the current site. There was no publicly available information regarding when the third and final phase will be completed, which will provide electricity for the site as it grows in size.	<b>Roads:</b> There is a network of concrete roads in the park, 20 meters in width. There is also a national trunk road direct to the park.	<b>Safety and security:</b> Could not be confirmed through park operator or public information.	Spaces at the park are rented at a rate of either 28 USD or 35 USD per sq.m, depending upon location, front or back. The rental period is for seventy-five years.	Name and Address (Lao Sales Office): Vientiane Industry & Trade Area, KM 22, Vientiane Capital Special Economic & Trade Park, Noonthong Village, Saithany District, Vientiane Capital, PDR  Telephone: +856 205 666 7262, 205 6410 999, 205 6615 255  Email: vitapark712@gmail.com  Website: vitapark.com.la
<b>Water supply:</b> There is public water supply available at the rate of 0.25 – 0.35 USD/m. The government is in charge of water provision at the moment and a tank containing five thousand tons of water will be completed within two years.	<b>Railway:</b> From the year 2018 onwards, there will be train service available with the station being 16 km away. Goods can be transported directly to Bangkok within 12 hours, operating twice a day.	<b>Medical:</b> There is no hospital or medical center available in the industrial park at the moment, but there are plans to start one within 3 or more years.		Name and Address (Taiwan Sales Office): 1FL, No. 3-2, Honchang 1 Street, Taoyuan City, Taiwan, R.O.C  Telephone: +886 320 2310 +886 932 503 014 Mr. Archer Chen +886 921 088 197 Mr. Steven Huang +886 963 178 587 Mr. Chuang  Fax: +886 3220 1272
<b>Waste water treatment:</b> Could not be confirmed through park operator or public information.	<b>Port:</b> Could not be confirmed through park operator or public information.	<b>Banking:</b> Could not be confirmed through park operator or public information.		China: +86 1380 961 1442 Mr.Oscar Yu +86 1343 112 9001 Mr.Vincent Chen
<b>Sewage system:</b> The public sewage system is currently not available and will be completed within 2 years.	<b>Logistic distribution:</b> A logistic company will be providing trucking distribution in the near future. At present, the nearest distribution center is 16 km away at The Na Laeng.	<b>Recreation/ amenities:</b> There is no shopping centers available in the industrial park at the moment, but there are plans to start one within 2 years. There are small food stalls available.		Malaysia: +6012 292 9109 Mr. Yin Tan +6012 289 3721 Mr. Robert Kok +6012 330 8563 Ms.Micha +6012 303 3386 Ms.Ls Chia
<b>Telecommunications:</b> There is access to phone and internet, provided by Lao Telecom.	<b>Bonded warehouse:</b> Individual companies will be responsible for building of warehouses according to their own needs.	<b>Housing:</b> There are housing spaces to be rented nearby in front of the park. There is no space allocated for accommodation within the estate. In the second phase of the park development, there will be housing space available in the park.		
<b>Standard factories:</b> Could not be confirmed through park operator or public information.				

**Tenant List**

<b>Total Number of Firms</b>	
<b>Total Number of Japanese Firms</b>	2
<b>Remarks on Tenant List</b>	The park operator said that all tenant company information is confidential and would not provide any information on tenant companies. No comprehensive list of tenant companies was publicly available.

Country of Origin	Company Name	Type of Business/Industry	Number of Staff in Industrial Park	Facilities in Industrial Park	Capital Invested in Industrial Park
The country origins for the companies are Japan, China, Denmark, Thailand and Taiwan.	Could not be confirmed through park operator or public information	The business of the tenant companies includes the manufacture of textiles (division 13), shoes (division 15, 1520), cloth (division 13), bicycles (division 30, 3092), and electronic parts (division 26, 2610), electronics (division 26, 2610), food produce (division 10), uniforms (division 14 1410) and packaging (division 82, 8292)	Could not be confirmed through park operator or public information	The facilities that have been built in this park include six factories.	A total of USD 43 million dollars has been invested by 6 companies in the building of their factories and there are 23 investors.

**Malaysia – Bangi IV – Bandar Baru Bang**  
**Industrial Park ID: XXMY02**

Infrastructure	Transport	Facilities	Rent	Information on Managing Association
<p><b>Electrical power supply:</b> Could not be confirmed through park operator or public information.</p>	<p><b>Road:</b> Could not be confirmed through park operator or public information.</p>	<p><b>Restaurant/ canteen:</b> There are a lot of restaurants in the shop lots within the industrial park area. Canteens are usually available in their own factory or industrial space.</p>	<p>Cost of Industrial Land &amp; Factory Building in Selangor/ Selling price per sq.ft)                      MYR 8.00 – MYR 50.00 (land)                      MYR 110.00 – MYR 400.00 (ready built factories)</p> <p>Rental price per sq.ft                      MYR 2.763 – MYR 23,204 per ha. (land)                      MYR 1.10 – MYR 2.00 per month (ready built factories)</p>	<p>Name and Address: Selangor State Development Corporation, Tingkat 2 – 9, Menara HPAIG, Laman Seri Business Park, No. 7, Persiaran Sukan, Seksyen 13 40100 Shah Alam, Selangor Darul Ehsan</p> <p>Telephone: +603 5520 1234</p> <p>Fax: Could not be confirmed through park operator or public information.</p> <p>Email: general@pkns.gov.my</p> <p>Website: www.pkns.gov.my</p>
<p><b>Water supply/ industrial water service:</b> Bangi Industrial Park water supply is sourced from Semenyih water dam which produces 140 million gallons per day. The Sungai Selangor water scheme and other major dams have a combined capacity of 400 Million Gallon per Day (MGD) and are expected to reach 1800 MGD.</p>	<p><b>Railway:</b> Could not be confirmed through park operator or public information.</p>	<p><b>Hospital/ medical service station:</b> There are only private clinics within Bangi area. Hospitals are mostly located in Kajang which is 10.4 km away from Bangi. There are 6 hospitals in Kajang, example includes Hospital Kajang, KPJ Kajang Specialist Hospital and Pusrawi Hospital.</p>		
<p><b>Sewage system/ waste water treatment:</b> Could not be confirmed through park operator or public information.</p>	<p><b>Port:</b> Could not be confirmed through park operator or public information.</p>	<p><b>Shopping center/ shops:</b> There is only one main shopping center within the area, which is the Bangi Utama Shopping Complex. However there are a lot of shop lots nearby.</p>		
<p><b>Telecommunications:</b> The telecommunication infrastructure network has gone through tremendous expansion as the availability of the latest digital and fibre optics technology in the area has ensured a full range of quality telecommunication services in Bangi and Selangor as a whole.</p>	<p><b>Trucking distribution:</b> Could not be confirmed through park operator or public information.</p>	<p><b>Housing:</b> A lot of housing areas are built around the industrial area, mostly low cost houses to cater for the lower income groups of factory workers.</p>		
<p><b>Standard factories:</b> Could not be confirmed through park operator or public information.</p>	<p><b>Bonded warehouse:</b> Could not be confirmed through park operator or public information.</p>			

## Tenant List

<b>Total Number of Firms</b>	17
<b>Total Number of Japanese Firms</b>	9
<b>Remarks on Tenant List</b>	None

### List of Firms

Country of Origin	Company Name	Type of Business/Industry	Number of Staff in Industrial Park	Facilities in Industrial Park	Capital Invested in Industrial Park
Australia	Viscount Plastics	Manufacture of rubber and plastics products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Denso Sdn Bhd	Manufacture of motor vehicles, trailers and semi-trailers	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Kenseisha Co. Ltd	Manufacture of computer, electronic and optical products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Okumura Metals	Manufacture of basic metals	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Sony ECMS	Manufacture of computer, electronic and optical products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Sony	Manufacture of computer, electronic and optical products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Hitachi Transport	Transportation and Logistic Services	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Nicom Steel Centre	Manufacture of basic metals	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Utaka Sangyo Industries	Manufacture of rubber and plastics products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Honda Global Amity Sdn Bhd	Wholesale and retail trade and repair of motor vehicles and motorcycles	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Malaysia	Total Logistics Service	Transportation and logistic services	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Malaysia	Carrier International	Manufacture of electrical equipment	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Malaysia	Texchem Park Bangi	Manufacture of machinery and equipment	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Malaysia	Y.S.P Industries	Manufacture of pharmaceuticals, medical chemical and botanical products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Taiwan	Modern Material Enterprise	Other manufacturing	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Thailand	Meditop Corporation	Manufacture of medical and dental instruments	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
UK	IML Technology	Information service activities	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
USA	Avery Dennison Materials	Other manufacturing	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.



**Malaysia – Bayan Lepas Industrial Estate**  
**Industrial Park ID: XXMY05**

Infrastructure	Transport	Facilities	Rent	Information on Managing Association
<p><b>Electrical power supply:</b> Currently, there is 11 KV electricity supply made available by TNB (state owned company).</p>	<p><b>Road:</b> The dimensions of the service roads are:                      - 15.24 M (50') reserve – 2 lanes single carriageway (one lane each way) with sidewalks                      - 20.11 M (66') reserve – 4 lanes single carriageway (two lanes each way) with sidewalk+A3s.                      - 24.38 M (80') reserve – 4 lanes dual carriageway (two lanes each way) with sidewalks.                      - 30.48 M (100') reserve – 4 lanes dual carriageway (two lanes each way) with sidewalks.                      - 40.23 M (132') reserve – 4 or 6 lanes dual carriageway (two or three lanes each way) with sidewalks.</p>	<p><b>Restaurant/ canteen:</b> Restaurants are easily accessible in the park, there a lot of varieties to choose from. Canteens are usually provided or made available within their own factory or space.</p>	<p>MYR 3000 per sq.ft.                      1) For ready land                      i) 20% upon signing of Sales &amp; Purchase Agreement by way of crossed cheque payable to "Penang Development Corporation".                      ii) Second payment of 30% of the Purchase Price shall be paid to PDC within 4 months from the date of the Agreement.                      iii) Final payment of 50% of the Purchase Price shall be paid to PDC within 6 months from the date of the Agreement.                      iv) 20% of purchase price shall be forfeited by PDC on the applicant's failure to proceed with the proposed purchase upon signing of the Sales &amp; Purchase Agreement.</p>	<p>Name and Address: Penang Development Corporation, Bangunan Tun Dr Lim Chong Eu, No. 1 Persiaran Mahsuri, Bandar Bayan Baru, 11909 Bayan Lepas, Penang Malaysia.                      Telephone: + 60 4 6340206/0203                      Fax: + 604 6432405                      Email: enquiry@pdc.gov.my                      Website: www.pdc.my</p>
<p><b>Water supply/ industrial water service:</b> 150mm to 600mm mains laid underground along internal roads serviced by Pihak Berkuasa Air Sdn Bhd.</p>	<p><b>Railway:</b> A 2.5 km rail track connecting NBCT to the Butterworth railway station has completed by the end of 1999. The project with a rail siding of 80 TEUs per line is currently being constructed on MYR 235 million by the Federal government.</p>	<p><b>Hospital/ medical service station:</b> There are 14 healthcare facilities near the Bayan Lepas area but none in the park.</p>	<p>MYR 3000 per sq.ft.                      2) Land Not Ready                      i) 20% of the Purchase Price upon the execution of the Agreement.                      ii) 20% of the Purchase Price upon the completion of the earthworks on the Land.                      iii) 10% of the Purchase Price upon the completion of the temporary access for the building construction.                      iv) 20% of the Purchase Price upon the telecom infrastructures, sewer and water mains being made available for connection to the Land.                      v) 30% of the Purchase Price upon the completion of the roads and drain servicing the Land.</p>	
<p><b>Sewage system/ waste water treatment:</b> Wastewater from sanitation sources shall be separated from wastewater generated from production. Factories shall provide own treatment system on their premises to treat wastewater originating from their production process. Treated factory wastewater approved for discharge by the Department Of Environment may be discharged to the storm drainage.                      300mm to 900mm diameter underground sewerage pipelines (gravity flow) on internal roads connected to public sewage treatment plant operated and maintained by Indah Water Konsortium Sdn Bhd                      300mm to 1200mm wide concrete roadside drains discharge to river reserve. River reserve of between 10.05 M (33') to 50.29 M (165') set aside for water retention and shall be maintained by Department of Irrigation &amp; Drainage.</p>	<p><b>Port: Not available.</b></p>	<p><b>Shopping center/ shops:</b> There are no shopping malls within the industrial area, however nearby (still in Bayan Lepas) is Penang's biggest mall, Queensbay Mall and also Bukit Jambul Complex. Penang Island biggest supermarket – Giant Hypermarket is also situated in Bayan Lepas.</p>		
<p><b>Telecommunications:</b> Currently, there is 4-way ducting on internal roads ready for laying of telecommunication cables serviced by Telekom Malaysia.</p>	<p><b>Trucking distribution:</b> Could not be confirmed through park operator or public information.</p>	<p><b>Housing:</b> There are not that many housing areas near the industrial area. There is more accommodation and residential areas located at the north of Bayan Lepas. There are a few hotels located in Bayan Lepas.</p>		
<p><b>Standard factories:</b> Could not be confirmed through park operator or public information.</p>	<p><b>Bonded warehouse:</b> Could not be confirmed through park operator or public information.</p>	<p><b>Other – Safety and security:</b> There are 7 police stations near the Bayan Lepas area but none in the park.</p>		









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**Malaysia – Pasir Gudang Industrial Estate**  
**Industrial Park ID: XXMY20**

Infrastructure	Transport	Facilities	Rent	Information on Managing Association
<p><b>Electrical power supply:</b> Available 24 hours from Tenaga Nasional Berhad with transmission voltages at 257kV, 132kV, and 66kV while distribution voltages at 33kV, 11kV, 6.6kV and 0.415kV and three phase or 0.38kV. Several IPPs will also make their presence here to support the supply. Currently, IRDA aims to improve the System Average Interruption Duration Index (SAIDI) from the current 105 minutes/customer/year to less than 20 minutes/customer/year and to improve System Average Interruption Frequency Index to 0.5 in 2025. Projection of Power Supply Demand by 2023 is 719.68MW with Tenaga Nasional Berhad is the responsible company to meet the increase in demand expected.</p>	<p><b>Road:</b> Could not be confirmed through park operator or public information.</p>	<p><b>Restaurant/ canteen:</b> Could not be confirmed through park operator or public information.</p>	<p><b>Price for 30 +30 years lease(MYR/sq.R):</b>            Pasir Gudang (Zone 1-10): MYR 14.00            Pasir Gudang Extension: MYR 14.00            Pasir Gudang, Zone 12B &amp; 12C: MYR 14.00</p>	<p>Name and Address: Iskandar Regional Development Authority, #G01-Block 8, Danga Bay, Jalan Skudai, 80200 Johor Bharu Malaysia</p> <p>Telephone: +60 7 2333000</p> <p>Fax: +60 7 2333001</p> <p>Email: enquiries@irda.com.my</p> <p>Website: www.iskandarmalaysia.com</p>
<p><b>Water supply/ Industrial water service:</b> A reserve of about 100%, Syarikat Air Johor Holdings Berhad is responsible for the supply of treated water in the region. There are currently six treatment plants which supply 858 million litres of water per day to consumers.</p>	<p><b>Railway:</b> Not available.</p>	<p><b>Hospital/ medical service station:</b> There are 22 healthcare facilities near the Flagship D area.</p>	<p><b>Price for 60 years lease (MYR/sq.R):</b>            Pasir Gudang (Zone 1-10): MYR 17.00 – 18.00            Pasir Gudang Extension: MYR 17.00– 18.00            Pasir Gudang, Zone 12B &amp; 12C: MYR 18.00-19.00</p>	
<p><b>Sewage system/ waste water treatment:</b> Could not be confirmed through park operator or public information.</p>	<p><b>Port:</b> Not available.</p>	<p><b>Shopping center/ shops:</b> There are more than 20 shopping malls near Johor Bharu and Pasir Gudang area which includes Komplek Pusat Bandar Pasir Gudang, Jusco Tebrau City, Holiday Plaza, City Square, Plaza Kotaraya, Plaza Seri, Plaza Pelangi, Plaza Angsana, Perling Mall and Pelangi Leisure Mall.</p>		
<p><b>Telecommunications:</b> Special fibre optic cables with ISDN. Offers extensive international connectivity via existing satellite networks.</p>	<p><b>Trucking distribution:</b> Could not be confirmed through park operator or public information.</p>	<p><b>Housing:</b> All Johor Corporation Industrial Areas is located near housing areas. Hotels are also easily accessible in the area.</p>		
<p><b>Standard factories:</b> Could not be confirmed through park operator or public information.</p>	<p><b>Bonded warehouse:</b> Could not be confirmed through park operator or public information.</p>	<p><b>Other – Safety and security:</b> There are 23 police stations near the Flagship D area.</p>		

## Tenant List

Total Number of Firms	307
Total Number of Japanese Firms	23
Remarks on Tenant List	None

Country of Origin	Company Name	Type of Business/Industry	Number of Staff in Industrial Park	Facilities in Industrial Park	Capital Invested in Industrial Park
Australia	Eco Structures Sdn. Bhd.	Engineering support facilities	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Australia	Mascoat Engineering Construction	Civil Engineering	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Australia	Promet Pipe Coating Sdn. Bhd.	Manufacture of enamel coating & concrete	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
China	Evergreen Decor Products (M) Sdn.	Manufacture of products of veneer sheets and wood-based panels	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Denmark	Bantex Holding (Malaysia) Sdn. Bhd.	Manufacture of stationeries	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Finland	Luvata Malaysia Sdn. Bhd.	Manufacture of basic metals (Cooper)	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Hong Kong	Brightex Industries Company Sdn. Bhd.	Manufacture of products of wood	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Hong Kong	Fairwood Furniture Mfg (M) Sdn. Bhd.	Manufacture of products of wood	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Hong Kong	Titan Himont Polymer (M) Sdn. Bhd.	Manufacture of chemical and chemical products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Hong Kong	Titan Petrochemicals (M) Sdn. Bhd.	Manufacture of chemical and chemical products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Hong Kong	Titan Polyethylene (M) Sdn. Bhd.	Manufacture of chemical and chemical products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
India	Kawalram Oils Sdn. Bhd.	Manufacture of other food products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
India	L.K. Insulation Engineering (M) Sdn. Bhd.	Warehousing / Welding	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
India	Tikitar Cascade Industries Sdn Bhd	Manufacture of refined petroleum products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Indonesia	Palasari Sdn. Bhd.	Manufacture of food products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Italy	Alfagomma Mardec Sdn. Bhd.	Manufacture of rubber and plastics products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Italy	Meraklon (M) Sdn. Bhd.	Manufacture of textiles	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	B.M. Nagano Industries Sdn. Bhd.	Manufacture of computer, electronic and optical products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Calsonic Kansei Malaysia Sdn. Bhd.	Manufacture of motor-vehicles, trailers and semi-trailers	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Chugoku Paints (M) Sdn. Bhd.	Manufacture of chemical and chemical products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Chugoku Paints (M) Sdn. Bhd.	Manufacture of chemical and chemical products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Chugoku Paints (M) Sdn. Bhd.	Manufacture of basic metals	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Hitachi Chemicals (Johor) Sdn. Bhd.	Manufacture of chemical and chemical products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Honda Autoparts Manufacturing (M)	Manufacture of motor-vehicles, trailers and semi-trailers	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Idemitsu Chemicals (M) Sdn. Bhd.	Manufacture of chemical and chemical products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Industri Kotakayu (Daiwa) Sdn. Bhd.	Manufacturing of electrical equipment	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Isolite Ceramic Fibers Sdn. Bhd.	Manufacture of other non-metallic mineral products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Iwaki Glass Sdn. Bhd.	Manufacture of other non-metallic mineral products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	K.P. Parts Industries (M) Sdn. Bhd.	Manufacture of motor-vehicles, trailers and semi-trailers	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	K.Yamada Industries Sdn. Bhd.	Manufacture of basic metals	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Kovax ( Malaysia ) Sdn. Bhd.	Manufacture of chemical and chemical products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Kyo Machine Industry (M) Sdn. Bhd.	Manufacture of basic metals	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Lion Eco Chemicals	Manufacture of chemical and chemical products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Maruichi Malaysia Steel Tube Sdn. Bhd.	Manufacture of basic metals	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Marushin Carneries (M) Sdn. Bhd.	Manufacture of fabricated metal products, except machinery and equipment	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Sapporo Global Sdn. Bhd.	Warehousing and Support Activities for Transportation	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Seiko Electric Co (M) Sdn. Bhd.	Manufacture of electrical equipment	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Toyo Rubber (Malaysia) Sdn. Bhd.	Manufacture of rubber and plastics products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Tylon Manufacturing (M) Sdn. Bhd.	Manufacture of rubber and plastics products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Yasawa Trading Sdn. Bhd.	Manufacture of basic metals	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Malaysia	Chuan Cement Ind. (M) Sdn. Bhd.	Manufacture of other non-metallic mineral products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Malaysia	Integrated Forwarding & Shipping	Warehousing and Support Activities for Transportation	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Malaysia	Joholink Angkut Sdn. Bhd.	Warehouse	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Malaysia	Kayangan Mestika Sdn. Bhd.	Manufacture of other non-metallic mineral products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Malaysia	Kian Joo Cao Factory Bhd.	Manufacture of basic metals	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.













Country of Origin	Company Name	Type of Business/Industry	Number of Staff in Industrial Park	Facilities in Industrial Park	Capital Invested in Industrial Park
UK	P & G Land Sdn. Bhd.	Warehousing	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
UK	Sigma Engineering Construction	Other manufacturing	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
UK	Stone World Sdn. Bhd.	Manufacture of other non-metallic mineral products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
United Kingdom	Asm Technology (M) Sdn. Bhd.	Manufacture of machinery and equipment	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
USA	Grand Bank Yachts Sdn. Bhd.	Other manufacturing	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
USA	Stanchem Industries Sdn. Bhd.	Manufacture of chemical and chemical products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
USA	All Pak Industries Sdn. Bhd.	Manufacture of food products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
USA	Arkema Coating Resins Malaysia Sdn. Bhd.	Manufacture of other non-metallic mineral products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
USA	C.T. Engineering & Construction Sdn. Bhd.	Manufacture of computer, electronic and optical products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
USA	DNP IMS Malaysia Sdn. Bhd.	Manufacture of machinery and equipment	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
USA	Dunlop Hiflex Sdn. Bhd.	Manufacture of rubber and plastics products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
USA	Monsanto (Malaysia) Sdn. Bhd.	Manufacture of chemical and chemical products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
USA	Monsanto (Malaysia) Sdn. Bhd.	Manufacture of chemical and chemical products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
USA	Pacific Activated Carbon (M) Sdn. Bhd.	Manufacture of chemical and chemical products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
USA	Pantech Corporation Sdn Bhd	Warehousing	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
USA	Sanden International (M) Sdn. Bhd.	Manufacture of electrical equipment	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
USA	Ss Forwarding (M) Sdn. Bhd.	Warehousing	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
USA	Wd Media (M) Sdn.	Manufacture of computer, electronic and optical products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.

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**Malaysia – Shah Alam Industrial Estate ( Phase 2)**  
**Industrial Park ID: XXMY26**

Infrastructure	Transport	Facilities	Rent	Information on Managing Association
<p><b>Electrical power supply:</b> Electricity is provided by TNB (state own company)</p>	<p><b>Road:</b> Could not be confirmed through park operator or public information.</p>	<p><b>Restaurant/ canteen:</b> Could not be confirmed through park operator or public information.</p>	<p>Cost of Industrial Land &amp; Factory Building in Selangor</p> <p>Selling price per sq.ft  MYR 3.00 – MYR 50.00 (land)  MYR 110.00 – MYR 400.00 (ready built factories)</p> <p>Rental price per sq.ft  MYR 2.753 – MYR 23.204 per ha. (land)  MYR 1.10 – MYR 2.00 per month (ready built factories)</p>	<p>Name and Address: Selangor State Development Corporation, Tingkat 2 – 9, Menara HPAIC, Laman Seri Business Park, No. 7, Persiaran Sukan, Seksyen 13 40100 Shah Alam, Selangor Darul Ehsan</p> <p>Telephone: +603 5520 1234</p> <p>Fax: Could not be confirmed through park operator or public information.</p> <p>Email: general@pkns.gov.my</p> <p>Website: www.pkns.gov.my</p>
<p><b>Water supply/ industrial water service:</b> Water Selangor has an advanced water supply system managed by Syarikat Bekalan Air Selangor Sdn Bhd (SYABAS). Shah Alam Industrial Area is sourced by the Semenyih water dam which produces 140 million gallons per day. Commercial rate for 35 cum and above is MYR 2.28 per cum.</p>	<p><b>Railway:</b> Could not be confirmed through park operator or public information.</p>	<p><b>Hospital/ medical service station:</b> There are 24 healthcare facilities located in close proximity of the park.</p>		
<p><b>Sewage system/ waste water treatment:</b> Kualiti Alam Sdn Bhd. is the designated company providing off-site scheduled waste treatment disposal services in Shah Alam and Peninsular Malaysia. Its waste management centre is located at Bukit Nanas in Negeri Sembilan. For non-scheduled wastes, collection and disposal rates vary according to location and contractor. Sewerage services in Malaysia were privatised in 1994.</p>	<p><b>Port:</b> Could not be confirmed through park operator or public information.</p>	<p><b>Shopping center/ shops:</b> There are more than 14 shopping malls near Section 15, 21, 22, 23 industrial park which includes Plaza Alam Sentral, SACC Mall, Tesco Shah Alam, Setia City Mall, Ole Ole Shopping Centre and AEON Big Seksyen 23 Shah Alam.</p>		
<p><b>Telecommunications:</b> The latest digital and fibre optics technology has ensured a full range of high quality telecommunication services at competitive prices. Services available include:</p> <ul style="list-style-type: none"> <li>· Internet Data Centre (IDC)</li> <li>· Broadband and Satellite services</li> <li>· Telephone (Cable and Cellular)</li> <li>· Facsimile</li> <li>· Telex</li> <li>· Video Conferencing</li> </ul>	<p><b>Trucking distribution:</b> Could not be confirmed through park operator or public information.</p>	<p><b>Housing:</b> Industrial areas in Shah Alam are located near housing areas. There is a few apartments and condos that are available to rent around this area. There are many well-planned and self-contained developments offering a wide choice of properties.</p>		
<p><b>Standard factories:</b> Could not be confirmed through park operator or public information.</p>	<p><b>Bonded warehouse:</b> Could not be confirmed through park operator or public information.</p>	<p><b>Other – Safety and security:</b> There are 29 police stations located in close proximity of the park.</p>		











Country of Origin	Company Name	Type of Business/Industry	Number of Staff in Industrial Park	Facilities in Industrial Park	Capital Invested in Industrial Park
Malaysia	Uri-Hana Sdn. Bhd.	Warehouse	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Malaysia	United Seino Transportation (M) Sdn.Bhd.	Transportation	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Malaysia	VP Power Sdn. Bhd.	Manufacture of computer, electronics and optical products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Malaysia	Westech Chemicals Sdn. Bhd.	Warehouse	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Malaysia	Wilron Products Sdn.Bhd.	Manufacture of pharmaceuticals, medical chemicals and botanicals	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Malaysia	Yong Kam Fook Plastic Ind. Sdn Bhd	Manufacture of rubber and plastics product	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Netherlands	OG Logistic Sdn. Bhd.	Logistics	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Pakistan	Riche Monde Sdn Bhd	Manufacture of fabricated metal products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Singapore	Gardenia Bakeries (K) Sdn Bhd	Manufacture of food products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Singapore	Gardenia Bakeries (K) Sdn.Bhd.	Warehouse	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Singapore	Keppel Logistics (M) Sdn. Bhd.	Warehouse	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Singapore	Marshall Cavendish (M) Sdn. Bhd.	Printing and reproduction of recorded media	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Sweden	Alfa Laval (Malaysia) Sdn.Bhd.	Wholesale and retail trade and repair of motor vehicles and motor vehicles trailers	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Sweden	Swedish Motor Assemblies Sdn Bhd	Manufacture of motor vehicles, trailers and semi-trailers	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Sweden	Volvo Malaysia Sdn. Bhd.	Wholesale and retail trade and repair of motor vehicles and motor vehicles trailers	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Switzerland	Nestle Manufacturing (Malaysia) Sdn. Bhd.	Manufacture of food products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Taiwan	Pe Packaging (M) Sdn.Bhd.	Manufacture of rubber and plastics product	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
United Kingdom	Apex Packaging Sdn. Bhd.	Other Manufacturing	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
United Kingdom	Cadbury Confectionery (M) Sdn Bhd	Manufacture of food products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
United Kingdom	Interpress Printers Sdn.Bhd.	Printing and reproduction of recorded media	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
United States	American Air Filter Manufacturing Sdn. Bhd.	Manufacture of machinery and equipment	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
United States	Basf (M) Sdn. Bhd.	Warehouse	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
United States	Ceva Logistics (Malaysia) Sdn. Bhd.	Logistics	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
United States	Channel Systems Asia Sdn. Bhd.	Warehouse	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
United States	Crescent Logistics Sdn. Bhd.	Logistics	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
United States	E.M.C.Malaysia Sdn Bhd	Other manufacturing	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
United States	Evapak Sdn.Bhd.	Manufacture of computer, electronics and optical products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
United States	Ford Malaysia Sdn. Bhd.	Warehouse	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
United States	Goodyear Malaysia Bhd	Manufacture of rubber and plastics product	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
United States	Hecserv Sdn. Bhd.	Civil Engineering	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
United States	Jacy Foods Sdn. Bhd.	Manufacture of food products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
United States	Kanaflex (Malaysia) Sdn. Bhd.	Warehouse	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
United States	Micron (M) Sdn. Bhd.	Warehouse	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
United States	Oitek Sdn.Bhd.	Manufacture of machinery and equipment	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
United States	Safe Food Corporation (M) Sdn. Bhd.	Crop and animal production, hunting and related service activities	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
United States	Southern Wire Industries (M) Sdn. Bh	Manufacture of fabricated metal products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
United States	Tasco Berhad	Logistics	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.

**Myanmar – Mingaladon Industrial Zone**  
**Industrial Park ID: XXMM04**

Infrastructure	Transport	Facilities	Rent	Information on Managing Association
<b>Electrical power supply:</b> Electricity is 24 hours available provided by government.	<b>Roads:</b> The concrete roads are 8m wide for main roads and 7m wide for secondary roads.	<b>Restaurant/ canteen:</b> There is 1 main canteen which comprised of 6 sub shops in the park. There is no bazaar or market inside or around the park.	Could not be confirmed through park operator or public information.	Name and Address: Ye Moe Kyaw Swar, Management Office, Mingaladon Industrial Park  Telephone: +95 1 639002/3  Fax: +95 1 639017  Email: mipolygn@mptmail.net.mm  Website: www.mingaladon.com
<b>Water supply/ industrial water service:</b> Water supply total 5,000 cu.m per day from 15 deep wells.	<b>Railway:</b> Not available.	<b>Hospital/ medical service station:</b> Could not be confirmed through park operator or public information.		
<b>Sewage system/ waste water treatment:</b> Waste water treatment plant has a treatment capacity of 5,000 cu.m per day. Drainage system is built in for the whole park.	<b>Port:</b> Not available.	<b>Shopping center/ shops:</b> Could not be confirmed through park operator or public information.		
<b>Telecommunications:</b> Each tenant has to set up their own Internet connection as there is no such coverage for the whole park.	<b>Trucking distribution:</b> For logging and other logistic related transportation, such service has to be managed by tenant factories on their own.	<b>Housing:</b> Not available.		
<b>Standard factories:</b> Could not be confirmed through park operator or public information.	<b>Bonded warehouse:</b> Not available.			

**Tenant List**

<b>Total Number of Firms</b>	5
<b>Total Number of Japanese Firms</b>	3
<b>Remarks on Tenant List</b>	None

Country of Origin	Company Name	Type of Business/Industry	Number of Staff in Industrial Park	Facilities in Industrial Park	Capital Invested in Industrial Park
Hong Kong	Asia One Optical Co., Ltd	Manufacture of Optical Products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Hong Kong	Myanmar Tah Hsin Industrial Co., Ltd.	Manufacture of Textiles	1672 ~ 1700 (Exact number changed daily)	Only small partitions were built. The rest are built-in facilities of the park.	US\$12,506,658 (Since 6 Jan 1999)
Japan	Famoso Co., Ltd.	Manufacture of Textiles	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Myanmar Postarion Co. Ltd.	Manufacture of Textiles	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	TI Garment Co., Ltd.	Manufacture of Textiles	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.

**Philippines – Cavite Economic Zone (CEZ)**  
**Industrial Park ID: XXPH05**

Infrastructure	Transport	Facilities	Rent	Information on Managing Association
<p><b>Electrical power supply:</b> Electricity is provided by the CEZ itself with the state-owned National Transmission Corporation (Transco) as its provider, which is why CEZ locators enjoy the advantage of cheaper power rates compared to other Philippine ecozones. CEZ's contract with Transco, however, is set to expire this 2013 and there is an option to either extend the contract or go to another private provider such as Meralco. The CEZ does not provide centralized Uninterrupted Power Supply facility although locators may install their own.</p>	<p><b>Roads:</b> The main road stretches about two kilometers from gate to gate with width of 13 meters (4 lanes). Secondary roads are about half the width.</p>	<p><b>Restaurant/ canteen:</b> There are no restaurants inside the zone although every locator building has a canteen.</p>	<p>PHP 80/sq.m/month while a lot with no building may be leased for PHP 23.50/sq.m/month.</p>	<p>Name and Address: Cavite Economic Zone, Rosario, Cavite Province, Philippines</p> <p>Telephone: +63 46 4376146 (Contact Person– Mr. Ronilo Nepomuceno)</p> <p>Fax: Could not be confirmed through park operator or public information.</p> <p>Email: Could not be confirmed through park operator or public information.</p> <p>Website: <a href="http://rccpepz.org/caviteeconomiczone">rccpepz.org/caviteeconomiczone</a></p>
<p><b>Water supply/ industrial water service:</b> Constant water supply is provided by nine pump houses operated by the CEZ itself. The zone also houses several giant water tanks.</p>	<p>Railway: Not available.</p>	<p><b>Hospital/ medical service station:</b> There are no medical facilities inside the zone itself although many of the locators house their own clinics and medical staff. There are also several nearby hospitals in the town of Rosario and other peripheral towns/cities of Cavite. Rosario hospitals are the Contreras Medical Clinic, Our Saviour Hospital, and the SSMC Satellite Hospital.</p>		
<p><b>Sewage system/ waste water treatment:</b> CEZ has a waste water treatment plant that is serviced by private-owned LBP Janitorial Services.</p>	<p>Port: Not available.</p>	<p><b>Shopping center/ shops:</b> There is no shopping complex inside the zone itself, but there are several shopping centers in peripheral areas, some just outside the CEZ main gate.</p>		
<p><b>Telecommunications:</b> Telephone lines and internet connections are installed by the locators themselves who also have the option of choosing their own service providers, which are usually private-owned.</p>	<p><b>Trucking distribution:</b> There are several CEZ-accredited truckers, forwarders, and brokerages, most of which are also locator companies inside the zone.</p>	<p><b>Housing:</b> The zone does not provide for housing facilities, but being nestled in Rosario, Cavite it has easy access to several subdivisions in the town itself and other towns and cities of Cavite.</p>		
<p><b>Standard factories:</b> Buildings are constructed by locators themselves. Buildings usually sit on a 2,000-sqm building area. Buildings should occupy only about 70% of total land area. There are at least 278 buildings in the ecozone if the basis of counting is one building per one locator.</p>	<p>Bonded warehouse: Not available.</p>	<p><b>Other –Safety and security:</b> There is a fire station located in the estate.</p>		
		<p><b>Other – Banking:</b> There are several banks operating inside the zone as locators.</p>		





Country of Origin	Company Name	Type of Business/Industry	Number of Staff in Industrial Park	Facilities in Industrial Park	Capital Invested in Industrial Park
Japan	Japan Excellent Technology & Systems, Inc.	Manufacturing, N.E.C.	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Japan	Japan Sp Solution, Inc. (Formerly: Eguchi Technology, Inc.)	Manufacture of Other Non-Metallic Mineral Products	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Japan	Jeong Lim Fashion, Inc.	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Japan	JFB Tech Philippines, Inc.	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
Japan	JFB Tech Philippines, Inc.	Manufacture of Rubber and Plastic Products	Could not be confirmed through park operator or public information.	Expansion	Could not be confirmed through park operator or public information.
Japan	J-Film Philippines, Inc.	Manufacture of Rubber and Plastic Products	Could not be confirmed through park operator or public information.	Expansion	Could not be confirmed through park operator or public information.
Japan	J-Film Philippines, Inc.	Manufacture of Rubber and Plastic Products	Could not be confirmed through park operator or public information.	Expansion	Could not be confirmed through park operator or public information.
Japan	J-Film Philippines, Inc.	Manufacture of Rubber and Plastic Products	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Japan	Jj Fashion Corporation	Manufacture of paper and paper products	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Japan	Jpn, Inc. (Japan Philippine Nameplates, Inc.)	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
Japan	Jpn, Inc. (Japan Philippine Nameplates, Inc.)	Publishing, Printing and Reproduction of Recorded Media	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
Japan	Jpn, Inc. (Japan Philippine Nameplates, Inc.)	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
Japan	Jpn, Inc. (Japan Philippine Nameplates, Inc.)	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
Japan	Jpn, Inc. (Japan Philippine Nameplates, Inc.)	Real Estate Activities	Could not be confirmed through park operator or public information.	Amendment	Could not be confirmed through park operator or public information.
Japan	K.S. Standard Corporation	Electrical Machinery and Apparatus, N.E.C.	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Japan	Kanepackage Philippine, Inc.	Recycling	Could not be confirmed through park operator or public information.	Amendment	Could not be confirmed through park operator or public information.
Japan	Kanepackage Philippine, Inc.	Recycling	Could not be confirmed through park operator or public information.	Amendment	Could not be confirmed through park operator or public information.
Japan	Kang Nam Packaging House, Inc.	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Japan	Kapco Manufacturing, Inc.	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
Japan	Kapco Manufacturing, Inc.	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Amendment	Could not be confirmed through park operator or public information.
Japan	Kapco Manufacturing, Inc.	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
Japan	Keyrin Electronics (Phils.), Inc.	Motor Vehicles, Trailers and Semi-Trailers	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Japan	KGK Gasket Philippines, Corporation	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Japan	Kodachi Seiki Philippines, Inc.	Manufacture of Rubber and Plastic Products	Could not be confirmed through park operator or public information.	Expansion	Could not be confirmed through park operator or public information.
Japan	Kohsei Multipack Philippines Incorporated	Manufacture of Rubber and Plastic Products	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Japan	Kohsei Multipack Philippines Incorporated (Formerly: Philippine Kohsei Corporation)	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	Amendment	Could not be confirmed through park operator or public information.
Japan	Kook Jae Press Die Inc. (Formerly: Park Terminal Precision Philippines, Inc.)	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Japan	Kosakascrew Philippines, Inc.	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Japan	Koyo Electric Rosario Philippines, Inc.	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	Amendment	Could not be confirmed through park operator or public information.
Japan	Koyo Electric Rosario Philippines, Inc.	Machinery and Equipment, N.E.C.	Could not be confirmed through park operator or public information.	Amendment	Could not be confirmed through park operator or public information.
Japan	Kyosei Denki Technologies, Inc. (Formerly: Accuservice Technologies, Incorporated)	Manufacture of Rubber and Plastic Products	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Japan	Linde Philippines, Inc.	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
Japan	Line Seiki Phil, Inc.	Electrical Machinery and Apparatus, N.E.C.	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Japan	Line Seiki Phil, Inc.	Electrical Machinery and Apparatus, N.E.C.	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
Japan	Line Seiki Phil, Inc.	Other IT-enabled Services	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Japan	Line Seiki Phil, Inc.	Manufacture of Rubber and Plastic Products	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
Japan	M. Ubis Inc.	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Japan	M.A. Technology Inc.	Electrical Machinery and Apparatus, N.E.C.	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
Japan	Midland Mfg. Philippines, Inc. (Formerly: Asg Mfg. Philippines, Inc.)	Motor Vehicles, Trailers and Semi-Trailers	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Japan	Mikado Philippines Corporation	Office, Accounting and Computing Machinery	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Japan	Mikuni Electronics Corp.	Manufacture of Medical, Precision and Optical Instruments, Watches and Clocks	Could not be confirmed through park operator or public information.	Amendment	Could not be confirmed through park operator or public information.
Japan	Mikuni Electronics Corp.	Office, Accounting and Computing Machinery	Could not be confirmed through park operator or public information.	Amendment	Could not be confirmed through park operator or public information.
Japan	Mikuni Electronics Corp.	Real Estate Activities	Could not be confirmed through park operator or public information.	Amendment	Could not be confirmed through park operator or public information.
Japan	Mi-Tech Phils. Electronics Mfg. Corp.	Manufacture of Rubber and Plastic Products	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Japan	Mitsuba Philippines, Inc.	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Japan	Mitsuba Philippines, Inc.	Manufacture of Rubber and Plastic Products	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
Japan	MKP, Inc.	Growing of Crops	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
Japan	MKP, Inc.	Other Service Activities	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
Japan	MKP, Inc.	Manufacture of paper and paper products	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
Japan	MKP, Inc.	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.







Country of Origin	Company Name	Type of Business/Industry	Number of Staff in Industrial Park	Facilities in Industrial Park	Capital Invested in Industrial Park
Japan	S-A-N-G-T-O-P Solutions Co. Ltd., Inc.	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Japan	Saikou Seiki Co., Ltd	Electrical Machinery and Apparatus, N.E.C.	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Japan	Scp Micro Coil Electronics, Inc.	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Japan	Selma Apparel Corporation	Electrical Machinery and Apparatus, N.E.C.	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Japan	Semitechnology, Inc.	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Japan	Serju Solder (Philippines), Inc.	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
Japan	Serju Solder (Philippines), Inc.	Warehousing and Storage	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Japan	Seung Yeun Technology Industries Corp.	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Japan	Shin Sae Han Philippines Manufacturing, Inc.	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Japan	Souhatsu Cebu Manufacturing, Inc.	Motor Vehicles, Trailers and Semi-Trailers	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
Japan	Souhatsu Cebu Manufacturing, Inc.	Recycling	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Japan	Sung Jin Electronics Philippines Inc.	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Japan	Surpino Cavite Corporation	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Amendment	Could not be confirmed through park operator or public information.
Japan	Surpino Cavite Corporation	Real Estate Activities	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Japan	Super Industrial Packaging Solution Corp.	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Japan	Taerin Industrial Philippines, Inc.	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Japan	Tak Tools Corporation	Manufacturing o Wearing Apparel	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Japan	Tmi Ribbon Industries, Inc.	Office, Accounting and Computing Machinery	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
Japan	Tmi Ribbon Industries, Inc.	Manufacture of Rubber and Plastic Products	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Japan	Tokyo Rubber Corporation	Manufacture of Rubber and Plastic Products	Could not be confirmed through park operator or public information.	Amendment	Could not be confirmed through park operator or public information.
Japan	Tri-Ocean Covering Corporation	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Japan	Tung Fong Industrial Co., Inc.	Manufacturing o Wearing Apparel	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Japan	Xceltronic Inc.	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Japan	Ye-Sung Technology, Inc. (Formerly, Gm Cosmetics, Inc.)	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Japan	Yonghwa Of Philippines, Inc.	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Japan	Youngin Gsk Inc.	Manufacture of Rubber and Plastic Products	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Japan	Yo-Zuri Philippines, Inc.	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	Amendment	Could not be confirmed through park operator or public information.
Japan	Yo-Zuri Philippines, Inc.	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	Amendment	Could not be confirmed through park operator or public information.
Japan	Yo-Zuri Philippines, Inc.	Manufacturing, N.E.C.	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
Japan	Yo-Zuri Philippines, Inc.	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
Japan	Yo-Zuri Philippines, Inc.	Manufacture of Rubber and Plastic Products	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
Japan	Yu Seung Industrial Corporation	Manufacture of Rubber and Plastic Products	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Japan	Yukio Iimura Manufacturing Inc.	Manufacture of Chemicals and Chemical Products	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
Japan/South Korea	Sei Shinsha, Inc.	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	A.P. Carton Box, Inc.	Manufacture of paper and paper products	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	A.P. Carton Box, Inc.	Manufacture of paper and paper products	Could not be confirmed through park operator or public information.	Amendment	Could not be confirmed through park operator or public information.
South Korea	A.P. Carton Box, Inc.	Manufacture of paper and paper products	Could not be confirmed through park operator or public information.	Amendment	Could not be confirmed through park operator or public information.
South Korea	Abix Construction & Development Corp.	Manufacture of Rubber and Plastic Products	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Academy Plastic Model Toy Co., Inc.	Engineering, Architectural and Other Design Services	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Achi-Wool Industrial Plant Technology, Inc.	Real Estate Activities	Could not be confirmed through park operator or public information.	Amendment	Could not be confirmed through park operator or public information.
South Korea	Advanced Sound Technology, Inc.	Real Estate Activities	Could not be confirmed through park operator or public information.	Amendment	Could not be confirmed through park operator or public information.
South Korea	Advanced Sound Technology, Inc.	Real Estate Activities	Could not be confirmed through park operator or public information.	Amendment	Could not be confirmed through park operator or public information.
South Korea	Advanced Sound Technology, Inc.	Real Estate Activities	Could not be confirmed through park operator or public information.	Amendment	Could not be confirmed through park operator or public information.
South Korea	Advanced Sound Technology, Inc.	Real Estate Activities	Could not be confirmed through park operator or public information.	Amendment	Could not be confirmed through park operator or public information.
South Korea	Advanced Sound Technology, Inc. (Approved As Billion Sounds Electronics, Inc.)	Manufacturing o Wearing Apparel	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Antistatic Product Specialist	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Atmak Corporation	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Better Phils. Apparel, Inc.	Manufacturing o Wearing Apparel	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Better Phils. Apparel, Inc. (Formerly, Pamela, Inc.)	Electrical Machinery and Apparatus, N.E.C.	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.



Country of Origin	Company Name	Type of Business/Industry	Number of Staff in Industrial Park	Facilities in Industrial Park	Capital Invested in Industrial Park
South Korea	E-Soo Phils. Packaging Inc.	Manufacture of paper and paper products	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	E-Soo Phils. Packaging Inc. (Formerly: Nam-II Philippines Corporation)	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	E-Technology Philippines, Inc.	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Expert Group Of Asia Plastics Corporation	Manufacturing o Wearing Apparel	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Far East Data Assemblies & Installation Inc.	Manufacturing o Wearing Apparel	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Philcore Cavite Corporation	Manufacture of Textiles	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Finetex Technology Phil. Corp.	Manufacture of Textiles	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
South Korea	First Philippine Power Systems, Inc.	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Fortunecross Philippines, Inc.	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	Amendment	Could not be confirmed through park operator or public information.
South Korea	Furuhashi Knit Glove Philippines, Inc.	Electrical Machinery and Apparatus, N.E.C.	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Ga&P Tec Inc.	Electrical Machinery and Apparatus, N.E.C.	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
South Korea	Ga&P Tec Inc.	Electrical Machinery and Apparatus, N.E.C.	Could not be confirmed through park operator or public information.	Expansion	Could not be confirmed through park operator or public information.
South Korea	Ga&P Tec Inc.	Manufacture of Medical, Precision and Optical Instruments, Watches and Clocks	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Hammon Plating Technology, Inc.	Manufacture of Textiles	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Hitec Rod Philippines, Inc.	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Hitec Rod Philippines, Inc.(Formerly: Hitec-Park, Inc.)	Manufacturing, N.E.C.	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Hitech & C Phils. Co. Ltd.	Electrical Machinery and Apparatus, N.E.C.	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Ha Technologies (Phils.), Inc.	Manufacture of Rubber and Plastic Products	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Hwa In Enpla Corp.	Manufacture of paper and paper products	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Hwa Ryoung Corp.	Manufacturing o Wearing Apparel	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Hwa Sin Print Corporation	Manufacturing o Wearing Apparel	Could not be confirmed through park operator or public information.	Expansion	Could not be confirmed through park operator or public information.
South Korea	Icoast Manufacturing Group, Inc.	Electrical Machinery and Apparatus, N.E.C.	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Insung Philippines Electronics, Inc.	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Izumitech Philippines Inc.	Manufacture of Textiles	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	JD Textile Industries, Inc.	Manufacturing o Wearing Apparel	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	J-Film Philippines, Inc. (Formerly: Wada Philippines, Inc.)	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Jin Bo Sung Metal, Inc.	Manufacture of Textiles	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Jin Myung Washing & Dyeing Corporation	Manufacturing o Wearing Apparel	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Jinhoemb Corporation	Manufacturing o Wearing Apparel	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Jisoo Garments Mfg. Corp. (Formerly Lee Outfit Corporation)	Manufacturing o Wearing Apparel	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	JTK Electronic Components Philippines Incorporated	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Ju-Young Electronics (Philippines), Inc.	Office, Accounting and Computing Machinery	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Ju-Young Manufacturing, Inc.	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Kanepackage Philippine, Inc.	Manufacture of Rubber and Plastic Products	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Kang Nam Packaging House, Inc.	Manufacture of Rubber and Plastic Products	Could not be confirmed through park operator or public information.	Amendment	Could not be confirmed through park operator or public information.
South Korea	Kapco Manufacturing, Inc.	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Keo Sung Enterprise Co. (Phils.)	Manufacturing, N.E.C.	Could not be confirmed through park operator or public information.	Expansion	Could not be confirmed through park operator or public information.
South Korea	Keo Sung Enterprise Co. (Phils.)	Manufacturing, N.E.C.	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
South Korea	Keo Sung Enterprise Co. (Phils.)	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
South Korea	Keo Sung Enterprise Co. (Phils.)	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
South Korea	Keo Sung Enterprise Co. (Phils.)	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Keon Yang Industrial (Philippines), Inc.	Electrical Machinery and Apparatus, N.E.C.	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Keonyang Technology, Inc.	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Keymaxx Corporation	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Kook Jae Press Die Inc.	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Leader Electronics (Philippine Branch) Incorporated	Electrical Machinery and Apparatus, N.E.C.	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Lee Cho Electronic Phils. Inc.	Electrical Machinery and Apparatus, N.E.C.	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
South Korea	Lee Cho Electronic Phils. Inc.	Electricity, Gas, Steam and Hot Water Supply	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
South Korea	Ls Phil. Mfg. Inc.	Manufacture of Rubber and Plastic Products	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Ltech Machine Corporation (Formerly: Jp Hi-Tech Machine Corporation)	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.

Country of Origin	Company Name	Type of Business/Industry	Number of Staff in Industrial Park	Facilities in Industrial Park	Capital Invested in Industrial Park
South Korea	Magneton Technology Philippines, Corporation	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Mec Electronics Philippines Corporation	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Mega Gem Wiring Systems, Inc.	Leather, Luggage, Handbags and Footwear	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Mikuni Electronics Corp.	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Mocom Philippines	Manufacturing o Wearing Apparel	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Nanbu Philippines, Inc.	Manufacture of Rubber and Plastic Products	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
South Korea	Nanbu Philippines, Inc.	Manufacturing o Wearing Apparel	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Nbsun Phils. Corp. (Formerly: Sunknit Phils. Corporation)	Warehousing and Storage	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
South Korea	Omon Group Inc. - Warehousing Division	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	One & One Precision Technology, Inc.	Office, Accounting and Computing Machinery	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	One & One Precision Technology, Inc.	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Amendment	Could not be confirmed through park operator or public information.
South Korea	Ophil Corporation	Other Service Activities	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	P. Ines Corp. (Philippine International Manufacturing And Engineering Services Corp.)	Real Estate Activities	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Pacific Rare Specialty Metals & Chemicals, Inc.	Manufacture of Rubber and Plastic Products	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Packing & Vacuuming Precisions, Inc.	Real Estate Activities	Could not be confirmed through park operator or public information.	Expansion	Could not be confirmed through park operator or public information.
South Korea	Panorama Property Ventures, Inc.	Real Estate Activities	Could not be confirmed through park operator or public information.	Expansion	Could not be confirmed through park operator or public information.
South Korea	Panorama Property Ventures, Inc.	Real Estate Activities	Could not be confirmed through park operator or public information.	Expansion	Could not be confirmed through park operator or public information.
South Korea	Panorama Property Ventures, Inc.	Real Estate Activities	Could not be confirmed through park operator or public information.	Expansion	Could not be confirmed through park operator or public information.
South Korea	Panorama Property Ventures, Inc.	Real Estate Activities	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
South Korea	Panorama Property Ventures, Inc.	Real Estate Activities	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
South Korea	Panorama Property Ventures, Inc.	Real Estate Activities	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
South Korea	Panorama Property Ventures, Inc.	Manufacturing o Wearing Apparel	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Phlake Metal Corporation	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Philippine Sanju Corporation	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Philippine Teel Chemical Corporation	Manufacturing o Wearing Apparel	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Phils-Jeon Garments, Inc.	Manufacture of Textiles	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Phils-Jeon Garments, Inc.	Manufacturing o Wearing Apparel	Could not be confirmed through park operator or public information.	Expansion	Could not be confirmed through park operator or public information.
South Korea	Phils-Jeon Garments, Inc.	Manufacturing o Wearing Apparel	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
South Korea	Plasticplus Manufacturing Inc.	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Precise Techno, Inc.	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Expansion	Could not be confirmed through park operator or public information.
South Korea	Precise Techno, Inc.	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Pro Smd Tech Phils., Inc.	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Pton Corporation	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
South Korea	Pton Corporation	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Reliance Apparel & Fashion Manufacturing Corp.	Manufacture of Chemicals and Chemical Products	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Rg Polytch Corporation (Formerly: Rainbow Manufacturing Philippines Corporation)	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Rih Ita Electronics Corp.	Manufacture of paper and paper products	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	R-Tech Philippines Inc.	Manufacturing o Wearing Apparel	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	S Bros. Precision, Inc.	Manufacturing o Wearing Apparel	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	S.H. International Corporation	Manufacture of Textiles	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Seiko Mould Technology, Inc.	Manufacturing o Wearing Apparel	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Sain Together International Philippines Inc. (Formerly: I.Y & C International Manufacturing Corporation;2.) Woosu On's International Corporation)	Manufacturing o Wearing Apparel	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Sajin Nawoo Inc.	Real Estate Activities	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Semitec Electronics Philippines, Inc.	Electrical Machinery and Apparatus, N.E.C.	Could not be confirmed through park operator or public information.	Expansion	Could not be confirmed through park operator or public information.
South Korea	Semitec Electronics Philippines, Inc.	Recycling	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Senju Solder (Phils.), Inc.	Office, Accounting and Computing Machinery	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Seonbi Technologies, Inc.	Recycling	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Sejung Npla Inc. (Formerly: Ki Tech Philippines, Inc.)	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Sejung Npla Inc. (Formerly: Ki Tech Phils., Inc.)	Manufacture of Rubber and Plastic Products	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.

Country of Origin	Company Name	Type of Business/Industry	Number of Staff in Industrial Park	Facilities in Industrial Park	Capital Invested in Industrial Park
South Korea	Shinano Seiko Asia Corporation	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	SK10 Corp.	Manufacture of paper and paper products	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Southcoast Metal Enterprise, Inc.	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Sr. Transceiver Phils Inc.	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
South Korea	Sr. Transceiver Phils Inc.	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Expansion	Could not be confirmed through park operator or public information.
South Korea	Sr. Transceiver Phils Inc.	Warehousing and Storage	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Sscp Mia, Inc.	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Sscp Mia, Inc.	Warehousing and Storage	Could not be confirmed through park operator or public information.	Amendment	Could not be confirmed through park operator or public information.
South Korea	Star Electronics Parts, Inc. (Formerly: Dai-Bong Electronic Philippines, Inc.)	Manufacture of Rubber and Plastic Products	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Star Sound Electronics Philippines, Inc. (Formerly: Yu Jin Industrial Philippines, Inc.)	Manufacture of paper and paper products	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Suhpack Philippines, Inc.	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Sung Hyung Precision Co., Inc.	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	Expansion	Could not be confirmed through park operator or public information.
South Korea	Sung Hyung Precision Co., Inc.	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
South Korea	Sung Hyung Precision Co., Inc.	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Sung Hyung Precision Co., Inc.	Real Estate Activities	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
South Korea	Sunpino Cavite Corporation	Office, Accounting and Computing Machinery	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Supermolds Philippines, Inc.	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Supreme Coil Electronics Corporation	Manufacture of Rubber and Plastic Products	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	T.S. Planeering, Inc.	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Tae Sung Philippines Co. Inc.(Formerly: Tae Sung Industries Corporation)	Manufacture of Rubber and Plastic Products	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Temcoline Philippines Inc.	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Temcoline Philippines Inc. (Formerly: Headline I & C (Phils.), Inc.)	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Tianlija Electronics Corporation	Manufacture of Rubber and Plastic Products	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Transnational Logistics, Inc.	Manufacture of Rubber and Plastic Products	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Uchi Philippines Corporation	Manufacturing o Wearing Apparel	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Ultimate Dream Fashion Garments Corporation	Electrical Machinery and Apparatus, N.E.C.	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Ultimate Electronics Components, Inc.	Electrical Machinery and Apparatus, N.E.C.	Could not be confirmed through park operator or public information.	Amendment	Could not be confirmed through park operator or public information.
South Korea	Wear Arts Industries, Inc.	Manufacturing, N.E.C.	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Weilai Model Tech Corporation	Manufacture of Textiles	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Wonil Embroidery Corporation	Manufacture of paper and paper products	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Woo Sung Philippines Co. Inc.	Manufacturing o Wearing Apparel	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Wosung Garments International Corporation	Recycling	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
South Korea	Wu Kong (S) Pte., Ltd. (Phil. Branch)	Manufacture of paper and paper products	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Yasufuji Mold Corporation	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Ycy Technology Philippines, Inc.	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Yehun Telecom Phils. Inc.	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
South Korea	Ye-Sung Technology, Inc.	Real Estate Activities	Could not be confirmed through park operator or public information.	Amendment	Could not be confirmed through park operator or public information.
South Korea	Yky Parts Corporation	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Yonghwa Of Philippines, Inc.	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
South Korea	Yoshimoto Coating Inc.	Manufacturing o Wearing Apparel	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Young Min International, Incorporated	Manufacturing o Wearing Apparel	Could not be confirmed through park operator or public information.	Amendment	Could not be confirmed through park operator or public information.
South Korea	Younghwe Phils., Inc.	Manufacturing, N.E.C.	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Younghwe Phils., Inc. (Formerly: 1) Sapphiresphils Apparel Inc.; 2) Jin Han	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Yu Jin Optical Electronics, Inc.	Electrical Machinery and Apparatus, N.E.C.	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea	Yu Jin Optical Electronics, Inc.	Office, Accounting and Computing Machinery	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
South Korea	Yu Jin Optical Electronics, Inc.	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
South Korea	Yu Jin Optical Electronics, Inc.	Real Estate Activities	Could not be confirmed through park operator or public information.	Amendment	Could not be confirmed through park operator or public information.
South Korea	Yu Jin Optical Electronics, Inc. (Formerly: World Tech Electronics, Inc.)	Manufacture of Rubber and Plastic Products	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea/Philippines	Qj Tec Corporation	Manufacture of Rubber and Plastic Products	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea/Philippines	Glory (Philippines), Inc. (Formerly: Glory Far East (Philippines), Inc.)	Manufacturing o Wearing Apparel	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.



Country of Origin	Company Name	Type of Business/Industry	Number of Staff in Industrial Park	Facilities in Industrial Park	Capital Invested in Industrial Park
South Korea/Philippines	Sammi Embroidery Co., Inc.	Warehousing and Storage	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea/Philippines	Samyoung Electronics Phils., Incorporated	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea/Philippines	Shimadzu Philippines, Mfg., Inc.	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
South Korea/Philippines	Shimadzu Philippines, Mfg., Inc.	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
South Korea/Philippines	Shimadzu Philippines, Mfg., Inc.	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
South Korea/Philippines	Shimadzu Philippines, Mfg., Inc.	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Amendment	Could not be confirmed through park operator or public information.
Malaysia	Wynstar Packaging Corp.	Electrical Machinery and Apparatus, N.E.C.	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Malaysia	Wyntron Inc.	Electrical Machinery and Apparatus, N.E.C.	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
Malaysia	Wyntron Inc.	Electrical Machinery and Apparatus, N.E.C.	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
Mauritius	Chin-Ching Metal Works Manufacturing Corporation	Electrical Machinery and Apparatus, N.E.C.	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines	A.L. E-Component Intl. Inc.	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines	A.P. Carton Box, Inc.	Real Estate Activities	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines	Advanced Sound Technology, Inc.	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines	Ae Yong, Inc.	Manufacture of Wood, Wood Products and Cork, Except Furniture	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines	Agri Packaging System Ltd. Corp. (Approved As Gabayan Packaging, Inc.)	Real Estate Activities	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines	Almestech, Inc.	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines	Alpha Techno Precision Toolings Inc.	Manufacture of paper and paper products	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines	Ant Steel Corporation	Electrical Machinery and Apparatus, N.E.C.	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines	Antistatic Product Specialist	Electrical Machinery and Apparatus, N.E.C.	Could not be confirmed through park operator or public information.	Amendment	Could not be confirmed through park operator or public information.
Philippines	Antistatic Product Specialist	Electrical Machinery and Apparatus, N.E.C.	Could not be confirmed through park operator or public information.	Amendment	Could not be confirmed through park operator or public information.
Philippines	Antistatic Product Specialist	Electrical Machinery and Apparatus, N.E.C.	Could not be confirmed through park operator or public information.	Amendment	Could not be confirmed through park operator or public information.
Philippines	Antistatic Product Specialist	Electrical Machinery and Apparatus, N.E.C.	Could not be confirmed through park operator or public information.	Expansion	Could not be confirmed through park operator or public information.
Philippines	Antistatic Product Specialist	Electrical Machinery and Apparatus, N.E.C.	Could not be confirmed through park operator or public information.	Expansion	Could not be confirmed through park operator or public information.
Philippines	Artpack Philippines, Inc.	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines	Astec Power Philippines, Inc.	Electrical Machinery and Apparatus, N.E.C.	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines	At&S Technologies, Inc.	Real Estate Activities	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines	Atlantica Industrial Resources Corp.	Real Estate Activities	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
Philippines	Beom Jun Electronics, Inc.	Real Estate Activities	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines	Boorim Tech Phils. Inc.	Real Estate Activities	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines	Bridgestone Precision Moldings Philippines, Inc.	Manufacture of Rubber and Plastic Products	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines	Camel Components Phils. Industrial Corp.	Real Estate Activities	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines	Castem Philippines Corporation (Formerly: K2 Fine Metal Corporation)	Manufacturing o Wearing Apparel	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines	Cavite Apparel Corporation	Manufacturing o Wearing Apparel	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines	Cavite Manufacturing Co., Inc.	Manufacturing o Wearing Apparel	Could not be confirmed through park operator or public information.	Amendment	Could not be confirmed through park operator or public information.
Philippines	Cavite Soxnet, Inc.	Real Estate Activities	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
Philippines	Chariotskates Corp.	Electrical Machinery and Apparatus, N.E.C.	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines	Chiao Lin Electronics Philippines Corporation (Formerly: Chiao Lin Electronics Philippines, Inc.)	Warehousing and Storage	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines	Dae Shin Han Tech Corporation	Recycling	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines	Eun Ye Metal Philippines, Inc.	Manufacturing o Wearing Apparel	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines	Faith Achieve Plastics Corporation	Warehousing and Storage	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines	Fe-Tronic Manufacturing (Phils.), Inc.	Warehousing and Storage	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines	Finetex Technology Phil. Corp.	Electrical Machinery and Apparatus, N.E.C.	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines	Global Moulding Technology, Inc.	Manufacture of paper and paper products	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines	Global Packaging And Logistic Solutions, Inc.	Manufacturing o Wearing Apparel	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines	Globaltex Impex Inc.	Office, Accounting and Computing Machinery	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
Philippines	Glory (Philippines), Inc.	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
Philippines	Glory (Philippines), Inc.	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	Amendment	Could not be confirmed through park operator or public information.
Philippines	Glory (Philippines), Inc.	Office, Accounting and Computing Machinery	Could not be confirmed through park operator or public information.	Amendment	Could not be confirmed through park operator or public information.
Philippines	Glory (Philippines), Inc.	Office, Accounting and Computing Machinery	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
Philippines	Glory (Philippines), Inc.	Office, Accounting and Computing Machinery	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.





Country of Origin	Company Name	Type of Business/Industry	Number of Staff in Industrial Park	Facilities in Industrial Park	Capital Invested in Industrial Park
Philippines	Readore Technology Phils. Corporation	Manufacturing o Wearing Apparel	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines	S & S Philippines Inc.	Manufacture of Rubber and Plastic Products	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines	Scp Micro Coil Electronics, Inc. (Formerly: Kohzan Cavite, Inc.)	Recycling	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines	Siti Logistics Service, Inc.	Real Estate Activities	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines	Suntech System Philippines, Inc.	Manufacture of paper and paper products	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines	Telsigma Corporation	Real Estate Activities	Could not be confirmed through park operator or public information.	Amendment	Could not be confirmed through park operator or public information.
Philippines	Temcoline Philippines Inc.	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Amendment	Could not be confirmed through park operator or public information.
Philippines	Temcoline Philippines Inc.	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Amendment	Could not be confirmed through park operator or public information.
Philippines	Tokyo Rubber Corporation	Manufacture of paper and paper products	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines	Top Most Packaging Corporation	Manufacture of Rubber and Plastic Products	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines	Touch Packaging, Inc.	Manufacture of paper and paper products	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
Philippines	Touch Packaging, Inc.	Real Estate Activities	Could not be confirmed through park operator or public information.	Amendment	Could not be confirmed through park operator or public information.
Philippines	Touch Packaging, Inc.	Warehousing and Storage	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines	Tsukuba Philippine Diecasting Corporation	Machinery and Equipment, N.E.C.	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines	Tsukuba Philippine Diecasting Corporation	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
Philippines	Veer-O-Metals (Philippines) Inc.	Warehousing and Storage	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines	Volex Cable Assemblies (Phils.), Inc.	Warehousing and Storage	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines	V-Tech Trading Logistics And Services Corp.	Warehousing and Storage	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines	Warehouse Management & Trade Development Services, Inc.	Real Estate Activities	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines	Wytron Inc.	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines	Zephyr Fashion (Ph) Corp.	Manufacture of Rubber and Plastic Products	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines/Australia	Radix Telecom Phils. Industries Inc.	Recycling	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines/Hong Kong	Faremo International, Inc.	Electrical Machinery and Apparatus, N.E.C.	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines/Japan	Cs Garments, Inc.	Office, Accounting and Computing Machinery	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines/Japan	Fortunecross Philippines, Inc.	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines/Japan	MKP, Inc.	Electrical Machinery and Apparatus, N.E.C.	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines/Japan	Taketora Philippines, Inc.	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines/South Korea	A.C.E. Manix Electronics Co., Inc.	Electrical Machinery and Apparatus, N.E.C.	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines/South Korea	Dong Seung, Inc.	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines/South Korea	Han Samxae International Corp.	Manufacturing o Wearing Apparel	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines/South Korea	Ingo Manufacturing Philippines, Inc.	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines/South Korea	Long Wealth International Corp.	Manufacturing o Wearing Apparel	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines/South Korea	Nep Logistics, Inc.	Warehousing and Storage	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
Philippines/South Korea	Nep Logistics, Inc.	Electrical Machinery and Apparatus, N.E.C.	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines/Singaporean	East Valley Fibers Corporation	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines/Taiwanese	Phase Design, Inc.	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Singapore	Cell Tech. Electronics Philippines Inc.	Warehousing and Storage	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Singapore	H.R.D. Singapore Pte Ltd	Manufacturing, N.E.C.	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Singapore	Hor Sin Metal Corp.	Manufacture of Rubber and Plastic Products	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Singapore	House Technology Industries Pte. Ltd.	Manufacture of Other Non-Metallic Mineral Products	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
Singapore	House Technology Industries Pte. Ltd.	Manufacture of paper and paper products	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
Singapore	House Technology Industries Pte. Ltd.	Real Estate Activities	Could not be confirmed through park operator or public information.	Amendment	Could not be confirmed through park operator or public information.
Singapore	House Technology Industries Pte. Ltd.	Real Estate Activities	Could not be confirmed through park operator or public information.	Amendment	Could not be confirmed through park operator or public information.
Singapore	House Technology Industries Pte. Ltd.	Manufacture of Rubber and Plastic Products	Could not be confirmed through park operator or public information.	Expansion	Could not be confirmed through park operator or public information.
Singapore	House Technology Industries Pte. Ltd.	Manufacture of Rubber and Plastic Products	Could not be confirmed through park operator or public information.	Amendment	Could not be confirmed through park operator or public information.
Singapore	House Technology Industries Pte. Ltd.	Manufacture of Rubber and Plastic Products	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
Singapore	House Technology Industries Pte. Ltd.	Manufacture of Wood, Wood Products and Cork, Except Furniture	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
Singapore	Inventory Management Services, Inc.	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Singapore	Sarritau Great International Corporation	Manufacture of Wood, Wood Products and Cork, Except Furniture	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
Singapore	Scad Services (S) Pte., Ltd. (Phil. Branch)	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.

Country of Origin	Company Name	Type of Business/Industry	Number of Staff in Industrial Park	Facilities in Industrial Park	Capital Invested in Industrial Park
Singapore	Scad Services (S) Pte., Ltd. (Phil. Branch)	Manufacture of Wood, Wood Products and Cork, Except Furniture	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
Singapore	Scad Services (S) Pte., Ltd. (Phil. Branch)	Manufacture of Wood, Wood Products and Cork, Except Furniture	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Singapore	Scad Services (S) Pte., Ltd. (Phil. Branch) (Approved As Kanekichi Wood Technology (K.W.T.) Phils. Inc.)	Warehousing and Storage	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Singapore	Schneider Electric IT Logistics Asia Pacific Pte Ltd - Philippine Branch	Business Process Outsourcing	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Singapore	Vinox Corporation	Warehousing and Storage	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Singapore	Wow Recycling Mfg. Inc.	Manufacture of Wood, Wood Products and Cork, Except Furniture	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Singapore	Wu Kong (S) Pte., Ltd. (Phil. Branch)	Furniture	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
Singapore	Wu Kong (S) Pte., Ltd. (Phil. Branch)	Manufacture of Other Non-Metallic Mineral Products	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
Singapore	Wu Kong (S) Pte., Ltd. (Phil. Branch)	Manufacture of Wood, Wood Products and Cork, Except Furniture	Could not be confirmed through park operator or public information.	Amendment	Could not be confirmed through park operator or public information.
Singapore	Wu Kong (S) Pte., Ltd. (Phil. Branch)	Manufacture of Wood, Wood Products and Cork, Except Furniture	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
Singapore	Wu Kong (S) Pte., Ltd. (Phil. Branch)	Manufacture of Wood, Wood Products and Cork, Except Furniture	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
Singapore	Zentes Unitex Asia, Inc.(Formerly: Filplast Corporation)	Manufacturing o Wearing Apparel	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Switzerland	Macro Wiring Technologies Co., Inc.	Electrical Machinery and Apparatus, N.E.C.	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Switzerland	Magne tron Technology Philippines, Corporation	Warehousing and Storage	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Taiwan	Durapack Corporation	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Taiwan	Dyna Image Corporation Philippines	Manufacture of Medical, Precision and Optical Instruments, Watches and Clocks	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
Taiwan	Dyna Image Corporation Philippines	Office, Accounting and Computing Machinery	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
Taiwan	Dyna Image Corporation Philippines	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Amendment	Could not be confirmed through park operator or public information.
Taiwan	Dyna Image Corporation Philippines	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Amendment	Could not be confirmed through park operator or public information.
Taiwan	Dyna Image Corporation Philippines	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Amendment	Could not be confirmed through park operator or public information.
Taiwan	Dyna Image Corporation Philippines	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Amendment	Could not be confirmed through park operator or public information.
Taiwan	Dyna Image Corporation Philippines	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
Taiwan	F & Ts Philippines, Inc.	Manufacture of Rubber and Plastic Products	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Taiwan	Faith Achieve Plastics Corporation	Manufacture of Rubber and Plastic Products	Could not be confirmed through park operator or public information.	Amendment	Could not be confirmed through park operator or public information.
Taiwan	Heavy Duty Packaging Corporation	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Taiwan	Ho Jin Metal Philippines, Inc.	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Taiwan	L N Resource Corp.	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Taiwan	Lakepower Converter, Inc.	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Taiwan	Rocket Star Enterprise Phils., Inc.	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Taiwan	SHK Manufacturing Tech., Inc.	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Taiwan	Vigorous Int'l Integrated Resources Inc.	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Taiwan	Vigorous Int'l Integrated Resources Inc.	Warehousing and Storage	Could not be confirmed through park operator or public information.	Amendment	Could not be confirmed through park operator or public information.
UK	Astec International Limited - Phil. Branch	Electrical Machinery and Apparatus, N.E.C.	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
UK	Astec Power Philippines, Inc.	Electrical Machinery and Apparatus, N.E.C.	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
UK	Astec Power Philippines, Inc.	Electrical Machinery and Apparatus, N.E.C.	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
UK	Astec Power Philippines, Inc.	Electrical Machinery and Apparatus, N.E.C.	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
UK	Astec Power Philippines, Inc.	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
UK	Rd Environmental Solutions, Inc.	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
USA	Amca Smart Solutions Inc.	Call Centers	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
USA	American Power Conversion Corporation (A.P.C.) B.V.	Electrical Machinery and Apparatus, N.E.C.	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
USA	American Power Conversion Corporation (A.P.C.) B.V.	Office, Accounting and Computing Machinery	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
USA	American Power Conversion Corporation (A.P.C.) B.V.	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
USA	American Power Conversion Corporation (A.P.C.) B.V.	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
USA	American Power Conversion Corporation (A.P.C.) B.V.	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
USA	American Power Conversion Corporation (A.P.C.) B.V.	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
USA	American Power Conversion Corporation (A.P.C.) B.V.	Manufacture of Radio, Television and Communication Equipment and Apparatus	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
USA	American Power Conversion Corporation (A.P.C.) B.V.	Real Estate Activities	Could not be confirmed through park operator or public information.	Amendment	Could not be confirmed through park operator or public information.
USA	H.R.D. Singapore Pte Ltd (Formerly: House Research & Development Pte. Ltd.)	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
USA	Parts Philippines, Inc.	Machinery and Equipment, N.E.C.	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
USA	Technomolva Inc.	Recycling	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.

Country of Origin	Company Name	Type of Business/Industry	Number of Staff in Industrial Park	Facilities in Industrial Park	Capital Invested in Industrial Park
USA/South Korea	Cavite Socks Phils., Inc.	Manufacturing o Wearing Apparel	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
USA/South Korea	Ye-Sung Technology, Inc.	Manufacturing, N.E.C.	Could not be confirmed through park operator or public information.	Original	Could not be confirmed through park operator or public information.
Philippines	Assembly Solutions, Inc.	Engineering, Architectural and Other Design Services	Could not be confirmed through park operator or public information.	Amendment	Could not be confirmed through park operator or public information.
USA	Bestlandmark Development Corporation (Formerly: Best Electronics Corporation)	Manufacturing o Wearing Apparel	Could not be confirmed through park operator or public information.	Amendment	Could not be confirmed through park operator or public information.
Philippines	Ccmc Land, Inc.	Manufacture of Fabricated Metal Products, Except Machinery and Equipment	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
Could not be confirmed through park operator or public information.	S-Label, Inc.	Warehousing and Storage	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.
Philippines	Solid State Holdings & Multi-Resources Corp.	Motor Vehicles, Trailers and Semi-Trailers	Could not be confirmed through park operator or public information.	New Project	Could not be confirmed through park operator or public information.

**Singapore – Jurong Island Industrial Park**  
**Industrial Park ID: XXSG07**

Infrastructure	Transport	Facilities	Rent	Information on Managing Association
<p><b>Electrical power supply:</b> The park does have Uninterruptible Power Supply (UPS) in the premises, with extra high tension and high quality electricity readily available. The power on the island is supplied by EMC (state owned) Singapore's main power company. There are also electricity substations on the island with power coming across from the mainland.</p>	<p><b>Road:</b> The road system in the park is owned and maintained by JTC management and the Land Transport Authority (state). Jurong Island is linked to mainland Singapore via a 2.3 km-long Jurong Island Road Link a dual-four-lane carriageway. There are bus services plying between Jurong East Bus Interchange (JEBI), Jurong Island Checkpoint (JIC) and within Jurong Island.</p>	<p><b>Restaurant/ canteen:</b> The park has multiple restaurants, convenience stores and supermarkets providing food and shopping options.</p>	<p>Rental and sales prices would be provided if a specific interest was shown including information on the infrastructure requirements and size of operation etc.</p>	<p>Name and Address: JTC Corporation, The JTC Summit              8 Jurong Town Hall Road              Singapore 609434</p> <p>Telephone: +65 6560 0056 (overseas) – 1800 – 5687000 (domestic)</p> <p>Fax: +65 6565 5301</p> <p>Email: askjtc@jtc.gov.sg, Xianwen.NG@jtc.gov.sg (Ng Xian Wen)</p> <p>Website: <a href="http://www.jtc.gov.sg/RealEstateSolutions/Jurong-Island/Pages/default.aspx">www.jtc.gov.sg/RealEstateSolutions/Jurong-Island/Pages/default.aspx</a></p>
<p><b>Water supply/ industrial water service:</b> Could not be confirmed through park operator or public information.</p>	<p>Railway: Not available.</p>	<p><b>Hospital/ medical service station:</b> Could not be confirmed through park operator or public information.</p>		
<p><b>Sewage system/ waste water treatment:</b> The park has a modern and sufficient sewage system which is available to all areas of the park.</p>	<p><b>Port: Not available.</b></p>	<p><b>Shopping center/ shops:</b> The park has multiple restaurants, convenience stores and supermarkets providing food and shopping options.</p>		
<p><b>Telecommunications:</b> There is a fiber optic cable network available for communication.</p>	<p><b>Trucking distribution:</b> The park has logistic, trucking, shipping and transport facilities (state and privately owned and managed). The island is part of Jurong Port and has significant port facilities with industrial tenants having direct onsite access to shipping. There are multiple freight trucking companies connecting the park to changi airport and further afield. The park has a designated container yard as well as a Custom and Excise office onsite. Handling and moving equipment can be rented onsite.</p>	<p><b>Housing:</b> The island is not an industrial park that offers a variety of commercial and residential options and rather sells itself as a designated chemical industrial area. The islands close proximity to Singapore means there is no need for housing, hotels, sporting facilities etc.</p>		
<p><b>Standard factories:</b> Could not be confirmed through park operator or public information.</p>	<p>Bonded warehouse: Not available.</p>	<p><b>Other – Safety and security:</b> The island is home to a fire station armed with hazardous materials firefighting equipment and a 40-men fire fighting team. The fire station, operated by the Singapore Civil Defense Force (SCDF), is centrally located and can respond to emergency situations in any part of the island in under 8 minutes.</p> <p>There is an onsite petrol station and the park enjoys 24 hour security with security checkpoint screening all vehicles and people entering and leaving the island. The Jurong Island Checkpoint employs the latest security technologies and trained security personnel to allow for swift clearance and effective screening. The island is a highly secure zone deliberately providing this security due to the volatile nature of the chemicals on the island and the level of R&amp;D taking place on the island.</p>		
<p><b>Other – Natural gas:</b> The park has a gas pipeline that navigates through park with a number of gas companies used across the island. The island is set up specifically for the chemicals industry and thus there is onsite access to industrial gases (N<sub>2</sub>, H<sub>2</sub>, O<sub>2</sub>), incinerator, steam plants, and chemical logistics holding find distribution facilities.</p> <p>There are also two existing subsea pipelines used by Exxon and Shell and a common pipeline corridor.</p>		<p><b>Other – Banking:</b> The park also has various ATM and bank facilities.</p>		

### Tenant List

<b>Total Number of Firms</b>	41
<b>Total Number of Japanese Firms</b>	11
<b>Remarks on Tenant List</b>	The park operator said that all tenant company information is confidential and would not provide any information on tenant companies. No comprehensive list of tenant companies was publicly available.

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**Thailand – Amata Nakorn Industrial Estate**  
**Industrial Park ID: XXTH03**

Infrastructure	Transport	Facilities	Rent	Information on Managing Association
<p><b>Electrical power supply:</b> There are 2 sources of electricity, 1) Public electricity is provided by the PEA Provincial Authority sub-station located within Amata Nakorn Estate (22KV). Government tariffs are given for these electrical usage. 2) The second source is private and comes from Amata (private). Amata-EGCO Power has a capacity of 332 MW and supplies 22KV (availability subject to load factor). The tariffs are based on government ones and on a contract basis. There is no Uninterruptible Power Supply (UPS) in the premises.</p>	<p><b>Road:</b> Within the industrial park there is solid steel reinforced concrete roads with footpaths. Also, the land is elevated to a minimum of 1.8 m above Mean Sea Level (MSL) and compacted to an average of 80% standard proctor compaction. The main road is 48 m width, 6 lanes while the secondary road is 32 m width, 4 lanes.</p>	<p><b>Restaurant/ canteen:</b> There are many Thai restaurants in the Park and within 1km radius of the Estate. There are also Japanese restaurants such as Ebisu Park, Nippon-Tei, etc., buffet places and Italian restaurants on site.</p>	<p>Rental Fees: The tenure of the land is freehold.            Maintenance Fees: The payments for maintenance fees are BHT 900/rai/month for general industrial zone and BHT 1,200/rai/month for Free Zone</p>	<p>Name and Address: Amata Corporation Plc. (Chonburi Office), 700 Moo 1, Bangna-Trad Rd., Tambol Klomg Tamru, Amphur Muang, Chonburi 20000, Thailand            Telephone: +66 382 13007            Fax: +66 389 39700            Email: marketing@amata.com, chattrakarn@amata.com ( Marketing Executive: Chattrakarn Tumpakorn )            Website: www.amata.com</p>
<p><b>Water supply/ industrial water service:</b> The industrial park has 5 sources of water:            1) Sri-Yad Dam, 10 million cum /year (public);            2) Reservoirs and lakes at Amata Nakorn, 20 million cum/year (private);            3) Private pounds, 20 million cu.m/year            4) Backup source, Bangpakong river (public), 6M cu.m/year            5) Water treatment plant in the industrial park(private): 44,00 cu.m/day            The quality of water sources are pre-treated water conforming to the standards of the Ministry of Industry. The condition of supply conforms to the standards of Industrial Estate Authority of Thailand. The tariffs are standard quota: 7 cu.m/day/rai. Tariff within quota: Baht 19.5-/cu.m</p>	<p><b>Railway:</b> Not available.</p>	<p><b>Hospital/ medical service station:</b> Amata has a 24-hour medical center on site with a stand-by physician and ambulance service. Currently, Amata is building a new hospital in the industrial park, known as the Vidharam hospital, which would be finished by 2015. Upon completion, there will be a 200-bed hospital available. At the moment, the closest hospitals and medical clinics are 30 minutes away in Chonburi city.</p>		
<p><b>Sewage system/ waste water treatment:</b> Treatment plant (private) constructed by the industrial park treats 20,000 cu.m/day. The volume of waste water is assumed to be 80% of good water consumed unless the production formula is approved by IEAT to be otherwise            Tariffs on waste water management rate is based on BOD levels of the effluent discharge to the central waste treatment plant.            BOD ppm (0-200): BHT 6/cu.m            BOD ppm (200-300): Bht 7/cu.m</p>	<p><b>Port:</b> Not available.</p>	<p><b>Shopping center/ shops:</b> Lotus Plus Mall, and Central Chonburi ( 15 km). There are also 7-11 and local stores around.</p>		
<p><b>Telecommunications:</b> Telecommunications are provided by TOT (public) and TT&amp;T (public) fiber optic cables. There are ISDN available too. Each rental unit comes with ready-to-use telephone lines. Optical fiber internet connection is also available.</p>	<p><b>Trucking distribution:</b> Laem Chabang Deep Sea Port provides all transportation services to all industrial estates within the Eastern Seaboard Region (private). This includes more than 100 trucking companies; more than 100 forwarders; and nearly 50 shipping lines. All companies are private.</p>	<p><b>Housing:</b> Apartments and villages (gated communities) around 2 locations such as C-House, Nichada village, Amata mansion etc. Accommodation, which are privately owned, is available for both workers and executives.</p>		
<p><b>Standard factories:</b> For ready built factory, it is approximately BHT 230 /sq.m/month</p>	<p><b>Bonded warehouse:</b> Not available.</p>	<p><b>Other – Safety and security:</b> There are 24-hour security guards and police box located in the estate. Fire prevention measures include fire hydrants that are located 25m apart, a fire engine as well as trained personnel on site. The industrial park also follows the IEAT’s Network Emergency Operation Plan.            Amata has a sub-sidiary, Amata Facility Services to provide 24-hour Call Center, security, gardening, cleaning, janitorial services, pest control, garbage collection, hygiene products and other maintenance services. The industrial park is ISO 14001 certified by TUV Rheinland</p>		
<p><b>Other – Natural Gas:</b> Amata Natural Gas Distribution (private), metering regulation station in the industrial park.</p>		<p><b>Other – Banking:</b> There are five major bank branches on site and several ATMs throughout the park</p>		
<p><b>Other – Steam:</b> Amata Power Plant steam supply (private)</p>				

































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**Thailand – Hemaraj Eastern Seaboard Industrial Estate**  
**Industrial Park ID: XXTH11**

Infrastructure	Transport	Facilities	Rent	Information on Managing Association
<p><b>Electrical power supply:</b> There are 3 sources (private) of electricity.</p> <p>1) GHECO–One Co., Ltd. is a 35/65 joint venture in a 680 MW IPP with Glow Energy, a subsidiary of GDF Suez Energy Group to supply power to Electricity Generating Authority of Thailand (EGAT).</p> <p>2) Glow IPP: Hemaraj holds 5% equity in Glow IPP, a 713 MW IPP power project located in Hemaraj Chonburi Industrial Estate in operation since 2001.</p> <p>3) <b>Houay Ho Hydro Power:</b> Hemaraj holds 12.75% of the</p>	<p><b>Road:</b> Located within the estate, the main road is 40 meters width, 2 lanes and constructed with reinforced concrete. Primary Road is 22 meters width, 2 lanes with reinforced concrete. There are also reinforced concrete drainage pipe with manhole.</p>	<p><b>Restaurant/ canteen:</b> ESIE Plazas in the industrial estates include multiple convenience shops and restaurants, and several venues providing office rentals, legal, accounting and supporting services. Hemaraj Commercial Plaza located in the park features several Thai, Japanese, Korean, Chinese and Western cuisines (i.e. Italian). There are also a few pubs.</p>	<p>Current building available starts from 500 sq.m to 7,000 sq.m. Lease rate starts from BHT 175 to BHT 200 /sq.m/month. Fees vary depending on model, building and condition.</p>	<p>Name and Address: Hemaraj Land &amp; Development 18th floor UM Tower 9 Ramkhamhaeng Rd. Suanluang Bangkok 10250 Thailand</p> <p>Telephone: +66 2 719 9555</p> <p>Fax: +66 2 719 9546 7</p> <p>Email: suchada@hemaraj.com (Suchada Limpornpuddee, Manager of Customer Development )</p> <p>Website: www.hemaraj.com</p>
<p><b>Water supply/ industrial water service:</b> Hemaraj is Thailand's largest private provider of industrial water, including treated potable and clarified water, providing 200,000 cu.m per day. It has a treatment capacity of 500 cubic meters per day (Full Phase) and is able to supply 2 cu.m per rai per day on average.</p> <p>1) Hemaraj Clean Water Company Limited: a 100% subsidiary that produces and distributes industrial water to supply factories in the industrial estates.</p> <p>2) Hemaraj Water Company Limited: a subsidiary company of Hemaraj Clean Water that develops and manages water resources and provides treated water to industrial factories.</p>	<p><b>Railway:</b> Not available.</p>	<p><b>Hospital/ medical service station:</b> Medical Care is available at Eastern Seaboard Industrial Estate (Rayong) through the well-known Sanitvej Sri Racha Hospital. Emergency ambulance service is available 24 hours a day, seven days a week.</p>		
<p><b>Sewage system/ waste water treatment:</b> Waste Management Siam (private) operates the Eastern Seaboard Environmental Complex. Located at Hemaraj Chonburi Industrial Estate, this is Thailand's first licensed, ISO 9001 and 14001-certified, non-hazardous waste disposal landfill site.</p> <p>Hemaraj treats 100,000 cu.m of wastewater per day. Hemaraj Water Company Limited is a subsidiary company of Hemaraj Clean Water that develops and manages water resources and provides treated water to industrial factories. It also has a Package Activated Sludge capacity 400 cu.m per day (Full Phase)</p> <p>SSEZ has a separate sewage system, separating rainwater and wastewater. A 2000T/day water treatment pool is under planning and construction (private).</p>	<p><b>Port:</b> Not available.</p>	<p><b>Shopping center/ shops:</b> There are three shopping plazas in the park that have small shops, grocery stores and 7 Eleven. For large shopping malls, there is a number of shopping centers (Tesco, Lotus, Pacific Park Sri Racha), movie theaters and entertainment centers in Sri Racha, Chonburi.</p>		
<p><b>Telecommunications:</b> Ultra High Speed Telecommunications Network has been constructed and managed by CAT Telecom Public Company Limited (public). The telecommunications infrastructure uses the Fiber To The Factory (FTTF) platform. Hemaraj is the first industrial estate developer in Thailand to provide FTTF service in industrial estates.</p> <p>Telephone lines, ISDN local Service, International ISDN, data communication leased line and ISP are available from CAT (CAT Telecom Public Company Limited) or TRUE (True Corporation Public Company Limited)</p>	<p><b>Trucking distribution:</b> The 2 main sources are</p> <p>1) Hemaraj Value Added Service Center (VAS) (private) which offers myriad value-added services, including pre- to post-business operation set up and preparation.</p>	<p><b>Housing:</b> Hemaraj ESIE does not have housing on site but provides a long list of nearby hotels, serviced apartments, apartments, mansions, housing estates</p>		

<p><b>Standard factories:</b> Sized from 500 sq.m. to 6,000 sq.m., the Ready Built Factories for Rent offer manufacturers various alternatives to fit their requirements with a quick entry and lower initial cost. Hemaraj also builds Purpose Built Factories of 10,000 sq.m. or more upon order.</p>	<p><b>Bonded warehouse:</b> The industrial park includes bonded warehouses. The Free Zones at Hemaraj ESIE and ESIE provide companies that manufacture primarily for export with additional tax and duty privileges, similar to a customs bonded area. The area is under the supervision of the Customs Department of Thailand. Bonded warehouse area totaling 1,093 rai (434 acres).</p>	<p><b>Other – Safety and security:</b> Emergency response: Firefighting teams are available around the clock at six industrial estates and industrial zones, with police or security officers provided for emergencies. There are 24 hour security surveillances with police and security officers provided in case of emergency</p>
<p><b>Other – Steam:</b> Eastern Pipeline Services Company Limited (private) a 100% subsidiary that provides support and facility for piping distribution for chemicals, steam and industrial gases for heavy industrial users.</p>		<p><b>Other – Banking:</b> There are banks available in the shopping plazas</p>
<p><b>Other – Natural gas:</b> Natural gas is supplied from PTT Public Company Limited (PTT) to customers in Hemaraj through an underground pipe system. Industrial gases (Oxygen, Nitrogen, Hydrogen, Argon) are supplied from Air Liquid in Hemaraj SIL to customers by tube or through a pipe system</p>		<p><b>Other – Business Services:</b> Value Added Service Center: Hemaraj Value Added Service Center (VAS) (private) offers myriad value-added services, including pre- to post-business operation set up and preparation. Other services available from VAS include information sources and coordination in building construction, office interiors, IT, telecommunication systems, transportation solutions, industrial housekeeping, gardening, cleaning services, health care and executive accommodations, etc. Business and Training Center: Multiple conference rooms and training venues are provided at all six Hemaraj industrial estates and industrial zones. Facilities include private offices and meeting rooms, projection equipment, computer-based training systems, multiple training venues, and video-conferencing.</p>















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**Thailand – Rojana Industrial Park**  
**Industrial Park ID: XXTH20**

Infrastructure	Transport	Facilities	Rent	Information on Managing Association
<p><b>Electrical power supply:</b> Electricity is provided by Provincial Electric Authority (public) with a mobile sub-station of 25 MW, 22 and 115 kV. A standard supply capacity is 70 kva/rai. There is no Uninterrupted Power Supply available.</p>	<p><b>Road:</b> The industrial park is located on Highway 3138 and is located very closely to two major ports: Map Ta Phut (32 km) and TPPI (26 km). Within the park, the main Road is 38 m width, 6 lanes and constructed with reinforced concrete. Secondary Road is 22 m width.</p>	<p><b>Restaurant/ canteen:</b> Restaurants, grocery stores can be located inside the park. Several restaurants serve Japanese, Thai, Chinese cuisines. There are also coffee shops and pubs.</p>	<p>Land for sale is quoted at the price of 1,250/sq. m.</p>	<p>Name and Address: Rojana Industrial Park Co. Ltd. 2034/115 Itaijai Tower 28th Fl. New Phetchaburi Rd., Bang Khapi, Hual Khwang, Bangkok 10310 Thailand</p> <p>Telephone: +66 2 716 1750 8</p> <p>Fax: +66 2 716 1759 60</p> <p>Email: koshiba@rojana.com (Japanese Sales Manager, Mr. Koshiba)</p> <p>Website: www.rojana.com</p>
<p><b>Water supply/ industrial water service:</b> There are 2 sources of water</p> <p>1) Rain water and water from the mountain (public) will be kept in the reservoir of 1,000,000 cu.m.</p> <p>2) Rayong River (public) –water will be pumped to an intake point of 700,000 cu.m.</p> <p>On average, the Estate uses 10 cu.m. per rai per day and has a total water production capacity of 40,000 cu.m. per day. Water is being charged at 14 Baht/cu.m.</p>	<p><b>Railway:</b> Not available.</p>	<p><b>Hospital/ medical service station:</b> There are 7 government hospitals in the surrounding areas, 3 private hospitals and 140 medical clinics.</p>		
<p><b>Sewage system/ waste water treatment:</b> On site water treatment facility (private) has a capacity of 24,000 cu.m. per day. Wastewater treatment charge is subject to BOD level and the quantity is calculated by 80% of total water consumption.</p>	<p><b>Port:</b> Not available.</p>	<p><b>Shopping center/ shops:</b> Only small shops (7 Eleven) and grocery stores on site. There are several shopping centers located near the industrial park. Tesco Lotus is located 4km from the park, Umphorn Department Store which is 7 km away and Future Park Rangsit is 45 km away. There are also hypermarkets such as Big C and Makro.</p>		
<p><b>Telecommunications:</b> Forms of telecommunications available includes leased line (private) optic, ADSL, ISDN by TOT (public), TT &amp; T (public), and CAT (public). Telephone lines are given to customers upon request. There is at least one telephone line available in every rental unit in the Park. Internet connection is ADSL.</p>	<p><b>Trucking distribution:</b> There are a number of private trucking and logistics companies, service companies within the industrial region of Map Ta Phut.</p>	<p><b>Housing:</b> There are no housing options within the park. Nearby options include:</p> <p>1) Rojana Mansion, 140 furnished rooms</p>		
<p><b>Standard factories:</b> The standard size is 1,080 sq.m. on a plot of 6,400 sq.m. available for sale or lease. Each facility comes with water, electricity and phone lines.</p>	<p><b>Bonded warehouse:</b> Not available.</p>	<p><b>Other – Safety and security:</b> There are 24 hour security guards and the estate is fully fenced. There are fire hydrant every 100 m. There is also fire fighting truck with 8 cum. tank on site and government fire station nearby</p> <p>Fire hydrants can be found on the roadside at every 150 – meter within the park. Fire Fighting Trucks of Rojana and government organizations are also available.</p>		
<p><b>Other – Natural gas:</b> The natural gas is made available by PTT Public Co Ltd. Gas Sale Metering Station is located in the Estate through the distribution pipeline system</p>		<p><b>Other – Banking:</b> There are banks and ATMs available in the park.</p>		



Country of Origin	Company Name	Type of Business/Industry	Number of Staff in Industrial Park	Facilities in Industrial Park	Capital Invested in Industrial Park
Japan	Totoku (Thailand) Co. Ltd.	Manufacturer of machinery and equipment	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Tris (Thailand) Co. Ltd.	Manufacturer of basic metals	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Japan	Yamashin Thai Ltd.	Manufacturer of machinery and equipment	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Malaysia	Engtek (Thailand) Co. Ltd.	Manufacturer of computer, electronic and optical products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Malaysia	Min Ak Technology (Thailand) Co. Ltd.	Manufacturer of computer, electronic and optical products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Singapore	I.M.E. (Thailand) Co. Ltd.	Manufacturer of machinery and equipment	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Thailand	TDI Manufacturer of rubber and plastic products Corp. Co. Ltd.	Manufacturer of rubber and plastic products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Thailand	Tiger Poly (Thailand) Co. Ltd.	Manufacturer of motor vehicles, trailers and semi-trailers	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
UK	Maxon CIC (Thailand) Co. Ltd.	Manufacturer of computer, electronic and optical products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.

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**Vietnam – Nomura Industrial Park**  
**Industrial Park ID: XXVN21**

Infrastructure	Transport	Facilities	Rent	Information on Managing Association
<p><b>Electrical power supply:</b> The tenants are provided with both voltage level 22kV or 380V from EVN power source by using NHIZ station (public) 110kV/60MVA and distribution network. This has a capacity of 50MW. In case of EVN power failure, standby heat power plant will be used. There is no Uninterrupted Power Supply facility in the premises.</p>	<p><b>Road:</b> Internal roads consists of main road system (30m width) and sub-road system (20m width). The external road system consist of Road No.5 and Road No.10, which are adjacent to NHIZ. The road system is to be equipped with illuminating system and storm-water drainage system. The road system is public.</p>	<p><b>Restaurant/ canteen:</b> There are no restaurants in the industrial zone however there are shopping centers located in close proximity            1) A Japanese restaurant, which regularly serves lunch and dinner for staff of the industrial park; 500m from the industrial park            2) Other small restaurants: Approximately 1-5km from the industrial park</p>	<p>Rental fees are USD 85-100/sq.m/50years, lease of standard factory fee is USD 3-5/sq.m/mth and management fees is USD 0.15/sq.m/mth.</p>	<p>Name and Address: Nomura-Haiphong Industrial Zone Development Corporation, Management Building Nomura Haiphong Industrial Zone, AnDuong District, Haiphong City, Vietnam             Telephone: +84 31 3743026, +84 313 476 902 – Ext 331(Contact person: Ms. Ngoc)             Fax: +84 31 3743613             Email: customerservice@hpnomura.com             Website: hpnomura.com</p>
<p><b>Water supply/ industrial water service:</b> Water is supplied from Vat Cach water supplier at 13,500 cu.m/day. This infrastructure is public. Water price: VND 14,400/cu.m</p>	<p><b>Railway:</b> Not available.</p>	<p><b>Hospital/ medical service station:</b> NomuraIndustrial Park has a small medical center consisting of 2 staff. This medical center's functions: first aid, diagnosis and treatment for some normal sickness such as headaches, cough, fever.</p>		
<p><b>Sewage system/ waste water treatment:</b> Sewage discharging pipe system runs from each tenant to the sewage treatment plant. After being treated in the plant, the water will be discharged to the river. Standardized sewage treatment plant with capacity of 10,800cu.m/day. Sewage treatment fee: USD 0.34/cu.m.</p>	<p><b>Port:</b> Not available.</p>	<p><b>Shopping center/ shops:</b> There is no shopping centers in the industrial zone however there are shopping centers located in close proximity            1) Big C Super Market: 15km from the industrial park            2) Metro Super Market: 15km from the industrial park</p>		
<p><b>Telecommunications:</b> Nomura Industrial park invested pipes for fitting cable system to each tenant. 3,000 lines.</p>	<p><b>Trucking distribution:</b> Not available.</p>	<p><b>Housing:</b> Not available.</p>		
<p><b>Standard factories:</b> Consist of four 4-storey blocks and two 2-storey blocks. NHIZ's ready-built factories are fully fitted with air-conditioning, ventilation and lighting system, which facilitate the tenants to have quick start-up and cost-efficient operation.</p>	<p><b>Bonded warehouse:</b> Not available.</p>	<p><b>Other – Safety and security:</b> There is one police station in the park.</p>		
		<p><b>Other-Banking:</b> There is one bank branch.</p>		

## Tenant List

Total Number of Firms	56
Total Number of Japanese Firms	44
Remarks on Tenant List	None

Country of Origin	Company Name	Type of Business/Industry	Number of Staff in Industrial Park	Facilities in Industrial Park	Capital Invested in Industrial Park
China	BaoPhat Garment Development VietNam Co.,Ltd	Manufacture of textiles	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	USD 24 million
China	Korg VietNam Ltd	Other manufacturing	317	Could not be confirmed through park operator or public information.	USD 3.5 million
China	Taiwan Fong Tai Paper Co.,Ltd	Manufacture of paper	186	Could not be confirmed through park operator or public information.	USD 1.5 million
Japan	Advanced Technology HaiPhong Co.,Ltd	Manufacture of electrical equipment	73	Could not be confirmed through park operator or public information.	USD 1.9 million
Japan	Akita Oil Seal VietNam Co.,Ltd	Manufacture of rubber and plastics products	58	Could not be confirmed through park operator or public information.	USD 3 million
Japan	Asty VietNam Inc	Manufacture of wearing apparel	399	Could not be confirmed through park operator or public information.	USD 4 million
Japan	Citizen Machinery VietNam Limited Company	Manufacture of rubber and plastic products	107	Could not be confirmed through park operator or public information.	USD 13 million
Japan	Daiichi Orimono VietNam Co.,Ltd	Manufacture of textiles	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	USD 721,000
Japan	Daiko Rubber VietNam Co.,Ltd	Manufacture of machinery and equipment	210	Could not be confirmed through park operator or public information.	USD 5 million
Japan	EBA Machinery Corporation	Manufacture of vehicles	282	Could not be confirmed through park operator or public information.	USD 27 million
Japan	Fuji Mold VietNam Co.,Ltd	Manufacture of rubber and plastics products	295	Could not be confirmed through park operator or public information.	USD 3.12 million
Japan	Fuji Seiko VietNam Co.,Ltd	Manufacture of motor vehicles	3	Could not be confirmed through park operator or public information.	USD 625,000
Japan	Fujikura Composite HaiPhong INC	Other manufacturing	462	Could not be confirmed through park operator or public information.	USD 13.5 million
Japan	Hiroshige VietNam Corp.	Manufacture of machinery and equipment	81	Could not be confirmed through park operator or public information.	USD 2.4 million
Japan	Hop Think Co.,Ltd	Manufacture of textiles	306	Could not be confirmed through park operator or public information.	USD 3.3 million
Japan	Iko Thompson VietNam Co.,Ltd	Manufacture of machinery and equipment	227	Could not be confirmed through park operator or public information.	USD 69 million
Japan	Kokuyo VietNam Co.,Ltd	Manufacture of machinery and equipment	492	Could not be confirmed through park operator or public information.	USD 26 million
Japan	Kokuyo VietNam Trading Co.,Ltd	Manufacture of machinery and equipment	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	USD 2 million
Japan	Konya Paper VietNam Co.,Ltd	Manufacture of paper	33	Could not be confirmed through park operator or public information.	USD 7.4 million
Japan	Lhit Lab VietNam INC	Manufacture of machinery and equipment	350	Could not be confirmed through park operator or public information.	USD 6 million
Japan	Maiko HaiPhong Co.,Ltd	Manufacture of computer, electronic and optical products	111	Could not be confirmed through park operator or public information.	USD 2.7 million
Japan	Medikit VietNam Co.,Ltd	Other manufacturing	385	Could not be confirmed through park operator or public information.	USD 11 million
Japan	Meihotech VietNam Inc	Manufacture of machinery and equipment	14	Could not be confirmed through park operator or public information.	USD 828,986
Japan	Nichias HaiPhong Co.,Ltd	Manufacture of machinery and equipment	247	Could not be confirmed through park operator or public information.	USD 11 million
Japan	Nippon Kodo VietNam INC	Other manufacturing	86	Could not be confirmed through park operator or public information.	USD 4.2 million
Japan	Nishishiba VietNam Co.,Ltd	Manufacture of machinery and equipment	21	Could not be confirmed through park operator or public information.	USD 1 million
Japan	Nissei Eco VietNam Co.,Ltd	Manufacture of rubber and plastics products	46	Could not be confirmed through park operator or public information.	USD 2 million
Japan	OHK HaiPhong Co., Ltd.	Manufacture of fabricated metal product	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	USD 7.1 million
Japan	Ojtex HaiPhong Co.,Ltd	Manufacture of chemicals and chemical products	435	Could not be confirmed through park operator or public information.	USD 30 million
Japan	Rayho VietNam Co.,Ltd	Other manufacturing	158	Could not be confirmed through park operator or public information.	USD 4 million
Japan	Rorze Robotech Co.,Ltd	Manufacture of electrical equipment	493	Could not be confirmed through park operator or public information.	USD 46 million
Japan	SIK Vietnam Co.,Ltd	Manufacture of chemicals and chemical products	223	Could not be confirmed through park operator or public information.	USD 20 million
Japan	Sougou VietNam Co.,Ltd	Manufacture of electrical equipment	467	Could not be confirmed through park operator or public information.	USD 560,000
Japan	Sumbubber VietNam Co.,Ltd	Manufacture of rubber and plastics products	534	Could not be confirmed through park operator or public information.	USD 10 million
Japan	Sumida Electronic VietNam Co.,Ltd	Manufacture of computer, electronic and optical products	1014	Could not be confirmed through park operator or public information.	USD 10 million
Japan	Synztec VietNam Co.,Ltd	Manufacture of machinery and equipment	1170	Could not be confirmed through park operator or public information.	USD 60 million
Japan	Takahata Precision VietNam Co.,Ltd	Manufacture of computer, electronic and optical products	492	Could not be confirmed through park operator or public information.	USD 13 million
Japan	Tetsugen VN Co.,Ltd	Manufacture of chemicals and chemical products	27	Could not be confirmed through park operator or public information.	USD 1.5 million
Japan	Tohoko Pioneer VietNam Co.,Ltd	Manufacture of electrical equipment	2583	Could not be confirmed through park operator or public information.	USD 55 million
Japan	Toyoda Gosei HaiPhong Co.,Ltd	Manufacture of motor vehicles	3197	Could not be confirmed through park operator or public information.	USD 75 million
Japan	Toyota Boshoku Hai Phong Ltd	Manufacture of motor vehicles	344	Could not be confirmed through park operator or public information.	USD 60 million
Japan	VietNam Arai Company Limited	Manufacture of motor vehicles	343	Could not be confirmed through park operator or public information.	USD 8.3 million
Japan	Vietnam Kyoritsu Co., Ltd.	Manufacture of machinery and equipment	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	USD 2 million
Japan	VietNam Kyoritsu Co.,Ltd	Manufacture of rubber and plastics products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	USD 2 million
Japan	Vina-Bingo Co.,Ltd	Manufacture of fabricated metal product	94	Could not be confirmed through park operator or public information.	USD 4 million



Country of Origin	Company Name	Type of Business/Industry	Number of Staff in Industrial Park	Facilities in Industrial Park	Capital Invested in Industrial Park
Japan	Yanagawa Seiko VietNam Co.,Ltd	Manufacture of machinery and equipment	531	Could not be confirmed through park operator or public information.	USD 28 million
Japan	Yoneda VietNam Co.,Ltd	Manufacture of wearing apparel	233	Could not be confirmed through park operator or public information.	USD 4.8 million
Japan/Thailand	Hi-Lex VietNam Co.,Ltd	Manufacture of motor vehicles	406	Could not be confirmed through park operator or public information.	USD 11 million
Japan/Thailand	Johoku HaiPhong Co.,Ltd	Manufacture of motor vehicles	1084	Could not be confirmed through park operator or public information.	USD 3.5 million
Japan/Thailand	Yazaki HaiPhong VietNam Ltd	Manufacture of motor vehicles	5379	Could not be confirmed through park operator or public information.	USD 33 million
Korea	I.K.C VINA CO.,LTD	Manufacture of rubber and plastics products	279	Could not be confirmed through park operator or public information.	USD 4 million
Netherlands	El-Tec VietNam Limited	Manufacture of machinery and equipment	32	Could not be confirmed through park operator or public information.	USD 1.5 million
Norway	Vinamarine Co.,Ltd	Manufacture of other transport equipment	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	USD 4.1 million
USA	Branch of GE VietNam Limited in Hai Phong	Manufacture of machinery and equipment	483	In 2010, GE has invest \$1 million to build one manufacturing plant.	USD 111 million
USA	Eco Industries VietNam Co.,Ltd	Manufacture of electrical equipment	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	USD 450,000
USA	PV.HaiPhong INC	Manufacture of fabricated metal product	236	Could not be confirmed through park operator or public information.	USD 50,123

**Vietnam – Dinh Vu Industrial Zone**  
**Industrial Park ID: XXVN38**

Infrastructure	Transport	Facilities	Rent	Information on Managing Association
<p><b>Electrical power supply:</b> The industrial park has two public power sources. The first is a 126 MVA electrical substation. The second is a center electrical substation (2 x 250 MVA), where phase 1 (250 MVA) is already in operation. Moreover, Dinh Vu Industrial park has 01 standby generator with capacity of 1 MVA. This Standby generator is owned by Dinh Vu Joint Stock Company. It's used for illuminating purposes and operating industrial park facilities only in case of power failure.</p> <p>Electrical connection fee is USD 20/KVA (minimum USD 15). Power price is according to government's regulation. Power management and power operating fee is USD 2 /KVA/month.</p>	<p><b>Road:</b> The main road is 68m wide and nearly 5.7km in length. There are escape work, water supply work, illuminator, communication system and greenery along the road. According to the design, this road consists of 2 transportation parts, external transport and internal transport. The external transport part connects with other transport system such as Road 356, Cross-Peninsula road. The internal transport part connects to the other surrounding areas. The external transport part (inter-regional connection) is located in center area with 4 traffic lane which divided in 2 separate directions. The width of center separator is 5m. The internal transport part is located next to 2 separate direction lanes of the external transport: the road for rudimentary also divides in 2 lanes. The external transport part is located in center of separator, for large vehicles, the internal transport part for rudimentary is backed to 2 sides. For the 34m roads, the total width of this Road is 34m (the small lane 8.0m, lane for car 7.5m, separator 3m, lane for car 7.5m, small lane 8.0 m). 31m roads consist of 2 lanes with the width of each lane 7.5m and 8 m for the width of each pavement. For 15m road, it consists of 2 lanes with the width of 7.5 m.</p>	<p><b>Restaurant/ canteen:</b> There are several restaurants out of the industrial park. The restaurants are  1) Hoa Tuyet (Hanayuko) Restaurant  Address: 303 To Hieu Str, Le Chan Dist, Hai Phong  Tel: +84 031 3 955 889  2) Chie Restaurant  Address: 38 Hoang Van Thu Str, Hai Phong  Tel: +84 031 3 821 018  3) Vu Lap Restaurant(specialized in seafood)  Address: No.7 Ngo Quyen Street, Hai Phong  Tel: +84 031 3 758 812  4) Vu Minh Restaurant  Address: Lach Tray Street, Hai Phong  Tel: +84 031 3 838 480  5) Van Tue Restaurant  Address: No. 1A Hoang Dieu, Hai Phong  Tel: +84 031 3 746 338  6) Van Van Restaurant  Address: No. 12 Tran Phu Str, Hai Phong  Tel: +84 031 3 686 788  7) Chen Restaurant  Address: No. 204 Quang Trung Str, Hong Bang Dist, Hai Phong  Tel: 0+84 31 3 831 777</p>	<p>Rental fees for general or complex industrial park ranges from USD 65-85/sq.m. The chemical and petrochemicals industrial area has rent fees that range from USD 85-120 / sq.m. The industrial park service fee is USD 0.08/sq.m/month.</p>	<p>Name and Address: Dinh Vu Industrial Zone JSC, 5th Floor Harbour View Tower, No 12 Tran Phu Street – Hai Phong City, Vietnam  Telephone: + 84 31 3836 169  Fax: + 84 31 3859 130  Email: info@dinhvu.com  Website: www.dinhvu.com</p>
<p><b>Water supply/ industrial water service:</b> Clean water is supplied by An Duong water plant with capacity of 12,500 cum/day (this will increase to 40,000 cum/day upon completion of the project). Underground water pipes to be used in main distribution network are cash-iron pipe and/or UPVC pipe with diameter from D150 to D500. This is publicly-owned infrastructure. Water price is VND 14,900/cum. Water connection fee is USD 10,000 for each connection time.</p> <p>There is a difference in supply for water for consumption and industrial water. Clean water connected with the city water source with capacity of 12,500 cum/day with future capacity of 40,000 cum/day. Raw water will be supplied from Dado River Source with capacity of 40,000 cum/day.</p>	<p>Railway: Not available.</p>	<p><b>Hospital/ medical service station:</b> There are no medical services available within the industrial park. However, there are hospitals in close proximity to the industrial park.  1) Viet Tien General Hospital  Address: No 1, Nha Thuong Str, Le Chan Dist, Hai Phong  Tel: +84 031 3 700 436  Over 900 resident hospital beds  2) Tan Phuoc Hospital of obstetrics and gynecology  Address: No 10, Ho Sen, Le Chan, Hai Phong  Reception: +84 0313 611 618 – 0313 611 115  Customer Service: +84 0313 611 618  Fax: +84 0313 611 619  Email: info@phusantamphuc.vn – Website: www.phusantamphuc.vn  3) International General Clinic  Address: No. 28 Nha Thuong Str. – Quận Lê Chân – Hai Phong.  Tel: +84 0313.955888/ 0313.950819 Fax: +84 0313.955887  To be equipped with modern equipment imported from Japan, USA, Spain.  4) Hai Phong International General Hospital (under construction)  Address: 124 Nguyen Duc Canh Str, Le Chan Dist., Hai</p>		
<p><b>Sewage system/ waste water treatment:</b> The industrial park has one water treatment plant (public) with capacity of 2,500cu.m effluent / day, estimated capacity of 12,500cu.m effluent/day upon completion of the project. Sewage treatment fee is USD 0.73/cu.m (based on 80% of water use, minimum VND 500,000/month). The company that manages the water treatment plant is Dinh Vu Industrial Zone JSC.</p>	<p><b>Port:</b> There are two jetties located within the industrial zone which can receive tankers of 10,000 DWT and 20,000 DWT. This is specially equipped for the petrochemicals industry. In addition, there is a modern 3-layer pipe rack system for handling liquid product. Jetty usage fee includes:  1) Bumping fee: USD 0.82/MT  2) Service fee: USD 129/hr (increasing adjustment according to annual CPI)  3) Cost of using pipe: USD12/sq.m</p>	<p><b>Shopping center/ shops:</b> There are no shopping centers available within the industrial park. However, there are hospitals in close proximity to the industrial park.  1) Parkson (TD Plaza)  Address: Plot 20A, Le Hong Phong Str, Hai Phong  2) Cat Bi Plaza  Address: No. 1 Le Hong Phong Str, Hai Phong  3) Big C Supermarket (next to Parkson)  Address: Block 1/20 Cross Road Urban Area Cat Bi Airport, Hai Phong  4) Coop Mart Hai Phong Supermarket  Address: No. No. 1 Le Hong Phong, Hai Phong  5) Hong Bang Supermarket  address: No. 2A Hong Bang Str, So Dau, Hai Phong</p>		
<p><b>Telecommunications:</b> Telecommunication transaction center 2000 Line Electronic Exchange 2000 numbers to be designed for the industrial park. ADSL High speed Internet access, cable and leased line service with transmission speed up to 2Mbps. These services are provided by private entities.</p>	<p><b>Trucking distribution:</b> All distributions centers are private.  1) Japan – Vietnam International Logistics Company  Address: Chua Ve, Ngo Quyen Dist, Hai Phong  Tel: +84 031 3765316 / 3765028. Fax: +84 031.3765130. Email: info@jvico.com.vn  2) Hai Phong Branch of Hung Dao Container JSC  Address: Plot 26, Range 2 Dong Hai 2 Commune, Hai An Dist, Hai Phong  Tel: +84 031. 3765.575 – Fax: +84 031. 3829.474  3) Vietnam Container JSC  Address : 11, Vo Thi Sau Str, Ngo Quyen, Hai Phong  Email : info@viconship.com  Tel: +84 031.3.836.705 Fax: +84 031.3.836.104  4) Hai Phong Branch of Viettrans JSC.  Branch Office Address: 208 Chua Ve Str.m Dong Hai Commune, Hai An District, Hai Phong Vietnam  Tel: +84 0313.765.819 Fax: +84 0313.765.821</p>	<p><b>Housing:</b>  There are no housing available within the industrial park. However, there are hospitals in close proximity to the industrial park.  1) Harbour View Hotel  address: No. 12 Tran Phu Str, Hai Phong  2) Sunflower International Village  Address: No. 1 Van Cao Str., Hai Phong  3) Thai Duong Plaza  Lot. 20A, Le Hong Phong Str, Hai Phong  4) Hai Phong DG Tower  address: No. 15 Tran Phu, Hai Phong  5) Pearl River Hotel  Address: Km8, Pham Van Dong Street, Hai Phong</p>		

<p><b>Standard factories: Not available.</b></p>	<p><b>Bonded warehouse:</b> All bonded warehouses are private.  1) Bonded Warehouse Viettrans Hai Phong  Address: 70 Le Lai, Hai Phong  2) Tradimexco Bonded Warehouse  Address: No. 2 Ngo Quyen, Hai Phong  3) VNT logistics Bonded Warehouse  Address: 208 Chua Ye Str, Dong Hai Commune, Hai An, Hai Phong  4) Bonded Warehouse of Hai Phong Commercial Construction JSC No.5  Address: 6 Nguyen Trai, Hai Phong  5) Bonded Warehouse at Nam Hai port (belongs to Gemadept Company)  Address: No. 201 Ngo Quyen Dist, Hai Phong</p>	<p><b>Other – Safety and security:</b> There is a police station in the industrial zone. It is also equipped with fire fighting installation meeting the international standard.</p>
		<p><b>Other – Banking:</b> There are ATM facilities in the park.</p>

## Tenant List

Total Number of Firms	41
Total Number of Japanese Firms	8
Remarks on Tenant List	None

Country of Origin	Company Name	Type of Business/Industry	Number of Staff in Industrial Park	Facilities in Industrial Park	Capital Invested in Industrial Park
Australia	Ptramasco	Manufacture of basic metals	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	USD 11 million
Australia	The Dinh Vu Steel JSC.	Manufacture of basic metals	Could not be confirmed through park operator or public information.	The company has a steel billet plant and a cast iron production plant.	USD 48 million
China	New Hope Co.,Ltd. Hanoi branch	Manufacture of food product	201	There is one 3,683 ha plant equipped with the most modern production line with a total investment of USD 3.8 million. The plant shall have an estimated output of 200,000 ton/year. This will be the third manufacturing base in Vietnam.	USD 8.5 million
China	SITC Dinh Vu Logistics Company Limited	Warehousing	Could not be confirmed through park operator or public information.	The Logistics Storage Yard is expected to be operated in 2013, with total storage capacity of 8,000 TEU.	USD 8 million
China/Japan	Soft Industrial Corporation	Manufacture of chemical product	Could not be confirmed through park operator or public information.	The investment of the company for its plant turns around USD 6.6 million. At full production the plant will process 24,000 tons of products to service detergent industry.	USD 6.6 million
France	Proconco	Manufacture of food product	Could not be confirmed through park operator or public information.	There are two production lines installed.	USD 10 million
Japan	Aureole Logistics of Chemical Inc	Manufacture of chemical product	Could not be confirmed through park operator or public information.	There are factories and warehouse to store chemical materials.	USD 3.7 million
Japan	Bridgestone Tire Manufacturing VietNam Limited Company	Manufacture of rubber product	11	Bridgestone Corp. invested in Bridgestone Vietnam with its plant of tire manufacturing in Dinh Vu industrial zone. The future plant shall be in land spanning 10243 ha. At full production the plant will manufacture 24,700 radial passenger car tires per day (target of first half of 2016). All finished products will be exported to overseas markets of Europe, North America and Japan. The 1st stage plant shall be finished in October 2013. The Plant shall create job opportunity of 1,900 people at full production capacity (target of first half of 2016).	USD 574.8 million
Japan	Idemitsu Lube VietNam Co.,Ltd	Manufacture of chemical product	Could not be confirmed through park operator or public information.	The factory produces lubricant from base oil and imported additives with a capacity of 30,000 tons/year.	USD 31.7 million
Japan	IHI Infrastructure Asia Ltd. Co.	Manufacture of basic metals	Could not be confirmed through park operator or public information.	The plant to be constructed is expected to become officially operational in early 2015 and will produce 6,000 tonnes of steel, 80,000 cubic metres of concrete and 90 machines every year. It will cover an area of 140,000 sqm.	USD 47.7 million
Japan	JX Nippon Oil & Energy Vietnam Co., Ltd.	Manufacturer of chemicals and chemical products	Could not be confirmed through park operator or public information.	The lubricant blending plant will be constructed on a 4 ha area after completing construction in October 2013, the plant will start commercial operation in early 2014 with an annual productivity of 36,000 tons and use about 100 employees. The plant's products will be provided for Japanese motorcycle and automobile manufacturers in Vietnam.	USD 47.7 million
Japan	Nakashima VietNam	Manufacture of other transport equipment	145	The factory was established in DVIZ with an annual capacity of 500 tons/day, on a land area of 4,484 ha.	USD 29.8 million
Japan	RK Engineering Co.,Ltd	Manufacture of machinery and equipment	36	The company has built its plant of high-pressure resistance tank, tank top, heatproof material and equipment with full capacity of 300 to 480 tons of products to service petrochemical industry, food industry, etc.	USD 14 million
Japan	Shin-Etsu magnetic Materials VietNam Co.,Ltd	Manufacture of basic metals	4	Shin-Etsu Magnetic Materials Vietnam Co., Ltd. (is subsidiary company of Shin-Etsu Chemicals from Japan) is involved in rare earth processing. One factory and one warehouse has been constructed. Production capacity shall reach 1,507 tons/year when the plant is in stable operation status. The plant is operated since early of 2013.	USD 31.5 million
Malaysia	Sepang Oshika Chemical Industrial Co.,Ltd	Manufacture of chemical product	6	The company is currently constructing a plant to import and produce formalin and other kinds of glue on an area of 1 ha with an investment capital of USD 8.4 million.	USD 8.4 million
Netherland	Shell VietNam Ltd., HaiPhong Branch	Manufacture of refined petroleum product	Could not be confirmed through park operator or public information.	The facility of the company is located on an area of 1.43 ha with the cargo throughput of approximately 30,000 cum/year	USD 10.9 million
Singapore	Chevron Lubricants VietNam Limited	Manufacture of refined petroleum product	Could not be confirmed through park operator or public information.	The plant covers 3 ha with a total investment of USD 14.5 million.	USD 14.9 million
Singapore	SITC- DINH VU Logistics Company Limited	Land transport	67	The company has built one logistics storage yard which is expected to be operated in 2013, with total storage capacity of 8,000 TEU.	USD 11 million
Vietnam	Branch of Vietnam Gas Corporation Vung Tau Gas JSC.	Warehousing	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	USD 8 million

Country of Origin	Company Name	Type of Business/Industry	Number of Staff in Industrial Park	Facilities in Industrial Park	Capital Invested in Industrial Park
Vietnam	Dinh Vu Port Petroleum Service JSC.	General Port	Could not be confirmed through park operator or public information.	Dinh Vu PTSC port is the deep port in the North of Vietnam with the total investment capital of up to VND 815 billion. Dinh Vu PTSC port was designed and constructed with the port length of 250m, possibly receiving vessels up to 20,000 DWT at full load, bigger vessel sizes lightened, other petroleum service vessels and the warehouse of 3,240 sqm and 64,965 sqm of general cargo yard and port logistics, traffic road, embankment to protect the shore, modern technology of cargo loading and unloading equipment. Dinh Vu PTSC port was designed to meet the loading and unloading capacity of 1.2 million ton/year. Construction was started in January 2008. Dinh Vu PTSC port was developed on the land plot adjacent to the water edge in Dinh Vu Industrial Zone.	USD 50.5 million
Vietnam	Petro Vietnam Oil Corporation	Manufacture of refined petroleum product	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	USD 18.2 million
Vietnam	Arpha	Transport via pipelines	30	The company has built one LPG distribution and bottling plant with total investment of USD 3 million. It was licensed by Hai Phong Processing Export Processing and Industrial Zone Authority on April 28, 2004 to develop the LPG distribution and bottling plant. The annual cargo throughput reaches 84,000 ton.	USD 3 million
Vietnam	F Gas Petroleum JSC	Manufacture of refined petroleum product	Could not be confirmed through park operator or public information.	There is one LPG and petroleum terminal.	USD 12 million
Vietnam	Fortune Nano Electrical Compnat	Manufacture of electrical equipment	Could not be confirmed through park operator or public information.	The company built a plant with production capacity of 20 million units per year, including of Steel frame lighting fixtures, electric box and tape.	USD 3 million
Vietnam	Green Logistics Center Sole-member Ltd. Co.	Land transport	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	USD 13.5 million
Vietnam	Ky Nguyen Transportation Company	Land transport	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	USD 3.1 million
Vietnam	Manh Hieu Commercial Ltd. Co.	Manufacture of refined petroleum product	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	USD 5 million
Vietnam	Minh Phuc Dinh Vu Sole Member Ltd., Co.	Warehousing	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	USD 1.5 million
Vietnam	Minh Quang	Manufacture of machinery and equipment	Could not be confirmed through park operator or public information.	The company built one of the biggest gas cylinder plant of north Vietnam with a surface of 1.5 ha.	USD 8.2 million
Vietnam	Petrolimex	Warehousing	Could not be confirmed through park operator or public information.	The company built a plant located on an area of 3 ha, with an investment budget of USD 6.4 million and has a cargo throughput of 150,000 ton/year.	USD 6.4 million
Vietnam	Petrovietnam Petrochemical and Textile Fiber Joint Stock Company	Manufacture of textiles	Could not be confirmed through park operator or public information.	The plant is constructed over 15 ha of land in Dinh Vu industrial zone, Cot Hai, Hai Phong. Capacity of factory is about 175,000 ton/year (equal to 500 ton/day including 400 ton of PSF, 50 ton of filament and 50 ton of chip). The purpose of this project is to use feed from refinery to produce polyester fiber.	USD 324.85 million
Vietnam	PV Northern gas	Transport via pipelines	Could not be confirmed through park operator or public information.	The company has one LPG terminal that has the capacity of up to 7,500 tons, in the area of 3.69 ha.	USD 12.2 million
Vietnam	SSC	Manufacture of basic metals	Could not be confirmed through park operator or public information.	The company has one factory and one warehouse to handle the cargo capacity of 200,000 ton/year.	USD 64.5 million
Vietnam	Thong Nhat Investment Joint Stock Company	Warehousing	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	USD 5 million
Vietnam	Tien Hung CO.,Ltd	Manufacture of food	Could not be confirmed through park operator or public information.	The factory is built in an area of 4 ha with the budget of approximately USD 5 million and it has an output of 90,000 ton/year.	USD 5 million
Vietnam	Tran Hong Quan Trading Company Limited	Manufacture of refined petroleum product	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	USD 4 million
Vietnam	Van Loc Liquid Petrol Gas Export - Import & Trade J.S.C	Manufacture of refined petroleum product	Could not be confirmed through park operator or public information.	The plant is built in the Petrochemical area of the DVIZ with USD 8.4 million budget.	USD 8.4 million
Vietnam	Viet Hai Shipping & Real properties Corp	Transport via pipelines	Could not be confirmed through park operator or public information.	The company possessed one LPG storage plant with the cargo throughput of 120,000 ton/year. The total investment is USD 8 million.	USD 8 million
Vietnam	Viet Thuong Fashion	Manufacture of wearing apparel	Could not be confirmed through park operator or public information.	The company has one factory and one warehouse.	USD 5 million
Vietnam	Vietnam harbor service and investment JSC.	Warehousing	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	USD 5 million
Vietnam	Vinachem	Manufacture of chemical product	Could not be confirmed through park operator or public information.	Vinachem built an ammoniac sulfate plant on an area of 3 ha with a total output capacity of 100,000 tons/year.	USD 6.6 million

**Vietnam – Do Son Industrial Zone**  
**Industrial Park ID: XXVN39**

Infrastructure	Transport	Facilities	Rent	Information on Managing Association
<p><b>Electrical power supply:</b> The national power system directly supplies electricity to enterprises in industrial zone, making this infrastructure public. The quality and capacity of electricity are stable 24 hours a day. A power machinery of 2,000 KVA ensures enough power supply for each enterprise. Providing 22kV electrical tension from 2 electrical substation: 110kV Do Son electrical substation and 110 kV Hai Phong 96. Standby power plant is not available. Power price: 1.278VND/KW (According to government regulation).</p>	<p><b>Road:</b> The main roads consist of 2 lanes and 34m in width. The internal road system, also two lanes, is slightly smaller at 21m in width. The internal road system is made of macadamized conforming to Vietnam H30 standard. The construction is done by private entities.</p>	<p><b>Restaurant/ canteen:</b> There are no restaurants in the industrial zone. However, there are restaurants located in shopping centers that are in close proximity</p> <ol style="list-style-type: none"> <li>1) 18 holes golf course is next to the industrial zone</li> <li>2) 4 Star Doson Resort Hotel and restaurants: 4km from the industrial zone</li> <li>3) 4 Star Pearl River Hotel: 8km from the industrial zone</li> <li>4) Other 4 Star Hotels such as Tray Hotel, Harborview Hotel: 15km from the industrial zone</li> </ol>	<p>Land rental is USD 60 sq.m/50 years (not including VAT), raw land fee is USD 0.06/sq.m/year and lease of standard factory fee is USD 4/sq.m/mth. However there are no more factories available for leasing at the moment. Management fees are USD 0.45 sq.m/month.</p>	<p>Name and Address: Haiphong Doson Industrial Zone Joint Venture Company, No. 310-312 Van Cao, Hai An District, Hai Phong</p> <p>Telephone: + 84 31 729760/ 61  +84 912 185 509 (Ms Vu Hoai Luu, Vietnamese and Chinese speaking)</p> <p>Fax: + 84 31 3729774</p> <p>Email: dosoniz@gmail.com</p> <p>Website: dosonindustrialzone.com.vn</p>
<p><b>Water supply/ industrial water service:</b> Water is supplied from the He River Water treatment plant (public owned infrastructure) with the capacity of 10,000 cum/day as to the standard of TCS05/BYT of the Health Ministry. In addition, the enterprise can save this fee if they use underground water source. Water price: 12,000VND/cum (According to government regulation). The industrial park's water is supplied from city's running water (unlimited source). Water source is not difference between water of consumption and industrial water.</p>	<p><b>Railway:</b> Not available.</p>	<p><b>Hospital/ medical service station:</b> Viet Tiep General Hospital ( includes Department of examining and treating for foreigners) is 16km away from the industrial zone.</p>		
<p><b>Sewage system/waste water treatment:</b> The Do Son Sewage treatment plant was completed in 2011 with the capacity of 1200 cu.m/day. Sewage system made up of steel pipes with 400 bridging to each enterprise. Collecting sewage standardized C-TCVN 5945 to sewage treatment factory. Then, when the post-treatment sewage meets the A level, it will be discharged to the environment. Sewage fees are US 0.6 /cu.m. This infrastructure is private. Sewage treatment fee: 12,675VND/m3 (not including VAT). Haiphong Doson Industrial Zone Joint Venture Company manages the water treatment plant.</p>	<p><b>Port:</b> Not available.</p>	<p><b>Shopping center/ shops:</b> There is no shopping centers in the industrial zone however there are shopping centers located in close proximity</p> <ol style="list-style-type: none"> <li>1) Big C Supermarket: 13km from the industrial zone</li> <li>2) Parkson Plaza: 13km from the industrial zone</li> </ol>		
<p><b>Telecommunications:</b> Using Hai Phong's fibre cable system. Communication system is advantaged including international transmission line ADSL. This infrastructure is public. Tenants will sign a contract directly with communication providers which provide communication network for the area of industrial park.</p>	<p><b>Trucking distribution:</b> Not available.</p>	<p><b>Housing:</b> There is no hotel in the industrial zone however there are hotels located in close proximity</p> <ol style="list-style-type: none"> <li>1) 4 Star Doson Resort Hotel and restaurants: 4km from the industrial zone</li> <li>2) 4 Star Pearl River Hotel: 8km from the industrial zone</li> <li>3) Other 4 Star Hotels such as Tray Hotel, Harborview Hotel: 15km from the industrial zone</li> </ol>		
<p><b>Standard factories:</b> Could not be confirmed through park operator or public information</p>	<p><b>Bonded warehouse:</b> Not available.</p>	<p><b>Other – Safety and security:</b> An anti-fire system is available along the internal road.</p>		
		<p><b>Other – Banking:</b> There are three transaction offices of banks and about 20 ATMS located in the park.</p>		

## Tenant List

<b>Total Number of Firms</b>	29
<b>Total Number of Japanese Firms</b>	2
<b>Remarks on Tenant List</b>	None

Country of Origin	Company Name	Type of Business/Industry	Number of Staff in Industrial Park	Facilities in Industrial Park	Capital Invested in Industrial Park
China	Holy Light Ltd. Co.	Machinery and equipment manufacturing	Could not be confirmed through park operator or public information.	Operations are ceasing.	USD 0.5 million
China	Vietnam Hung Long Ltd. Co.	Rubber and plastics product manufacturing	Could not be confirmed through park operator or public information.	Operations are ceasing.	USD 1 million
China	Aurora art Co., Ltd	Rubber and plastics product manufacturing	105	Could not be confirmed through park operator or public information.	USD 1 million
China	Borun Octg Co., Ltd Vietnam	Machinery and equipment manufacturing	57	Could not be confirmed through park operator or public information.	USD 3 million
China	Fong Ho Co.,Ltd	Machinery and equipment manufacturing	287	Could not be confirmed through park operator or public information.	USD 10 million
China	Haiphong Huafeng Plastic Co., Ltd	Rubber and plastics product manufacturing	32	Could not be confirmed through park operator or public information.	USD 5 million
China	Huade Holdings Ltd(Vietnam)	Machinery and equipment manufacturing	68	Could not be confirmed through park operator or public information.	USD 10 million
China	Liki Plastic Manufactory(Vietnam) Co., Ltd	Rubber and plastics product manufacturing	91	Could not be confirmed through park operator or public information.	The total amount of capital invested by 2012 is USD 5 million.
China	Nan I Precision Lasts Co., Ltd (Vietnam)	Manufacture of leather and related products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	USD 4.8 million
China	Sin Chi (Vietnam) Co., Ltd	Machinery and equipment manufacturing	263	Could not be confirmed through park operator or public information.	The total amount of capital invested by 2012 is USD 20 million.
China	Tian Jiao Vietnam Stationery Co., Ltd	Machinery and equipment manufacturing	158	Could not be confirmed through park operator or public information.	The total amount of capital invested by 2012 is USD 2,765 million.
China	Vietnam Hailong Synthetic Fiber Co.,Ltd	Manufacture of chemicals and chemical product	137	Could not be confirmed through park operator or public information.	USD 5.3 million
China	VietNam Huazhong Vehicles Co.,Ltd	Manufacture of motor vehicles	29	Could not be confirmed through park operator or public information.	USD 10 million
China	Vietnam Oread Fastener Ltd. Co.	Machinery and equipment manufacturing	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	USD 10 million
China	Vietnam Wan Li Stationery Co., Ltd	Machinery and equipment manufacturing	123	Could not be confirmed through park operator or public information.	USD 1 million
England	Becken Technology Develop(Vietnam) Co., Ltd	Manufacture of basic metals	15	Could not be confirmed through park operator or public information.	USD 20 million
England	Seething Vietnam Company Limited	Manufacture of leather and related products	343	Could not be confirmed through park operator or public information.	USD 5.4 million
Germany	Vietnam ICE Ltd. Co.	Machinery and equipment manufacturing	Could not be confirmed through park operator or public information.	Operations are ceasing.	USD 739,000
Hong Kong	Huge Gain Holdings Vietnam Limited	Printing and production of recorded media	42	Could not be confirmed through park operator or public information.	USD 27 million
Hong Kong	Vietnam Zhong Xin Ya Ltd. Co.	Rubber and plastics product manufacturing	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	USD 4 million
Japan	Livax Vietnam Co., Ltd	Manufacture of furniture	203	Could not be confirmed through park operator or public information.	USD 557,500
Japan	Miki Industry Vietnam Co., Ltd	Manufacture of motor vehicles	66	Could not be confirmed through park operator or public information.	USD 3.5 million
Korea	Vietnam Chung Yang Foods Co.,Ltd	Manufacture of food products	11	Could not be confirmed through park operator or public information.	USD 1 million
Mauritius	Lear Corporation(Vietnam) Limited	Manufacture of motor vehicles	52	Could not be confirmed through park operator or public information.	USD 200,000
Taiwan	Song Hao Investment Ltd. Co.	Rubber and plastics product manufacturing	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	USD 10 million
Taiwan	Cheng - V Ltd. Co.	Machinery and equipment manufacturing	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	USD 3.9 million
Taiwan	Vietnam Nan I Ltd. Co.	Machinery and equipment manufacturing	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	USD 8 million
USA	Vietnam Haiphong Hongyuan Machinery Manufactory Co.,Ltd	Machinery and equipment manufacturing	217	Could not be confirmed through park operator or public information.	USD 9 million
Vietnam	Haiphong Construction and Mechanics JSC.	Machinery and equipment manufacturing	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	USD 130,000

**Vietnam – Nam Cau Kien Industrial Zone**  
**Industrial Park ID: XXVN40**

Infrastructure	Transport	Facilities	Rent	Information on Managing Association
<p><b>Electrical power supply:</b> The power supply in the industrial park starts from 110KV. There is also 25 KV – 35 KV medium voltage lines to ensure the availability of power for each enterprises. Total electrical power capacity designed for the entire industrial park consists of 2 phases: Phase 1 40MVA, Phase 2 40MVA. Generally, power supply is continuous. In case of break-down, tenant operates standby generator itself. This infrastructure is all private. The operating company is Shinec Trading &amp; Manufacturing Joint Stock Company</p>	<p><b>Roads:</b> The main road consists of 2 lanes and is 30m wide. The internal road system has 4 lanes and has widths of either 25m, 17.5m, 16.5m or 10.5m. All the internal roads are concreted with 30 cm width. The width of street side ranges from 5 to 10m. The street side is used for green planting. These roads are all public.</p>	<p><b>Restaurant/ canteen:</b> Restaurants include Chi Ngoc restaurants, hotels and restaurants chain, rest houses in Deo Mountain Town and Quan Toan. The center of the city is 13 km from the industrial park, where there are chains of 3-5 star hotels, rest houses. Right next to the gate of the industrial park is chain of restaurants with capacity of maximum 500 guests, price ranges from common price to expensive.</p>	<p>Rental fee is USD 62 /sq.m/46 years and the management fee is USD 0.04 sq.m/mth.</p>	<p>Name and Address: Shinec Trading &amp; Manufacturing Joint Stock Company, 20 Ho Xuan Huong Street, Hong Bang District, Haiphong, Vietnam                      Telephone: + 84 31 3645990                      Fax: +84 31 3645686                      Email: info@shinec.com.vn                      Website: www.shinec.com.vn</p>
<p><b>Water supply/ industrial water service:</b> Clean water for individual usage and factory production is supplied at a maximum capacity of 20.000 cum/day, this clean water supply is especially used for tenants that have high quality water requirements in its production. Other tenants that do not have this requirement, can exploit the surface water source from canals. These canals have widths up to 30m and is unrestricted. These infrastructures are private. Water price: USD 0.85 /cum. The operating company is Shinec Trading &amp; Manufacturing Joint Stock Company.</p>	<p><b>Railway:</b> Not available.</p>	<p><b>Hospital/ medical service station:</b> There is no medical centers in the industrial zone however there are shopping centers located in close proximity                      1) Medical center of Hoang Dong Village, Lam Dong Village, Kien Bai Village, Thien Huong Village                      2) Hospital of Thuy Nguyen Rural District                      3) Viet Tiep General Hospital                      4) Hai Phong Hospital of obstetrics and gynecology                      5) International nursing hospital                      6) 1km from the industrial park is Center Hospital of Thuy Nguyen Rural District which have general treatment, can give first aid in case of emergencies occur at the industrial park                      7) 13km from the industrial park, City-oriented, is chain of Hai Phong hospitals which range from specialized hospitals to general hospitals</p>		
<p><b>Sewage system/ waste water treatment:</b> The industrial park sewage treatment system has a total capacity of 9600 cum/day. Phase 1 has finished, with capacity of 1000 cum/day. Discharging sewage pipe system is D400-D900. Sewage is treated through 2 steps. Step 1: Before discharging from a tenant factory, it must be qualified to the industrial park standard. Step 2: Before discharging from the industrial park to the environment, it must be qualified to the international standard. Sewage fee is USD 0.42 /cum. This infrastructure is private. Sewage treatment fee: USD 0.84 /cum. The operating company is Shinec Trading &amp; Manufacturing Joint Stock Company.</p>	<p><b>Port:</b> The wharf system is capable of loading and unloading cargo vessels up to 5,000 DWT tonnage. This system is integrated within the industrial park.</p>	<p><b>Shopping center/ shops:</b>                      There is no shopping centers in the industrial zone however there are shopping centers located in close proximity                      1) Big C Supermarket – Ngo Quyen – Hai Phong                      2) Metro Supermarket – Hong Bang – Hai Phong                      3) Song Gia golf course – Thuy Nguyen – Hai Phong</p>		
<p><b>Telecommunications:</b> Post and telecommunication Center Building has constructed right in the area of the industrial park. This center provides 1500 numbers, high speed ADSL with fibre cable system serving for tenants in the industrial park. This infrastructure is private. The operating company is Hai Phong Post Office</p>	<p><b>Trucking distribution:</b> At the moment, Nam Cau Kien industrial park does not have any trucking distribution center. Right after finishing the procedures of establishing bonded warehouses, the industrial park will establish its trucking distribution center.</p>	<p><b>Housing:</b> There're no accommodation for industrial park workers within the park at the moment. If the tenants want to build accommodation for their workers, the industrial park management board will support them.</p>		
<p><b>Standard factories: Not available.</b></p>	<p><b>Bonded warehouse:</b> At the moment, the industrial park uses the bonded warehouse of Hai Phong Port. Hai Phong Port is 13 km by land from the industrial park and 7km by river. Within the area of the industrial park, there are also terminals and bonded warehouses. However, these are under registration procedures at the moment.</p>			



## Tenant List

<b>Total Number of Firms</b>	17
<b>Total Number of Japanese Firms</b>	0
<b>Remarks on Tenant List</b>	None

Country of Origin	Company Name	Type of Business/Industry	Number of Staff in Industrial Park	Facilities in Industrial Park	Capital Invested in Industrial Park
China	Vinh Co Joint Venture Company	Manufacture of furniture	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	The total investment is estimated is 40 million.
China	Vinh Co interior manufacturing group JSC	Manufacture of furniture	Could not be confirmed through park operator or public information.	Under investment registration process	Could not be confirmed through park operator or public information.
Holland	Holland Pacific Marine Outfitting Ltd. Company	Manufacture of other transport equipment	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	USD 715,000
Korea	Songsan-Vinashin Co.,Ltd	Manufacture of other transport equipment	7	The company has built one factory that has the capacity of producing 1 million tonnes of steel per year.	The total investment is expected to Usd 50 million. In 2011, the company has spent USD 9 million investing in the park.
Vietnam	Viet Metal Joint Stock Company	Manufacture of basic metals	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	In 2011, the company has decided to invest USD 20 million to build factory and warehouse in the park.
Vietnam	Shinee Wood Furniture Joint Stock Company	Manufacture of furniture	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Vietnam	Sea Star Steel Joint Stock Company	Manufacture of basic metals	100-200	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Vietnam	Bac Hai Paper Co., Ltd	Manufacture of paper and paper products	50-100	The company has invested in a synchronous ink paper manufacturing system. The company's product has high quality and is used in the factory system with area of 6000 sq.m. machinery system has been initially used for manufacturing.	Could not be confirmed through park operator or public information.
Vietnam	ACE Wood Furniture Technology Joint Stock Company	Manufacture of furniture	450	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Vietnam	Viet Nhat Steel Joint Stock Company	Manufacture of basic metals	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Vietnam	Transport Material Equipment Supply Joint Stock Company	Manufacture of chemicals and chemical products	Could not be confirmed through park operator or public information.	In 2013, the company finished building one 1.5 ha factory and one trucking distribution centre for its production.	The total investment in the factory is approximately USD 1 million.
Vietnam	Dai Thang produce business development LLC	Waste collection, treatment and disposal activities	35	The company has a factory area of 180,000 sq.m. and invested in a system of toxic garbage treatment chain.	Could not be confirmed through park operator or public information.
Vietnam	Sao Bien steel JSC	Manufacture of basic metals	71	The company has a synchronous factory system, modern chain of machines and equipments.	Could not be confirmed through park operator or public information.
Vietnam	Transmeco JSC	Warehousing and support activities for transportation	30	The company has built the first storage system and asphalt distribution system in Hai Phong. These system located on a 1.5 ha area of land.	Could not be confirmed through park operator or public information.
Vietnam	Song Lam business construction JSC	Manufacture of other non-metallic mineral products	72	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.
Vietnam	Think Yuong production business LLC	Waste collection, treatment and disposal activities	Could not be confirmed through park operator or public information.	Under investment registration process	Could not be confirmed through park operator or public information.
Vietnam	Ngoc Tien business production LLC	Waste collection, treatment and disposal activities	Could not be confirmed through park operator or public information.	Under investment registration process	Could not be confirmed through park operator or public information.

**Vietnam – Trang Due Industrial Zone**  
**Industrial Park ID: XXVM41**

Infrastructure	Transport	Facilities	Rent	Information on Managing Association
<b>Electrical power supply:</b> 110/35 KV substation with designed capacity of 63MV x 2 (Max 126 MW) supplies power for the entire industrial park. This is private infrastructure. There is a 35 KV power network runs along the internal roads together with an illuminating system and this is public infrastructure. A substation (1000-1600 KVA) was invested by Trang Due Industrial Park (private enterprise) in order to supply power for tenants who lease factory. There is no Uninterrupted Power Supply in the premises.	<b>Road:</b> The center road has a width 32m and 1.045 m is completed. Branch roads have a width of 22.5m and total length of 2.914m in total. However 1.000m is under construction (this mainly surrounds the land blocks A+ B). The No.10 National highway runs through the industrial park. The roads was built and maintained by a public company.	<b>Restaurant/ canteen:</b> There is no restaurants in the industrial zone however there are restaurants located in close proximity serving diverse Vietnamese, Asia, Europe dishes.	Rental fee is VND 1.499,000/ sqm and lease of standard factory fee is VND 73.500/ sqm/ month.	Name and Address: Saigon – Hai Phong Industrial Park Corporation (SHC), Km 29, Highway No. 10, Le Loi Commune, An Duong Dist, Hai Phong  Telephone: +84 313 242 668  Fax: +84 313 589 263  Email: Could not be confirmed through park operator or public information.  Website: www.trangdue-ip.com.vn
<b>Water supply/ industrial water service:</b> Trang Due Industrial Park built 3.4km of pipeline for supplying clean water (0300-D150). The pipeline starts from Vat Cach water factory, then runs along industrial park road. This is private infrastructure. Water price: VND 15,000 /c.um.	<b>Railway:</b> Not available.	<b>Hospital/ medical service station:</b> There is medical services in the industrial zone however there are medical services located in close proximity 1) Viet Tiep Hospital: 15km from the industrial park, size of 100 hospital beds 2) An Duong Rural District Medical Center: 5km from the industrial hospital, size of 20 rooms		
<b>Sewage system/ waste water treatment:</b> The surface water drainage system is 3.9 km completed. The sewage treatment factory is under construction. These infrastructures are public. 3.5km of sewage pipes run under the industrial park's road.	<b>Port:</b> Not available.	<b>Shopping center/ shops:</b> There is no shopping centers in the industrial zone however there are shopping centers located in close proximity. Shopping centers, shops and housing are located in city centre and center of An Duong Rural District. This is 5-10km from the industrial park.		
<b>Telecommunications:</b> The communication system of the industrial park is mainly supplied by VNPT service. At the moment, VNPT has been investing a base transceiver station and undergrounding the entire fibre cable system.	<b>Trucking distribution:</b> Not available.	<b>Housing:</b> Not available.		
<b>Standard factories:</b> Not available.	<b>Bonded warehouse:</b> Not available.			

**Tenant List**

<b>Total Number of Firms</b>	15
<b>Total Number of Japanese Firms</b>	3
<b>Remarks on Tenant List</b>	The park is under construction and has no firm tenant list at the moment.

Country of Origin	Company Name	Type of Business/Industry	Number of Staff in Industrial Park	Facilities in Industrial Park	Capital Invested in Industrial Park
England	Hai Phong EH Animal nutrition Company	Manufacture of food products	Could not be confirmed through park operator or public information.	Area of rental land is 20sq.m	Could not be confirmed through park operator or public information.
Hong Kong	Vietnam Sweater Ltd. Co.	Manufacture of textiles	Could not be confirmed through park operator or public information.	Area of rental land is 29.516sq.m	USD 5 million investment capital implemented.
Japan	Gerebra Precision Ltd. Co.	Manufacturer of machinery and equipment	Could not be confirmed through park operator or public information.	Area of rental land is 8.93sq.m	USD 11 million investment capital implemented.
Japan	Korg Vietnam Korg Ltd. Co.	Manufacture of electrical equipment	Could not be confirmed through park operator or public information.	Area of rental land is 3,243sq.m	Could not be confirmed through park operator or public information.
Japan	Vietnam International Fashion Ltd. Co.	Manufacture of leather and related products	Could not be confirmed through park operator or public information.	Area of rental land is 15sq.m	USD 1.1 million investment capital implemented.
Korea	LG Vietnam LG Ltd. Co.	Manufacture of electrical equipment	Could not be confirmed through park operator or public information.	Area of rental land is 402.6sq.m	Could not be confirmed through park operator or public information.
Korea	Bucheon Vina Ltd. Co.	Manufacture of computer, electronic and optical products	Could not be confirmed through park operator or public information.	Area of rental land is 7,984sq.m	Could not be confirmed through park operator or public information.
Korea	Dongjin Techwin Vina Ltd. Co.	Manufacture of electrical equipment	Could not be confirmed through park operator or public information.	Area of rental land is 21,507sq.m	USD 4.5 million investment capital implemented.
Korea	Hanmiflexible Vina Ltd. Co.	Manufacture of electrical equipment	Could not be confirmed through park operator or public information.	Area of rental land is 47,183sq.m	USD 4.3 million investment capital implemented.
Vietnam	Asia plastic JSC.	Manufacturer of rubber and plastic products	Could not be confirmed through park operator or public information.	Area of rental land is 31,29sq.m	USD 1.63 million investment capital implemented.
Vietnam	Hoang Nam Ltd. Co.	Manufacture of wood and products of wood	Could not be confirmed through park operator or public information.	Area of rental land is 15sq.m	USD 4.289 million investment capital implemented.
Vietnam	No.2 Painting Company	Manufacture of chemicals and chemical products	Could not be confirmed through park operator or public information.	Area of rental land is 14,142sq.m	USD 0.96 million investment capital implemented.
Vietnam	Quynh Huong Ltd. Co.	Land transport and transport via pipelines	Could not be confirmed through park operator or public information.	Area of rental land is 10sq.m	Could not be confirmed through park operator or public information.
Vietnam	VLC Company	Manufacturer of rubber and plastic products	Could not be confirmed through park operator or public information.	Area of rental land is 20,098sq.m	USD 1.9 million investment capital implemented.
Vietnam	Thanh Binh Steel HTC	Manufacturer of basic metals	Could not be confirmed through park operator or public information.	Area of rental land is 15sq.m	Could not be confirmed through park operator or public information.

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**Vietnam – Trang Cat Industrial Zone**  
Industrial Park ID: XXVN42

Infrastructure	Transport	Facilities	Rent	Information on Managing Association
<b>Electrical power supply:</b> The park plans to use electricity provided by EVN with capacity of 110/22KV. It is unclear whether it will be equipped with UPS. This infrastructure is public.	<b>Road:</b> Internal roads will be 25 – 40m width, 2 to 4 lanes.	<b>Restaurant/ canteens:</b> There is no restaurants in the industrial zone however there are restaurants located in close proximity, Chi Ngoc restaurants, hotels and restaurants chain, rest houses in Deo Mountain Town, Quan Toan. The center of the city is 13 km from the industrial park. There are chains of 3-5 star hotels, rest houses.	The park is under construction and therefore has no rental fees.	Name and Address: Saigon – Hai Phong Industrial Park Corporation (SHC), Km 29, Highway No. 10, Le Loi Commune, An Duong Dist, Hai Phong OR Trang Cat Commune, Hai An District, Hai Phong  Telephone: +84 313 242 668  Fax: +84 313 589 263  Email: Could not be confirmed through park operator or public information.  Website: www.saigoninvest.com
<b>Water supply/ industrial water services:</b> Water will be supplied by Vat Cach Water Plant.	<b>Railway:</b> Not available.	<b>Hospital/ medical service station:</b> Not available.		
<b>Sewage system/ waste water treatment:</b> There are plans for a sewage treatment plant to be constructed in the Park. The plant will use the sewage treatment standard under QCVN 40:2011 / BTNMT provided by the Ministry of Natural Resource and Environment.	<b>Port:</b> Not available.	<b>Shopping center/ shops:</b> There are no shopping centers in the industrial zone however there are shopping centers located in close proximity park, but the following are available nearby: 1) Big C Supermarket – Ngo Quyen – Hai Phong 2) Metro Supermarket – Hong Bang – Hai Phong		
<b>Telecommunications:</b> Communication facility will be provided by Haiphong Post Office.	<b>Trucking distribution:</b> Transportation and logistic services are available by a number of providers such as Tan Cang Logistics, Vinatrans Logistics, T&A Viet Nam Logistics. These are private enterprises.	<b>Housing:</b> There is an area of 100 hectares near the park (within the urban development area) that is planned for housing construction.		
<b>Standard factories:</b> Not available.	Bonded warehouse: Not available.			

**Tenant List**

<b>Total Number of Firms</b>	0
<b>Total Number of Japanese Firms</b>	0
<b>Remarks on Tenant List</b>	The park is under construction and has no firm tenant list at the moment.

**Vietnam – Vietnam-Singapore Industrial Park (VSIP) Hai Phong**  
**Industrial Park ID: XXVN43**

Infrastructure	Transport	Facilities	Rent	Information on Managing Association
<p><b>Electrical power supply:</b> VSIP HP is in proximity to 2 power sources from EVN. The major source is the thermal power plant (Hai Phong 1 / Pha Lai). The other source is Bac Song Cam Substation 2 x 63 MVA: 110kV/22kV. It is a loop electrical network and hence more reliable. Both infrastructures are public.</p> <p>Power price: 1) High tension 22KV</p> <p>Power Connection Fee (Onetime payment): VND 420.000/ KVA</p>	<p><b>Road:</b> There are 2 centre lines which so-called North South line and East West Line. The East-West line starts from No.10 National highway (359 Street), has a length over 6km, width 90m, and has 8 lanes (4 lanes each side). This road divides the project into 2 separate parts: industrial park and urban area. The North-South Line has a length of over 5km, width 80m and has 10 lanes (5 lanes each side). Other branch roads are of two types - 56m Road with 6 lanes total and 26m Road with 4 lanes total.</p>	<p><b>Restaurant/ canteen:</b> There is no restaurant in the industrial zone however there are restaurants located in close proximity</p> <ol style="list-style-type: none"> <li>1) Song Gia Golf Resort: at Thuy Nguyen Dist. 8km from VSIP HP</li> <li>2) Kamitoyo: Taiwanese restaurant, at Thuy Nguyen Dist.</li> <li>3) Gia Vien: 6km from VSIP HP</li> <li>4) Lots of Japanese, Korean, Hongkong restaurants located in Hai Phong city center. VSIP HP is 6km from city center.</li> </ol>	<p>Rental fees are VND 1.800.000/eqm with a land use right valid up to 2058. Lease of standard factory fee is VND 115.500/ sq.m/mth. Management fees are VND 1.470/eqm/mth. One time connection fee (legal fee, Land lease agreement, notary fee, connection charges for water &amp; sewer, survey fee, building plan submission fee, etc.) is VND 136.500.000. All prices are exclusive of VAT.</p>	<p>Name and Address: VSIP Hai Phong Co., Ltd, No. 175, Road 359, Pho Moi, Tan Duong Commune, Thuy Nguyen Dist, Hai Phong.</p> <p>Telephone: +84 313 959 868</p> <p>Fax : +84 313 959 886</p> <p>Email: Could not be confirmed through park operator or public information.</p> <p>Website: www.vsip.com.vn</p>
<p><b>Water supply/ industrial water service:</b> Water is supplied to enterprises in the industrial park via a publicly-owned system. The water treatment plant ensures the water supply quality meets WHO standards. The water system is designed for two requirements – domestic and industrial consumption, and fire protection requirement. The capacity of the water system is 5,000 cum/day at phase 1. Total capacity will be at 69,000 cum/day. Water price: VND 12.600/cum. VSIP Hai Phong Co., Ltd is the operating company.</p>	<p><b>Railway:</b> Not available</p>	<p><b>Hospital/ medical service station:</b> There are no medical services in the industrial zone however there are medical services located in close proximity</p> <ol style="list-style-type: none"> <li>1) Thuy Nguyen hospital: Located in Thuy Nguyen dist, Hai Phong city</li> <li>2) Vietnam-Czech Friendship hospital: Le Chan Dist.</li> <li>3) Hai Phong Maternity hospital: Hong Bang Dist.</li> <li>4) Hai Phong Medical University hospital: Ngo Quyen Dist.</li> <li>5) Hai Phong International Hospital: Le Chan Dist.</li> <li>6) Hai Phong Consumption Hospital: Kien An Dist.</li> <li>7) Hai Phong Mental Hospital: Ngo Quyen Dist.</li> <li>8) Hai Phong Hospital of Pediatrics: Kien An Dist.</li> <li>9) Hong Phuc Private General Hospital: Hong Bang Dist.</li> <li>10) Medical center of Hong Bang District: Hong Bang Dist.</li> <li>11) Vietnam National Institute of Maritime Medicine: Le Chan Dist.</li> <li>12) Medical center: Hong Bang Dist.</li> <li>13) Van Cao Private General Hospital: Ngo Quyen Dist.</li> </ol>		
<p><b>Sewage system/ waste water treatment:</b> VSIP HP has a dedicated sewer system to bring domestic sewage and treated liquid effluents to a sewage treatment plant. The whole system is designed to work on gravity flow and complies with the Vietnam Code of Practice. The treatment plant is a bio-filter system, which will treat the effluent to standard required by the Vietnamese Authorities before discharge to the water course. The system will comply with the Vietnamese standard QCVN24:2009/ BTNMT. Capacity: phase 1: 4.500 cum/day (total 39.000cum/day). This infrastructure is public. Sewage treatment fee: VND 4.410/cum (based on 80% water consumption). VSIP Hai Phong Co., Ltd is the operating company.</p>	<p><b>Port:</b> Not available.</p>	<p><b>Shopping center/ shops:</b> There is no shopping centers in the industrial zone however there are shopping centers located in close proximity</p> <ol style="list-style-type: none"> <li>1) Big C: 10km from VSIP HP, next to TD Plaza. On the way to Cat Bi Airport</li> </ol>		
<p><b>Telecommunications:</b> The design of the telecommunications network shall be carried out by the Telecom supplier of VSIP HP (VNPT – Vietnam Post and Telecommunications Group). For telecommunication needs, lessee shall apply directly to VNPT. This is private infrastructure. VNPT is the operating company.</p>	<p><b>Trucking distribution:</b> A trucking distribution center has not yet been included. VSIP is planning a Logistic Hub in one part of VSIP area. Up to now, over 10 international and Vietnam logistics companies has explored on VSIP Hai Phong.</p>	<p><b>Housing:</b> There is no accommodations in the industrial zone however there are accommodations located in close proximity</p> <ol style="list-style-type: none"> <li>1) TD Plaza (apartment for sales &amp; lease)</li> <li>2) Song Gia Golf Resort: apartment for sales &amp; lease</li> <li>3) Sunflower International Village: apartment for sales &amp; lease</li> <li>4) DG-Tower: apartment for lease</li> <li>5) H-tower: apartment for lease</li> <li>6) Camela Hotel &amp; Resort: apartment for lease</li> <li>7) Trang Thanh Apartment: apartment for lease</li> </ol>		
<p><b>Standard factories:</b> VSIP has 4 standard factories which total land area of approximately 17.000 sq.m over total area of 40.000 sq.m of the industrial park.</p>	<p><b>Bonded warehouse:</b> Not yet included. VSIP is now negotiating for building a bonded warehouse in VSIP Hai Phong with a foreign partner.</p>			

### Tenant List

<b>Total number of firms</b>	16
<b>Total number of Japanese firms</b>	9
<b>Remarks on Tenant List</b>	None

Country of Origin	Company Name	Type of Business/Industry	Number of Staff in Industrial Park	Facilities in Industrial Park	Capital Invested in Industrial Park
Hong Kong	Haiphong Broadband Equipment Co., Ltd	Manufacture of electrical equipment	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	USD 7 million
Japan	Fujirex Hai Phong Co., Ltd	Manufacture of electrical equipment	40 (Target to recruit 300-500 workers in end of July this year)	Factory and office building under construction, expected to finish in Sep 2013.	USD 119 million
Japan	Iiyama Seiki Vietnam Co., Ltd.	Manufacture of machinery and equipment	25	Leasing 1 unit of RBF for operation	USD 2.5 million
Japan	JFE Shoji Steel Hai Phong Co., Ltd	Manufacture of basic metals	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	USD 14 million
Japan	Kyocera Document Technology Vietnam Co.,Ltd	Manufacture of machinery and equipment	650	Factory and office building were finished. Production lines are put into operation.	USD 187 million
Japan	Mochizuki Press Viet Nam Co., Ltd	Manufacture of motor vehicles, trailers and semi-trailers	12	Leasing 1 unit of RBF for operation	USD 0.9 million
Japan	Nippon Pumps Vietnam Co., Ltd	Manufacture of machinery and equipment	10	Factory and office building under construction, expected to finish end of 2013.	USD 250 million
Japan	Nishina Industry Vietnam Co., Ltd	Manufacture of machinery and equipment	35	Leasing 2 unit of RBF for operation	USD 12 million
Japan	Y-Tec Vietnam Co., Ltd	Manufacture of motor vehicles, trailers and semi-trailers	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	USD 84 million
Japan	zeon Manufacturing Vietnam Co., Ltd	Manufacture of metal fabricated products	175	Factory and office building were finished. Production lines are put into operation.	USD 25 million
Malaysia	Kein Hing Industry Vietnam Co., Ltd.	Manufacture of computer, electronic and optical products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	USD 20 million
Poland	Instanta Vietnam Co., Ltd	Manufacture of food products	35	Leasing 1 unit of RBF for operation	USD 1.5 million
Singapore	Kingplastic Co., Ltd	Manufacture of rubber and plastics products	Could not be confirmed through park operator or public information.	Could not be confirmed through park operator or public information.	USD 7.3 million
Singapore/ Vietnam	Branch of VSIP JV	Construction of buildings	Could not be confirmed through park operator or public information.	5 unit RBFs was built and fully occupied. Other RBFs will be built soon.	Over USD 7 million
Vietnam	Binh Duong Trade and Development JSC	Construction of buildings	Could not be confirmed through park operator or public information.	infrastructure under construction	Could not be confirmed through park operator or public information.

**A 3**

**Natural Disaster Records**

A3.1 Flood

No.	Country	Cause	Disaster Start			Disaster End			Damage				Affected Region	Reference	Location		
			Year	Month	Day	Year	Month	Day	Killed	Affected People	Amount (Million US\$)	Amount/GDP-PPP (%)			Latitude	Longitude	Flood Magnitude
1	Brunei	General	2012	12	3								Whole	GLIDE			
2	Brunei	General	2010	12	14								Whole	GLIDE			
3	Brunei	General	2010	9	9								Whole	GLIDE			
4	Brunei	General	2010	1	14								Whole	GLIDE			
5	Brunei	General	2009	1		2009	2			0.009	0	Whole	GLIDE				
6	Brunei	General	2009	1		2009	2			0.051	0	Whole	GLIDE				
7	Brunei	General	2009	1	21					0.051	0	Whole	GLIDE				
8	Brunei	General	2008	2	9							Whole	GLIDE				
9	Brunei	General	2007	12	23							Whole	GLIDE				
1	Cambodia	General	2011	8	10	2011	11	1	247	1,640,023	521,000	1.541	Whole	EM-DAT			
2	Cambodia	General	2010	10	20	2010	11	9	8		70,000	0.226	Whole	EM-DAT			
3	Cambodia	Flash	2010	10	15	2010	10	15					Whole	GLIDE			
4	Cambodia	Flash	2010	10	11	2010	10	17	6	31,505	70,000	0.226	Whole	GLIDE			
5	Cambodia	Flash	2009	9	4	2009	9	10	13	28,645			Whole	GLIDE			
6	Cambodia	Flash	2008	9	15	2008	9	23					Whole	GLIDE			
7	Cambodia	General	2007	8	10	2007	8	24	2	19,000	1,000	0.004	Whole	EM-DAT	105.882	13.28	6.1
8	Cambodia	Flash	2007	5		2007	8		5	80,540			Whole	GLIDE			
9	Cambodia	General	2006	8	10	2006	11	1	5	33,000			Whole	EM-DAT	104.675	11.062	7.1
10	Cambodia	General	2006	7	6	2006	7	7		5,000			Whole	EM-DAT			
11	Cambodia	General	2005	9	8	2005	9	29	16				Whole	EM-DAT			
12	Cambodia	General	2004	8	24	2004	10	21					Whole	EM-DAT	105.824	10.318	6.4
13	Cambodia	General	2002	8	18	2002	11	26	29	1,470,000	0.100	0.001	Whole	EM-DAT	103.527	16.772	7.9
14	Cambodia	General	2001	8	15	2001	11	19	56	1,669,182	15,000	0.118	Whole	EM-DAT	105.382	11.768	7.2
15	Cambodia	Monsoonal	2000	8	28	2000	9	1	1,139	6,574,000	782,000	6.794	Whole	PRCC	106.195	11,544	6.3
16	Cambodia	General	2000	7	11	2000	8	10	347	3,448,053	160,000	1.39	Whole	EM-DAT			
17	Cambodia	Dam Break	2000	3	3	2000	3	4	3				Whole	PRCC	106.939	13,719	4.4
18	Cambodia	General	1999	10	25	1999	11	9		124,475			Whole	EM-DAT			
19	Cambodia	General	1999	8	2	1999	8	8	7	535,904	0.500	0.005	Whole	EM-DAT	106.09	13,433	6.1
20	Cambodia	General	1996	9	30	1996	11	3	59	1,300,000	1.500	0.019	Whole	EM-DAT	105.076	13,986	6.3
21	Cambodia	Monsoonal	1995	9	18	1995	10	2		1,348			Whole	PRCC	105.709	16,542	6
22	Cambodia	General	1994	7	31	1994	7	31	506	29,000			Whole	EM-DAT			
23	Cambodia	General	1991	8	22	1991	8	30	100	900,000	150,000	2.821	Whole	EM-DAT	105.268	11,537	5.7
1	Indonesia	Flash	2012	11	7	2012	11	9	18				Sulawesi	EM-DAT			
2	Indonesia	Flash	2012	9	12	2012	9	12		1,150			West Sumatera	EM-DAT			
3	Indonesia	Flash	2012	8	25	2012	8	25	4	1,045			Sulawesi	EM-DAT			
4	Indonesia	General	2012	7	31	2012	8	1	11	599			Seram	EM-DAT			
5	Indonesia	Torrential	2012	7	20	2012	7	23		586			Sulawesi	PRCC	122.436	0.782	4.5
6	Indonesia	Torrential	2012	3	4	2012	3	7	5				Kalimantan	PRCC	116.093	-3.184	4.3
7	Indonesia	Torrential	2012	2	20	2012	2	27		1,200			W. Sumatera, C. Java	PRCC	103.416	-2.586	6.2
8	Indonesia	Torrential	2012	2	12	2012	2	14		6,800			West Java	PRCC	106.658	-6.319	4.6
9	Indonesia	Torrential	2012	1	27	2012	1	29	6	3,000			East Java	PRCC	112.51	-7.483	4.5
10	Indonesia	General	2011	12	18	2011	12	22	10	54			Central Java	EM-DAT	110.236	-7.38	4.6
11	Indonesia	Torrential	2011	12	12	2011	12	17		42			Sulawesi	PRCC	120.008	-0.914	3.9
12	Indonesia	Heavy rain	2011	11	27	2011	11	30		500			West Sumatera	PRCC	100.378	1.699	4.7
13	Indonesia	Torrential	2011	4	23	2011	4	25		1,800			Timor	PRCC	124.355	-9.709	4.5
14	Indonesia	General	2011	4	1	2011	4	10	18	3,000			Papua	EM-DAT	137.834	-4.391	5.4
15	Indonesia	Heavy rain	2011	3	31	2011	4	1		400			North Sumatera	PRCC	98.973	3.33	4.7
16	Indonesia	General	2011	3	17	2011	3	31	13	3,000			Papua	EM-DAT			
17	Indonesia	General	2011	3	10	2011	3	11	21	750			North Sumatera	EM-DAT	97.099	4.211	5.1
18	Indonesia	Torrential	2011	2	24	2011	2	26		4,000			East Java	PRCC	115.087	-8.414	4.3
19	Indonesia	Flash	2011	2	6	2011	2	7		1,060			Central Java	EM-DAT			
20	Indonesia	General	2011	1	16	2011	1	20		12,000			West Java	EM-DAT	108.26	-6.844	4.5
21	Indonesia	Flash	2010	11	2	2010	11	5	16	200			Timor	EM-DAT	121.614	-8.672	5
22	Indonesia	Flash	2010	10	2	2010	10	6	291	13,248	76,000	0.007	Sulawesi	EM-DAT	132.811	-1.224	5.4
23	Indonesia	General	2010	9	11	2010	9	11	24				Kalimantan	EM-DAT			
24	Indonesia	General	2010	7	23	2010	7	25	21	15,007			Buru	EM-DAT	114.972	-2.141	5.5
25	Indonesia	Heavy rain	2010	5	8	2010	5	10					Sulawesi	PRCC	121.994	-3.876	4.9
26	Indonesia	Heavy rain	2010	4	16	2010	5	2					South Kalimantan	PRCC	113.972	-2.682	6.2
27	Indonesia	Torrential	2010	3	24	2010	3	28		25,000			West Java, Sumatera	PRCC	104.787	-4.447	5.7
28	Indonesia	General	2010	2	23	2010	3	1	44	100			West Java	EM-DAT			
29	Indonesia	General	2010	1	22	2010	1	22	10	355			Sulawesi	EM-DAT			
30	Indonesia	General	2010	1	11	2010	1	11	5	28,500			East Java	EM-DAT			
31	Indonesia	Flash	2009	12	8	2009	12	8	6	704			North Sulawesi	EM-DAT			
32	Indonesia	Flash	2009	10	8	2009	10	8		2,500			Central Sulawesi	EM-DAT			
33	Indonesia	Flash	2009	9	15	2009	9	18	38	10,000			North Sumatera, Sulawesi	EM-DAT	98.593	2.891	5.3
34	Indonesia	Heavy rain	2009	4	17	2009	4	27		20,000			East Kalimantan	PRCC			
35	Indonesia	Torrential	2009	3	30	2009	3	31		1,000			West Sumatera	PRCC	106.364	-6.5542	4.6
36	Indonesia	General	2009	3	26	2009	3	27	64	1,600			West Java	EM-DAT			
37	Indonesia	Heavy rain	2009	2	23	2009	3	9	1	20,000			East Java	PRCC			
38	Indonesia	Flash	2009	1	27	2009	2	2	18	12,000			East Java, Sulawesi	EM-DAT	113.773	3.345	5.5
39	Indonesia	General	2008	12	26	2009	1	12	24	15,000			West Lombok	EM-DAT			
40	Indonesia	General	2008	11	15	2008	11	16	33	84,420			West Java	EM-DAT			
41	Indonesia	General	2008	10		2008	10		5	11,000			Central Java, Sulawesi	EM-DAT			
42	Indonesia	General	2008	9	6	2008	9	8	16	118,000	1.080	0	Sulawesi, North Sumatra	EM-DAT	122.521	0.682	4.6
43	Indonesia	Flash	2008	7	11	2008	7	11	1	2,800			Kalimantan	GLIDE			
44	Indonesia	General	2008	7	9	2008	7	10	1				C. Sulawesi, E. Kalimantan	PRCC	116.237	-1.675	5.3
45	Indonesia	Flash	2008	4	23	2008	4	27		34,514			North Sumatera	EM-DAT	95.773	4.649	4.3
46	Indonesia	General	2008	3	10	2008	4	3		60,000			West Sumatera	EM-DAT	101.782	0.538	6.3
47	Indonesia	General	2008	3	1	2008	3	14	3	12,000			East Java	EM-DAT	112.368	-7.127	5.8
48	Indonesia	Heavy rain	2008	2	14	2008	3	14		10,000			W to E Java (Jakarta)	PRCC	107.286	-6.261	5.5
49	Indonesia	General	2008	2	11	2008	2	27	11	3,500			Central Java,	EM-DAT	119.511	-9.653	5.3
50	Indonesia	Flash	2008	2	8	2008	2	12	14	7,000			East Java	EM-DAT	113.998	-7.739	3.3
51	Indonesia	General	2008	2	1	2008	2	6	3	89,761			West, East, Central Java	EM-DAT	106.845	-6.189	3.4
52	Indonesia	General	2008	1	30	2008	1	31	3	40,000	0.653	0	East Java	EM-DAT	112.908	-7.708	3.8
53	Indonesia	General	2008	1	2	2008	1	6		1,000			West Java	EM-DAT	106.828	-6.225	4
54	Indonesia	Heavy rain	2007	12	25	2008	1	3	153	50,000			East to Central Java	PRCC	111.333	-7.542	5.9
55	Indonesia	General	2007	12	25	2007	12	29	127	269,515			Central Java	EM-DAT	100.616	-0.686	4.6
56	Indonesia	Heavy rain	2007	12	17	2007	12	24		4,500			Sulawesi	PRCC	123.06	0.611	4
57	Indonesia	Heavy rain	2007	10	18	2007	10	31		3,300			North Kalimantan	PRCC	97.222	3.518	5.8
58	Indonesia	Heavy rain	2007	9	2	2007	9	4	4	1,000			Kalimantan	EM-DAT	116.716	-1.076	4.2
59	Indonesia	General	2007	7	28	2007	8	10		3,000			Maluka to Timor	PRCC	128.141	-0.641	4.3
60	Indonesia	General	2007	7	25	2007	8	2	15	2,000			Timor	EM-DAT	120.198	-3.28	4.3
61	Indonesia	General	2007	7	22	2007	8	7	88	3,389			Sulawesi	EM-DAT	97.514	2.961	4.5
62	Indonesia	General	2007	7	17	2007	7	30	58	5,000			Sulawesi	EM-DAT	121.488	-1.74	4.8</

## A3.1 Flood

No.	Country	Cause	Disaster Start			Disaster End			Damage				Affected Region	Reference	Location		
			Year	Month	Day	Year	Month	Day	Killed	Affected People	Amount (Million US\$)	Amount/GDP-PPP (%)			Latitude	Longitude	Flood Magnitude
76	Indonesia	Heavy rain	2006	6	24	2006	6	26	41	3,000			South Kalimantan	EM-DAT			
77	Indonesia	General	2006	6	23	2006	6	27		5,000			North Sulawesi	EM-DAT	123.009	0.545	3.6
78	Indonesia	Flash	2006	6	19	2006	6	23	236	29,231	55,200	0.007	South Sulawesi	EM-DAT	120.107	-5.167	4.2
79	Indonesia	Flash	2006	4	19	2006	4	23	22	50,000			East Java	EM-DAT	111.863	-7.838	5
80	Indonesia	Flash	2006	2	13	2006	2	23	39	17,539	25,000	0.003	North Sulawesi	EM-DAT	124.664	1.073	5.6
81	Indonesia	Heavy rain	2006	2	7	2006	2	13		300			Sumatera	PRCC	102.23	-1.815	5.3
82	Indonesia	General	2006	1	26	2006	2	14	19	10,000	27,100	0.004	Central Java	EM-DAT	108.593	-8.853	6.2
83	Indonesia	Monsoonal	2006	1	22	2006	1	27	11	3,000			Timor to East Java	PRCC	117.291	-8.441	5.5
84	Indonesia	Heavy rain	2006	1	6	2006	1	12		6,000			West Java	PRCC	108.215	-6.381	3.7
85	Indonesia	Flash	2005	12	31	2006	1	3	79	7,811			East Java	EM-DAT	113.342	-8.023	4
86	Indonesia	Flash	2005	10	18	2005	10	19	28	12,211			North Sulawesi	EM-DAT	97.754	3.505	3.7
87	Indonesia	Flash	2005	4	26	2005	4	27	47	768			North Sumatera	EM-DAT	97.662	3.695	3.5
88	Indonesia	Heavy rain	2005	2	19	2005	2	25		50,000			West Java	PRCC	107.603	-6.959	3.8
89	Indonesia	Heavy rain	2005	1	11	2005	2	10			14,200	0.002	South Sumatera	PRCC	104.432	-3.904	6.4
90	Indonesia	Heavy rain	2004	12	2	2004	12	6	15	20,000			East Java	PRCC	112.175	-8.044	4.6
91	Indonesia	Heavy rain	2004	11	3	2004	11	4	1	150			Sumatera	PRCC	101.398	-2.043	2.7
92	Indonesia	Heavy rain	2004	9	26	2004	10	3		3,000			North Sumatera	PRCC	95.962	4.363	4.6
93	Indonesia	Heavy rain	2004	5	7	2004	5	11		10,000			Sulawesi, E and C Kalimantan	PRCC	116.828	-0.528	4.9
94	Indonesia	Heavy rain	2004	3	16	2004	3	17	1	8,000			West Java	PRCC	107.494	-6.93	3.5
95	Indonesia	Heavy rain	2004	2	22	2004	2	25	1	3,000			North Sumatera	PRCC	99.125	3.282	3.6
96	Indonesia	General	2004	2	18	2004	2	23	5	13,000	60,000	0.009	West Java (Jakarta)	EM-DAT	106.838	-6.194	3.2
97	Indonesia	Heavy rain	2004	2	17	2004	2	25		4,000			West Java	PRCC	108.144	-6.41	4.5
98	Indonesia	Heavy rain	2004	2	3	2004	2	5	4	2,400			E. and C. Java	PRCC	112.566	-7.632	4.9
99	Indonesia	General	2003	12	10	2004	1	5	148	150,000			Central Sumatera	EM-DAT	102.902	-1.042	6.9
100	Indonesia	Heavy rain	2003	12	5	2003	12	10		1,000			North Sumatera	PRCC	98.729	3.597	3.5
101	Indonesia	General	2003	11	30	2003	12	6	8	25,000			Central Sumatera	EM-DAT	101.494	0.267	4.4
102	Indonesia	Heavy rain	2003	11	22	2003	11	24	3	12,000			East Java	PRCC	112.522	-8.107	3.3
103	Indonesia	Flash	2003	11	2	2003	11	3	241	1,498			North Sumatera	EM-DAT	98.063	3.429	3.1
104	Indonesia	Heavy rain	2003	9	22	2003	9	24		5,000			North Sumatera	PRCC	98.729	3.613	3.7
105	Indonesia	Heavy rain	2003	5	3	2003	5	6		2,000			Sumatera	PRCC	103.544	-1.504	4.3
106	Indonesia	Heavy rain	2003	3	31	2003	4	1	39				Flores	PRCC	121.709	-8.784	2.8
107	Indonesia	Heavy rain	2003	3	20	2003	3	25	12				South Sulawesi	PRCC	119.784	-3.094	3.8
108	Indonesia	Heavy rain	2003	2	16	2003	2	17		4,300			West Java	PRCC	107.604	-6.973	2.9
109	Indonesia	General	2003	2	13	2003	2	14	3	33,000			West Java (Jakarta)	EM-DAT	106.847	-6.208	3
110	Indonesia	Torrential	2003	2	4	2003	2	6	7	260			Sumatera	PRCC	102.64	-3.461	3.7
111	Indonesia	Heavy rain	2003	1	30	2003	2	9					West Java (Jakarta)	PRCC	107.641	-7.047	4.7
112	Indonesia	Flash	2003	1	28	2003	1	28	1	15,000			Central Java	EM-DAT			
113	Indonesia	Heavy rain	2003	1	25	2003	2	6	3	20,000			North Sumatera	PRCC	102.452	-0.113	5.6
114	Indonesia	Heavy rain	2003	1	20	2003	2	10	1	1,500			North Sumatera	PRCC	102.894	2.468	4.8
115	Indonesia	Heavy rain	2003	1	14	2003	2	6		1,000			West Kalimantan	PRCC	113.005	-2.429	5.7
116	Indonesia		2003	1	10	2003	1	10	10	17,000			West Sumatera	EM-DAT			
117	Indonesia		2003	1	8	2003	1	8		230			West Lombok	EM-DAT			
118	Indonesia	General	2003	1		2003	1		3	10,000			Java, Sulawesi	EM-DAT			
119	Indonesia	Heavy rain	2002	12	26	2002	12	30	24	10,000			South Sumatera	PRCC	104.218	-4.66	4.9
120	Indonesia	Heavy rain	2002	12	15	2002	12	20		60,000			North Sumatera	PRCC	100.517	0.978	5.1
121	Indonesia	Heavy rain	2002	12	11	2002	12	15	28				East Java	PRCC	112.39	-7.44	3.5
122	Indonesia	General	2002	11	19	2002	12	3	13	87,000	1,600	0	North Sumatera	EM-DAT	97.436	3.113	5.7
123	Indonesia	Heavy rain	2002	10	18	2002	10	20		3,000			West Sumatera	PRCC	100.611	-1.344	2.6
124	Indonesia	General	2002	5		2002	5			1,000			Sulawesi	EM-DAT			
125	Indonesia	Heavy rain	2002	4	17	2002	4	20	19				Timor	EM-DAT	120.632	-9.704	4.3
126	Indonesia	Heavy rain	2002	4	17	2002	4	20	4				Timor	PRCC	108.216	-7.286	3.4
127	Indonesia	General	2002	3	27	2002	3	30	14	780			West Sumatera	EM-DAT	97.745	0.96	3.6
128	Indonesia	Heavy rain	2002	2	17	2002	2	25	4	30,000			Central Java	PRCC	109.784	-6.954	4.1
129	Indonesia	Heavy rain	2002	2	13	2002	2	23		15,000			West Java (Jakarta)	PRCC	106.855	-6.213	3.9
130	Indonesia	Flash	2002	2	5	2002	2	7					East Java	GLIDE			
131	Indonesia	General	2002	1	27	2002	2	12	150	500,750	250,000	0.044	East Java	PRCC	112.792	-7.317	6.1
132	Indonesia	Dam Release	2002	1	15	2002	1	26		3,000			West Java (Jakarta)	PRCC	106.855	-6.213	4
133	Indonesia	General	2002	1	13	2002	1	18	13	2,000			North Sumatera	EM-DAT	98.621	3.591	4.4
134	Indonesia	General	2002	1	8	2002	1	12	21	40			South Sumatera	EM-DAT	103.346	-3.997	3.9
135	Indonesia	Heavy rain	2002	1	5	2000	1	7	4	240			North Sumatera	PRCC	125.462	3.672	2.8
136	Indonesia	Heavy rain	2002	1	1	2002	1	4	5	300			South Sulawesi	PRCC	119.618	-5.233	4.3
137	Indonesia	General	2001	12	28	2002	1	15	15	2,000			Sumatera, Sulawesi	EM-DAT	98.813	3.399	4.7
138	Indonesia		2001	12	17	2001	12	17					Papua	EM-DAT			
139	Indonesia	Heavy rain	2001	10	17	2001	10	27	20	18,000			C. and E. of Java	PRCC	109.763	-7.595	4.4
140	Indonesia	Heavy rain	2001	10	8	2001	10	9		4,000			Central Java	PRCC	109.305	-7.524	3.7
141	Indonesia	Heavy rain	2001	7	31	2001	8	1	1	3,000			Central Sulawesi	PRCC	122.413	-1.315	3.7
142	Indonesia	General	2001	7	31	2001	8	1	257	3,694			North Sumatera	EM-DAT	97.754	0.816	3.7
143	Indonesia	Flash	2001	2	4	2001	2	18	130	80,000	10,000	0.002	East Java	EM-DAT	112.07	2.3929	5.8
144	Indonesia	Torrential	2000	12	3	2000	12	6	38	39,852			North Sulawesi	EM-DAT	116.897	-8.737	3.7
145	Indonesia	General	2000	11	28	2000	12	4	100	386,021	34,000	0.007	North Sumatera	EM-DAT	124.7	1.168	4.4
146	Indonesia		2000	11	21	2000	12	1	243	68,682	94,500	0.019	N. and W. Sumatera	PRCC	99.803	1.581	6.6
147	Indonesia	Torrential	2000	11	5	2000	11	7	3	21			Central Java	PRCC	109.443	-7.637	4.4
148	Indonesia	Heavy rain	2000	10	29	2000	10	31	40	10,000			W. and C. Java	PRCC	108.884	-7.323	4.6
149	Indonesia	Flash	2000	5	16	2000	5	24	126	50,000	79,000	0.016	West Sumatera	EM-DAT			
150	Indonesia	Monsoonal	1999	2	9	1999	2	14	2	2,000			Sulawesi, Sumatera	PRCC	102.854	-0.358	5.9
151	Indonesia		1999	1	5	1999	1	5	12	16,000			Sulawesi, Java	EM-DAT			
152	Indonesia		1998	12	27	1998	12	31		9,600			West Java	PRCC	107.063	-6.84	5.4
153	Indonesia		1998	8	2	1998	8	2	4	100,000			East Kalimantan	EM-DAT			
154	Indonesia	Torrential	1998	7	23	1998	7	26	26				Java, Irian Java	PRCC	112.885	-7.167	5.4
155	Indonesia	Heavy rain	1998	6	10	1998	6	11		180			Java	PRCC	111.879	-7.75	4.7
156	Indonesia	Heavy rain	1998	5	11	1998	5	13					West Java (Jakarta)	PRCC	107.054	-6.651	4.9
157	Indonesia	Heavy rain	1998	4	15	1998	4	16	13	400			South Sumatera	PRCC	103.962	-3.611	5.4
158	Indonesia	Heavy rain	1998	3	24	1998	3	25		400			Java	PRCC	110.866	-7.85	4.7
159	Indonesia	Heavy rain	1998	2	25	1998	2	27					Central Java	PRCC	109.837	-7.524	5.1
160	Indonesia	Heavy rain	1997	12	24	1997	12	27	5				East Java	PRCC	113.312	-7.858	4.4
161	Indonesia	Heavy rain	1997	11	1	1997	11	6	3				North Sumatera	PRCC	99.07	2.808	5.5
162	Indonesia		1996	12	13	1996	12	13	14	10,000			Central Java	EM-DAT			
163	Indonesia	Flash	1996	10	20	1996	10	22	13	5,007	3,000	0.001	Central Java	EM-DAT	110.139	-7.335	4.6
164	Indonesia	Heavy rain	1996	7	5	1996	7	10		18,000			North Sumatera	PRCC	95.71	5.159	4.8
16																	



No.	Country	Cause	Disaster Start			Disaster End			Damage				Affected Region	Reference	Location		
			Year	Month	Day	Year	Month	Day	Killed	Affected People	Amount (Million US\$)	Amount/GDP-PPP (%)			Latitude	Longitude	Flood Magnitude
185	Indonesia	Flash	1993	12	26	1993	12	27	72	8,000			West Java	EM-DAT	106.357	-6.242	3.9
186	Indonesia	Heavy rain	1993	11	3	1993	11	16	5	3,000			North Sumatera	PRCC	101.308	1.124	5.8
187	Indonesia	General	1993	2	2	1993	2	5	59	259,553	19,301	0.005	Bintang (North Sumatera)	EM-DAT	111.256	-6.808	5
188	Indonesia	Heavy rain	1992	9	2	1992	10	15	70	15,000			Java	PRCC	111.708	-7.585	6.6
189	Indonesia	General	1992	8		1992	8		57	265,553			East Java	EM-DAT			
190	Indonesia	General	1991	12	16	1991	12	19	15	240,000	14,800	0.005	Central Sumatera	EM-DAT	101.949	0.61	5.8
191	Indonesia	Heavy rain	1991	11	30	1991	12	2					North Sumatera	PRCC	96.903	3.964	5.2
192	Indonesia	General	1991	6	8	1991	6	11	97				Kalimantan	EM-DAT	114.253	-1.687	5.4
193	Indonesia	Heavy rain	1991	4	1	1991	4	2	1	100,000			West Sumatera	PRCC	100.463	-0.929	4.9
194	Indonesia	Heavy rain	1990	12	12	1991	1	3	5		0.167	0	East Sumatera	PRCC	103.373	-1.58	5.8
195	Indonesia	Heavy rain	1990	10	26	1990	10	29		300			Sulawesi	PRCC	120.486	0.618	4.4
196	Indonesia	General	1990	4	4	1990	4	5	22				West Java (Jakarta)	EM-DAT	106.815	-6.557	3.7
197	Indonesia	General	1990	1	26	1990	2	1	169	21,000	4,800	0.002	Central Java	EM-DAT	110.479	-7.131	5.2
198	Indonesia	Heavy rain	1989	8	9	1989	8	13					N. and W. Sumatera	PRCC	101.905	0.655	5.7
199	Indonesia	Heavy rain	1989	7	31	1989	8	2	8				West Java (Jakarta)	PRCC	106.969	-6.184	4
200	Indonesia	General	1989	6	20	1989	6	20	18	32,500			Malucca	EM-DAT			
201	Indonesia	General	1989	6	3	1989	6	3		29,000			East Java	EM-DAT			
202	Indonesia	Heavy rain	1989	2	21	1989	2	27	3	1,500			Central Java	PRCC	109.606	-7.271	5.1
203	Indonesia	General	1988	12	20	1988	12	20	158	100,000	4,600	0.002	C and W Java, Sumatera	EM-DAT	109.96	-6.931	4.3
204	Indonesia	Heavy rain	1988	12	18	1988	12	19	28				Central Java	PRCC	98.039	3.537	4.6
205	Indonesia	General	1988	11	6	1988	11	6	21				Flores	EM-DAT	121.641	-8.806	3.4
206	Indonesia	Torrential	1988	2	5	1988	2	6	7	3,000			Central Java	PRCC	110.814	-7.768	4.2
207	Indonesia	General	1987	12	25	1987	12	25	119		60,000	0.029	South Sulawesi	EM-DAT			
208	Indonesia	General	1987	12	14	1987	12	14	38	884			West Sumatera	EM-DAT			
209	Indonesia	General	1987	11		1987	11		4	2,000			North Sumatera	EM-DAT			
210	Indonesia	General	1987	5		1987	5		37		4,000	0.002	South Sumatera	EM-DAT			
211	Indonesia	General	1987	2	21	1987	2	23	3	26,000	1,700	0.001	East Java	EM-DAT	111.925	-7.33531	5.1
212	Indonesia	General	1986	10	24	1986	10	24	96	20,000	12,800	0.007	South Sumatera	EM-DAT	106.005	-3.707	6.1
213	Indonesia	General	1986	4	15	1986	4	15	2	38,000			West Java	EM-DAT			
214	Indonesia	General	1986	3	6	1986	3	6		50,000			East Java	EM-DAT			
215	Indonesia	General	1986	1	16	1986	1	16	77	19,000			Timor, Java	EM-DAT			
216	Indonesia	Storm	1985	6	30	1985	6	30	11	2,000			West Sumatera	EM-DAT			
217	Indonesia	General	1985	2	19	1985	2	23	10	2,000			Central and East Java	EM-DAT	108.14	-7.04	5.6
218	Indonesia	Flash	1985	2	4	1985	2	18	21	300			North Sulawesi	EM-DAT	124.606	1.015	5.4
219	Indonesia	General	1984	12	3	1984	12	3		37,500			West Java	EM-DAT			
220	Indonesia	General	1984	4	27	1984	4	27		2,700	1,500	0.001	West Java	EM-DAT			
221	Indonesia	General	1984	2	3	1984	2	3	26	320,000			Central, East, West Java	EM-DAT			
222	Indonesia	General	1983	12		1983	12		7	410,497	7,007	0.005	Central Java	EM-DAT			
223	Indonesia	General	1983	10		1983	10		2	5,000			North Sumatera	EM-DAT			
224	Indonesia	General	1983	7		1983	7		11	2,000			North Sulawesi	EM-DAT			

1	Lao PDR	Flash	2012	7	31	2012	8	1		8,114			Central	GLIDE			
2	Lao PDR	Flash	2011	8	1	2011	10	13	34	430,000			Central	EM-DAT			
3	Lao PDR	General	2011	6	23	2011	6	29	14	37,000			North	EM-DAT	101.556	19.38	5.6
4	Lao PDR	Flash	2009	8	13	2009	8	13		803			North	GLIDE			
5	Lao PDR	General	2009	8	10	2009	8	11	10				Central	EM-DAT	104.792	17.827	4.7
6	Lao PDR	General	2008	8	12	2008	8	18	6	204,190			North	EM-DAT			
7	Lao PDR	General	2002	8		2002	8		2	150,000			Central	EM-DAT			
8	Lao PDR	General	2001	8		2001	8			453,000			Central	EM-DAT			
9	Lao PDR	General	2000	9		2000	9		15	450,000	1,000	0.016	North	EM-DAT			
10	Lao PDR	General	1996	8	15	1996	8	15	30	420,000			North	EM-DAT			
11	Lao PDR	General	1995	9	18	1995	9	25		391,400			Central	EM-DAT	100.367	5.348	4
12	Lao PDR	General	1995	7		1995	7			200,000			Central	EM-DAT			
13	Lao PDR	General	1994	8		1994	8			190,000			Central	EM-DAT			
14	Lao PDR	General	1992	8		1992	8		10	150	21,828	0.642	Whole	EM-DAT			
15	Lao PDR	General	1991	9		1991	9			332,000			Central	EM-DAT			
16	Lao PDR	Heavy rain	1991	7	15	1991	7	22	16	800			North	PRCC	102.592	21.047	5.7
17	Lao PDR	General	1984	9		1984	9		14	2,000			North	EM-DAT			

1	Malaysia	Torrential	2012	12	1	2012	12	4		150			South Malay	PRCC	103.073	2.62	5.1
2	Malaysia	Heavy rain	2012	11	4	2012	11	8		4,000			South Malay	PRCC	102.61	2.871	5.4
3	Malaysia	Torrential	2011	12	17	2011	12	22		3,265			South Malay	PRCC	103.007	2.557	5.1
4	Malaysia	Heavy rain	2011	3	31	2011	4	1		4,230			North-West Malay	PRCC	100.482	6.08	4.8
5	Malaysia	Torrential	2011	3	24	2011	3	25		406			North-West Malay	PRCC	101.212	4.857	4.3
6	Malaysia	Heavy rain	2011	2	1	2011	2	16		24,000			South Malay	PRCC	102.77	2.653	5.8
7	Malaysia	General	2011	1	28	2011	1	31	2	20,000			South Malay	EM-DAT	104.669	-4.052	5.6
8	Malaysia	Heavy rain	2010	11	1	2010	11	5		40,000			North Malay	PRCC	101.922	5.616	5.4
9	Malaysia	General	2009	11	23	2009	11	26		1,793			North Malay	EM-DAT			
10	Malaysia	General	2009	11	20	2009	11	27		9,082			North Malay	EM-DAT	102.358	4.992	5.4
11	Malaysia	Heavy rain	2009	11	10	2009	11	16		1,793			North Malay	PRCC	100.96	5.743	5
12	Malaysia	Heavy rain	2009	3	17	2009	3	19	1	330			North Kalimantan	PRCC			5.1
13	Malaysia	Heavy rain	2009	2	2	2009	2	12		2,000			Kalimantan	PRCC			5
14	Malaysia	Flash	2008	12	28	2008	12	19		6,000			South Malay	EM-DAT			5.9
15	Malaysia	General	2008	12	1	2008	12	4		2,000			South Malay	EM-DAT			4.6
16	Malaysia	Torrential	2008	9	5	2008	9	7		125,000			North West Malay	PRCC	102.124	4.078	5.8
17	Malaysia	Heavy rain	2008	3	5	2008	3	14		2,400			Kalimantan	PRCC	114.961	4.575	5.6
18	Malaysia	General	2007	12	7	2007	12	21	29	29,000	363,000	0.097	South Malay	EM-DAT	102.928	3.894	6.3
19	Malaysia	General	2007	1	11	2007	2	1	17	137,533	605,000	0.162	South Malay	EM-DAT	103.368	2.192	5.9
20	Malaysia	Monsoonal	2007	1	4	2007	1	22	1	3,532			Kalimantan	PRCC	115.907	4.968	6.1
21	Malaysia	Flash	2006	12	19	2006	12	20	6	100,000	22,000	0.006	South Malay	EM-DAT	103.223	1.874	5.9
22	Malaysia	Heavy rain	2006	10	20	2006	11	1	1	1,500			North West Malay	PRCC	100.514	5.772	5.3
23	Malaysia	General	2006	4	20	2006	4	21		500			Central Malay	EM-DAT	102.15	5.273	4
24	Malaysia	Torrential	2006	2	26	2006	2	26		9,000			Central Malay	PRCC	101.653	3.116	3.1
25	Malaysia	General	2006	2	10	2006	2	18		4,906			Whole Malay	EM-DAT	102.536	4.326	5.9
26	Malaysia	General	2006	1	9	2006	1	9		1,112			South Malay	EM-DAT			
27	Malaysia	Flash	2005	11	23	2005	12	9		30,000			North Malay	EM-DAT	100.124	7.205	6.9
28	Malaysia	Flash	2005	7	17	2005	7	19	4	600			North Kalimantan	EM-DAT	116.224	6.055	3.9
29	Malaysia	General	2004	12	10	2004	12	18	13	15,000	10,000	0.004	North Malay	EM-DAT	101.592	6.272	5.9
30	Malaysia	General	2004	3	8	2004	3	11		9,138			South Malay	EM-DAT			
31	Malaysia	General	2004	1	24	2004	2	3	3	6,900			West Kalimantan	EM-DAT	103.742	1.627	5.6
32	Malaysia	General	2003	12	17	2004	1	5		2,000			North Malay	EM-DAT	117.982	5.415	5.7
33	Malaysia	Flash	2003	11	29	2003	12	2	5	3,000			North Malay	EM-DAT	103.22	4.817	5.6
34	Malaysia	General	2003	10	3	2003	10	25	3	13,800			North Malay	EM-DAT	100.097	6.647	6
35	Malaysia	Heavy rain	2003	2	4	2003	2	7		11,000							

## A3.1 Flood

No.	Country	Cause	Disaster Start			Disaster End			Damage				Affected Region	Reference	Location		
			Year	Month	Day	Year	Month	Day	Killed	Affected People	Amount (Million US\$)	Amount/ GDP-PPP (%)			Latitude	Longitude	Flood Magnitude
51	Malaysia	Heavy rain	1999	9	3	1999	9	7		2,000			North Malay	PRCC	99.68	7.615	5.2
52	Malaysia	General	1999	1	1	1999	1	1	1	2,000			West Malay	EM-DAT			
53	Malaysia	Monsoonal	1998	12	20	1998	12	21					North Malay	PRCC	103.263	4.285	5.2
54	Malaysia		1998	11	19	1998	11	19		2,500			North Malay	EM-DAT			
55	Malaysia	Heavy rain	1997	8	23	1997	8	27	6	2,115			North West Malay	PRCC	100.618	5.88	4.7
56	Malaysia	Heavy rain	1996	12	26	1996	12	28	200	52			Kalimantan	PRCC	117.312	5.514	5.3
57	Malaysia	General	1996	2	11	1996	2	11		418			North Kalimantan	EM-DAT			
58	Malaysia		1995	9	17	1995	9	22		5,120			North Malay	PRCC			5.5
59	Malaysia	General	1993	12	22	1993	12	27	30	25,000			North Malay	EM-DAT	102.442	3.792	5.8
60	Malaysia	Heavy rain	1991	12	24	1991	12	30	11				East Malay	PRCC	112.949	2.983	5.7
61	Malaysia	General	1988	11	12	1988	11	12	27	60,000			North Malay	EM-DAT			
62	Malaysia		1987	12		1987	12		3	2,576			East Malay	EM-DAT			
63	Malaysia		1986	11	28	1986	11	28	11	25,000	11.500	0.021	East Malay	EM-DAT			
64	Malaysia		1983	12		1983	12		10	15,000			East Malay	EM-DAT			
1	Myanmar	General	2012	7	15	2012	8	29	2	85,000			Central	EM-DAT	97.854	16.592	7
2	Myanmar	Flash	2011	10	19	2011	10	21	151	35,734	1.700	0.002	North	EM-DAT			
3	Myanmar	Torrential	2010	8	1	2010	9	1		20,000			West	PRCC	95.49	20.88	5.1
4	Myanmar	Monsoonal	2010	6	15	2010	6	26	60	5,000			West	PRCC	94.011	22.28	6.1
5	Myanmar	Heavy rain	2009	7	12	2009	7	17		300			Central	PRCC			5.9
6	Myanmar	Monsoonal	2007	8	14	2007	10	4	2	40,000			Central	PRCC	95.173	16.962	7.1
7	Myanmar	General	2007	7	6	2007	7	11		101,920			Central	EM-DAT			
8	Myanmar	Monsoonal	2007	7	6	2007	8	1		3,000			Central	PRCC	95.317	18.524	6.5
9	Myanmar	General	2007	6	11	2007	6	11					West	EM-DAT			
10	Myanmar	General	2007	5	3	2007	5	9	5	3,000			Central	EM-DAT	96.131	16.909	5
11	Myanmar	General	2006	9	15	2006	10	19	25	10,000			North	EM-DAT	95.448	19.812	6.8
12	Myanmar	Monsoonal	2006	7	3	2006	7	12	1				Central	PRCC	95.048	18.227	6.2
13	Myanmar	Monsoonal	2003	7	2	2003	9	1					West	PRCC	95.504	20.575	7.2
14	Myanmar	Monsoonal	2002	8	17	2002	9	4		5,000			North	PRCC	96.753	22.419	6.7
15	Myanmar	General	2002	8	17	2002	8	20	21	50,000			South	EM-DAT	98.361	17.159	6.3
16	Myanmar	General	2001	6	2	2001	6	2	51	3,750			Central	EM-DAT			
17	Myanmar	Flash	1999	8		1999	8		22	50,000			East	EM-DAT			
18	Myanmar	Monsoonal	1997	8	10	1997	8	20	100	3,000			Central	PRCC	96.477	17.938	5.9
19	Myanmar	Heavy rain	1995	9	26	1995	10	10	50	20,000			North	PRCC	97.376	22.462	6.7
20	Myanmar		1995	9	12	1995	9	12	51	31,945			Central	EM-DAT			
21	Myanmar	Heavy rain	1992	8	10	1992	8	20					Central	PRCC	96.189	18.067	5.6
22	Myanmar		1992	5		1992	5		5	4,625	55,115	NA	South	EM-DAT			
23	Myanmar	Heavy rain	1991	8	18	1991	8	19		29,674			Central	PRCC	97.657	17.364	4.8
24	Myanmar	Heavy rain	1991	8	7	1991	8	9	1	210,250		NA	Central	PRCC	95.559	16.981	5.5
25	Myanmar	General	1991	7	10	1991	7	13	23	359,976	79,840		North	EM-DAT	95.019	23.941	6.3
26	Myanmar	Heavy rain	1990	7	4	1990	7	5		300			North	PRCC	95.287	24.01	4.8
1	Philippines	General	2012	8	6	2012	8	8	116	4,451,725	72,330	0.017	Central (Manila)	EM-DAT			
2	Philippines	Monsoonal	2012	7	21	2012	7	23	8				Central (Manila)	PRCC	121.195	15.204	4.6
3	Philippines	Flash	2012	6	11	2012	6	11		12,300			Mindanao	EM-DAT			
4	Philippines	Flash	2012	6	9	2012	6	12	1	700			Mindanao	EM-DAT	124.785	6.874	5.1
5	Philippines	Torrential	2012	3	26	2012	3	30	4				South East Luzon	PRCC	123.278	13.629	4.4
6	Philippines	Torrential	2012	2	20	2012	2	27		25,000			Mindanao	PRCC	125.265	8.224	5.5
7	Philippines	General	2012	2	14	2012	2	16		569			Mindanao	EM-DAT	122.12	7.157	3.6
8	Philippines	General	2012	1	17	2012	1	17	4	88,570			Mindanao	EM-DAT			
9	Philippines	General	2011	12	25	2011	12	28	12	171,809			South Luzon	EM-DAT			
10	Philippines	General	2011	12	21	2011	12	21	10	39,520			Central Luzon (Manila)	EM-DAT			
11	Philippines	General	2011	11	14	2011	11	17	5	16,191	0.183	0	Mindanao	EM-DAT			
12	Philippines	Flash	2011	11	9	2011	11	14		8,610	178,881	0.046	Bohol	EM-DAT			
13	Philippines	Flash	2011	10	7	2011	10	7		185			Central Island Group	EM-DAT			
14	Philippines	Flash	2011	9	19	2011	9	19		274	0.115	0	Mindanao	EM-DAT			
15	Philippines	General	2011	8	5	2011	8	5		2,060			Visayas	EM-DAT			
16	Philippines	Flash	2011	7	20	2011	7	20		469			Mindanao	EM-DAT			
17	Philippines	Flash	2011	6	28	2011	6	29	31	121,005	0.251	0	Mindanao	EM-DAT	126.05	7.398	4.3
18	Philippines	Heavy rain	2011	6	5	2011	6	21	15	15,000			Mindanao	PRCC	125.208	8.306	6.3
19	Philippines	General	2011	5	31	2011	6	19	12	944,781	10,666	0.003	Mindanao	EM-DAT			
20	Philippines	Flash	2011	5	5	2011	5	5		30,858			Negros	EM-DAT			
21	Philippines	Flash	2011	3	31	2011	3	31	2	871			Mindanao	EM-DAT			
22	Philippines	General	2011	3	14	2011	3	18	16	241,777	0.280	0	Visayas	EM-DAT	125.091	8.104	5.3
23	Philippines	General	2011	2	1	2011	2	4	11	2,000			Mindanao	EM-DAT	124.865	7.095	5.4
24	Philippines	General	2011	1	25	2011	2	7	23	638,418	12,411	0.003	Leyte	EM-DAT	125.779	9.47	4.6
25	Philippines	Heavy rain	2011	1	1	2011	1	18	53	10,000			Mindanao	PRCC	125.566	8.133	5.6
26	Philippines	Flash	2010	12	24	2011	1	25	110	1,972,446	47,411	0.013	Palawan	EM-DAT			
27	Philippines	General	2010	11	1	2010	11	10	16	450,673			Mindanao	EM-DAT	121.76	17.715	5
28	Philippines	Flash	2010	9	10	2010	9	17	6	46,713	3.156	0.001	Mindanao	EM-DAT			
29	Philippines	Flash	2010	8	15	2010	8	15		505			Mindanao	EM-DAT			
30	Philippines	General	2010	7	13	2010	7	31		80,920			Mindanao	EM-DAT			
31	Philippines	General	2010	6	1	2010	6	1		200,000			Mindanao	EM-DAT			
32	Philippines	General	2010	5	28	2010	6	1	27	40,000			Mindanao	EM-DAT	125.3	6.778	5
33	Philippines	General	2010	1	17	2010	1	17	1	15,480			Mindanao	EM-DAT			
34	Philippines	Flash	2010	1	14	2010	1	17	2	40,198	0.220	0	Mindanao	EM-DAT			
35	Philippines	Flash	2009	9	21	2009	9	21						GLIDE			
36	Philippines	Storm	2009	9	1	2009	9	10	9				North Luzon	PRCC	121.371	17.23	5.9
37	Philippines		2009	8	10	2009	8	10						GLIDE			
38	Philippines	General	2009	8	5	2009	8	5		1,578			Central Luzon	EM-DAT			
39	Philippines	Torrential	2009	7	25	2009	8	4	10	200,000			Mindanao	PRCC	125.367	7.652	5.8
40	Philippines	Flash	2009	7	17	2009	7	17		920			Mindanao	EM-DAT			
41	Philippines	Flash	2009	7	4	2009	8	10	22	5,025,102	22,960	0.007	Mindanao	EM-DAT			
42	Philippines	General	2009	5	18	2009	5	18		715			Mindanao	EM-DAT			
43	Philippines	Flash	2009	5	18	2009	5	18		34,325			Mindanao	EM-DAT			
44	Philippines	Storm	2009	5	3	2009	5	8	47	65,000			Luzon	PRCC			5.2
45	Philippines	Flash	2009	4	21	2009	4	22		110			Luzon	GLIDE			
46	Philippines	Heavy rain	2009	2	7	2009	2	9	5				Negros	PRCC			6.1
47	Philippines	Heavy rain	2009	1	26	2009	1	27	5	200			Mindanao	PRCC			5.9
48	Philippines	General	2009	1	9	2009	1	9		1,300			Cebu	EM-DAT			
49	Philippines	Flash	2009	1	8	2009	1	8		1,345			Mindanao	EM-DAT			
50	Philippines	General	2009	1	2	2009	1	15	33	537,991	6,354	0.002	Central Luzon	EM-DAT			6.9
51	Philippines	General	2008	12	1	2008	12	4	29	50,000			South Luzon	EM-DAT	100.112	7.555	5.5
52	Philippines	Flash	2008	11	21	2008	11	24	10	239,763	4,088	0.001	Central Luzon	EM-DAT			
53	Philippines	General	2008	9	4	2008	9	13	6	365,678	4,137	0.001	Mindanao	EM-DAT			
54	Philippines	General	2008	8	8	2008	8	8		39,530			Central Luzon	EM-DAT			

A3.1 Flood

No.	Country	Cause	Disaster Start			Disaster End			Damage				Affected Region	Reference	Location		Flood Magnitude
			Year	Month	Day	Year	Month	Day	Killed	Affected People	Amount (Million US\$)	Amount/ GDP- PPP (%)			Latitude	Logitude	
68	Philippines	Heavy rain	2006	10	30	2006	11	1	19	300,000			Norht Luzon	PRCC	121.805	17.262	4.9
69	Philippines	General	2006	10	21	2006	10	27	2	40,000	0.763		Mindanao	EM-DAT	125.834	7.615	4.4
70	Philippines	General	2006	10	4	2006	10	8	3	4,250	0.399		Mindanao	EM-DAT			
71	Philippines	Heavy rain	2006	9	27	2006	10	6	260	250,000	668.000	0.236	Luzon	PRCC	107.206	16.679	5.8
72	Philippines	Heavy rain	2006	8		2006	8		26	15,000			Mindanao	EM-DAT			
73	Philippines	Flash	2006	3	4	2006	3	6	1	1,000			Bohol	EM-DAT	125.565	7.172	3.3
74	Philippines	Monsoonal	2006	2	10	2006	2	18	20	30,000	6.700	0.002	Mindanao	PRCC	125.115	8.157	5.9
75	Philippines	Flash	2006	1	26	2006	2	5	4	256,641	9.600	0.003	Central Luzon	EM-DAT	121.817	17.017	5.8
76	Philippines	General	2005	12	5	2005	12	29	4	192,946	0.515		Mindoro	EM-DAT	119.171	10.092	5.1
77	Philippines	Monsoonal	2005	9	15	2005	9	27	16	8,000			Central Luzon (Manila)	PRCC	120.963	15.301	5.2
78	Philippines	Monsoonal	2005	7	27	2005	7	30	3	32,782			Negros	PRCC	122.905	10.41	3.6
79	Philippines	General	2005	5	12	2005	5	12	1	100			Mindanao	EM-DAT			
80	Philippines	Heavy rain	2004	11	29	2004	12	22	939	432,000	75,000	0.031	East and North Luzon	PRCC	121.243	15.179	6
81	Philippines	Heavy rain	2004	7	31	2004	8	13		80,000			Mindanao	PRCC	124.577	7.021	4.5
82	Philippines	Flash	2004	6	28	2004	6	30	15	1,500			Mindanao	EM-DAT	124.576	7.377	3.8
83	Philippines	General	2004	2	11	2004	2	26	7	20,000			Mindanao	EM-DAT	125.744	8.23	5.5
84	Philippines	General	2004	1	23	2004	1	23	27	194			North Luzon	EM-DAT			
85	Philippines	Heavy rain	2003	12	19	2004	1	7	200	97,500	3.000	0.001	Leyte	PRCC	125.766	8.882	5.4
86	Philippines	Torrential	2003	9	21	2003	9	22	9				Negros	PRCC	122.896	9.35	2.4
87	Philippines	Heavy rain	2003	8	11	2003	8	18		145,000			Central Luzon	PRCC			3.4
88	Philippines	Heavy rain	2003	6	25	2003	6	26	2	10,000			Mindanao	PRCC	124.377	7.044	3.4
89	Philippines	Heavy rain	2003	5	26	2003	5	30	41	8,357	1.000		North Luzon	PRCC	120.74	15.596	5.2
90	Philippines	Flash	2003	5	16	2003	5	16		3,500			Cebu	EM-DAT			
91	Philippines	Heavy rain	2003	3	20	2003	3	21	8				Mindanao	PRCC	125.58	6.345	2.9
92	Philippines	Storm	2002	8	13	2002	8	17	26	3,559			Negros	EM-DAT			
93	Philippines	Storm	2002	7	20	2002	7	28	18	7,000			Central Luzon (Manila)	EM-DAT			
94	Philippines	Heavy rain	2002	6	26	2002	6	27	6				Mindanao	PRCC	122.939	7.684	5.3
95	Philippines	General	2002	3	21	2002	3	26	35	50,000	1.450	0.001	Mindanao	EM-DAT	126.216	8.849	4.5
96	Philippines	General	2002	1	4	2002	1	7	11	95,008	0.392		Mindanao	EM-DAT	125.828	8.251	4.7
97	Philippines	Heavy rain	2001	12	5	2001	12	7	2	10,000			Cebu	PRCC	124.939	10.981	3.9
98	Philippines	Heavy rain	2001	11	19	2001	11	21		29,000			Negros	PRCC	122.957	10.212	4.3
99	Philippines	Flash	2001	10	10	2001	10	10	4	300			Mindanao	EM-DAT	122.076	6.961	2.3
100	Philippines	Heavy rain	2001	9	24	2001	9	25	1				North Luzon	PRCC	121.539	18.154	4.1
101	Philippines	Flash	2001	8	12	2001	8	14	37	79,000	8.000	0.004	Mindanao	EM-DAT	122.872	7.799	5
102	Philippines	Heavy rain	2001	7	1	2001	7	19	178	800,000	2980.000	1.51	Luzon (Manila)	PRCC	110.999	22.909	6.9
103	Philippines	General	2001	1	15	2001	1	15	2	12,000			Negros	EM-DAT			
104	Philippines	Heavy rain	2000	11	30	2000	12	3	12	70,000			Mindanao	PRCC	125.231	8.936	4.8
105	Philippines	Storm	2000	9	4	2000	9	5	5	6,508			Central Luzon (Manila)	EM-DAT	120.916	14.776	3.5
106	Philippines	Torrential	2000	7	4	2000	7	10	45	800,000	2,200	0.001	North Luzon	PRCC	120.823	14.929	4.9
107	Philippines	Flash	2000	1	28	2000	2	1	50	153,885	4.080	0.002	Mindanao	EM-DAT	126.1	7.199	4.9
108	Philippines	Storm	2000	1	22	2000	1	22		5,250			Basilan (Mindanao)	EM-DAT			
109	Philippines	Heavy rain	1999	12	25	1999	12	28	8	2,000			Mindanao	PRCC	126.238	8.995	5.1
110	Philippines	Torrential	1999	9	10	1999	9	14	1	4,500			Central Luzon (Manila)	PRCC	121.73	15.89	5.1
111	Philippines	Flash	1999	7	30	1999	8	8	130	2,099,763	18,000	0.01	Central Luzon	EM-DAT			
112	Philippines	Heavy rain	1999	4	15	1999	4	21	11	200			Mindanao	PRCC	126.304	8.227	5.3
113	Philippines	Flash	1999	3	2	1999	3	2		1,300			Mindanao	EM-DAT			
114	Philippines	Flash	1999	3		1999	3			250			Mindanao	EM-DAT			
115	Philippines	Flash	1999	2	20	1999	2	22	34	3,703	6.000	0.003	Mindanao	EM-DAT	125.997	7.916	5.2
116	Philippines	Torrential	1999	2	4	1999	2	8	24	500,000	3,200	0.002	Mindanao	PRCC	126.134	6.192	5.3
117	Philippines	Heavy rain	1998	9	17	1998	9	19	27	70,512			Central Luzon	PRCC	120.781	15.025	4
118	Philippines	General	1997	3	9	1997	3	13	18	105,000	0.760		Mindanao	EM-DAT	125.768	8.881	5
119	Philippines	General	1996	6	30	1996	6	30		96,000			Mindanao	EM-DAT			
120	Philippines	Heavy rain	1996	6	22	1996	8	3	89	40,000	53,700	0.034	Central Luzon	PRCC	120.781	15.278	5.5
121	Philippines	Heavy rain	1996	1	6	1996	1	12		2,000			Mindanao	PRCC	126.103	8.701	4.5
122	Philippines	General	1995	12	22	1995	12	27	13	47,700	0.500		Mindanao	EM-DAT	124.471	6.769	4.6
123	Philippines	General	1995	12	11	1995	12	11	17	17,500	0.142		South Luzon	EM-DAT			
124	Philippines	General	1995	12	10	1995	12	16	12	4,500			Mindanao	EM-DAT	56.154	25.178	4.3
125	Philippines	General	1995	11	28	1995	11	28	18	10,000			Negros	EM-DAT			
126	Philippines	Flash	1995	9	4	1995	9	15	416	24,485	700,300	0.484	Mindanao	EM-DAT	120.745	22.809	5.3
127	Philippines	Monsoonal	1995	8	29	1995	9	6	3	45,000	0.550		Central Luzon (Manila)	PRCC	120.687	15.463	5.3
128	Philippines	General	1995	7	29	1995	7	29		25,000			Central Luzon	EM-DAT	120.77	15.134	4.4
129	Philippines	Monsoonal	1994	9	19	1994	9	24	16	10,000	0.380		Central Luzon	PRCC	122.982	10.017	5.5
130	Philippines	General	1994	7	22	1994	8	2	2	18,000	1.600	0.001	Central Luzon, Negros	EM-DAT			
131	Philippines	General	1994	6	22	1994	6	22	50	774,000	1.650	0.001	Central Luzon	EM-DAT			
132	Philippines	Storm	1994	5	24	1994	5	24	1	2,762	0.037		Mindanao	EM-DAT	125.689	8.382	5.7
133	Philippines	General	1994	3	18	1994	3	31	9	16,821	0.855	0.001	Mindanao	EM-DAT	124.962	10.741	3
134	Philippines	General	1993	11	29	1993	12	1	25	4			Leyte	EM-DAT	120.592	15.63	5.8
135	Philippines	Heavy rain	1993	10	4	1993	10	12	57	300,000	6.790	0.005		PRCC			
136	Philippines	General	1993	8	26	1993	8	26	5	258,080	2.600	0.002	Central Luzon (Manila)	EM-DAT			
137	Philippines	Heavy rain	1993	8	19	1993	8	22	5	10,000	2.600	0.002	Central Luzon (Manila)	PRCC	120.432	15.182	4.5
138	Philippines	Monsoonal	1993	6	26	1993	6	28	5	22,700			Central Luzon (Manila)	PRCC	120.46	15.6	4.8
139	Philippines	General	1993	2	1	1993	2	5	23	90,000	37,000	0.03	Mindanao	EM-DAT	125.706	8.794	5.1
140	Philippines	General	1992	12	22	1992	12	27	19	58,255			Mindanao	EM-DAT	125.923	7.785	5
141	Philippines	General	1992	10		1992	10			52,800				EM-DAT			
142	Philippines	General	1992	7		1992	8		60	942,777	74,200	0.061	North Luzon	EM-DAT			
143	Philippines	Storm	1991	11	11	1991	11	11	10				Leyte	EM-DAT			
144	Philippines	Monsoonal	1991	9	7	1991	9	8		10,000			Central Luzon	PRCC	120.147	14.99	2.9
145	Philippines	Storm	1991	8	2	1991	8	24	50				Whole Luzon	EM-DAT			
146	Philippines	General	1991	3		1991	3		10	823	1.300	0.001	Mindanao	EM-DAT			
147	Philippines	General	1990	9		1990	9		50	662,500				EM-DAT			
148	Philippines	Storm	1990	8	25	1990	9	1	28	50,000			Central Luzon (Manila)	EM-DAT			
149	Philippines	Flash	1990	6	17	1990	6	19	98	236	0.043		Mindanao	EM-DAT	123.116	8.336	4
150	Philippines	Heavy rain	1989	9	23	1989	9	25	2				Central Luzon (Manila)	PRCC	121.057	14.648	3.6
151	Philippines	General	1989	8	9	1989	8	14		47,500			Central Luzon (Manila)	EM-DAT	125.207	11.81	5.1
152	Philippines	Heavy rain	1989	6	1	1989	6	8	11	4,000			Mindanao	PRCC	126.068	8.899	4.5
153	Philippines	General	1989	2	9	1989	2	9	44	260,011	6.000	0.006	South Luzon	EM-DAT			
154	Philippines	Monsoonal	1989	1	25	1989	2	8	72	551,051	4,340	0.004	Central Luzon (Manila)	PRCC	125.355	11.23	5.7
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No.	Country	Cause	Disaster Start			Disaster End			Damage				Affected Region	Reference	Location		
			Year	Month	Day	Year	Month	Day	Killed	Affected People	Amount (Million US\$)	Amount/ GDP-PPP (%)			Latitude	Longitude	Flood Magnitude
14	Thailand	General	2007	10	22	2007	10	29	2	100,000	1,500	0	South	EM-DAT	99.002	9.722	5.1
15	Thailand	General	2007	9	5	2007	11	10	10	17,000			North	EM-DAT	102.48	16.82	7.3
16	Thailand	Heavy rain	2007	8	20	2007	8	24		3,000			South	PRCC	98.982	8.938	5.1
17	Thailand	General	2007	5	11	2007	5	21		1,000			Central	EM-DAT	100.339	17.212	5.6
18	Thailand	Heavy rain	2007	5	1	2007	5	7	1	1,000			Central	PRCC	99.614	11.653	4.6
19	Thailand	Flash	2007	4	14	2007	4	15	38				South	EM-DAT	99.646	7.444	2.8
20	Thailand	Monsoonal	2006	10	10	2006	11	4					North East	PRCC	103.609	16.138	6.7
21	Thailand	General	2006	8	20	2006	12	13	164	2,212,413	9,940	0.002	North	EM-DAT	100.017	18.765	7.7
22	Thailand	Monsoonal	2006	5	31	2006	5	31					Central	PRCC	100.914	15.127	4.1
23	Thailand	Flash	2006	5	22	2006	6	11	116	342,895	25,000	0.005	North	EM-DAT	100.149	18.181	6.5
24	Thailand	General	2006	2	10	2006	2	18		2,000			South	EM-DAT	102.536	4.326	5.9
25	Thailand	Flash	2005	11	23	2006	1	12	55	700,000	97,000	0.022	South	EM-DAT	100.124	7.205	6.9
26	Thailand	Flash	2005	8	13	2005	8	31	21	119,310	121,000	0.027	North	EM-DAT	99.369	19.069	7.1
27	Thailand	General	2004	12	10	2004	12	18	2	5,000	175,000	0.042	South	EM-DAT			
28	Thailand	Flash	2004	9	15	2004	9	15	2	2,000			North	EM-DAT			
29	Thailand	General	2004	8	6	2004	8	30	9	500,000			Central	EM-DAT	103.073	15.397	7.6
30	Thailand	Heavy rain	2004	7	27	2004	8	2	3				North East	PRCC	103.937	15.848	5.1
31	Thailand	Monsoonal	2004	6	4	2004	6	21	1	4,000			North	PRCC	100.168	17.107	6.1
32	Thailand	Torrential	2004	5	20	2004	5	23	8				North West	PRCC	98.601	17.027	3.3
33	Thailand	Flash	2003	12	11	2003	12	11	6	104,700	1,400	0	South	EM-DAT	99.665	8.655	5.2
34	Thailand	General	2003	10	15	2003	10	15	3	3,000	25,000	0.007	Central	EM-DAT	98.79	12.559	5.6
35	Thailand	General	2003	10	3	2003	10	25					South	EM-DAT	100.097	6.647	6
36	Thailand	Monsoonal	2003	9	12	2003	10	12	7	10,000	3,690	0.001	North and North-East	PRCC	101.593	17.373	7
37	Thailand	Heavy rain	2003	8	5	2003	8	7	2				Central	PRCC	102.261	12.629	4.3
38	Thailand	Flash	2002	10		2002	10		154	3,289,420	35,827	0.01	North	EM-DAT			
39	Thailand	Flash	2002	9	29	2002	9	29		1,500			North-East	EM-DAT			
40	Thailand	Monsoonal	2002	9	17	2002	12	2	1	3,000			Central	PRCC	100.951	14.974	7
41	Thailand	Monsoonal	2002	8	18	2002	11	26	65	400,000	32,000	0.009	North	PRCC	103.527	16.772	7.9
42	Thailand	Heavy rain	2002	8	17	2002	9	20	2	150,000			West	PRCC	98.361	17.159	6.3
43	Thailand	Monsoonal	2001	12	24	2001	12	24		25,000	0,297	0	South	PRCC	100.193	8.041	3.9
44	Thailand	Monsoonal	2001	8	31	2001	8	31		4,000			North-East	EM-DAT			
45	Thailand	Flash	2001	8	8	2001	9	6	104	450,109	24,500	0.008	North	EM-DAT	105.953	18.361	4.8
46	Thailand	Flash	2001	6	27	2001	6	27		1,000			South	EM-DAT			
47	Thailand	Flash	2001	5	4	2001	5	4	33	5,140			North	EM-DAT			
48	Thailand	Flash	2001	5	4	2001	5	5	83	4,130	4,000	0.001	North	EM-DAT	99.075	17.965	4.6
49	Thailand	General	2001	3	11	2001	3	11	2	6,000			South	EM-DAT			
50	Thailand	General	2000	11	21	2000	11	21	51	808,801	57,500	0.019	South	EM-DAT			
51	Thailand	General	2000	9		2000	9		9	12,500	0,506	0	Central	EM-DAT			
52	Thailand	Monsoonal	2000	7	11	2000	8	10	47	2,500,000	51,050	0.016	North	EM-DAT	105.064	11.243	6.6
53	Thailand	General	2000	6	21	2000	6	21		2,500			North	EM-DAT			
54	Thailand	Storm	1999	12	23	1999	12	23		200	0,267	0	South	EM-DAT			
55	Thailand	General	1999	12	4	1999	12	7	2	2,000			South	EM-DAT	104.168	14.822	5.8
56	Thailand	Storm	1999	10	25	1999	11	9	10	170,000			Central	EM-DAT			
57	Thailand	Flash	1999	8		1999	8			882			Central	EM-DAT			
58	Thailand	Flash	1999	7	24	1999	8	5	7	90,700	13,000	0.004	North	EM-DAT	107.245	14.795	6.6
59	Thailand	Flash	1999	2	9	1999	2	13	3	20,000			North-East	EM-DAT	102.126	15.546	5.8
60	Thailand	General	1997	9	18	1997	9	18	14				North-East	EM-DAT			
61	Thailand	Monsoonal	1997	8	19	1997	9	1	46	300,000			North-East	PRCC	103.765	17.038	5.8
62	Thailand	Monsoonal	1997	8	19	1997	9	1	46	200,000			South	PRCC	98.967	9.321	5.7
63	Thailand	Monsoonal	1996	10	3	1996	10	28	60				Central	PRCC	100.456	14.041	6.5
64	Thailand	General	1996	6	30	1996	10	22	91	5,000,000	0,500	0	North and Central	EM-DAT			
65	Thailand	General	1995	8	1	1995	11	9	231	4,280,984	140,500	0.05	North	EM-DAT	101.558	14.964	8.1
66	Thailand	General	1994	10	21	1994	10	21	11	112,257	30,000	0.012	EM-DAT				
67	Thailand	Storm	1994	9	25	1994	9	25	31				Central	EM-DAT			
68	Thailand	Heavy rain	1994	9	3	1994	12	18	407	200,000	208,000	0.083	South	PRCC	104.452	16.19	7.1
69	Thailand	General	1994	7		1994	7		60	59,000	238,000	0.095	EM-DAT				
70	Thailand	General	1993	12	16	1993	12	29	14	192,674	400,100	0.178	South	EM-DAT	100.419	7.283	5.8
71	Thailand	Flash	1993	11	27	1993	12	2	23	393,809	1261,000	0.562	South	EM-DAT	99.898	8.158	5.5
72	Thailand	General	1993	10	31	1993	10	31	4	302,862	319,850	0.142	South	EM-DAT			
73	Thailand	General	1991	10	26	1991	10	26	1	14,574	1,478	0.001	South	EM-DAT			
74	Thailand	Heavy rain	1991	9	5	1991	9	8	16	2,000	6,400	0.003	North	PRCC	99.937	19.73	4.7
75	Thailand	General	1991	8		1991	8		16	2,000			Samai (South)	EM-DAT			
76	Thailand	Torrential	1991	7	25	1991	7	27	1				South	PRCC	99.942	6.78	4.2
77	Thailand	General	1988	11	19	1988	11	27	664	1,114,819	169,146	0.139	South	EM-DAT	99.82	8.297	6.4
78	Thailand	Torrential	1988	9	18	1988	10	5	19	16,000			Central	PRCC	101.507	16.079	6.6
79	Thailand	General	1987	11	30	1987	11	30	24		7,200	0.007	South	EM-DAT			
80	Thailand	General	1986	5	8	1986	5	8	42	27,801	2,000	0.002	Central (Bangkok)	EM-DAT	100.638	15.065	5.8
81	Thailand	Flash	1985	10	12	1985	10	12	18	7,640	3,600	0.004	Central	EM-DAT	99.642	12.943	4.9
82	Thailand	General	1984	12		1984	12		17	34,571	3,000	0.004	Central, East	EM-DAT			
83	Thailand	General	1984	1	19	1984	1	19		751,600	400,000	0.506	Central (Bangkok)	EM-DAT			
84	Thailand	General	1983	8		1983	8		50	1,000,000			Central (Bangkok)	EM-DAT			
1	Viet Nam	General	2012	9	2	2012	9	7	16	17,798			North	EM-DAT	105.458	19.063	5
2	Viet Nam	General	2011	10	21	2011	10	21	13	461,584			Central	EM-DAT			
3	Viet Nam	General	2011	9	14	2011	9	14	24	300,000	44,000	0.015	North	EM-DAT			
4	Viet Nam	General	2011	9		2011	9		85	600,000	175,002	0.058	South	EM-DAT			
5	Viet Nam	General	2010	11	12	2010	11	17	50	10,000	256,000	0.092	Central	EM-DAT			
6	Viet Nam	Torrential	2010	11	2	2010	11	27	143	1,000,000			Central	PRCC	108.003	15.182	6.4
7	Viet Nam	General	2010	10	29	2010	11	10	31	39,008	107,700	0.039	South	EM-DAT	108.92	12.518	5.4
8	Viet Nam	Torrential	2010	10	15	2010	10	21	112	3,000			Central	PRCC	105.524	16.705	6.1
9	Viet Nam	General	2010	10	14	2010	10	18	21	761,000	154,000	0.056	North	EM-DAT			
10	Viet Nam	Torrential	2010	10	2	2010	10	12	149	150,000			Central	PRCC	105.3	16.83	5.3
11	Viet Nam	Flash	2010	10	1	2010	10	6	84	679,825	142,500	0.051	North	EM-DAT			
12	Viet Nam	Storm	2010	7	23	2010	7	25	8	12,400			North	PRCC	105.951	22.107	5.3
13	Viet Nam	Storm	2009	10	23	2009	10	26	1				Central	PRCC	107.39	15.565	5.1
14	Viet Nam	General	2009	9	25	2009	9	28	17	40,000			Central	EM-DAT	108.022	15.189	5.5
15	Viet Nam	General	2009	7	3	2009	7	6	20	700,000			North	EM-DAT			
16	Viet Nam	General	2008	12	25	2009	1	5	9	20,000			Central	EM-DAT			
17	Viet Nam	Flash	2008	10	27	2008	11	4	99	600,000	479,000	0.199	North	EM-DAT			
18	Viet Nam	Flash	2008	10	19	2008	10	20	29	12,							



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No.	Country	Cause	Disaster Start			Disaster End			Damage				Affected Region	Reference	Location		
			Year	Month	Day	Year	Month	Day	Killed	Affected People	Amount (Million US\$)	Amount/GDP-PPP (%)			Latitude	Logitude	Flood Magnitude
38	Viet Nam	Flash	2005	12	4	2005	12	24	69	18,000	27,000	0.015	Central	EM-DAT	108.583	13.607	6.1
39	Viet Nam	Heavy rain	2005	11	18	2005	11	21	5	3,000			Central	PRCC	108.104	15.525	4.8
40	Viet Nam	Flash	2005	10	20	2005	10	28	67	33,800	12,000	0.007	Central	EM-DAT	109.071	12.753	5.4
41	Viet Nam	General	2005	10	7	2005	10	10	17	10,000	15,000	0.008	Central	EM-DAT	106.82	17.126	4.6
42	Viet Nam	General	2005	9	8	2005	9	29	39	30,000			South	EM-DAT	105.735	10.707	6.9
43	Viet Nam	Heavy rain	2005	8	13	2005	8	18	13				North	PRCC	104.857	19.17	4.8
44	Viet Nam	General	2005	5	26	2005	5	26		593			South	EM-DAT			
45	Viet Nam	General	2004	8	24	2004	10	21	34	30,000			South	EM-DAT	105.824	10.318	6.4
46	Viet Nam	Flash	2004	7	18	2004	7	28	53	18	8,000	0.005	North	EM-DAT	105.869	22.5641	5.1
47	Viet Nam	General	2004	4	16	2004	4	17	9	5,000			North	EM-DAT	103.941	21.279	3.8
48	Viet Nam	Heavy rain	2003	11	24	2004	11	26	3				Central	PRCC	108.35	15.612	4.1
49	Viet Nam	General	2003	11	11	2003	11	14	61	194,049	35,000	0.024	Central	EM-DAT	108.979	12.905	5.4
50	Viet Nam	Storm	2003	10	15	2003	10	22	52	221,774	32,000	0.022	Central	EM-DAT	108.846	14.768	4.9
51	Viet Nam	General	2003	9	10	2003	9	14	15	1,000	38,000	0.026	North	EM-DAT	105.73	19.401	5.2
52	Viet Nam	Heavy rain	2003	8	4	2003	8	8					South	PRCC	106.447	10.542	4.9
53	Viet Nam	Torrential	2003	8	2	2003	8	5	12				South	PRCC	107.896	12.982	4.2
54	Viet Nam	General	2003	7	25	2003	8	1	5				North	PRCC	103.048	21.871	5
55	Viet Nam	Heavy rain	2002	11	3	2002	11	7	2		0.200	0	Central	PRCC	109.23	12.529	4.6
56	Viet Nam	Heavy rain	2002	10	26	2002	10	29	2				South	PRCC	108.878	14.206	4.5
57	Viet Nam	General	2002	9	20	2002	9	30	55	291,616	58,000	0.044	North	EM-DAT	105.175	18.578	5.6
58	Viet Nam	General	2002	9		2002	9		82	1,138,200	23,900	0.019	North	EM-DAT			
59	Viet Nam	Monsoonal	2002	8	19	2002	8	24	4	6,000	3,000	0.002	Central	PRCC	108.131	12.646	4.9
60	Viet Nam	Heavy rain	2002	8	14	2002	8	22	29	80,000	2,000	0.002	North	PRCC	104.679	22.564	6
61	Viet Nam	General	2002	7	31	2002	8	6	10	2,000	2,200	0.002	North	EM-DAT	103.689	22.108	5.3
62	Viet Nam	Monsoonal	2002	7	15	2002	12	2	155	200,000	25,400	0.019	South	PRCC	105.254	10.502	6.8
63	Viet Nam	Heavy rain	2002	6	20	2002	6	23	4		0.724	0.001	South	PRCC	107.069	11.789	3.9
64	Viet Nam	Heavy rain	2002	6	9	2002	6	11					North	PRCC	105.025	22.78	3.8
65	Viet Nam	Heavy rain	2002	5	12	2002	5	15	6		2,000	0.002	North	PRCC	104.442	22.052	5.6
66	Viet Nam	Storm	2001	11	4	2001	11	4		3,000			South	EM-DAT			
67	Viet Nam	Flash	2001	10	20	2001	10	24	28	35,006	4,700	0.004	Central	EM-DAT			
68	Viet Nam	Heavy rain	2001	8	20	2001	8	22	11	640	0.400	0.001	South	PRCC	108.296	12.091	4.8
69	Viet Nam	General	2001	8	15	2001	11	19	310	1,570,270	84,000	0.07	North	EM-DAT			
70	Viet Nam	Torrential	2001	7	3	2001	7	6	32	13,000			North	PRCC	105.583	21.664	5
71	Viet Nam	General	2001	6	30	2001	6	30	9	175			North	EM-DAT			
72	Viet Nam	Heavy rain	2001	5	15	2001	5	17	2		0.965	0.001	Central	PRCC	107.55	16.307	4.2
73	Viet Nam	General	2000	11	18	2000	11	26	36	25,003	15,000	0.014	Central	EM-DAT	108.567	14.79	5.6
74	Viet Nam	Monsoonal	2000	10	10	2000	10	19	23	200,000			Central	PRCC	107.684	12.292	5.9
75	Viet Nam	Monsoonal	2000	8	26	2000	9	1					South	PRCC	106.195	11.544	6.3
76	Viet Nam	General	2000	7	11	2000	8	10	460	5,000,004	250,000	0.226	North	EM-DAT	105.064	11.243	6.6
77	Viet Nam	Torrential	2000	5	31	2000	6	2	3				Central	PRCC	108.358	12.124	4.1
78	Viet Nam	General	1999	12	2	1999	12	10	127	2,163,694	53,000	0.052	Central	EM-DAT	107.876	16.181	6.1
79	Viet Nam	Storm	1999	10	25	1999	11	9	622	3,504,412	237,000	0.234	Central	EM-DAT			
80	Viet Nam	Flash	1999	7	24	1999	8	5	40	115,175	19,500	0.019	South and Central	EM-DAT	107.245	14.795	6.6
81	Viet Nam	Heavy rain	1998	11	13	1998	11	16	17		17,000	0.018	Central	PRCC	107.783	15.94	5
82	Viet Nam	General	1998	10	16	1998	10	23	45	32,505	13,700	0.014	Central	EM-DAT	109.082	13.329	5.3
83	Viet Nam	Heavy rain	1998	6	28	1998	7	11	4	12,000			North	PRCC	105.344	21.565	5.6
84	Viet Nam	Heavy rain	1998	6	9	1998	6	10					North	PRCC	105.136	21.327	3.8
85	Viet Nam	Heavy rain	1997	8	1	1997	8	7	12	800			North	PRCC	104.011	21.883	5.3
86	Viet Nam	Heavy rain	1996	10	1	1996	11	13	162	200,000	50,000	0.062	South	PRCC	105.275	10.201	6
87	Viet Nam	General	1996	10	1	1996	11	13	162	375,000	138,000	0.17	South	EM-DAT			
88	Viet Nam	General	1996	9	14	1996	9	19	60		13,400	0.017	Central	EM-DAT			
89	Viet Nam	Monsoonal	1996	8	18	1996	8	25	55	90,000			North	PRCC	104.581	21.757	6.1
90	Viet Nam	General	1995	9	21	1995	10	19	253	400,000	86,000	0.118	Central	EM-DAT			
91	Viet Nam	General	1994	9	4	1994	12	18	310	382,000	208,000	0.317	South	EM-DAT			
92	Viet Nam	Heavy rain	1994	7	15	1994	7	31	21	172	2,300	0.004	North	PRCC	102.98	21.818	5.8
93	Viet Nam	Flash	1993	10	2	1993	10	12	64	15,000	10,000	0.017	South	EM-DAT	106.625	17.429	5.8
94	Viet Nam	Storm	1992	10	28	1992	10	31	1	58,000			Central	EM-DAT			
95	Viet Nam	General	1992	10	5	1992	10	9	55	51,698	47,700	0.09	North	EM-DAT	106.367	17.532	5.4
96	Viet Nam	Heavy rain	1992	7	28	1992	7	31		38,000			North	PRCC	105.195	22.073	4.4
97	Viet Nam	General	1991	9	19	1991	9	25	136	21,000	38,500	0.081	EM-DAT	EM-DAT	105.635	10.208	5.2
98	Viet Nam	General	1991	8		1991	8		21	270,600	5,000	0.011	South	EM-DAT			
99	Viet Nam	General	1991	7	28	1991	7	31	38	4,014	3,200	0.007	North	EM-DAT	103.614	21.721	5.1
100	Viet Nam	General	1990	6	20	1990	7	8	82	10,200	0.725	0.002	North	EM-DAT	108.266	12.548	5.19
101	Viet Nam	Heavy rain	1990	6	20	1990	7	8	13	4,000	0.725	0.002	North	PRCC	104.096	21.334	5.4
102	Viet Nam	Heavy rain	1990	6	12	190	6	20	20				Central	PRCC	108.266	12.548	5.2
103	Viet Nam	Torrential	1987	12	5	1987	12	10	86	40,000			Central	PRCC	108.372	13.99	5.4
104	Viet Nam	General	1986	12	3	1986	12	5	165				Central	EM-DAT	106.708	13.915	5.2
105	Viet Nam	Heavy rain	1986	7	25	1986	8	4					North	PRCC	105.593	21.574	5.9
106	Viet Nam	General	1985	9	7	1985	9	7	93	2,800,000			North (Hanoi)	EM-DAT	106.251	20.845	5.3
107	Viet Nam	General	1984	10		1984	10		33	38,000			Central	EM-DAT			

A3.2 Earthquake

No.	Country	Name/ Region	Date			Damage				Origin		Magnit ude	max. MMI
			Year	Month	Day	Killed	Affected People	Amount (Million US\$)	Amount /GDP PPP (%)	North	East		
1	Indonesia	BANDA SEA	1629	8	1					-4.600	129.900		
2	Indonesia	BANDA SEA	1630							-4.600	129.900		
3	Indonesia	BANDA SEA	1657	12						-3.000	128.000		
4	Indonesia	BANDA SEA	1659	11	9					-6.920	129.125		
5	Indonesia	N. MOLUCCAS ISLANDS	1673	5	20					1.375	127.520		
6	Indonesia	BANDA SEA	1673	7	12					-3.000	128.000		
7	Indonesia	N. MOLUCCAS ISLANDS	1673	8	12					1.375	127.520		
8	Indonesia	AMBON ISLAND, SERAM ISLAND	1674	2	17	86				-3.750	127.750	6.8	
9	Indonesia	BANDA SEA	1674	5	6					-3.700	128.200		
10	Indonesia	SUMATRA: MENTAWAI ISLANDS	1681	12	11								
11	Indonesia	BANDA SEA	1708	11	28					-3.690	128.150		
12	Indonesia	BANDANEIRA	1710	3	6					-4.530	129.900		
13	Indonesia	BANDA SEA	1711	9	5					-4.000	129.000	7	
14	Indonesia	JAVA: DJAKARTA (JAKARTA)	1722	10						-6.174	106.829		
15	Indonesia	AMBON ISLAND	1754	8	18	4				-3.500	128.500	6.5	
16	Indonesia	BANDA SEA	1754	9	7					-3.500	128.500		
17	Indonesia	JAKARTA	1757	8	24					-6.000	107.000	7.5	
18	Indonesia	BANDANEIRA	1763	9	12					-6.000	130.000		
19	Indonesia	SUMATRA:	1770							-5.000	102.000	7	
20	Indonesia	BANDA SEA	1775	4	18					-3.700	128.200		
21	Indonesia	SW. SUMATRA	1797	2	10					0.001	99.000	8	
22	Indonesia	BANDA SEA	1802	8						-3.700	128.200		
23	Indonesia	TIMOR ISLAND, KUPANG, KISSAR ISLAND	1814							-10.217	123.633		
24	Indonesia	AMBON ISLAND	1815	4	11					-3.700	128.400		
25	Indonesia	BALI	1815	11	22	10.253				-8.000	115.000	7	
26	Indonesia	INDONESIA: MALAYSIA: PENANG ISLAND	1816	5	1					5.000	96.500		
27	Indonesia	INDONESIA: SUMATRA: BENGKULU	1818	3	18					-4.000	101.500	7	
28	Indonesia	SUMBAWA ISLAND: BIMA	1818	11	8					-7.000	117.000	8.5	
29	Indonesia	SULAWESI: MAKASAR	1820	12	29					-7.000	119.000	7.5	
30	Indonesia	JAVA	1823	9	9					-6.500	108.500	6.8	
31	Indonesia	SULAWESI	1828	12	29					-7.000	119.000		9
32	Indonesia	SUMATRA: BENGKULU	1833	11	24					-2.500	100.500	8.3	9
33	Indonesia	JAVA: BOGOR, CINAJUR	1834	10	10					-6.700	107.000		9
34	Indonesia	MALUKU: AMBON	1835	11	1					-3.700	128.200		9
35	Indonesia	BANDA ATJEH	1837	9	29					5.500	96.000	7.3	
36	Indonesia	SUMBAWA ISLAND: BIMA	1837	11	28					-8.500	118.500		9
37	Indonesia	JAVA: PURWOREJO	1840	1	4					-8.000	110.500	7	9
38	Indonesia	TERNATE ISLAND	1840	2	14					0.800	127.325		
39	Indonesia	N. MOLUCCAS ISLANDS	1841	11	26					-5.000	130.000		
40	Indonesia	BANDA SEA	1841	12	16					-4.000	127.500	6	8
41	Indonesia	SW. SUMATRA	1843	1	5					1.500	98.000	7.3	
42	Indonesia	JAVA: GENTENG ISLAND	1843	2	7					-7.200	114.000	6	
43	Indonesia	N SULAWESI: MENADO, TIKALA, TOMOHON	1845	2	8	118				1.480	124.850	7	9
44	Indonesia	N. MOLUCCAS ISLANDS	1846	1	25					2.000	126.500	7.3	
45	Indonesia	JAVA: CHERIBON	1847	11	16					-6.670	108.550		
46	Indonesia	JAVA: DJAKARTA: SUMATRA: TELUKBETUNG	1852	1	9					-6.500	105.500	6.5	8
47	Indonesia	SUMATRA: SIBOLGA	1852	11	11					1.500	98.000	6.8	
48	Indonesia	AMBON ISLAND	1852	11	19					-3.700	128.200		
49	Indonesia	MALUKU: BANDANAIIRA	1852	11	25					-5.250	129.750	8.3	9
50	Indonesia	BANDANEIRA	1852	12	24					-5.000	130.500	7	
51	Indonesia	BANDA SEA	1854	1	4					-3.500	128.600	6	
52	Indonesia	TERNATE ISLAND	1854	9	27					0.800	127.400		
53	Indonesia	MALUKU: TERNATE	1855	7	14	34				0.800	127.300		9
54	Indonesia	SANGIHE PULAU (VOLCANIC)	1856	3	2					3.670	125.500		
55	Indonesia	LOMBOK ISLAND	1856	7	25					-8.500	116.000		
56	Indonesia	TIMOR ISLAND: DILHI, GERA	1857	5	13	36				-8.000	115.500	7	
57	Indonesia	SULAWESI ISLAND: KEMA	1857	11	17					1.350	125.200		
58	Indonesia	SULAWESI ISLAND: KEMA	1857	11	18					1.350	125.200		
59	Indonesia	N. MOLUCCAS ISLANDS	1858	12	13					1.000	126.000	7.3	
60	Indonesia	N. MOLUCCAS ISLANDS	1859	6	28					1.000	126.500	7	
61	Indonesia	LONTHOR ISLAND	1859	7	20					-4.600	129.900		
62	Indonesia	SULAWESI	1859	7	29					0.009	125.500	7.3	
63	Indonesia	NEIRA I, LONTHOR I	1859	9	25					-5.500	130.500	6.8	
64	Indonesia	S. JAVA SEA	1859	10	20					-9.000	111.000		
65	Indonesia	SULAWESI: MANADO, BELANG	1859	12	17					0.900	124.900		
66	Indonesia	SULAWESI: MINAHASSA	1860	8						1.300	121.000		
67	Indonesia	HALMAHERA ISLAND	1860	10	6					-1.250	128.500		
68	Indonesia	LAGUNDI, SIMUK, TELLO I	1861	2	16					-1.000	97.500	8.5	9
69	Indonesia	SW. SUMATRA	1861	3	9					0.009	98.000	7	
70	Indonesia	SW. SUMATRA	1861	4	26					1.000	97.500	7	
71	Indonesia	SW. SUMATRA	1861	6	17					1.000	97.500	6.8	
72	Indonesia	SW. SUMATRA	1861	9	25					-1.500	100.000	6.5	
73	Indonesia	JAVA	1863	3	16					-6.100	106.700		
74	Indonesia	JAVA: BANYUMAS	1863	7	31					-7.500	109.300		
75	Indonesia	IRIAN JAYA: MANOKWARI	1864	5	23					-1.000	135.000	7.8	7
76	Indonesia	JAVA: AMBARAWA	1865	7	16					-7.200	110.300		
77	Indonesia	JAVA: JOGYAKARTA, SURAKARTA	1867	6	10	5				-7.800	110.400		9
78	Indonesia	GORONTALO	1871	8	25					0.500	123.000		
79	Indonesia	W JAVA: KUNINGAN	1875	10	25	7				-6.900	108.300		8
80	Indonesia	BURU ISLAND, CERAM SEA	1876	5	28					-3.000	127.250	6.8	7
81	Indonesia	BANDANEIRA	1882	10	10					-4.500	129.900	7.5	
82	Indonesia	BURU I, AMBON I, HARUKU I	1885	4	30					-2.500	127.500	7.3	
83	Indonesia	SUMATRA: AJERBANGIS	1885	7	29						99.500	6.8	
84	Indonesia	BANDA ATJEH	1885	12	14					5.550	95.300		
85	Indonesia	KOETA RADJA (ATJEH)	1886	1	31					5.600	95.300		
86	Indonesia	SUMATERA: SIGLI	1887	5	19					5.400	96.000		
87	Indonesia	SUMATERA: BREUEH ISLAND	1888	3	21					5.800	95.000		
88	Indonesia	N. MOLUCCAS ISLANDS	1889	9	6					1.000	126.250	8	
89	Indonesia	MADURA ISLAND, JAVA	1889	11	23					-7.000	113.500	6	
90	Indonesia	BANDANEIRA	1890	11	23					-4.500	129.900		7
91	Indonesia	JAVA: PATI	1890	12	12					-6.760	111.040		8
92	Indonesia	SUMATERA: SIGLI	1891	5	19					5.400	96.000		
93	Indonesia	SUMATRA: PADANGSIDIMPUAN, LAKE TOBA	1892	5	17					2.500	99.500		6
94	Indonesia	SERAM ISLAND	1892	11	18					-3.000	127.750	7	
95	Indonesia	TIMOR: ALOR ISLAND	1896	4	18	250				-8.250	124.750		8
96	Indonesia	SW. SUMATRA, JAVA	1896	10	10					-3.500	102.500	6.8	
97	Indonesia	KAJUADI ISLAND	1897	3	15					-6.800	120.800	5.5	
98	Indonesia	BANDA SEA	1899	9	29	2.460				-3.000	128.500	7.8	
99	Indonesia	GALELA (HALMAHERA ISLAND)	1900	1	10					-0.030	127.250		

### A3.2 Earthquake

No.	Country	Name/ Region	Date			Damage				Origin		Magnit ude	max. MMI
			Year	Month	Day	Killed	Affected People	Amount (Million US\$)	Amount /GDP PPP (%)	North	East		
100	Indonesia	JAVA: SUKABUMI	1900	1	14					-6.840	106.960		7
101	Indonesia	NW. IRIAN JAYA	1900	10	7					-4.000	140.000	7.8	
102	Indonesia	S OF JAVA	1903	2	27					-8.000	106.000	8.1	
103	Indonesia	TIFU, MASARETE, KAJELI	1903	3	30					-3.000	127.500	6.5	
104	Indonesia	S. JAVA	1904	9	7					-7.700	109.000		
105	Indonesia	MINAHASSA PENINSULA	1905	1	22					1.000	123.000	8.4	
106	Indonesia	NW SUMATRA: GUNUNGSITOLI; BARUS	1907	1	4					2.000	94.500	7.8	
107	Indonesia	TALAUD ISLANDS: KARAKELONG ISLAND	1907	3	29					3.000	122.000	7.3	
108	Indonesia	DJAILOLO GILOLO	1907	6	25					1.000	127.000	7.9	
109	Indonesia	SULAWESI: LEMO, COLO, ANJA, OLU CONGKO	1907	7	30					-2.000	121.000		8
110	Indonesia	SW. SUMATRA	1908	2	6					-2.000	100.000	7.5	
111	Indonesia	TIMOR	1908	3	23					-10.000	129.000	6.6	
112	Indonesia	CELEBES SEA	1908	5	5					3.000	123.000	7.5	
113	Indonesia	SW SUMATRA: KERINTJI, REDJANGLEBONG	1909	6	3					-2.000	101.000	7.6	
114	Indonesia	TALAUD ISLANDS	1910	12	16					4.500	126.000	7.5	
115	Indonesia	SULAWESI-N. MOLUCCAS ISLANDS	1910	12	18					4.000	127.000	6.7	8
116	Indonesia	SANGIHE ISLAND	1913	3	14	138				4.500	126.500	7.9	9
117	Indonesia	NEW GUINEA: IRIAN JAYA: JAPEN	1914	5	26	11				-2.000	137.000	7.9	9
118	Indonesia	SUMATRA: LAIS	1914	6	26	20	20			-3.5	102		-
119	Indonesia	SUMATRA: LAIS	1914	7	26					-3.500	102.000		
120	Indonesia	KAJIMANA	1915	5	23					-3.644	133.695		
121	Indonesia	NW. IRIAN JAYA	1915	11	6					-1.000	136.000	6	
122	Indonesia	NEW GUINEA: IRIAN JAYA	1916	1	13					-3.000	136.000	8.1	
123	Indonesia	NEW GUINEA: IRIAN JAYA	1916	1	13					-3.000	135.500	8.1	
124	Indonesia	INDONESIA	1916	9	11					-9.000	113.000	7.3	
125	Indonesia	BALI	1917	1	21	15.000				-7	116	6.6	9
126	Indonesia	BANDA SEA	1917	8	30					-7.500	128.000	7.8	
127	Indonesia	BANDA SEA	1918	11	18					-7.000	129.000	8.1	
128	Indonesia	IRIAN JAYA REGION	1919	11	21								8
129	Indonesia	N. MOLUCCAS ISLANDS	1920	1	29					0.870	122.920		
130	Indonesia	SANGKULIRANG.RENDING.KARIORANG.SEKURAN	1921	5	14					0.700	117.900	6.2	8
131	Indonesia	S OF JAVA	1921	9	11					-11.000	111.000	7.5	
132	Indonesia	NEW GUINEA: IRIAN JAYA: SENTANI	1921	10	10					-2.300	138.800		7
133	Indonesia	BANDA	1922	2	22					-3.300	128.900		
134	Indonesia	SW. SUMATRA	1922	4	10					-1.000	100.350		
135	Indonesia	JAVA: MAOS	1923	5	15					-7.700	109.200		9
136	Indonesia	DJAILOLO GILOLO	1923	10	7					-1.750	128.750	7.5	
137	Indonesia	JAVA	1924	11	12	60				-7.300	109.800		
138	Indonesia	JAVA: WONOSOBO	1924	12	2	727	11.250			-7.3	109.9	-	9
139	Indonesia	BANDA SEA	1925	1	8					-8.000	115.000		3
140	Indonesia	SUMATERA	1926	6	28					-0.700	100.600	5.8	9
141	Indonesia	SUMATRA	1926	7	5					-0.300	100.400		
142	Indonesia	NEW GUINEA: IRIAN JAYA	1926	10	26					-3.500	138.500	7.9	
143	Indonesia	JAVA: PRUPUK,MARGARSARI,DUBUKTENGAH	1926	12	13					-7.100	109.000		9
144	Indonesia	SULAWESI: DONGGALA	1927	12	1	50	50			-0.7	119.7	6.3	7
145	Indonesia	JAVA-S. JAVA SEA	1930	6	19					-5.600	105.300	6	
146	Indonesia	S. JAVA SEA	1930	7	19					-9.300	114.300	6.5	
147	Indonesia	AMURANG ISLAND	1930	9	11					1.200	124.570		4
148	Indonesia	SW. SUMATRA	1931	9	25					-5.000	102.750	7.4	8
149	Indonesia	SULAWESI: KAKAS,LANGOWAN,POSO,TONDANO	1932	5	14	6	3.075			0.5	126	7.4	7
150	Indonesia	AMBON ISLAND. CERAM ISLAND	1932	9	9					-3.570	128.350		7
151	Indonesia	S SUMATERA	1933	6	24					-5.500	104.800	7.5	9
152	Indonesia	CELEBES SEA	1935	11	25					5.500	94.000	6.5	
153	Indonesia	N SUMATERA: BATU I,PADANG,SIBOLGA	1935	12	28						98.250	7.9	8
154	Indonesia	TALAUD ISLANDS	1936	4	1					4.500	128.500	7.7	9
155	Indonesia	BANDA ACEH,LHOK SUKON,LHOKSEMAWE	1936	8	23	9	20			6.1	94.7	7.3	8
156	Indonesia	N SUMATERA: TAPANULI, KARO	1936	9	9	17				3.5	97.5	-	8
157	Indonesia	JAVA: JOGYAKARTA: KLUMPIT,PRAMBANAN	1937	9	27	1				-9.400	110.200	7.2	9
158	Indonesia	NEW GUINEA: FAKFAK	1937	11	6					-3.000	132.300		
159	Indonesia	NEW GUINEA	1938	2	1					-5.250	130.500	8.5	
160	Indonesia	NEW GUINEA: FAKFAK	1938	2	13					-3.000	132.300		
161	Indonesia	SULAWESI ISLAND	1938	5	20	17	4.710			-1	120	7.6	9
162	Indonesia	CENTRTAL SULAWESI: KALO,LUWUK,SULA I	1939	12	21						123.000	8	
163	Indonesia	MINAHASSA PENINSULA	1942	5	28						124.000	7.5	
164	Indonesia	S SUMATERA	1943	6	9					-1.000	101.000	7.6	
165	Indonesia	JAVA: JOGYAKARTA	1943	7	23	213	16.096			-9.5	110	8.1	8
166	Indonesia	NEW GUINEA: IRIAN JAYA: ARU ISLANDS	1943	11	6					-6.000	134.500	7.6	
167	Indonesia	FLORES	1944	3	22					-8.500	123.500	7.5	
168	Indonesia	SERAM	1948	3	1					-3.000	127.500	7.9	
169	Indonesia	OFF NORTHWEST COAST	1948	6	2					6.000	95.000	6.2	
170	Indonesia	BANDA ACEH	1949	5	9					5.000	95.000	6.7	
171	Indonesia	JAVA: GRESIK	1950	6	19	16				-6.000	113.000	6.5	7
172	Indonesia	SERAM	1950	10	8					-3.800	128.300	7.6	
173	Indonesia	BANDA SEA	1950	11	2					-6.500	129.500	8.1	
174	Indonesia	SUMABAWA: BIMA,RABA	1954	11	2					-8.000	119.000	6.8	8
175	Indonesia	BANDA SEA	1956	7	18					-5.500	130.000	7.5	
176	Indonesia	JAVA SEA	1957	4	16					-4.600	107.100	7.5	
177	Indonesia	NEW GUINEA: IRIAN JAYA	1957	6	22					-1.500	137.000	7.3	
178	Indonesia	S. JAVA SEA	1957	9	26					-8.200	107.300		
179	Indonesia	KALIMANTAN ISLAND	1957	10	26					-2.000	116.000	6	
180	Indonesia	INDOENSIA: SUMATRA: BENGKULU	1958	4	21					-4.500	104.000	6.7	
181	Indonesia	JAVA: MALANG	1958	10	20	8				-9.5	112.5	6.7	8
182	Indonesia	CENTRAL SULAWESI: UNA-UNA ISLAND	1960	4	29					-0.500	121.500		8
183	Indonesia	FLORES: ENDEH	1961	3	16	2				-8.200	122.000	6.5	8
184	Indonesia	BALI	1963	5	18					-8.200	115.600	6	
185	Indonesia	BANDA SEA	1963	11	4					-6.860	129.580	8.3	
186	Indonesia	JAVA: LABUHAN, MENES, PONOROGO	1963	12	16					-6.400	105.400	6.6	
187	Indonesia	SULAWESI: PINRANG	1964	1	8	8				-3.700	119.400	5.2	
188	Indonesia	BANDA ACEH	1964	4	2					5.900	95.700	7	7
189	Indonesia	SANANA ISLAND	1965	1	24	40				-2.4	126.1	7.6	-
190	Indonesia	-	1965	2	0	71				-	-	-	-
191	Indonesia	JAVA: DAMPIT,GONDANG,TRENGGALEK	1967	2	19	54	8.411			-9.2	113.1	6.8	9
192	Indonesia	MAKASSAR STRAIT	1967	4	11	71	100			-3.7	119.3	5.5	-
193	Indonesia	INDONESIA-MALAYSIA: N SUMATERA,MALAY PENINS	1967	4	12	14				5.500	97.300	6.1	
194	Indonesia	NEW GUINEA: IRIAN JAYA	1968	5	28					-2.900	139.300	7.7	
195	Indonesia	MOLUCCA ISLANDS: MANADO, CELEBES	1968	8	10					1.400	126.200	7.6	
196	Indonesia	SULAWESI: TAMBU,COAST OF MAPAGA	1968	8	14					0.200	119.800	7.4	8
197	Indonesia	TALAUD ISLANDS, MINDANAO, VISAYAN	1969	1	30					4.800	127.400	7.5	
198	Indonesia	SULAWESI: PARASANGA, PALETOANG	1969	2	23	64				-3.100	118.900	7.4	

A3.2 Earthquake

No.	Country	Name/ Region	Date			Damage			Origin		Magnit ude	max. MMI
			Year	Month	Day	Killed	Affected People	Amount (Million US\$)	Amount /GDP PPP (%)	North		
199	Indonesia	OFF NW COAST SUMATERA	1969	11	21					2.100	94.600	7.7
200	Indonesia	NEW GUINEA: IRIAN JAYA:DJAJAPURA.SENTANI	1971	1	10					-3.100	139.700	8.1
201	Indonesia	NATAL, SIBOLGA, TARUTUNG, PASAMAN	1971	2	4					0.600	98.800	7.1
202	Indonesia	JAVA: BUARAN,BANTAR KAWSUN,JIPANG	1971	6	16	1				-7.200	109.100	5.2
203	Indonesia	CELEBES SEA	1972	6	11					3.900	124.300	7.8
204	Indonesia	MALUKU: BANDANAIRA	1975	1	15					-5.000	130.000	5.9
205	Indonesia	JAVA	1975	2	9	1				-6.700	106.700	5.6
206	Indonesia	NEW GUINEA: IRIAN JAYA	1976	6	26	420	15,000			-4.603	140.091	7.1
207	Indonesia	BALI	1976	7	14	573	454,755	195	0.18122	-8.17	114.888	6.5
208	Indonesia	NEW GUINEA: IRIAN JAYA: JAYAWIJAYA	1976	10	29	133	7,000			-4.517	139.918	7.1
209	Indonesia	BALI: KAYUBIHI,BANJAR ANTUGAN JEHEM	1977	1	26					-8.220	115.190	5.2
210	Indonesia	SUMATERA,SINURAT,TALU	1977	3	8					0.450	100.020	6
211	Indonesia	SUNDA ISLANDS	1977	8	19	185	3,975	1	0.00112	-11.085	118.464	8
212	Indonesia	-	1977	8	27	2	25					
213	Indonesia	BALI	1979	5	21					-8.299	115.934	5.4
214	Indonesia	SUMBAWA ISLAND	1979	5	30	34	36,048	4	0.00386	-8.207	115.949	5.8
215	Indonesia	NEW GUINEA: IRIAN JAYA	1979	9	12	2	5,005			-1.679	136.04	7.9
216	Indonesia	SUMBAWA ISLAND	1979	10	20	2				-8.254	115.847	6.2
217	Indonesia	JAVA	1979	11	2	26	43,200	16	0.01487	-7.656	108.252	6.1
218	Indonesia	S SUMATERA	1979	12	15	5	1,500			-3.299	102.712	6.6
219	Indonesia	SUMBAWA ISLAND: BALI, LOMBOK	1979	12	18	32	619			-8.39	115.889	6.3
220	Indonesia	JAVA: TASIKMALAJA	1980	4	16					-8.082	108.793	5.8
221	Indonesia	-	1980	9	5		20,000					
222	Indonesia	NEW GUINEA: IRIAN JAYA: JAYAWIJAYA MTS	1981	1	22	306	2,682			-4.576	139.232	6.7
223	Indonesia	JAVA, SUKABUMI	1982	2	10			4	0.00255	-6.863	106.936	5.5
224	Indonesia	NORTHERN SUMATERA	1982	2	24		15,000	4	0.00255	4.374	97.755	5.4
225	Indonesia	SUMBAWA ISLAND REGION	1982	3	11					-9.265	118.479	6.4
226	Indonesia	FLORES ISLANDS: RUTENG	1982	8	6					-8.375	120.577	5.6
227	Indonesia	FLORES ISLAND: EASTERN	1982	12	25	13	8,817	1	0.00106	-8.405	123.08	5.9
228	Indonesia	BANDA SEA	1983	3	12					-4.056	127.924	6.5
229	Indonesia	SUMATERA: BANDA ACEH	1983	4	3		100	1	0.00067	5.723	94.722	6.6
230	Indonesia	CELEBES: MINAHASSA: TOLITOLI	1983	10	16					1.084	121.052	6
231	Indonesia	CENTRAL SULAWESI	1983	10	25	2				1.131	120.858	6.1
232	Indonesia	SULAWESI: W	1984	1	10	2	89			-2.823	118.806	6.6
233	Indonesia	N SUMATERA: TARUTUNG	1984	8	27		1,858	1	0.00061	1.761	99.075	5.2
234	Indonesia	DENPASAR, BALI	1985	4	13					-9.245	114.185	6.2
235	Indonesia	NEW GUINEA: IRIAN JAYA: ENAROTALI	1985	9	15	10	7			-4.13	136.049	6.3
236	Indonesia	NEW GUINEA: IRIAN JAYA: MANOKWARI	1985	11	17					-1.639	134.911	7.1
237	Indonesia	SUMATERA: S. HAHAT, MUARAENIM	1986	1	29					-3.904	103.461	5
238	Indonesia	SUMATERA: N. TARUTUNG-LAKE TOBA,	1987	4	26	2	15,001			2.244	98.866	6.6
239	Indonesia	TIMOR: PANTAR, MOUNT SIRUNG	1987	11	26	125	17,100	5	0.00245	-8.247	124.155	6.5
240	Indonesia	MOLUCCA PASSAGE: MOROTAI, TANAWANGU	1989	3	8		5,500			1.031	126.189	5.6
241	Indonesia	TIMOR: ALOR	1989	7	14		197			-8.081	125.129	6.2
242	Indonesia	KURIMA DISTRICT, BALIEM RIVER	1989	8	1	120	17,196			-4.511	139.022	5.8
243	Indonesia	TEMBAGAPURA	1989	9	4					-4.219	136.667	6
244	Indonesia	MINAHASSA PENINSULA: BOLAANG-GORONTALO	1990	4	18	5	7,036			1.186	122.857	7.6
245	Indonesia	JAVA: W. KUNINGAN, MAJALENGA	1990	7	6		103			-6.904	108.12	4.8
246	Indonesia	N SUMATERA, BLANGKEJEREN, KUTACANE	1990	11	15	1	2,172	2	0.00076	3.908	97.457	6.8
247	Indonesia	MINAHASSA: GORONTALO, MAMADO	1991	6	20		1,000			1.196	122.787	7.5
248	Indonesia	TIMOR: KALABAHI, DILI	1991	7	4	28	16,191	18	0.00587	-8.099	124.681	6.5
249	Indonesia	JAWA, BREBES	1992	2	4		7,501			-7.138	109.067	4.4
250	Indonesia	FLORES REGION, MAUMERE, BABI	1992	12	12	2,500	92,103	100	0.02993	-8.48	121.896	7.8
251	Indonesia	KAU	1994	1	21	7	200,040			1.015	127.733	7
252	Indonesia	SOUTHERN SUMATERA, LIWA, LAMPUNG	1994	2	16	207	49,399	170	0.04209	-4.967	104.302	6.9
253	Indonesia	JAVA	1994	6	2	239	8,720	2	0.00054	-10.477	112.835	7.8
254	Indonesia	JAVA	1994	6	2					-10.477	112.835	7.8
255	Indonesia	JAVA	1994	6	3					-10.362	112.892	6.6
256	Indonesia	JAVA	1994	6	4					-10.777	113.366	6.5
257	Indonesia	HALMAHERA	1994	10	9	1	2,437			-1.258	127.98	6.8
258	Indonesia	-	1994	11	20		67					
259	Indonesia	IRIAN JAYA REGION	1995	3	19					-4.183	135.109	6.9
260	Indonesia	TIMOR, DILI, MALIANA, MAUBARA	1995	5	14	15	176			-8.378	125.127	6.9
261	Indonesia	-	1995	5	19		1,538					
262	Indonesia	SUMATERA, JAMBI PROVINCE	1995	10	7	84	90,218			-2.045	101.436	6.8
263	Indonesia	SULAWESI: MINAHASSA PENINSULA, TOLITOLI	1996	1	1	9	13,000	1	0.00024	0.729	119.931	7.9
264	Indonesia	NEW GUINEA: IRIAN JAYA: BIAK, SUPIORI	1996	2	17	166	25,638	4	0.00085	-0.891	136.952	8.2
265	Indonesia	N. SUMATERA, ACEH, BANDA ACEH, MEDAN	1997	8	20					4.358	96.494	6
266	Indonesia	SULAWESI, PAREPARE	1997	9	28	20	3,105	1	0.00021	-3.776	119.727	5.9
267	Indonesia	SULAWESI: MINAHASSA PENINSULA, GORONTALO	1997	11	25					1.241	122.536	7
268	Indonesia	JAWA, MALANG, BLITAR, BANTUR	1998	9	28	1	500			-8.194	112.413	6.6
269	Indonesia	MANGOLE, MANADO, TALIBU	1998	11	29	33	6,448	200	0.04346	-2.071	124.891	7.7
270	Indonesia	PANDEGLANG, W JAWA, SE SUMATERA	1999	12	21	5	16,920	4	0.00083	-6.845	105.555	6.5
271	Indonesia	SULAWESI: LUWUK, BANGGAI, PELENG,	2000	5	4	45	52,770	30	0.00599	-1.105	123.573	7.6
272	Indonesia	SUMATRA: BENGKULU, ENGGANO	2000	6	4	103	204,714	41	0.00818	-4.721	102.087	7.9
273	Indonesia	SOUTHERN SUMATERA: LAHAT	2000	6	7	1	3,000			-4.612	101.905	6.7
274	Indonesia	JAWA: BANDUNG, CIBADAK, CIMANDIRI, KADUDAMPIT	2000	7	12		4,124	2	0.0004	-6.675	106.845	5.4
275	Indonesia	-	2000	10	25		5,500					
276	Indonesia	-	2001	2	14							
277	Indonesia	-	2001	6	28		12,512					
278	Indonesia	BANDA SEA	2001	10	19					-4.102	123.907	7.5
279	Indonesia	SULAWESI: TOJO	2002	8	15		2,548			-1.196	121.333	6.2
280	Indonesia	NEW GUINEA: IRIAN JAYA: RANSIKI	2002	9	20		155			-1.68	134.234	6.4
281	Indonesia	NEW GUINEA: MANOKWARI, ORANSBARI, RANSIKI	2002	10	10	8	9,082			-1.757	134.297	7.6
282	Indonesia	SUMATERA: SIMEULUE	2002	11	2	3	60			2.824	96.085	7.3
283	Indonesia	SUMBAWA ISLAND: DOMPU	2003	1	23		2,502			-8.807	118.524	5.5
284	Indonesia	JAVA: CARACAS, CILIMUS, SAMPORA	2003	3	21					-6.983	108.468	4.6
285	Indonesia	FLORES: REO	2003	3	25	4				-8.294	120.743	6.5
286	Indonesia	MOROTAI, BEREBERE, DARUBA	2003	5	27	1	247			2.354	128.855	7
287	Indonesia	HALMAHERA: WASILE	2003	8	11		500			1.142	128.152	6
288	Indonesia	FLORES, RUTENG	2003	12	5					-8.137	120.524	4.9
289	Indonesia	BALI, LOMBOK	2004	1	1	1	30,040	12	0.00185	-8.31	115.788	5.8
290	Indonesia	SERAM	2004	1	28					-3.120	127.400	6.7
291	Indonesia	NABIRE	2004	2	6	37	14,072	1	0.00015	-3.615	135.538	7
292	Indonesia	NABIRE	2004	2	7					-4.003	135.023	7.3
293	Indonesia	SUMATRA: PADANGPANJANG	2004	2	16	5	507			-0.466	100.655	5.1
294	Indonesia	SUMATRA: PESISIR SELATAN	2004	2	22					-1.559	100.488	6
295	Indonesia	SUMATRA: PADANG	2004	4	9					-1.549	100.540	5.4
296	Indonesia	BALI	2004	4	16					-8.669	114.650	5.5
297	Indonesia	TIMOR: KUPANG	2004	4	23					-9.362	122.839	6.7



A3.2 Earthquake

No.	Country	Name/ Region	Date			Damage				Origin		Magnit ude	max. MMI
			Year	Month	Day	Killed	Affected People	Amount (Million US\$)	Amount /GDP PPP (%)	North	East		
298	Indonesia	KEPULAUAN ALOR	2004	11	12	33	83,381			-8.152	124.868	7.5	-
299	Indonesia	NABIRE	2004	11	26	32	12,833	55	0.00846	-3.609	135.404	7.1	8
300	Indonesia	SUMATRA: OFF WEST COAST	2004	12	26	1,001		10,000	1.53799	3.295	95.982	9.1	-
301	Indonesia	SULAWESI: PALU	2005	1	24	1	684			-1.198	119.933	6.3	-
302	Indonesia	JAVA: GARUT	2005	2	2	1				-7.037	107.819	4.8	0
303	Indonesia	SUMATERA: SW	2005	3	28	915	105,313			2.085	97.108	8.7	0
304	Indonesia	PADANG	2005	4	10					-1.644	99.607	6.7	5
305	Indonesia	SUMATRA: NIAS ISLAND: GUNUNGSITOLI	2005	7	5					1.819	97.082	6.7	-
306	Indonesia	SULAWESI: DONGGALA	2005	7	9					-1.174	119.963	5.9	9
307	Indonesia	TIMOR: TIMOR TENGAH UTARA	2005	7	18					-9.948	124.480	5.3	-
308	Indonesia	BANDA SEA	2006	1	27					-5.473	128.131	7.6	-
309	Indonesia	SERAM	2006	3	14	3	1,202			-3.595	127.214	6.7	0
310	Indonesia	N. SUMATRA: TAPAKTUAN	2006	3	28					3.462	97.224	5	-
311	Indonesia	SUMATRA: KALIANDAK	2006	5	12					-5.575	105.395	5.5	-
312	Indonesia	JAVA: BANTUL, YOGYAKARTA	2006	5	27	5,778	3,177,923	3,100	0.40365	-7.961	110.446	6.3	-
313	Indonesia	JAVA	2006	7	17					-9.254	107.411	7.7	-
314	Indonesia	SULAWESI: PINRANG	2006	11	24					-3.728	119.233	5.2	-
315	Indonesia	HALMAHERA: MOROTAI	2006	11	29					2.520	128.283	6.2	-
316	Indonesia	SUMABAWA: BIMA	2006	12	1	1	114			-8.251	118.777	6.3	0
317	Indonesia	SUMATERA: NORTHERN, MUARASIPONGI	2006	12	18	8	1,200			0.626	99.859	5.8	-
318	Indonesia	MOLUCCA ISLANDS: N	2007	1	21	4				1.065	126.282	7.5	-
319	Indonesia	SUMATRA: SOUTHERN	2007	3	6	67	137,660	200	0.04346	-0.493	100.498	6.4	8
320	Indonesia	LABUHA	2007	5	29					-1.065	127.343	6.1	-
321	Indonesia	MALUKU: N	2007	7	26					2.872	127.464	6.9	-
322	Indonesia	JAVA	2007	8	8					-5.968	107.655	7.5	-
323	Indonesia	SITUBONDO	2007	9	9		469			-7.783	114.338	4.8	0
324	Indonesia	SUMATRA	2007	9	12	25	459,567	500	0.05949	-4.438	101.367	8.4	0
325	Indonesia	SUMATRA	2007	9	12					-2.625	100.841	7.9	-
326	Indonesia	SUMBAWA ISLAND	2007	11	25	3				-8.277	118.339	6.5	-
327	Indonesia	SUMBAWA ISLAND	2007	11	26	3	21,800			-8.277	118.339	6.5	-
328	Indonesia	NEW GUINEA: MANOKWARI	2008	1	7					-0.795	134.012	5.9	-
329	Indonesia	SUMATRA: NIAS ISLAND: GUNUNGSITOLI	2008	1	22	1				1.011	97.442	6.1	-
330	Indonesia	SUMATERA: ACEH PROVINCE	2008	2	20	3	25			2.768	95.964	7.4	0
331	Indonesia	SUMATRA: PADANG	2008	2	25					-2.486	99.972	6.5	-
332	Indonesia	SUMATRA: SOUTHERN	2008	9	9	2	625			-3.935	103.058	5.4	0
333	Indonesia	MINAHASSA PENINSULA	2008	11	17	6	10,077			1.271	122.091	7.3	-
334	Indonesia	PAPUA NEW GUINEA: NEAR NORTH COAST	2009	1	4	5	4,250	10	0.00104	-0.414	132.885	7.6	-
335	Indonesia	KEPULAUAN TALAUD	2009	2	11		3,049	9	0.00094	3.884	126.397	7.2	0
336	Indonesia	SUMATRA: PADANG	2009	8	16					-1.479	99.490	6.7	-
337	Indonesia	JAVA	2009	9	2	128	339,792	160	0.01665	-7.782	107.297	7	0
338	Indonesia	BALI: DENPASAR	2009	9	18					-9.138	115.593	5.7	-
339	Indonesia	SUMATRA: PADANG	2009	9	30	1,195	2,501,798	2,200	0.22889	-0.72	99.867	7.5	0
340	Indonesia	SUMATRA: SOUTHERN: KERINCI	2009	10	1	3		10	0.00104	-2.515	101.501	6.6	-
341	Indonesia	SUMABAWA: BIMA	2009	11	9	2	1,475	2	0.00021	-8.207	118.631	6.6	-
342	Indonesia	JAVA: GARUT	2010	1	10	1				-7.907	107.879	5.1	-
343	Indonesia	SUMATRA	2010	4	6					2.383	97.048	7.8	-
344	Indonesia	N. SUMATRA: SIMEULUE ISLAND	2010	5	9					3.748	96.018	7.2	-
345	Indonesia	NEW GUINEA: IRIAN JAYA: JAPEN	2010	6	16	17	4,600			-2.174	136.543	7	6
346	Indonesia	SUMATRA	2010	10	25					-3.487	100.082	7.8	-
347	Indonesia	SULAWESI: KENDARI	2011	4	24					-4.586	122.771	6.1	-
348	Indonesia	SUMATRA	2011	9	5	10		6	0.00052	2.965	97.893	6.7	0
349	Indonesia	N SUMATRA: OFF WEST COAST	2012	4	11	10				2.327	93.063	8.6	-
350	Indonesia	N SUMATRA: OFF WEST COAST	2012	4	11					0.802	92.463	8.2	-
351	Indonesia	JAVA	2012	6	4					-7.692	106.371	5.8	-
352	Indonesia	BANDA ACEH	2012	7	25	1				2.707	96.045	6.5	-
353	Indonesia	SULAWESI: SIGI, PARIGI MOUNTONG	2012	8	18	6				-1.315	120.096	6.3	-
354	Indonesia	SUMATERA: GEUMPANG	2013	1	21	1				4.961	96.083	5.9	-
1	Lao PDR	BOKEO: THAILAND: CHIANG RAI, CHIANG SAEN	2007	5	16					20,504	100,746	6.3	-
1	Malaysia	SABAH: LAHAD DATU, KANAK	1976	7	26					4,960	118,310	6.2	7
2	Malaysia	KALIMANTAN: RANAU	1991	5	26	1				5,865	116,746	4.5	-
1	Myanmar	MYNAMAR (BURMA): AVA (INNWA)	1714	8	4					21,850	95,967		-
2	Myanmar	MYANMAR (BURMA) COAST	1750							18,500	93,400		-
3	Myanmar	AVA (INNWA)	1838							21,800	96,000		-
4	Myanmar	AVA, AMARAPURA	1839	3	23	400				21,900	96,000		11
5	Myanmar	THAYETMYO, PROME	1858	8	24					19,000	95,000		-
6	Myanmar	RANGOON	1895							16,800	96,200		-
7	Myanmar	KACHIN	1908	12	12					26,500	97,000	7.5	-
8	Myanmar	MANDALAY, MOGOK, MAYMYO	1912	5	23					21,000	97,000	8.0	9
9	Myanmar	HTAWGAW	1929	1	19					25,500	98,000	5.5	9
10	Myanmar	MYITKYINA	1929	6	4					25,200	97,200		-
11	Myanmar	PEGU, RANGOON	1930	5	5	500				17,300	96,500	7.3	9
12	Myanmar	THARRAWADDY	1930	7	18	50				17,400	95,500		-
13	Myanmar	PYU	1930	12	4	36				18,200	96,400	7.3	-
14	Myanmar	KACHIN	1931	1	27					25,600	96,800	7.6	-
15	Myanmar	KAMAING	1931	1	28					25,400	96,800		9
16	Myanmar	MYANMAR: INDIA: ASSAM	1932	8	14					26,000	95,500	7.0	-
17	Myanmar	CHINA: YUNNAN PROVINCE	1941	12	26	15				22,700	99,900	7.0	8
18	Myanmar	MYANMAR (BURMA)	1943	10	23					21,500	93,500	7.2	-
19	Myanmar	MYANMAR (BURMA)	1946	9	12					23,900	96,200	7.5	-
20	Myanmar	MYANMAR (BURMA)	1946	9	12					23,900	96,200	7.8	-
21	Myanmar	MYANMAR: INDIA: CALCUTTA, CUTTACK, BHAGALPU	1954	3	21					24,500	95,300	7.4	-
22	Myanmar	MYANMAR (BURMA)	1956	7	16	38				22,200	95,700	7.0	-
23	Myanmar	PAGAN	1975	7	8	1		1	0.00569	21,490	94,700	6.5	-
24	Myanmar	MYANMAR (BURMA); INDIA: GAUHATI, SIBSAGAR, IMF	1988	8	6	38		1	0.00569	25,149	95,127	7.2	6
25	Myanmar	THABEIKKYIN, MANDALAY	1991	1	5		160			23,613	95,901	7.1	-
26	Myanmar	CHINA: YUNNAN PROVINCE: LANCANG, MENGLIAN; T	1995	7	12					21,966	99,196	6.8	-
27	Myanmar	TAUNGTHAY; THAILAND: BANGKOK	2003	9	21					19,917	95,672	6.6	-
28	Myanmar	MYANMAR (BURMA)	2008	12	25					23,970	97,569	4.7	-
29	Myanmar	MYANMAR (BURMA); INDIA: SIBSAGAR	2009	8	30					25,280	95,101	5.2	-
30	Myanmar	MONYWA	2011	2	4	1				24,618	94,680	6.3	-
31	Myanmar	MYANMAR: TACHILEK	2011	3	24	74	21,277	4	0.00435	20,687	99,822	6.8	-
32	Myanmar	SHWEBO	2012	11	11	26				23,005	95,884	6.8	-
1	Philippines	MANILA	1599	6	21					14,600	121,000		8
2	Philippines	MANILA	1600	11						14,600	121,000		6
3	Philippines	MANILA	1601	1	16					14,600	121,000		8

### A3.2 Earthquake

No.	Country	Name/ Region	Date			Damage				Origin		Magnitude	max. MMI
			Year	Month	Day	Killed	Affected People	Amount (Million US\$)	Amount /GDP PPP (%)	North	East		
4	Philippines	LUZON: E	1610	11						17.000	122.000		9
5	Philippines	N LUZON: ILOCOS PROV.ZAGAIAN PROV	1619	11	30					18.200	121.600		10
6	Philippines	PANAY,ILOILO,CAPIZ	1620							10.800	122.500		9
7	Philippines	W. LUZON ISLAND: CAGAYAN: BANGUI	1627	9	14					18.400	121.600	8	10
8	Philippines	LUZON: CAMALIG, ALBAY	1628							13.200	123.700		9
9	Philippines	MINDANAO: ILLANA BAY	1636	12	21					7.600	123.700		9
10	Philippines	LUZON: APARRI	1641	1	4					18.200	121.700		10
11	Philippines	LUZON: S BATANGAS TO N CAGAYAN	1645	11	30	600				14.400	121.000	8	10
12	Philippines	LUZON: S BATANGAS TO N CAGAYAN	1645	12	5					14.400	121.000		7
13	Philippines	LUZON: S	1648							15.000	121.000		8
14	Philippines	MINDORO ISLAND	1653	7						13.100	121.600		
15	Philippines	S LUZON: MANILA, SANTA CRUZ	1658	8	20					14.400	120.600		9
16	Philippines	MANILA	1665	6	19	19				14.600	121.000		8
17	Philippines	MINDORO ISLAND, LUZON ISLAND	1675	3						13.000	121.000		8
18	Philippines	LUZON: CENTRAL,S	1677	12	7	2				14.500	120.500		
19	Philippines	MANILA	1699							14.400	120.600		
20	Philippines	TAAL, MANILA, RIZAL, LAGUNA, CAVITE	1716	9	24					14.002	120.993		7
21	Philippines	NE LUZON: CAGAYAN VALLEY	1721	1	14					18.000	121.500		
22	Philippines	S LUZON: MANILA	1728	11	28					14.400	121.000		9
23	Philippines	TAYABAS,LAGUNA	1730							14.100	121.400		9
24	Philippines	E. LUZON ISLAND, PHILIPPINES	1735	12	27					15.800	121.700		
25	Philippines	LUZON: TAYABAS,LAGUNA	1743	1	12	5				14.000	121.600		10
26	Philippines	LEYTE	1743	9						11.200	124.300		
27	Philippines	W. LUZON ISLAND, PHILIPPINES	1744							17.000	121.000		
28	Philippines	SE LUZON IS: NAGA	1747							13.600	123.200		7
29	Philippines	TAAL, VOLCANO	1749	8	12					14.002	120.993		9
30	Philippines	TAAL, VOLCANO	1754	5	15	12				14.002	120.993		10
31	Philippines	MANILA	1767	11	13					14.200	121.000		7
32	Philippines	MANILA	1770	12						14.600	120.980		8
33	Philippines	MANILA	1771	2	1					14.200	121.000		8
34	Philippines	PANAY,CAPIZ,ILOILO	1787	5						10.800	122.500		10
35	Philippines	PANAY: ILOILO,ANTIQUE,BUENAVISTA	1787	7	12					10.700	122.500		10
36	Philippines	LUZON: PANGASINAN, BAGUIO, ZAMBALES	1796	11	5					16.000	119.500		9
37	Philippines	CAMARINES	1811	10	5					13.100	123.900		9
38	Philippines	SE LUZON: ALBAY	1814	2	2					13.100	123.900		7
39	Philippines	SE LUZON: TAYABAS,RIZAL,LAGUNA	1824	9	29					13.700	121.700		
40	Philippines	MANILA,SAN FRANCISCO	1824	10	26					14.250	121.250		
41	Philippines	MANILA	1828	11	9					14.550	120.900		8
42	Philippines	MANILA	1830	1	18					14.550	120.900		9
43	Philippines	MANILA	1830	9	16					14.550	120.900		
44	Philippines	SORSOGON,MASBATE IS,CASIGURAN,ALBAY	1840	3	22	17				12.900	123.900	6.5	9
45	Philippines	LUZON: BATAAN, RIZAL, PAMPANGA,MANILA	1852	9	16	3				14.000	120.500	7.5	9
46	Philippines	BATANGAS, N MINDANAO	1852	12	24					13.800	121.100		9
47	Philippines	CAMARINES, DAET	1853							14.000	123.000		8
48	Philippines	S LUZON	1855	3	22					16.000	121.000		
49	Philippines	S LUZON ISLAND, MINDORO ISLAND	1862	3	4					14.500	121.000	6.5	
50	Philippines	MANILA, RIZAL, BULACAN	1863	6	3	400				14.500	121.000	6.5	10
51	Philippines	MANILA	1863	6	9					14.500	121.000		7
52	Philippines	SE LUZON: TIWILUBAN,RINCONADA	1865	10	19					13.250	123.500	6	
53	Philippines	N LUZON: LAOAG	1866	12	28					18.200	120.600		8
54	Philippines	MASBATE ISLAND	1869	8	16					12.500	123.500	7	9
55	Philippines	S LUZON: MANILA: N MINDORO	1869	10	1					13.500	121.000		8
56	Philippines	MINDANAO: DAVAO,BLANCO	1870	11	4	4				7.000	125.400		
57	Philippines	CAMIGUIN ISLAND: MAMBAJAO,CATARMAN	1871	2	20					9.203	124.673		9
58	Philippines	W MINDANAO: COTABATO,POLLOC HARBOR	1871	12	8					7.400	124.200		9
59	Philippines	AGNO	1872	1	26					16.000	119.000	6	7
60	Philippines	S LUZON: RIZAL, CAVITE: N MINDORO	1872	12	29					13.800	121.000		8
61	Philippines	LEPANTO-BONTOC	1874	8	3					17.000	120.600		
62	Philippines	MINDANAO,ZAMBOANGA,ISABELA (BASILAN)	1874	8	24					6.800	122.000		8
63	Philippines	SE LUZON: NUEVA,CACERES	1875	5	19					13.600	123.200		8
64	Philippines	BENQUET: LA TRINIDAD	1875	10	15					16.300	120.300		
65	Philippines	NEAR MOUNT APO	1878	9	16					6.900	125.100		7
66	Philippines	NW MINDANAO: SURIGAO	1879	6	30					9.800	125.500		10
67	Philippines	LUZON: E	1880	7	14					15.000	121.500		8
68	Philippines	S COAST LUZON: PASIG RIVER,PAMPANGA	1880	7	18	20				16.000	121.850	7.5	9
69	Philippines	SW OF LAKE BAY, MANILA	1880	7	20					15.000	121.500		8
70	Philippines	NUEVA VIZCAYA,BAYOMBONG	1881	9	1					16.500	121.100		9
71	Philippines	NUEVA VIZCAYA	1881	9	30					16.200	121.200		
72	Philippines	E MINDANAO: SURIGAO	1885	2	22					9.800	125.500		8
73	Philippines	NE MINDANAO: DAPITAN	1885	7	23					8.300	123.600		9
74	Philippines	PANAY, ILOILO	1887	2	2					10.700	122.600		9
75	Philippines	SE LUZON: CAMARINES, NUEVA CACERES	1887	3	24					13.700	123.300		8
76	Philippines	MINDANAO,MINDORO	1889	5	25					13.500	121.000	6.8	8
77	Philippines	SAMAR,LEYTE: CATBALOGAN,BARUGO	1890	2	7					11.200	124.400		
78	Philippines	BATAN ISLAND,SAN DOMINGO	1892	3	8					21.000	122.000		8
79	Philippines	LUZON: ABRA,PANGASINAN,UNION	1892	3	16	2				17.300	120.600		10
80	Philippines	E MINDANAO: AGUSAN RIVER	1893	6	21					6.900	125.800		10
81	Philippines	SE MINDANAO: DAVAO GULF	1894	2	9					6.000	126.000		8
82	Philippines	E MINDANAO: AGUSAN RIVER VALLEY	1894	6	28					8.200	126.100		8
83	Philippines	N MINDORO: CALAPAN	1895	5	13					13.400	121.700		7
84	Philippines	MASBATE ISLAND	1897	5	13					12.000	124.000	7.9	8
85	Philippines	LUZON: ILOCOS SUR	1897	8	15					18.000	120.000	7.9	8
86	Philippines	NW MINDANAO: DAPITAN	1897	9	20					6.000	122.000	8.6	7
87	Philippines	MINDANAO, ZAMBOANGA, SULU, ISABELA	1897	9	21					6.000	122.000	8.7	9
88	Philippines	NORTHERN SAMAR	1897	10	18					12.000	126.000	8.1	9
89	Philippines	NORTHERN SAMAR	1897	10	19					12.000	126.000		8
90	Philippines	NORTHERN SAMAR	1897	10	20					12.000	126.000	7.9	
91	Philippines	LUZON: E TAYABAS,CALAUAG BAY	1901	9	10					14.000	121.600		7
92	Philippines	LUZON	1901	12	14					14.000	122.000	7.8	7
93	Philippines	MINDANAO: LANA O, COTABATO	1902	8	21					7.500	123.500	7.3	10
94	Philippines	ILOILO,PANAY	1902	8	26					10.800	122.600		9
95	Philippines	DAVAO GULF	1903	12	28					7.000	126.000	7.8	8
96	Philippines	W. LUZON ISLAND: TUBURAN	1905	12	8					11.000	123.500	6.5	
97	Philippines	SE LUZON: CAMARINES	1907	4	18	2				14.000	123.000	7.6	9
98	Philippines	SE LUZON: CAMARINES	1907	4	18					13.500	123.000	7.4	7
99	Philippines	N LUZON: TUGUEGARA O,LAOAG,N ILOCOS	1907	5	25					18.000	120.000		8
100	Philippines	SE LUZON: CAMARINES	1907	11	24					14.000	123.000		9
101	Philippines	MINDANAO	1908	3	5					9.000	126.000	7.5	
102	Philippines	MINDANAO: E	1909	3	18					8.000	127.000		8

### A3.2 Earthquake

No.	Country	Name/ Region	Date			Damage				Origin		Magnit ude	max. MMI
			Year	Month	Day	Killed	Affected People	Amount (Million US\$)	Amount /GDP PPP (%)	North	East		
103	Philippines	SULU SEA	1910	12	30					9,000	125,500	6.2	7
104	Philippines	LUZON: TAAL VOLCANO	1911	1	27					14,002	120,993		9
105	Philippines	MINDANAO: TALACOGON, DAVAO, BUTUAN	1911	7	12					9,000	126,000	7.8	10
106	Philippines	SORSOGON	1912	11	8					12,600	124,000		9
107	Philippines	PHILIPPINES	1913	4	25					9,500	127,800	7.7	8
108	Philippines	SABTAN, BATAN	1915	5	16					11,300	122,300		8
109	Philippines	W. LUZON ISLAND	1915	11	18					18,000	119,500	6.4	8
110	Philippines	PANAY: PANAY, MAASIN	1916	1	4					11,100	122,300		8
111	Philippines	S MINDANAO: GLAN, GLAN PADIDU, TUYAN	1917	1	31	7				6,000	125,000	6.4	9
112	Philippines	MINDANAO	1918	2	7					6,500	126,500	7.5	7
113	Philippines	MINDANAO: COTABATO	1918	8	15	100				5,500	123,000	8.3	10
114	Philippines	BATANES: IVANA, SABTAN, SAN VICENTE	1918	9	13					20,400	121,950		9
115	Philippines	MINDANAO ISLAND	1919	1	1					8,000	126,000	7.4	7
116	Philippines	NW PANAY, SW TABLAS, CARABAO I	1919	4	27					12,000	122,000		8
117	Philippines	E MINDANAO: MANAY	1921	11	7					7,000	126,000		8
118	Philippines	MINDANAO: E	1921	11	11					8,000	127,000	7.5	7
119	Philippines	CEBU I: CEBU; MACTAN I	1922	1	27					10,200	123,500		8
120	Philippines	CEBU ISLAND, MACTAN ISLAND	1922	2	27	5				10,200	124,100	6.3	5
121	Philippines	SIATON, ZAMBOANGUITA	1922	3	1					9,000	123,250	6	8
122	Philippines	MINDANAO ISLAND	1923	3	2					6,500	124,000	7.2	7
123	Philippines	BUTUAN, CAMIGUIN ISLAND	1923	7	18					9,300	125,000	5.5	5
124	Philippines	E MINDANAO: MATI, SURIGA	1924	4	14					6,500	126,500	8.3	9
125	Philippines	AGNO	1924	5	6					16,000	118,000	6.5	
126	Philippines	MINDANAO: SURIGAO, BUTUAN	1924	8	30					8,500	126,500	7.3	9
127	Philippines	W. LUZON ISLAND, PHILIPPINES	1925	5	5	17				9,300	122,700	6.8	9
128	Philippines	LUZON: W	1925	5	25					12,200	122,100	6.3	7
129	Philippines	SAMAR I, LAOANG I, BATAG I	1925	11	13					13,000	125,000	7.3	9
130	Philippines	SW MINDORO	1928	6	15					12,400	120,900	7	8
131	Philippines	COTABATO, N COAST OF ILLANA BAY	1928	12	19	93				7,000	124,000	7.3	7
132	Philippines	MINDANAO: HINATUAN, EBRO	1929	6	13					8,500	127,000	7.2	10
133	Philippines	LUZON: LAOAG, BACARRA, VIGAN, BATA C	1931	3	19					18,300	120,200	6.9	9
134	Philippines	LUZON: BAGUIO, BAUANG, LA UNION	1932	8	24					16,500	120,500		7
135	Philippines	LUZON	1934	2	14					17,500	119,000	7.9	
136	Philippines	LUZON	1937	8	20	1				14,500	121,500	7.5	8
137	Philippines	LUZON ISLAND, MINDOR ISLAND	1939	5	6					13,500	121,250	6.5	5
138	Philippines	MINDORO	1942	4	8					13,500	121,000	7.8	
139	Philippines	E OF	1943	5	25					7,500	128,000	8.1	
140	Philippines	PANAY, ILOILO CITY, ANTIQUE	1948	1	25	27				10,500	122,000	8.3	9
141	Philippines	N LUZON	1949	9	5					17,000	121,500	6.4	
142	Philippines	LUZON: E	1949	12	29	15				18,000	121,000	7.2	8
143	Philippines	PHILIPPINES	1951	3	19					9,500	127,300	7.8	
144	Philippines	BUTUAN	1952	3	19					9,500	127,250	7.8	7
145	Philippines	LUZON: SORSOGON, BACON, LEGASPI	1954	7	2	13	101			13,000	123,900	6.8	9
146	Philippines	MINDANAO: LANAO, OZAMIZ, COTABATO	1955	4	1	400	2,000			8,100	123,200	7.6	8
147	Philippines	PHILIPPINES	1957	9	24					5,500	127,500	7.6	
148	Philippines	PANAY	1960	10	7	3				11,100	122,300		
149	Philippines	--	1967	8	0	200							
150	Philippines	LUZON: MANILA	1968	8	2	271	261	5		16,500	122,200	7.3	--
151	Philippines	MINDANAO	1970	1	10					6,800	126,700	7.6	6
152	Philippines	LUZON, ROMBLON I; TABLAS I; ODIONGAN	1970	2	5	3				12,600	122,100	7.1	
153	Philippines	LUZON	1970	4	7	14	200			15,780	121,710	7.3	6
154	Philippines	BATAN ISLANDS: BASCO, SABTANG	1970	9	30					20,600	122,000	5.3	7
155	Philippines	MINDORO, LUZON, MANILA	1972	4	25					13,400	120,300	7.2	6
156	Philippines	MINDANAO, DAVAO	1972	12	2					6,500	126,600	7.4	6
157	Philippines	QUEZON CITY: CALAUG, LOPEZ, GUIAYANGAN	1973	3	17	14	64	0		13,400	122,800	7.5	9
158	Philippines	PHILIPPINES	1975	10	31					12,540	125,993	7.6	6
159	Philippines	MINDANAO: S	1976	8	16	6,000	181,348	134	0.20794	6,262	124,023	8.1	6
160	Philippines	MINDANAO	1976	8	17					7,249	122,939	6.8	
161	Philippines	LUZON: MANILA	1977	3	19	1	60,030	0	0.00016	16,770	122,330	7.3	7
162	Philippines	VIRAC, CATANDUANES	1982	1	11					13,752	124,358	7.1	7
163	Philippines	LUZON	1983	8	18	19	1,901	2	0.00262	18,231	120,860	6.5	8
164	Philippines	PAGADIAN, ZAMBOANGA	1985	3	18	2	175			7,758	123,544	6.5	5
165	Philippines	LUZON: BENGUET PROVINCE, BAGUIO	1985	4	24	6				16,498	120,815	6.1	7
166	Philippines	MANILA, CUBI POINT	1987	4	25					16,066	120,301	6.3	5
167	Philippines	MINDANAO: TALAKAG-MALAYBALAY	1987	5	23	1				8,047	125,410	5.2	2
168	Philippines	MINDORO: SAN JOSE, CALAPAN	1988	6	19	2				12,376	121,067	6.2	7
169	Philippines	LUZON: LAOAG	1988	6	24					18,606	121,013	5.4	
170	Philippines	SAMAR: CATARMAN, CATBALOGAN	1988	11	17					12,399	124,537	6.6	6
171	Philippines	MINDANAO: COTABATO, DAVAO	1989	12	15	2		1	0.00093	8,337	126,729	7.5	6
172	Philippines	BOHOL, CEBU, CAGAYAN DE ORO, CAMIGUIN	1990	2	8	1	34,504	1	0.00078	9,755	124,694	6.6	7
173	Philippines	SANTIAGO	1990	3	26	1				9,253	125,606	5.5	4
174	Philippines	CULASI, PANAY	1990	6	14	4	15			11,760	121,899	7.1	6
175	Philippines	BAGUIO, CABANATUAN, DAGUPAN	1990	7	16	2,412	1,597,553	370	0.32094	15,679	121,172	7.8	9
176	Philippines	LUZON: MANILA, PINATUBO ERUPTION	1991	6	15					15,119	120,355	5.5	
177	Philippines	MINDANAO, TANDAG, BISLIG	1992	5	17					7,191	126,762	7.5	
178	Philippines	--	1994	5	13		218						
179	Philippines	MINDORO	1994	11	15	81	270,866	4	0.00273	13,525	121,067	7.1	--
180	Philippines	SAMAR	1995	4	21					12,059	125,580	7.2	0
181	Philippines	SAMAR	1995	4	21					12,047	125,920	6.8	
182	Philippines	S LUZON: MANILA, SANTA CRUZ	1999	12	12	6	190	2	0.00102	15,766	119,740	7.3	7
183	Philippines	BASCO, MOUNT IRADA, BATAN ISLANDS	2000	7	16					20,253	122,043	6.4	
184	Philippines	MINDANAO	2001	1	1					6,898	126,579	7.5	
185	Philippines	MINDANAO	2002	3	6	15	73,451	2	0.00082	6,033	124,249	7.5	--
186	Philippines	LUZON: DIMASALANG	2003	2	15					12,171	123,921	5.8	6
187	Philippines	MASBATE, DIMASALANG	2003	2	15					12,168	124,079	6.3	6
188	Philippines	SAMAR: CAN-AVID	2003	11	18	1				12,025	125,416	6.5	7
189	Philippines	BOHOL ISLAND: TUBIGON	2004	5	19					9,926	124,038	4.1	6
190	Philippines	MINDANAO	2007	2	16					6,614	126,240	4.9	
191	Philippines	BOHOL ISLAND: MABINI	2007	11	7	1				9,721	124,647	5.1	
192	Philippines	LUZON: LEGASPI	2008	8	15					12,897	124,319	6	
193	Philippines	COTABATO, SULTAN KUDARAT	2009	9	18		392	0	0.00003	6,513	124,715	5.7	0
194	Philippines	CELEBES SEA: MORO GULF	2010	7	23					6,486	123,467	7.6	4
195	Philippines	MINDANAO	2011	3	3					9,457	125,935	5.5	
196	Philippines	MINDANAO: BUKIDNON PROVINCE	2011	11	7		28			7,904	125,185	5	0
197	Philippines	NEGROS ORIENTAL PROVINCE	2012	2	6	51		15	0.0036	9,999	123,206	6.7	
198	Philippines	MASBATE ISLAND	2012	3	5					12,354	123,700	5.6	
199	Philippines	SURIGAO	2012	3	16					10,037	125,633	5.8	
200	Philippines	CAGAYAN DE ORO, TACLOBAN	2012	8	31	1		0	0.00007	10,838	126,704	7.6	

## A3.2 Earthquake

No.	Country	Name/ Region	Date			Damage				Origin		Magnit ude	max. MMI
			Year	Month	Day	Killed	Affected People	Amount (Million US\$)	Amount /GDP PPP (%)	North	East		
1	Thailand	YONOK-NAGABANDHU	460	7	22					20.300	100.000		12
2	Thailand	BANGKOK	1983	4	22					14.926	99.023	5.9	
3	Thailand	<b>CHINA</b> : YUNNAN PROVINCE: LANCANG, MENGLIAN; T	1995	7	12					21.966	99.196	6.8	-
4	Thailand	MAE RIM	2006	12	12					18.901	98.916	4.6	
5	Thailand	<b>MYANMAR</b> : TACHILEK	2011	3	24	1	16			20.687	99.822	6.8	-
1	Vietnam	VIETNAM: HO CHI MINH CITY	2005	8	5					9.985	108.383	4.5	-

### A3.3 Tsunami

No.	Country	Name/ Region	Date			Damage				Origin		Magnit ude	max. water height
			Year	Month	Day	Killed	Affected People	Amount (Million US\$)	Amount /GDP PPP (%)	North	East		
1	Indonesia	JAVA-S. JAVA	416							-6.102	105.423	-	-
2	Indonesia	GAMALAMA, TERNATE ISLAND	1608	7	1					0.800	127.325	-	-
3	Indonesia	BANDA SEA	1629	8	1					-4.600	129.900	*	16
4	Indonesia	BANDA SEA	1630							-4.600	129.900	*	-
5	Indonesia	BANDA SEA	1648	2	29					-	-	-	-
6	Indonesia	BANDA SEA	1657	12						-3.000	128.000	*	-
7	Indonesia	BANDA SEA	1659	11	11					-6.920	129.125	*	1.5
8	Indonesia	N. MOLUCCAS ISLANDS	1673	5	20					1.375	127.520	*	-
9	Indonesia	BANDA SEA	1673	7	12					-3.000	128.000	*	-
10	Indonesia	N. MOLUCCAS ISLANDS	1673	8	12					1.375	127.520	*	-
11	Indonesia	BANDA SEA	1674	2	17	2,244				-3.750	127.750	6.8	100
12	Indonesia	BANDA SEA	1674	5	6					-3.700	128.200	6.0	-
13	Indonesia	SUMATRA	1681	12	11					-	-	*	-
14	Indonesia	BANDA SEA	1690							-	-	-	-
15	Indonesia	BANDA SEA	1708	11	28					-3.690	128.150	*	-
16	Indonesia	BANDA SEA	1710	3	6					-4.530	129.900	*	-
17	Indonesia	BANDA SEA	1711	9	5	2				-4.000	129.000	7.0	1.2
18	Indonesia	DJAKARTA (JAKARTA), JAVA	1722	10						-6.174	106.829	*	-
19	Indonesia	BANDA SEA	1754	8	18					-3.500	128.500	6.5	-
20	Indonesia	BANDA SEA	1754	9	7					-3.500	128.500	*	-
21	Indonesia	JAKARTA	1757	8	24					-6.000	107.000	7.5	0.5
22	Indonesia	BANDA SEA	1763	9	12	7				-6.000	130.000	*	9
23	Indonesia	SW. SUMATRA	1770							-5.000	102.000	7.0	-
24	Indonesia	N. MOLUCCAS ISLANDS	1771	11	9	1				0.800	127.325	-	-
25	Indonesia	KALIMANTAN ISLAND	1773							-	-	-	-
26	Indonesia	AMBON ISLAND	1775	4	18					-3.700	128.200	*	-
27	Indonesia	SW. SUMATRA	1797	2	10	300				0.001	99.000	8.0	-
28	Indonesia	SE. SUMATRA	1799							-	-	-	15
29	Indonesia	BANDA SEA	1802	8						-3.700	128.200	*	-
30	Indonesia	TIMOR ISLAND	1814							-10.217	123.633	*	-
31	Indonesia	TAMBORA	1815	4	10					-8.200	118.000	-	3.5
32	Indonesia	AMBON ISLAND	1815	4	11					-3.700	128.400	*	-
33	Indonesia	BALI SEA	1815	11	22	1,200				-8.000	115.000	7.0	-
34	Indonesia	MALACCA STRAIT	1816	5	1					5.000	96.500	*	-
35	Indonesia	BENGKULU, SUMATRA	1818	3	18					-4.000	101.500	7.0	-
36	Indonesia	BALI SEA	1818	11	8					-7.000	117.000	8.5	3.5
37	Indonesia	FLORES SEA	1820	12	29	500				-7.000	119.000	7.5	25
38	Indonesia	FLORES SEA: BIMA	1821							-8.456	118.723	-	-
39	Indonesia	JAVA	1823	9	9					-6.500	108.500	6.8	0.3
40	Indonesia	FLORES SEA	1828	12	29					-	-	*	-
41	Indonesia	SW. SUMATRA	1833	11	24					-2.500	100.500	8.3	-
42	Indonesia	FLORES SEA	1836	3	5					-8.300	118.700	*	-
43	Indonesia	FLORES SEA	1836	11	28					-8.300	118.700	7.5	-
44	Indonesia	BANDA ACEH	1837	9	29					5.500	96.000	7.3	-
45	Indonesia	S. JAVA SEA	1840	1	4					-8.000	110.500	7.0	-
46	Indonesia	N. MOLUCCAS ISLANDS	1840	2	14					0.800	127.325	*	-
47	Indonesia	MOLUCCAS ISLANDS	1841	11	26					-5.000	130.000	*	3
48	Indonesia	BANDA SEA	1841	12	16					-4.000	127.500	6.0	1.5
49	Indonesia	SW. SUMATRA	1843	1	5					1.500	98.000	7.3	-
50	Indonesia	JAVA	1843	2	7					-7.200	114.000	6.0	-
51	Indonesia	CELEBES SEA	1845	2	8					1.500	124.850	7.0	-
52	Indonesia	TERNATE ISLAND, N. MOLUCCAS ISLANDS	1846	1	25					2.000	126.500	7.3	1.2
53	Indonesia	LAMPUNG BAY	1851	5	4					-5.000	105.000	-	1.5
54	Indonesia	JAVA	1852	1	9					-6.500	105.500	6.5	-
55	Indonesia	BANDA SEA	1852	11	10					-	-	-	-
56	Indonesia	SIBOLGA, SUMATRA	1852	11	11					1.500	98.000	6.8	-
57	Indonesia	BANDA SEA	1852	11	16					-	-	-	-
58	Indonesia	AMBON ISLAND, BANDA SEA	1852	11	19					-3.700	128.200	*	-
59	Indonesia	BANDA SEA	1852	11	23					-	-	-	-
60	Indonesia	BANDA SEA	1852	11	25	60				-5.250	129.750	8.3	8
61	Indonesia	BANDANEIRA	1852	12	24					-5.000	130.500	7.0	-
62	Indonesia	BANDA SEA	1854	1	4					-3.500	128.600	6.0	-
63	Indonesia	N. MOLUCCAS ISLANDS	1854	9	27					0.800	127.400	*	-
64	Indonesia	FLORES ISLAND	1855	4	14					-9.000	121.000	-	-
65	Indonesia	SANGIHE ISLAND	1856	3	2					3.670	125.500	*	-
66	Indonesia	JAVA-FLORES SEA	1856	7	25					-8.500	116.000	*	-
67	Indonesia	BALI SEA	1857	5	13					-8.000	115.500	7.0	3.4
68	Indonesia	KEMA, SULAWESI I, N. MOLUCCAS IS	1857	11	17					1.350	125.200	*	-
69	Indonesia	KEMA, SULAWESI I, N. MOLUCCAS IS	1857	11	18					1.350	125.200	*	-
70	Indonesia	N. MOLUCCAS ISLANDS	1858	12	13					1.000	126.000	7.3	-
71	Indonesia	N. MOLUCCAS ISLANDS	1859	6	28					1.000	126.500	7.0	10
72	Indonesia	LONTOR ISLAND, BANDA SEA	1859	7	20					-4.600	129.900	*	-
73	Indonesia	N. MOLUCCAS ISLANDS	1859	7	29					0.009	125.500	7.3	1
74	Indonesia	BANDA SEA	1859	9	25					-5.500	130.500	6.8	-
75	Indonesia	S. JAVA SEA	1859	10	20	2				-9.000	111.000	*	-
76	Indonesia	N. MOLUCCAS ISLANDS	1859	10	26					-	-	-	-
77	Indonesia	N. MOLUCCAS ISLANDS	1859	12	17					0.900	124.900	*	-
78	Indonesia	N. MOLUCCAS ISLANDS	1859	12	25					1.370	125.100	-	-
79	Indonesia	SULAWESI-N. MOLUCCAS ISLANDS	1860	8						1.300	121.000	*	-
80	Indonesia	CERAM SEA	1860	10	6					-1.250	128.500	*	-
81	Indonesia	SW. SUMATRA	1861	2	16	1,105				-1.000	97.500	8.5	7
82	Indonesia	SW. SUMATRA	1861	2	21					-	-	-	-
83	Indonesia	SW. SUMATRA	1861	3	9	950				0.009	98.000	7.0	-
84	Indonesia	BANDA SEA	1861	3						-3.700	128.200	-	1.8
85	Indonesia	SW. SUMATRA	1861	4	26					1.000	97.500	7.0	-
86	Indonesia	JAVA	1861	6	5					-6.300	107.300	-	-
87	Indonesia	SW. SUMATRA	1861	6	17					1.000	97.500	6.8	-
88	Indonesia	SW. SUMATRA	1861	9	25					-1.500	100.000	6.5	-
89	Indonesia	CHERIBON DISTRICT, JAVA	1862	4	8					-6.700	108.570	-	2.1
90	Indonesia	JAVA	1863	3	16					-6.100	106.700	*	-



### A3.3 Tsunami

No.	Country	Name/ Region	Date			Damage				Origin		Magnit ude	max. water height
			Year	Month	Day	Killed	Affected People	Amount (Million US\$)	Amount /GDP PPP (%)	North	East		
91	Indonesia	SW. SUMATRA	1864	2	16					-	-	-	-
92	Indonesia	NW. IRIAN JAYA	1864	5	23	250				-1.000	135.000	7.8	3
93	Indonesia	RUANG	1871	3	3	400				2.280	125.425	-	25
94	Indonesia	N. MOLUCCAS ISLANDS	1871	8	25					0.500	123.000	*	-
95	Indonesia	N. MOLUCCAS ISLANDS	1874	5						-	-	-	-
96	Indonesia	CERAM SEA	1876	5	28					-3.000	127.250	6.8	0.3
97	Indonesia	TAGRILAND ISLAND	1878	8						-	-	-	-
98	Indonesia	BANDA SEA	1882	10	10					-4.500	129.900	7.5	-
99	Indonesia	BANKA ISLAND	1883	5	31					-2.250	106.000	-	-
100	Indonesia	KRAKATAU	1883	8	27	36.000				-6.102	105.423	-	35
101	Indonesia	JAVA-S. JAVA	1883	10	10					-6.102	105.423	-	-
102	Indonesia	KRAKATAU	1884	2						-6.102	105.423	-	-
103	Indonesia	MOLUCCAS ISLANDS	1885	4	30					-2.500	127.500	7.3	1.2
104	Indonesia	AJERBANGIS, SUMATRA	1885	7	29					-	99.500	6.8	-
105	Indonesia	SULAWESI ISLAND	1885	8	3					1.100	124.300	-	-
106	Indonesia	BANDA ACEH	1885	12	14					5.550	95.300	*	-
107	Indonesia	BANDA ACEH	1886	1	31					5.600	95.300	*	-
108	Indonesia	SIGLI, ACEH, SUMATRA	1887	5	19					5.400	96.000	*	-
109	Indonesia	BREUEH ISLAND	1888	3	21					5.800	95.000	*	-
110	Indonesia	JAVA-S. JAVA	1889	8	16					-6.050	105.920	-	-
111	Indonesia	N. MOLUCCAS ISLANDS	1889	9	6					1.000	126.250	8.0	4
112	Indonesia	JAVA	1889	11	23					-7.000	113.500	6.0	-
113	Indonesia	SIGLI, ACEH, SUMATRA	1891	5	19					5.400	96.000	*	-
114	Indonesia	N. MOLUCCAS ISLANDS	1891	6	10					-0.500	127.500	-	-
115	Indonesia	BANDA SEA	1891	6	20					-4.000	129.000	-	-
116	Indonesia	TIMOR SEA	1891	10	5					-9.000	124.000	7.0	-
117	Indonesia	AURI, HALMAHERA	1892	1	7					-	-	-	-
118	Indonesia	NORTHEAST SUMATRA	1892	5	17					2.500	99.500	*	-
119	Indonesia	AWU VOLCANO, SANGIHE ISLAND	1892	6	7					3.670	125.500	-	0.75
120	Indonesia	SERAM ISLAND	1892	11	18					-3.000	127.750	7.0	-
121	Indonesia	SW. SUMATRA	1896	10	10					-3.500	102.500	6.8	-
122	Indonesia	FLORES SEA	1897	3	15					-6.800	120.800	5.5	-
123	Indonesia	BANDA SEA	1899	9	29	2.460				-3.000	128.500	7.8	12
124	Indonesia	GALELA, HALMAHERA ISLAND	1900	1	10					1.820	127.850	*	-
125	Indonesia	BISMARCK SEA	1900	10	7	5				-4.000	140.000	7.8	-
126	Indonesia	BANDA SEA	1903	3	30					-3.000	127.500	6.5	1
127	Indonesia	BANDA SEA	1904	7	5					-3.600	128.700	-	-
128	Indonesia	S. JAVA	1904	9	7					-7.700	109.000	*	-
129	Indonesia	INDONESIA NW. SUMATRA	1907	1	4	400				2.000	94.500	7.6	-
130	Indonesia	KARAKELONG, TALAUD ISLANDS	1907	3	29					3.000	122.000	7.3	4
131	Indonesia	SW. SUMATRA	1908	2	6					-2.000	100.000	7.5	1.4
132	Indonesia	TIMOR SEA	1908	3	23					-10.000	129.000	6.6	-
133	Indonesia	SUMATRA	1909	6	3					-2.000	101.000	7.6	-
134	Indonesia	SULAWESI	1910	12	18					4.000	127.000	6.7	-
135	Indonesia	SANGIHE ISLAND	1913	3	14					4.500	126.500	7.9	-
136	Indonesia	INDONESIA	1914	3	14					-	-	-	-
137	Indonesia	NW. IRIAN JAYA	1914	5	26					-2.000	137.000	7.9	0.1
138	Indonesia	INDONESIA	1914	6	25					-4.500	102.500	7.6	-
139	Indonesia	LAIS, SUMATRA	1914	7	26					-3.500	102.000	*	-
140	Indonesia	AMBON ISLAND	1914	12	3					-3.700	128.200	-	-
141	Indonesia	KAIMANA	1915	5	23					-3.644	133.695	*	0.5
142	Indonesia	NW. IRIAN JAYA	1915	11	6					-1.000	136.000	6.0	-
143	Indonesia	CELEBES SEA	1917	1	9					1.570	122.720	-	-
144	Indonesia	BALI SEA	1917	1	20					-7.000	116.000	6.6	2
145	Indonesia	LINGA ARCHIPELAGO	1917	1						-0.250	104.500	-	-
146	Indonesia	JAVA	1917	3	16					-3.700	116.600	-	1.5
147	Indonesia	BANDA SEA	1917	8	23					-3.600	128.700	-	-
148	Indonesia	SULAWESI	1918	7	18					3.138	125.491	-	0.08
149	Indonesia	TIMOR SEA	1919	2	13					-9.000	124.850	-	-
150	Indonesia	SULAWESI	1919	4	3					3.138	125.491	-	5
151	Indonesia	NW. IRIAN JAYA	1919	11	21					-	-	*	-
152	Indonesia	N. MOLUCCAS ISLANDS	1920	1	29					0.870	122.920	*	2
153	Indonesia	MAKASSAR STRAIT	1921	5	14					0.700	117.900	6.2	1
154	Indonesia	S. JAVA SEA	1921	9	11					-11.000	111.000	7.5	0.1
155	Indonesia	BANDA SEA	1922	2	22					-3.300	128.900	*	-
156	Indonesia	SW. SUMATRA	1922	4	10					-1.000	100.350	*	-
157	Indonesia	LHOKNGA, ACEH	1922	7	8					5.500	95.200	*	-
158	Indonesia	BANDA SEA	1925	1	8					-8.000	115.000	*	1
159	Indonesia	SW. SUMATRA	1926	6	28					-0.700	100.600	5.8	-
160	Indonesia	SULAWESI	1927	12	1	50				-0.700	119.700	6.3	15
161	Indonesia	KRAKATAU	1928	3	26					-6.102	105.423	-	-
162	Indonesia	INDONESIA FLORES SEA	1928	8	4	128				-8.320	121.708	-	10
163	Indonesia	TJALANG, N.W. SUMATRA	1929	11	9	6				4.633	95.567	-	-
164	Indonesia	KRAKATAU	1930	3	17					-6.102	105.423	-	500
165	Indonesia	JAVA-S. JAVA SEA	1930	6	19					-5.600	105.300	6.0	1.5
166	Indonesia	S. JAVA SEA	1930	7	19					-9.300	114.300	6.5	0.1
167	Indonesia	CELEBES SEA	1930	9	11					1.200	124.570	*	-
168	Indonesia	SW. SUMATRA	1931	9	25					-5.000	102.750	7.4	1
169	Indonesia	JAVA TRENCH	1932	9	9					-3.570	128.350	6.2	-
170	Indonesia	CELEBES SEA	1935	11	25					5.500	94.000	6.5	-
171	Indonesia	SW. SUMATRA	1935	12	28					0.001	98.250	7.9	-
172	Indonesia	SULAWESI	1936	4	1					4.500	126.500	7.7	3
173	Indonesia	OFF NORTHWEST COAST	1936	8	23					6.100	94.700	7.3	-
174	Indonesia	BANDA SEA	1937	11	6					-3.000	132.300	6.0	0.5
175	Indonesia	BANDA SEA	1938	2	1					-5.250	130.500	8.5	1
176	Indonesia	BANDA SEA	1938	2	13					-3.000	132.300	6.0	0.5
177	Indonesia	MAKASSAR STRAIT	1938	5	19	17				-1.000	120.000	7.6	3
178	Indonesia	N. MOLUCCAS ISLANDS	1939	12	21					-	123.000	8.0	-
179	Indonesia	OFF NORTHWEST COAST	1948	6	1					6.000	95.000	6.3	-
180	Indonesia	BANDA ACEH	1949	5	9					5.000	95.000	6.7	-

### A3.3 Tsunami

No.	Country	Name/ Region	Date			Damage				Origin		Magnit ude	max. water height
			Year	Month	Day	Killed	Affected People	Amount (Million US\$)	Amount /GDP PPP (%)	North	East		
181	Indonesia	JAVA TRENCH	1950	10	8					-3.800	128.300	7.6	-
182	Indonesia	NW. IRIAN JAYA	1957	6	22					-1.500	137.000	7.3	1.8
183	Indonesia	S. JAVA SEA	1957	9	26					-8.200	107.300	5.5	0.7
184	Indonesia	MAKASSAR STRAIT	1957	10	26					-2.000	116.000	6.0	-
185	Indonesia	BENGKULU, SUMATRA	1958	4	21					-4.500	104.000	6.5	-
186	Indonesia	LESSER SUNDA: BALI: AGUNG VOLCANO	1963	3	30					8.342	115.508	-	-
187	Indonesia	JAVA	1963	12	16					-6.400	105.400	6.6	-
188	Indonesia	OFF NORTHWEST COAST OF INDONESIA	1964	4	2					5.800	95.400	7.0	-
189	Indonesia	SANANA ISLAND	1965	1	24	71				-2.400	126.100	7.6	-
190	Indonesia	MAKASSAR STRAIT	1967	4	11	13				-3.700	119.300	5.5	-
191	Indonesia	NORTHEAST SUMATRA	1967	4	12					5.500	97.300	6.1	-
192	Indonesia	N. MOLUCCAS ISLANDS	1968	8	10					1.400	126.200	7.6	0.4
193	Indonesia	INDONESIA BANDA SEA	1968	8	15	200				0.200	119.800	7.8	10
194	Indonesia	INDONESIA MAKASSAR STRAIT	1969	2	23	64	97			-3.100	118.900	6.9	4
195	Indonesia	BANDA SEA	1975	1	15					-5.000	130.000	5.9	-
196	Indonesia	SUNDA ISLANDS	1977	8	19	189				-11.085	118.464	8.0	15
197	Indonesia	INDONESIA LOMBLEN ISLAND [LEMBATA]	1979	7	18	539	23			-8.600	123.500	-	9
198	Indonesia	LOMBLEN ISLAND [LEMBATA]	1979	8	9					-8.500	123.500	-	-
199	Indonesia	IRIAN JAYA	1979	9	12	100				-1.679	136.040	7.9	2
200	Indonesia	JAVA TRENCH	1982	2	24					4.374	97.755	5.4	0.1
201	Indonesia	SUMBAWA ISLAND	1982	3	11					-9.265	118.479	6.6	0.1
202	Indonesia	FLORES SEA	1982	12	25					-8.405	123.080	6.0	-
203	Indonesia	BANDA SEA	1983	3	12					-4.056	127.924	6.9	3
204	Indonesia	LESSER SUNDA ISLANDS	1983	8	17					-8.540	123.590	-	-
205	Indonesia	SULAWESI	1984	1	8					-2.823	118.806	6.8	0.1
206	Indonesia	BALI ISLAND	1985	4	13					-9.245	114.185	6.2	2
207	Indonesia	TIMOR SEA	1987	11	26					-8.247	124.155	6.6	0.1
208	Indonesia	FLORES SEA	1992	12	12	1,169				-8.480	121.896	7.8	26.2
209	Indonesia	HALMAHERA	1994	1	21					1.015	127.733	7.0	2
210	Indonesia	SOUTHERN SUMATRA	1994	2	15					-4.967	104.302	-	-
211	Indonesia	JAVA	1994	6	2	250				-10.477	112.835	7.8	13.9
212	Indonesia	JAVA	1994	6	3					-10.362	112.892	6.6	3.7
213	Indonesia	TIMOR SEA	1994	6	4					-10.777	113.366	6.5	3
214	Indonesia	HALMAHERA	1994	10	8	1				-1.258	127.980	6.8	3
215	Indonesia	TIMOR SEA	1995	5	14	11				-8.378	125.127	6.9	4
216	Indonesia	SULAWESI	1996	1	1	9				0.729	119.931	7.9	3.43
217	Indonesia	IRIAN JAYA	1996	2	17	110				-0.891	136.952	8.2	7.68
218	Indonesia	TALIABU ISLAND.	1998	11	29					-2.071	124.891	7.7	2.75
219	Indonesia	SULAWESI	2000	5	4					-1.105	123.573	7.6	6
220	Indonesia	IRIAN JAYA	2002	10	10					-1.757	134.297	7.6	5
221	Indonesia	SERAM ISLAND	2004	1	28					-3.120	127.400	6.7	-
222	Indonesia	KEPULAUAN ALOR	2004	11	11					-8.152	124.868	7.5	-
223	Indonesia	INDONESIA OFF W. COAST OF SUMATRA	2004	12	26	165,708	532,898	4451.6	0.68465	3.295	95.982	9.1	50.9
224	Indonesia	INDONESIA	2005	3	28	10				2.085	97.108	8.7	3
225	Indonesia	KEPULAUAN MENTAWAI	2005	4	10					-1.644	99.607	6.7	0.4
226	Indonesia	SERAM ISLAND	2006	3	14	4				-3.595	127.214	6.7	3.5
227	Indonesia	INDONESIA JAVA	2006	7	17	802	35,543	55	0.00716	-9.254	107.411	7.7	20.9
228	Indonesia	SUMATRA	2007	9	12					-4.438	101.367	8.4	5
229	Indonesia	SUMATRA	2008	2	25					-2.486	99.972	6.5	0.12
230	Indonesia	SULAWESI	2008	11	16					1.271	122.091	7.3	0.13
231	Indonesia	NEAR NORTH COAST	2009	1	3					-0.414	132.885	7.6	0.39
232	Indonesia	NEAR NORTH COAST	2009	1	3					-0.691	133.305	7.3	-
233	Indonesia	CELEBES SEA	2009	2	11					3.884	126.397	7.2	0.13
234	Indonesia	SUMATRA	2009	8	16					-1.479	99.490	6.7	0.18
235	Indonesia	SUMATRA	2009	9	30					-0.720	99.867	7.5	0.27
236	Indonesia	SUMATRA	2010	4	6					2.383	97.048	7.8	0.44
237	Indonesia	INDONESIA SUMATRA	2010	10	24	530	11,864			-3.487	100.082	7.8	7
238	Indonesia	JAPAN HONSHU ISLAND (?)	2011	3	11	1	95			38.297	142.373	9.0	-
239	Indonesia	OFF W. COAST OF N SUMATRA	2012	4	11					2.327	93.063	8.6	-
240	Indonesia	OFF W. COAST OF N SUMATRA	2012	4	11					0.802	92.463	8.2	-

1	Malaysia	INDONESIA OFF W. COAST OF SUMATRA	2004	12	26	80	5,063	500	0.18	3.295	95.982	9.1	-
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1	Myanmar	AVA (INNWA)	1714	8	4					21.850	95.967	*	-
2	Myanmar	MYANMAR (BURMA) COAST	1750							18.800	93.633	*	-
3	Myanmar	MYANMAR COAST	1930	5	5	500				17.300	96.500	7.3	-
4	Myanmar	INDONESIA OFF W. COAST OF SUMATRA	2004	12	26	71	15,700	500	1.245	3.295	95.982	9.1	-

1	Philippines	W. LUZON ISLAND	1627	9	14					18.400	121.600	8.0	-
2	Philippines	W. LUZON ISLAND	1638							-	-	-	-
3	Philippines	W. LUZON ISLAND	1645	11	30					14.400	121.000	8.0	-
4	Philippines	SIBUYAN SEA	1653	7						13.100	121.600	*	-
5	Philippines	SULU SEA	1675	3						13.000	121.000	*	-
6	Philippines	W. LUZON ISLAND	1677	12	7					14.500	120.500	*	-
7	Philippines	TAAL, LUZON ISLAND	1716	9	24					14.002	120.993	*	-
8	Philippines	E. LUZON ISLAND	1735	12	27					15.800	121.700	*	-
9	Philippines	N. LUZON ISLAND	1744							17.000	121.000	*	-
10	Philippines	SOUTHEASTERN LUZON ISLAND	1747							13.600	123.200	*	-
11	Philippines	TAAL, LUZON ISLAND	1749	8	12					14.002	120.993	*	-
12	Philippines	TAAL, LUZON ISLAND	1754	11	15	12				14.002	120.993	-	-
13	Philippines	W. LUZON ISLAND	1770	12						14.600	120.980	*	-
14	Philippines	LUZON ISLAND	1796	11	5					16.000	119.500	*	-
15	Philippines	W. LUZON ISLAND	1824	10	26					14.250	121.250	*	-
16	Philippines	W. LUZON ISLAND	1828	11	9					14.550	120.900	7.5	-
17	Philippines	W. LUZON ISLAND	1830	1	18					14.550	120.900	*	1
18	Philippines	W. LUZON ISLAND	1830	9	16					14.550	120.900	*	-
19	Philippines	PHILIPPINE SEA	1840	3	22	35				12.900	123.900	6.5	-
20	Philippines	PHILIPPINE SEA	1850							20.600	134.800	-	-
21	Philippines	W. LUZON ISLAND	1852	9	16					14.000	120.500	7.5	-
22	Philippines	PHILIPPINE SEA	1854	1	15					20.900	134.800	-	-

A3.3 Tsunami

No.	Country	Name/ Region	Date			Damage				Origin		Magnit ude	max. water height
			Year	Month	Day	Killed	Affected People	Amount (Million US\$)	Amount /GDP PPP (%)	North	East		
23	Philippines	W. LUZON ISLAND	1862	3	4					14.500	121.000	6.0	-
24	Philippines	W. LUZON ISLAND	1863	6	3					14.500	121.000	6.5	-
25	Philippines	SULU SEA	1865	10	13					-	-	-	-
26	Philippines	PHILIPPINES	1865	10	19					13.250	123.500	6.0	-
27	Philippines	SULU SEA	1869	8	16					12.500	123.500	7.0	-
28	Philippines	SULU SEA	1871	4	30					9.203	124.673	*	-
29	Philippines	PHILIPPINES	1872	1	26					16.000	119.000	6.0	-
30	Philippines	E. LUZON ISLAND	1880	7	18					16.000	121.850	7.5	-
31	Philippines	PANAY ISLAND	1887	2	2					10.700	122.600	*	-
32	Philippines	MINDORO ISLAND	1889	5	25					13.500	121.000	6.8	0.1
33	Philippines	AGUSAN RIVER	1893	6	21					6.900	125.800	*	-
34	Philippines	SULU SEA	1897	9	20					6.000	122.000	8.6	2
35	Philippines	SULU SEA	1897	9	21	13				6.000	122.000	8.7	7
36	Philippines	SAMAR ISLAND	1897	10	18					12.000	126.000	8.1	-
37	Philippines	E. LUZON ISLAND	1901	9	10					14.000	121.600	7.0	-
38	Philippines	ILLANA BAY, CELEBES SEA	1902	8	21					7.500	123.500	7.3	-
39	Philippines	W. LUZON ISLAND	1905	12	8					11.000	123.500	6.5	-
40	Philippines	SULU SEA	1910	12	30					9.000	125.500	6.2	-
41	Philippines	TAAL, LUZON ISLAND	1911	1	30	54				14.002	120.993	*	3
42	Philippines	PHILIPPINE TRENCH	1911	7	12					9.000	126.000	7.8	-
43	Philippines	W. LUZON ISLAND	1915	11	18					18.000	119.500	6.4	-
44	Philippines	CELEBES SEA	1917	1	31					6.000	125.000	6.4	1.5
45	Philippines	CELEBES SEA	1918	8	15	6				5.500	123.000	8.3	7.2
46	Philippines	MINDANAO ISLAND, PHILIPPINES	1919	1	2					8.000	126.000	7.4	0.44
47	Philippines	PHILIPPINE TRENCH	1921	11	11					8.000	127.000	7.5	-
48	Philippines	CEBU ISLAND	1922	2	27					10.200	124.100	6.3	0.7
49	Philippines	SULU SEA	1922	3	1					9.000	123.250	6.0	-
50	Philippines	MINDANAO ISLAND, PHILIPPINES	1923	3	2					6.500	124.000	7.2	-
51	Philippines	BUTUAN, SULU SEA	1923	7	18					9.300	125.000	5.5	-
52	Philippines	E. MINDANAO ISLAND	1924	4	14					6.500	126.500	8.3	-
53	Philippines	PHILIPPINES	1924	5	6					16.000	118.000	6.5	-
54	Philippines	W. LUZON ISLAND	1924	6	2					-	-	-	-
55	Philippines	E. MINDANAO ISLAND	1924	8	30					8.500	126.500	7.3	-
56	Philippines	W. LUZON ISLAND	1925	5	5					9.300	122.700	6.8	-
57	Philippines	W. LUZON ISLAND	1925	5	25					12.200	122.100	6.3	-
58	Philippines	PHILIPPINE SEA	1925	11	13					13.000	125.000	7.3	-
59	Philippines	SULU SEA	1925	11	25					-	-	-	-
60	Philippines	SULU SEA	1928	6	15					12.400	120.900	7.0	-
61	Philippines	CELEBES SEA	1928	12	19	4				7.000	124.000	7.3	-
62	Philippines	E. MINDANAO ISLAND	1929	6	13					8.500	127.000	7.2	-
63	Philippines	E. SAMAR ISLAND	1933	12	25	9				12.770	124.050	-	-
64	Philippines	SOUTH CHINA SEA	1934	2	14					17.500	119.000	7.9	-
65	Philippines	W. LUZON ISLAND	1937	8	20					14.500	121.500	7.5	-
66	Philippines	TAYABAS BAY, SULU SEA	1939	5	6					13.500	121.250	6.5	-
67	Philippines	SULU SEA	1948	1	24	2				10.500	122.000	8.3	-
68	Philippines	NORTHERN LUZON ISLAND	1949	9	5					17.000	121.500	6.4	0.1
69	Philippines	E. LUZON ISLAND	1949	12	29	1				18.000	121.000	7.2	-
70	Philippines	E. OF MINDANO, PHILIPPINES	1952	3	19					9.500	127.250	7.8	0.33
71	Philippines	CHILE CENTRAL CHILE	1960	5	22	32				-39.5	-74.5	9.5	-
72	Philippines	TAAL, LUZON ISLAND	1965	9	28	355				14.002	120.993	-	4.7
73	Philippines	E. LUZON ISLAND	1968	8	1	1				16.500	122.200	7.3	0.16
74	Philippines	LUZON ISLAND	1969	3	21	3				19.077	122.202	-	-
75	Philippines	PHILIPPINE TRENCH	1970	1	10					6.800	126.700	7.6	0.06
76	Philippines	PHILIPPINE SEA	1970	4	7					15.780	121.710	7.3	-
77	Philippines	PHILIPPINE TRENCH	1970	9	30					20.600	122.000	5.3	-
78	Philippines	MINDANAO ISLAND, PHILIPPINES	1972	12	2					6.500	126.600	7.4	0.5
79	Philippines	QUEZON	1973	3	17					13.400	122.800	7.5	1.3
80	Philippines	PHILIPPINE TRENCH	1975	10	31	1				12.540	125.993	7.6	4
81	Philippines	MORO GULF	1976	8	16	4,376				6.262	124.023	8.1	8.5
82	Philippines	MINDANAO ISLAND, PHILIPPINES	1978	6	14					8.249	122.403	6.9	0.03
83	Philippines	PHILIPPINES	1982	1	11					13.752	124.358	7.1	0.1
84	Philippines	LUZON ISLAND	1983	8	17					18.231	120.860	6.6	0.1
85	Philippines	NORTH OF LUZON ISLAND	1988	6	24					18.606	121.013	5.4	1.03
86	Philippines	PHILIPPINES	1990	2	8					9.755	124.694	6.6	2.1
87	Philippines	CANIGUIN IS., PHILIPPINES	1990	5						7.000	126.000	-	5
88	Philippines	PHILIPPINES	1992	5	17					7.191	126.762	7.3	6
89	Philippines	PHILIPPINE ISLANDS	1994	11	14	81				13.525	121.067	7.1	7.3
90	Philippines	SAMAR ISLAND	1995	4	21					12.059	125.580	7.2	0.2
91	Philippines	SAMAR ISLAND	1995	4	21					12.047	125.920	6.8	0.2
92	Philippines	TAWI-TAWI, PHILIPPINES	2000	1	26					5.100	120.150	-	20
93	Philippines	MINDANAO ISLAND, PHILIPPINES	2002	3	5					6.033	124.249	7.5	3
94	Philippines	PHILIPPINE ISLANDS	2012	8	31					10.838	126.704	7.6	0.15
1	Thailand	INDONESIA OFF W. COAST OF SUMATRA	2004	12	26	8,345	67,007	1000	0.242	3,295	95,982	9.1	-
2	Thailand	INDIA LITTLE NICOBAR ISLAND (?)	1955	6	0	500				6.5	94	7.3	-



### A3.4 Volcano

No.	Country	Name/ Region	Date			Damage				Location		Volcanic Explosivity Index (VEI)	Hazard Situation (Agent)
			Year	Month	Day	Killed	Affected People	Amount (Million US\$)	Amount / GDP PPP (%)	North	East		
1	Indonesia	Krakatau	416							-6.102	105.423	-	W
2	Indonesia	Kelut	1311							-7.930	112.308	3	-
3	Indonesia	Kelut	1334							-7.930	112.308	3	-
4	Indonesia	Kelut	1376							-7.930	112.308	3	-
5	Indonesia	Kelut	1385							-7.930	112.308	3	-
6	Indonesia	Dukono	1550	11						1.680	127.880	3	-
7	Indonesia	Gamkonora	1564	12	31					1.375	127.520	3	-
8	Indonesia	Kelut	1586			10,000				-7.930	112.308	5	-
9	Indonesia	Merapi	1587							-7.542	110.442	4	-
10	Indonesia	Raung	1593							-8.125	114.042	5	-
11	Indonesia	Raung	1597							-8.125	114.042	3	T
12	Pacific Ocean	Banda Api	1598							-4.525	129.871	3	-
13	Indonesia	Gamalama	1608	7	18					0.800	127.325	3	-
14	Pacific Ocean	Banda Api	1615	3						-4.525	129.871	3	-
15	Indonesia	Raung	1638			1,000				-8.125	114.042	3	M
16	Indonesia	Makian	1646	7	19					0.320	127.400	4	-
17	Pacific Ocean	Teon	1659	11	11					-6.920	129.125	4	-
18	Pacific Ocean	Teon	1660	2		3				-6.920	129.125	4	G,T
19	Indonesia	Merapi	1672	8	4	3,000				-7.542	110.442	3	P
20	Indonesia	Gamkonora	1673	5	20					1.375	127.520	5	W
21	Indonesia	Guntur	1690							-7.130	107.830	3	-
22	Pacific Ocean	Serua	1692	6	4					-6.300	130.000	4	L
23	Pacific Ocean	Banda Api	1694	11	20					-4.525	129.871	3	-
24	Indonesia	Cereme	1698							-6.892	108.400	3	-
25	Indonesia	Awu	1711	12	10	3,000				3.670	125.500	3	P
26	Indonesia	Kelut	1716	7	20					-7.930	112.308	2	M
27	Indonesia	Raung	1730							-8.125	114.042	3	M,T
28	Indonesia	Makian	1760	9	22	2,000				0.320	127.400	4	M
29	Indonesia	Gamalama	1771	8	28	35				0.800	127.325	3	T
30	Indonesia	Papandayan	1772	8	12	2,957				-7.320	107.730	3	A
31	Indonesia	Gamalama	1773	2	2					0.800	127.325	2	I
32	Indonesia	Gamalama	1775	8	20	1,300				0.800	127.325	3	P,I
33	Indonesia	Lokon-Empung	1775							1.358	124.792	3	-
34	Indonesia	Dieng Volc Complex	1786			38				-7.200	109.920	2	A
35	Indonesia	Guntur	1800	10	8					-7.130	107.830	-	M
36	Indonesia	Awu	1812	8	6	953				3.670	125.500	3	P,M
37	Indonesia	Tambora	1815	4	5	10,000				-8.250	118.000	7	P,W
38	Indonesia	Ijen	1817	1	24					-8.058	114.242	2	M
39	Indonesia	Raung	1817							-8.125	114.042	4	-
40	Pacific Ocean	Banda Api	1820	6	11					-4.525	129.871	2	-
41	Indonesia	Galunggung	1822	10	8	4,011				-7.250	108.050	5	P,M
42	Indonesia	Merapi	1822	12	27	100				-7.542	110.442	3	-
43	Indonesia	Kelut	1826	10	11					-7.930	112.308	3	M
44	Indonesia	Dieng Volc Complex	1826	10	11					-7.200	109.920	2	-
45	Indonesia	Guntur	1829							-7.130	107.830	2	-
46	Indonesia	Merapi	1832	12	25	32				-7.542	110.442	3	-
47	Indonesia	Kaba	1833	11	24	126				-3.520	102.620	2	M
48	Pacific Ocean	Banda Api	1835	11	1					-4.525	129.871	-	-
49	Indonesia	Peuet Sague	1837	9						4.914	96.329	-	-
50	Indonesia	Gamalama	1838	2	26	4				0.800	127.325	2	T
51	Indonesia	Gamalama	1840	2	2					0.800	127.325	2	-
52	Indonesia	Lamongan	1843	8		4				-8.000	113.342	2	-
53	Indonesia	Soputan	1845	2	8					1.108	124.725	2	-
54	Indonesia	Tangkubanparahu	1846	5	27					-6.770	107.600	2	-
55	Indonesia	Dieng Volc Complex	1847	12	4					-7.200	109.920	2	-
56	Indonesia	Kelut	1848	5	16	21				-7.930	112.308	2	M
57	Indonesia	Awu	1856	3	2	2,806				3.670	125.500	3	P
58	Indonesia	Semeru	1860	4						-8.108	112.920	2	-
59	Indonesia	Makian	1861	12	29	326				0.320	127.400	4	P,I
60	Indonesia	Kelut	1864	1	3	54				-7.930	112.308	2	M
61	Indonesia	Lewotobi	1869	7	7	2				-8.530	122.775	2	-
62	Indonesia	Lamongan	1869	8		8				-8.000	113.342	2	T,A
63	Indonesia	Ruang	1870	8						2.280	125.425	2	-
64	Indonesia	Iliwerung	1870							-8.540	123.590	3	-
65	Indonesia	Ruang	1871	3	3					2.280	125.425	2	W
66	Indonesia	Gamalama	1871	8	7	1				0.800	127.325	2	T
67	Indonesia	Merapi	1872	11	3	200				-7.542	110.442	4	P,T
68	Indonesia	Kelut	1875	1	29					-7.930	112.308	0	m
69	Indonesia	Krakatau	1883	8	27	2,000				-6.102	105.423	6	W,P,I
70	Indonesia	Krakatau	1883	10	10					-6.102	105.423	-	-
71	Indonesia	Krakatau	1884	2						-6.102	105.423	-	-
72	Indonesia	Semeru	1884	12	10	74				-8.108	112.920	2	A
73	Indonesia	Banua Wuhu	1889	9	6					3.138	125.491	2	-
74	Indonesia	Makian	1890	6	29					0.320	127.400	2	-
75	Indonesia	Sorikmarapi	1892	5	21	180				0.686	99.539	2	M
76	Indonesia	Awu	1892	6	7	1,532				3.670	125.500	3	P,M
77	Indonesia	Semeru	1895	5	22					-8.108	112.920	2	-
78	Indonesia	Kelut	1901	5	22					-7.930	112.308	3	-
79	Indonesia	Merapi	1902	12		16				-7.542	110.442	2	P
80	Indonesia	Lewotobi	1907	9	28	1				-8.530	122.775	2	-
81	Indonesia	Kelud	1909	0	0	5,500				-8.108	112.920	2	m
82	Indonesia	Semeru	1911	11	8					-8.108	112.920	3	-
83	Indonesia	Semeru	1913	6	23					-8.108	112.920	2	-

### A3.4 Volcano

No.	Country	Name/ Region	Date			Damage				Location		Volcanic Explosivity Index (VEI)	Hazard Situation (Agent)
			Year	Month	Day	Killed	Affected People	Amount (Million US\$)	Amount / GDP PPP (%)	North	East		
84	Indonesia	Banua Wuhu	1918	7	18					3.138	125.491	3	-
85	Indonesia	Banua Wuhu	1919	4	3					3.138	125.491	-	-
86	Indonesia	Kelud	1919	5	0	5,000				-7.930	112.308	4	M
87	Indonesia	Merapi	1920	7	25	33				-7.542	110.442	3	P
88	Indonesia	Papandayan	1923	3	11	1				-7.320	107.730	1	G
89	Indonesia	Paluweh	1927	8	7					-8.320	121.708	-	-
90	Indonesia	Krakatau	1928	3	28					-6.102	105.423	-	-
91	Indonesia	Dieng Volc Complex	1928	5	13	40				-7.200	109.920	2	T
92	Indonesia	Paluweh	1928	8	4	98				-8.320	121.708	3	W,T
93	Indonesia	Krakatau	1930	3	17					-6.102	105.423	2	-
94	Indonesia	Merapi	1930	11	25	1,369				-7.542	110.442	3	P
95	Indonesia	Merapi	1931	12	13	1,300				-	-	-	-
96	Indonesia	Dieng Volc Complex	1939	10	13	10				-7.200	109.920	1	T
97	Indonesia	Karangetang [Api Siau]	1940	6	20	1				2.780	125.480	2	-
98	Indonesia	Semeru	1941	9	21					-8.108	112.920	2	-
99	Indonesia	Dieng Volc Complex	1944	12	4	117				-7.200	109.920	2	T
100	Indonesia	Semeru	1946	2		6				-8.108	112.920	2	F
101	Indonesia	Semeru	1946	10	29					-8.108	112.920	2	-
102	Indonesia	Iliwerung	1948	4	7					-8.540	123.590	2	-
103	Indonesia	Semeru	1950	8	28	6				-8.108	112.920	1	P
104	Indonesia	Merapi	1951	8	31	1,300				-7.930	112.308	3	0
105	Indonesia	Merapi	1953	3	23	64				-7.542	110.442	3	P
106	Indonesia	Sirung	1953	6		5				-8.510	124.148	0	-
107	Indonesia		1954	1	0	37				-	-	-	-
108	Indonesia	Merapi	1957	6	25	6				-7.542	110.442	2	P
109	Indonesia	Mahawu	1958	7	12	1				1.358	124.858	2	M
110	Indonesia	Gamalama	1962	12	31	5				0.800	127.325	2	-
111	Indonesia	Agung	1963	1	3	1,584	78,000			-8.342	115.508	4	P,T,M,A
112	Indonesia	Semeru	1963	5	5	106				-8.108	112.920	2	T
113	Indonesia	Batur	1963	9	5	2				-8.242	115.375	2	-
114	Indonesia	Paluweh	1964	1	1	1				-8.320	121.708	2	-
115	Indonesia	Dieng Volc Complex	1964	12	13	114				-7.200	109.920	1	-
116	Indonesia	Kelud	1966	4	25	1,000	5,060			-7.930	112.308	4	M,m,P
117	Indonesia	Awu	1966	8	12	88	42,000			3.670	125.500	4	P,M,I
118	Indonesia	Merapi	1967	1	12	3				-7.542	110.442	3	P
119	Indonesia	Semeru	1967	8	31	3				-8.108	112.920	3	M
120	Indonesia	Semeru	1968	1		372				-8.108	112.920	2	m
121	Indonesia	Iya	1969	1	28		250,000	0.2		-8.880	121.630	3	T,m
122	Indonesia	Semeru	1973	1		12				-8.108	112.920	2	M
123	Indonesia	Paluweh	1973	1						-8.320	121.708	3	-
124	Indonesia	Iliwerung	1973	12	5	2				-8.540	123.590	2	W
125	Indonesia	Karangetang [Api Siau]	1974	2	11	4				2.780	125.480	3	A
126	Indonesia	Marapi	1975	1		80				-0.381	100.473	2	M
127	Indonesia	Semeru	1976	8	31	40				-8.108	112.920	2	M
128	Indonesia	Karangetang [Api Siau]	1976	9	15	1				2.780	125.480	2	P
129	Indonesia	Sinila	1979	2	20	175	28,000			-7.200	109.920	1	G
130	Indonesia	Merapi	1979	5	0	82				-	-	-	-
131	Indonesia	Gamalama	1980	9	4		52,235			-	-	-	-
132	Indonesia	Semeru	1981	3	2	192	5,000			-	-	-	-
133	Indonesia	Paluweh	1981	9	5					-8.320	121.708	2	P
134	Indonesia	Galunggung	1982	4	5	30	300,000	160	0.11646	-7.250	108.050	4	I,T
135	Indonesia	Soputan	1982	8	26		30,000			-	-	-	-
136	Indonesia	Gamkunoro Volcano	1983	6	28		2,500			-	-	-	-
137	Indonesia	Colo	1983	7	14		7,101	25.5	0.01714	-0.170	121.608	4	0
138	Indonesia	Iliwerung	1983	8	17					-8.540	123.590	1	W
139	Indonesia	Gamalama	1983	9	9		6,334	149.69	0.10059	-	-	-	-
140	Indonesia	Soputan	1984	5	25		6,000			-	-	-	-
141	Indonesia	Merapi	1984	6	15		5,000			-	-	-	-
142	Indonesia	Karangetan	1984	9	5		17,000			-	-	-	-
143	Indonesia	Sangeang	1985	7	30		1,078			-	-	-	-
144	Indonesia	Merapi	1986	10	15	1				-7.542	110.442	2	M
145	Indonesia	Sirung	1987	12	1					-8.510	124.148	-	-
146	Indonesia	Mandosawu	1987	12	28		13,000			-	-	-	-
147	Indonesia	Banda Api	1988	5	9	7	10,000			-4.525	129.871	3	T,L
148	Indonesia	Kiebessy	1988	7	17		1,570			-	-	-	-
149	Indonesia	Soputan	1989	4	23		3,000			-	-	-	-
150	Indonesia	Kelud	1990	2	10	33	10,265	8	0.00289	-7.930	112.308	4	T,P
151	Indonesia	Lokon	1991	10	24		7,679	1	0.00033	1.358	124.792	1	T,P
152	Indonesia	Karangetang [Api Siau]	1992	5	11	6				2.780	125.480	1	P
153	Indonesia	Damar	1993	1	21	1	3,012			-	-	-	-
154	Indonesia	Karangetang	1993	1	25	2	452			-	-	-	-
155	Indonesia	Krakatau	1993	6	13	1				-6.102	105.423	1	T
156	Indonesia	Semeru	1994	2	3	7	2,000			-	-	-	-
157	Indonesia	Marapi	1994	7	16	1				-0.381	100.473	2	T
158	Indonesia	Barujari	1994	11	3	31				-	-	-	-
159	Indonesia	Merapi	1994	11	22	58	2,722			-7.542	110.442	3	0
160	Indonesia	Semeru	1996	5	5	1				-8.108	112.920	2	P
161	Indonesia	Merapi	1997	1	17	1	3,000			-	-	-	-
162	Indonesia	Karangetang [Api Siau]	1997	4	17	3				2.780	125.480	1	P
163	Indonesia	Merapi	1998	7	11		6,000			-	-	-	-
164	Indonesia	Karangetang [Api Siau]	2002	1	3					2.780	125.480	3	M
165	Indonesia	Papandayan	2002	11	11		5,000			-	-	-	-
166	Indonesia	Egon	2004	1	29		4,000			-	-	-	-

### A3.4 Volcano

No.	Country	Name/ Region	Date			Damage				Location		Volcanic Explosivity Index (VEI)	Hazard Situation (Agent)
			Year	Month	Day	Killed	Affected People	Amount (Million US\$)	Amount / GDP PPP (%)	North	East		
167	Indonesia	Awu	2004	6	1		16,828			-	-	-	-
168	Indonesia	Bromo	2004	6	8	2	20,005			-7.942	112,950	2	T
169	Indonesia	Egon	2004	9	4		2,100			-	-	-	-
170	Indonesia	Talang	2005	4	12		26,000			-	-	-	-
171	Indonesia	Merapi	2006	4	18		11,000			-	-	-	-
172	Indonesia	Merapi	2006	6	14	2				-7.542	110,442	1	-
173	Indonesia	Gamkonora	2007	7	9		9,758			-	-	-	-
174	Indonesia	Kelud	2007	10	16		22,154			-	-	-	-
175	Indonesia	Egon	2008	4	15		600			-	-	-	-
176	Indonesia	Karangetang [Api Siau]	2010	8	6	4				2.780	125,480	3	-
177	Indonesia	Sinabung	2010	8	29	1	15,060			3.170	98,392	0	0
178	Indonesia	Merapi	2010	10	24	322	137,140			-7.542	110,442	0	0
179	Indonesia	Tengger Caldera	2010	12	28					-7.942	112,950	-	-
180	Indonesia	Merapi	2011	1	3	1				-7.542	110,442	-	M
181	Indonesia	Karangetang [Api Siau]	2011	3	18					2.780	125,480	-	-
182	Indonesia	Lokon-Empung	2011	7	11		6,000			1.358	124,792	0	0
183	Indonesia	Gamalama	2011	12	4	3	2,373			0.800	127,325	3	m
184	Indonesia	Merapi	2013	2	12	1				-7.542	110,442	-	M
185	Indonesia	Paluweh	2013	2						-8.320	121,708	-	-

1	Philippines	Taal	-3580							14.002	120,993	6	
2	Philippines	Pinatubo	-3550							15.130	120,350	6	
3	Philippines	Pinatubo	-1050							15.130	120,350	6	
4	Philippines	Taal	1716	9	24					14.002	120,993	4	
5	Philippines	Taal	1749	8	11					14.002	120,993	3	
6	Philippines	Taal	1754	5	13	12				14.002	120,993	4	W,T
7	Philippines	Mayon	1766	7	20	49				13.257	123,685	3	m
8	Philippines	Mayon	1800	10	30					13.257	123,685	2	
9	Philippines	Mayon	1814	2	1	1,200				13.257	123,685	4	P,M,E
10	Philippines	Mayon	1853	7	13	34				13.257	123,685	3	P
11	Philippines	Mayon	1858	1						13.257	123,685	2	P
12	Philippines	Hibok-Hibok	1871	4	30					9.203	124,673	2	
13	Philippines	Mayon	1871	12	8	3				13.257	123,685	3	P
14	Philippines	Ragang	1873	1	16					7.670	124,500	2	
15	Philippines	Taal	1874	7	19					14.002	120,993	2	
16	Philippines	Mayon	1887	3	9	15				13.257	123,685	3	T
17	Philippines	Mayon	1897	5	23	350				13.257	123,685	3	P,T,M
18	Philippines	Taal	1911	1	31	1,335	199			14.002	120,993	4	P,W
19	Philippines	Mayon	1928	1						13.257	123,685	3	P
20	Philippines	Bulusan	1933	12	25					12.770	124,050	2	
21	Philippines	Mayon	1938	6	5					13.257	123,685	2	
22	Philippines	Mayon	1947	1	7					13.257	123,685	2	
23	Philippines	Hibok-Hibok	1948	9	1	68				9.203	124,673	3	P
24	Philippines		1950	9	0	84							
25	Philippines	Hibok-Hibok	1951	12	4	500				9.203	124,673		
26	Philippines	Ambalatungan Group	1952			12				17.320	121,100	1	
27	Philippines	Hibok-Hibok	1954			2				9.203	124,673		m
28	Philippines	Taal	1965	9	28	355	58,785	10		14.002	120,993	4	P,W
29	Philippines	Mayon	1968	4	20	3	51,000	5		13.257	123,685	3	M,P
30	Philippines	Didicas	1969	3	21					19.077	122,202	2	W
31	Philippines	Kanlaon	1969	10	5		1,700						
32	Philippines	Taal	1976	9	3		11,510	0.679	0.0011	14.002	120,993		
33	Philippines	Mayon	1978	5	0		25,000			13.257	123,685		
34	Philippines	Bulusan	1978	7	29		1,000			12.770	124,050	2	
35	Philippines	Mayon	1981	6	30	200				13.257	123,685		m
36	Philippines	Mayon	1984	9	10		70,000			13.257	123,685	3	M
37	Philippines	Taal	1991	4	0		3,800			14.002	120,993		
38	Philippines	Poon Bato	1991	4	5		2,000			14.002	120,993		
39	Philippines	Pinatubo	1991	6	9	640	1,036,065	211	0.178	15.130	120,350	6	P,m,I
40	Philippines	Taal	1992	2	14		1,578			14.002	120,993		
41	Philippines	Pinatubo	1992	7	12	6				15.130	120,350	1	m
42	Philippines	Mayon	1993	2	6	79	165,009	0.488	0.0004	13.257	123,685	2	P
43	Philippines	Pinatubo	1995	7	29		2,500			15.130	120,350		
44	Philippines	Mayon	2000	2	24		68,426	2.214	0.0012	13.257	123,685		
45	Philippines	Mayon	2001	5	24		25,576	0.792	0.0004	13.257	123,685		
46	Philippines	Mayon	2001	7	25		57,645	1.788	0.0009	13.257	123,685		
47	Philippines	Bulusan	2006	6	7	1				12.770	124,050	2	
48	Philippines	Mayon	2006	7	13	1,266				13.257	123,685	2	m
49	Philippines	Mayon	2006	8	13		43,849			13.257	123,685		
50	Philippines	Bulusan	2007	7	31		14,036			12.770	124,050		
51	Philippines	Mayon	2009	12	14		47,137			13.257	123,685		
52	Philippines	Bulusan	2010	11	9		14,161			12.770	124,050		
53	Philippines	Bulusan	2011	2	21		32,616			12.770	124,050	2	
54	Philippines	Taal	2011	3	17		1,315			14.002	120,993		

A3.5 Cyclone

No.	Country	Disaster Type	Cause/ Sub Type (name)	Disaster Start			Disaster End			Damage			Affected Area		Hazard Situation	Affected Area (km2)	Affected Region	
				Year	Mo nth	Day	Year	Mo nth	Day	Killed	Affected People	Amount (Million US\$)	Amount / GDP PPP (%)	Latitude				Logitude
1	Cambodia	Cyclone		2009	11	2	2009	11	3	2								
2	Cambodia	Cyclone		2009	9	29	2009	9	30	17	178091	0	0.00000%	107.98	14.90	5.59	49030	Central Coastal Vietnam, Kambong Thom province.
3	Cambodia	Cyclone		1997	11	1	1997	11	4	25		0.01	0.00012%					
4	Cambodia	TC		1994	7	30	1994	8	8			0	0.00000%			5.60	40130	Provinces: Kampang Speu, Kandal, Western Pursat, Northwestern Battambang
1	Indonesia	TC		2004	3	30	2004	3	30		1315							Cieruk, Cibelang, Warung ...
2	Indonesia	LS		2004	2	3	2004	2	5	4	2400							East Java, West Nusa Teng ...
3	Indonesia	TC		1998	11	17	1998	11	22						5.53	56180	East and West Nusa Tenggara	
4	Indonesia	TC		1989	1	17	1989	1	27						5.88	68880	Sumatra - Bengkulu, Riau	
5	Indonesia	Storm		1985	2	0	1985	2	0		10000						Bandung region	
6	Indonesia	TC		1982	1	0	1982	1	0	2	123						Siemen (Central Java)	
7	Indonesia	TC		1980	2	15	1980	2	15		800						West Java	
8	Indonesia	TC		1977	7	30	1977	7	30	1	3060						Central Java	
9	Indonesia	Storm		1976	12	0	1976	12	0	25								
10	Indonesia	Storm		1974	1	0	1974	1	0	10	2000						Situbondo (West Java)	
11	Indonesia	TC		1973	6	0	1973	6	0	1650							Flores	
12	Indonesia	TC		1956	12	0	1956	12	0	300								
1	Lao PDR	Cyclone		2009	10	1	2009	10	1	16	128887	100	0.69425%					
2	Lao PDR	Cyclone		1995	8	1	1995	8	1	26	1000000							
3	Lao PDR			1993	7		1993	7		8	120	302.151	8.21063%					
4	Lao PDR	Cyclone		1992	7	10	1992	7	10	22	268877	3.65	0.10732%					
5	Lao PDR			1991			1991				38315	0.15	0.00483%					
1	Malaysia	Storm		2004	11	6	2004	11	6	1	40000							
2	Malaysia	Storm		2004	7	16	2004	7	16		1000							
3	Malaysia	Storm		2002	3	30	2002	3	30	2	153							
4	Malaysia	Storm		2000	9	27	2000	9	27		500							
5	Malaysia	Cyclone		1997	8	23	1997	8	27	2	2115							
6	Malaysia	Cyclone		1997	8	21	1997	8	21	68	137418							
7	Malaysia	Cyclone		1996	12	26	1996	12	28	270	4176	52	0.02980%					
8	Malaysia	Storm		1968	1	7	1968	1	7	21	10000							
1	Myanmar	Cyclone		2010	10	22	2010	10	22	45	260049	57	0.07426%					
2	Myanmar	Cyclone		2008	5	2	2008	5	3	138366	2420000	4000	5.89997%					
3	Myanmar	Cyclone		2006	4	29	2006	5	5	34	60106							
4	Myanmar	Cyclone		2004	5	19	2004	5	19	236	25000	0.688	0.00171%					
5	Myanmar	Cyclone		1994	5	2	1994	5	2	17	64970	10	0.05688%					
6	Myanmar	Cyclone		1982	5	4	1982	5	4	11	36000							
7	Myanmar	Cyclone		1978	5	17	1978	5	17		132000							
8	Myanmar	Cyclone		1975	5		1975	5			200							
9	Myanmar	TC		1902	5	4	1902	5	4	600								
10	Myanmar	TC		1926	5	19	1926	5	19	2700	40000							
11	Myanmar	TC		1923	5	7	1923	5	7	6								
12	Myanmar	TC		1936	4	21	1936	4	21	1000	150000							
13	Myanmar	TC		1968	5	10	1968	5	10	1070	90000	2.5						
14	Myanmar	TC		1967	10	23	1967	10	23	178	27319	3.2						
15	Myanmar	TC		1967	5	16	1967	5	16	100	130200	5						
16	Myanmar	TC		1965	10	23	1965	10	23	100	500000	1						
17	Myanmar	TC		1963	5	25	1963	5	25		200							
1	Philippines	Cyclone		2012	10	25	2012	10	25	36	15000							
2	Philippines	Cyclone		2012	10	3	2012	10	3		322							
3	Philippines	Cyclone		2012	9	21	2012	9	24	4	7921							
4	Philippines	Cyclone		2012	9	13	2012	9	14	1	1234							
5	Philippines	Cyclone		2012	8	20	2012	8	21	111	5607	0.099	0.00002%					
6	Philippines	Cyclone		2012	8	17	2012	8	17	4								
7	Philippines	Cyclone		2012	7	31	2012	8	7	58	949086	9.821	0.00236%					
8	Philippines	Cyclone		2011	12	15	2011	12	18	1439	1150300	38.082	0.00874%					
9	Philippines	Cyclone		2011	10	13	2011	10	13	11	75638							
10	Philippines	Cyclone		2011	10	1	2011	10	1	25	1116775	2.655	0.00068%					
11	Philippines	Cyclone		2011	9	24	2011	9	24	103	3030846	344.173	0.08800%					
12	Philippines	Cyclone		2011	8	27	2011	8	29	43	403230	34.452	0.00881%					
13	Philippines	Cyclone		2011	8	2	2011	8	2	11	8423	0.059	0.00002%					
14	Philippines	Cyclone		2011	7	26	2011	7	27	84	1108224	63.258	0.01617%					
15	Philippines	Cyclone		2011	6	21	2011	6	25	20	1700089	12.869	0.00329%					
16	Philippines	Cyclone		2011	6	19	2011	6	24									
17	Philippines	Cyclone		2011	6	9	2011	6	10	9	1152							
18	Philippines	Cyclone		2011	5	20	2011	5	29		446907	0.431	0.00011%					
19	Philippines	Cyclone		2011	5	8	2011	5	11	37	430092	31.259	0.00799%					
20	Philippines	Cyclone		2010	10	18	2010	10	18	35	2009026	275.745	0.07482%					
21	Philippines	Cyclone		2010	8	9	2010	8	9	31	1045		0.00000%					
22	Philippines	TS	Basyang (Conson)	2010	7	12	2010	7	15	146	585474	8.675	0.00235%	121.47	17.10	5.32	34780	Luzon, Laguna Province, 27 out of 30 towns flooded
23	Philippines	Cyclone		2009	11	25	2009	11	25	4	48142	0.012	0.00000%					
24	Philippines	TS	Mirinae	2009	10	30	2009	11	4					107.66	14.91	6.05	124900	Bicol, Southern Tagalog and Metro Manila
25	Philippines	Cyclone		2009	10	28	2009	10	28	39	802175	15.194	0.00450%					
26	Philippines	Typhoon	Parma	2009	10	2	2009	10	17					121.42	17.57	6.04	34500	Northern Luzon
27	Philippines	Cyclone		2009	9	28	2009	10	10	512	4478491	583.379	0.17265%					
28	Philippines	Cyclone		2009	9	24	2009	9	27	501	4901763	237.469	0.07028%	120.75	14.87	5.55	25300	Mindanao, Manila and surrounding provinces
29	Philippines	Cyclone		2009	9	14	2009	9	13	3	48393							
30	Philippines	Cyclone		2009	8	8	2009	8	9	15	388373	6.303	0.00187%					
31	Philippines	Cyclone		2009	8	2	2009	8	8	1	95700			121.37	17.23	5.86	36440	
32	Philippines	Cyclone		2009	8	4	2009	8	8	26	94229	25	0.00740%	121.44	17.87	4.87	24550	Luzon
33	Philippines	Cyclone		2009	8	1	2009	8	3	14	221422	2888	0.85469%					
34	Philippines	Cyclone		2009	7	23	2009	7	26	16	110405	4.281	0.00127%					
35	Philippines	TC		2009	7	18	2009	7	18	5	248058			121.35	17.12	5.15	47240	Northern Philippines, northern Ilocos Norte
36	Philippines	Cyclone		2009	5	15	2009	5	15		100							

A3.5 Cyclone

No.	Country	Disaster Type	Cause/ Sub Type (name)	Disaster Start			Disaster End			Damage			Affected Area		Hazard Situation	Affected Area (km2)	Affected Region	
				Year	Mo nth	Day	Year	Mo nth	Day	Killed	Affected People	Amount (Million US\$)	Amount /GDP PPP (%)	Latitude				Logitude
54	Philippines	Cyclone		2007	9	29	2007	10	12	8	2000							
55	Philippines	Cyclone		2007	9	18	2007	9	18	1	64000							
56	Philippines	Cyclone		2007	9	17	2007	9	25	2	30000							
57	Philippines	TC		2007	8	17	2007	8	24	3	380000	0.492	0.00016%	119.91	27.00	6.74	460400	Philippines – Central Luzon, the Cagayan Valley, southern Luzon provinces and the Bicol region – Metro Manila area, Pasay, Paranaque, Makati, Taguig, Manila, Malabon, Valenzuela and Quezon. Pampanga, Rizal, Batangas, Laguna and Cavite —Taiwan – Yunlin, Changhua, Kaohsiung and Pingtung counties. Hualien, Taitung, Haocha in Pingtung County —China – Fujian (Yongfeng county, Hui'an county, Fuzhou, Jiaocheng), Zhejiang (Wenzhou), Hunan Southern and central Luzon – metro Manila area, Malabon, Pateros, Quezon City, Bulacan, Antipolo City, Zambales, Baguio City
58	Philippines	TC		2007	8	8	2007	8	13	7	921462	0.492	0.00016%	121.09	14.67	4.39	4110	Philippines – Bicol Region – Albay province – Padang, Legazpi city, Daraga, Guinobatan Catanduanes Island – Mindoro Island – —Vietnam – provinces: Ba Ria Vung Tau, Ben Tre, Phu Yen, Binh Thuan, Binh Dinh, Vinh Long, Tien Giang, Phu
59	Philippines	Cyclone		2006	12	11	2006	12	11	42	327542							
60	Philippines	TC		2006	11	30	2006	12	8	1399	2562517	66.4	0.02342%	106.74	10.33	5.61	45660	Philippines – Bicol Region – Albay province – Padang, Legazpi city, Daraga, Guinobatan Catanduanes Island – Mindoro Island – —Vietnam – provinces: Ba Ria Vung Tau, Ben Tre, Phu Yen, Binh Thuan, Binh Dinh, Vinh Long, Tien Giang, Phu
61	Philippines	Cyclone		2006	11	13	2006	11	13	6	21260							
62	Philippines	Cyclone		2006	10	30	2006	11	1	34	283021	9.077	0.00320%	121.82	17.02	4.86	23980	Luzon Island: Isabela (Ilagan, Dinapigue, Jones, Cauayan City), Nueva Vizcaya (Kasibu), Benguet (Bugias), Kaliling, Aurora, La Union, Cagayan (Tua), Baguio city
63	Philippines	TC		2006	9	27	2006	10	6	228	3842406	113	0.03985%	107.21	16.68	5.84	69820	Philippines – Luzon Island – provinces: Laguna (Santa Rosa), Cavite (General Trias, Kawit, San Francisco), Quezon, Albay, Rizal, Bicol region, Manila area, Calauan, Sorsogon. Panay Island – Antique province, Barbaza, Tibiao, Iloilo, Maasin, Pavia Leyte – Kananga, Ormoc City Samar – Calbayog area Negros Occidental – Ilog, Kabankalan —Vietnam – Quang Nam, Quang Binh, Quang Tri, Thua Thien Hue, Nghe An, Ha Tinh, Quang Binh, Ho An, Linh
64	Philippines	TC		2006	8	2	2006	8	6	6	15000	135	0.04761%	110.11	21.11	5.91	162800	Philippines – northern Luzon Quirino region China – Provinces – Guangdong (counties: Yangxi, Dianbai, Taishan, Enping, Yangchun), Guangxi, Hainan
65	Philippines	TC		2006	7	30	2006	8	2			0.64466	0.00023%	120.74	15.86	4.04	2751	Provinces – Tarlac, Zambales and Nueva Ecija, Isabela, Quirino and Pampanga
66	Philippines	TC		2006	7	24	2006	7	28	4	200355	0.471	0.00017%	117.28	26.39	6.24	350900	Philippines – Central Luzon Provinces – Bulacan (San Jose del Monte, Malolos, Bocaue, Obando, Marilao, Balagtas, Meycauayan), Manila (Quezon, Valenzuela, Marikina), Zambales (San Narciso, San Felipe, San Marcelino, San Antonio), Pampanga (San Fernando), Tarlac (Camiling), La Union, Bataan (Dinalupihan, Hermosa). Other islands: Mimaropa (Mindoro, Marinduque, Romblon and Palawan). Southeastern China – Provinces: Fujian (Zhao'an), Jiangxi (Shangyou, Ganzhou, Fuzhou), Guangdong (Wuhua), Hainan, Hunan, Zhejiang
67	Philippines	TC		2006	7	11	2006	7	19			3328	1.17373%	112.11	24.00	6.92	613200	Philippines – Northern Luzon, Manila, Malabon City, Baguio City, Olongapo City, Ilocos Sur —China – Hunan Province – Hengyang, Chenzhou, Zixing area, Pingshui. Guangdong – Shaoguan, Lechang, Meizhou, Chaozhou, Dongguan's Changan township, other provinces: Zhejiang, Fujian, Jiangxi, Guangdong and Guangxi —Vietnam – Bac Can Province: (Ba Be, Pak Nam, Cho Don), other provinces: Lang Son, Vinh Phuc, Cao Bang, Thai Nguyen, Ha Giang
68	Philippines	Cyclone		2006	7	1	2006	7	17	37	51680	3	0.00106%					
69	Philippines	Cyclone		2006	6	30	2006	8	2	8	476027	0.645	0.00023%					
70	Philippines	TC		2006	5	11	2006	5	12	41	42000	3.328	0.00117%	124.86	11.24	3.82	1660	Leyte – Sogod, Macrohon Luzon: Bicol Region – Albay Province
71	Philippines	Cyclone		2005	9	15	2005	9	22	16	20000	2	0.00077%					
72	Philippines	Cyclone		2005	3	15	2005	3	17	18	11							
73	Philippines	TC		2004	11	30	2004	12	3	8	70488	34	0.01401%			5.98	39970	Eastern Luzon – Quezon Province – Towns: Real, Infanta and General Nakar. Other provinces: Aurora (Dingalan, Baler), Rizal, Nueva Ecija (Gabaldon), Camarines Norte, Bulacan, Cagayan, Isabela, La Union, Quirino.
74	Philippines	TC		2004	11	29	2004	11	30	1619	881023	78.2	0.03222%					
75	Philippines	TC		2004	11	23	2004	11	28	29	2014	0				5.11	21570	Luzon – Aurora province: Dingalan, San Luis, Ma, Aurora. Cagayan province: Tuguegarao, Enrile, Solana, Iguig and Sanchez Mira Nueva Ecija province: Gapan City and San Leonardo
76	Philippines	TC		2004	11	14	2004	11	21	104	838674	6	0.00247%			5.21	14670	Southern Tagalog and Bicol regions. Provinces: Albay, Catanduanes, Camarines Sur, Sorsogon, Masbate, Oriental Mindoro, Bicol.
77	Philippines	TC		2004	8	25	2004	8	26	35	1058849					6.07	38800	Philippines – Luzon – Provinces: Pampanga, Tarlac, Bataan, Bulacan, Pangasinan, Benguet, Rizal, La Union, Nueva Vizcaya, Nueva Ecija, Ifugao. Cities: Metro Manila area, San Mateo, Quezon City, Hermosa, Dinalupihan, Olongapo City, San Fernando, Paniqui, Urdaneta City, Candaba, Arayat, Santo Tomas, Calumpit, Camanava area. —Central and northern Taiwan – Counties: Hsinchu, Nantou, Taipei, Miaoli, Taichung. Cities: Sanchung, Hsinchuang, Keelung, Chunlan and Tufen areas, Jen-ai
78	Philippines	TC		2004	6	29	2004	7	13							6.28	84820	Philippines: Luzon – northern areas – Cagayan, Laoag, La Union, Ilocos, Cordillera. Central Mindanao. —Taiwan: counties: Nantou, Taichung, Chiayi, Taichung City, Pingtung —North Korea: Kangwon and South Hwanghae provinces.
79	Philippines	Cyclone		2004	6	25	2004	7	2	28	385012	19.667	0.00810%					
80	Philippines	Cyclone		2004	6	10	2004	6	10	7	4504							
81	Philippines	Cyclone		2004	5	13	2004	5	19	31	714	1	0.00041%					
82	Philippines	Cyclone		2003	8	30	2003	9	2	1	34289							
83	Philippines	Cyclone		2003	8	20	2003	8	24	1	1156	0.073	0.00003%					
84	Philippines	Cyclone		2003	8	4	2003	8	5		155147	0.861	0.00030%					
85	Philippines	Cyclone		2003	7	30	2003	7	31		3748	0.146	0.00007%					
86	Philippines	TC		2003	7	19	2003	7	23	21	14280	26.468	0.01188%			5.50	63740	Northern Luzon – Provinces: Cagayan, Isabela, Nueva Ecija, Tarlac, Quezon, La Union, Ilocos Norte. Towns and cities: Malabon, Tarlac, Cabanatuan, Guimba, Sto. Domingo, San Manuel, San Clemente, Camiling, La Paz —Mindanao – Provinces: Maguindanao, North Cotabato, Sultan Kudarat, Libungan
87	Philippines	Cyclone		2003	7	15	2003	7	19	8	116602	1.499	0.00067%					
88	Philippines	TC		2003	6	15	2003	6	18	13	127130	2.455	0.00110%			4.96	22830	Samar Island – Catbalogan Biliran Island – Barangay Aslum, Naval, Biliran city. Leyte – Sorsogon, Albay, Catanduanes and Camarines
89	Philippines	TC		2003	5	26	2003	5	30	51	13909	4	0.00180%			5.12	17430	Northern provinces on Luzon: Pangasinan, Bulacan, Benguet. Cities: Dagupan, Urdaneta, Calasiao, Manila, Quezon, Caloocan, Makati, Pasay, Meycauayan, Pandayan, Calasiao, Sta. Barbara, Taytay, Valenzuela
90	Philippines	TC		2002	8	11	2002	8	14	57	194472	3.34	0.00161%			4.77	11680	Luzon Island – Manila and Rizal Province. Negros Island – Negros Occidental

A3.5 Cyclone

No.	Country	Disaster Type	Cause/ Sub Type (name)	Disaster Start			Disaster End			Damage			Affected Area		Affected Area (km2)	Affected Region		
				Year	Mo nth	Day	Year	Mo nth	Day	Killed	Affected People	Amount (Million US\$)	Amount / GDP PPP (%)	Latitude			Logitude	Hazard Situation
91	Philippines	TC		2002	7	15	2002	7	23	14	19050	0.238	0.00011%			5.06	12840	Luzon - Provinces: Bulacan, Laguna, Pampanga, Pangasinan, Manila area. Mindanao - Maguindanao Province Negros Island, Visayas.
92	Philippines	TC		2002	7	13	2002	7	13	62	11000	5.664	0.00273%			5.46	20600	Luzon Island - Provinces: Pampanga, Nueva Ecija, Bulacana, Tarlac, Bataan, La Union, Batangas, Pangasinan. Towns: Baguio, Manila area, Quezon City.
93	Philippines	Cyclone		2002	7	7	2002	7	9	33	700041	1	0.00048%					
94	Philippines	Cyclone		2002	6	28	2002	7	3	7	3000							
95	Philippines	Cyclone		2002	3	20	2002	3	20	42	54631	3.292	0.00158%					
96	Philippines	TC		2001	12	5	2001	12	7	6	54840	0.096	0.00005%			3.92	2800	Visayas region - Cebu: Metro Cebu, Cebu city, Mandaue city, Naga town, Stio Sapa-Sapa, Leyte: Tacloban City, Abuyog, MacArthur, Palo, Burauen and Dagami. Capiz: Panit-an and Mambusao towns. Negros Occidental,0
97	Philippines	TC		2001	11	8	2001	11	8	290	1060147	22.7	0.01151%			3.56	610	Philippines: Camiguin Island - Mahinog, Catarman, Sagay, Mambajao. Cebu Island - Toledo and Cebu cities. Negros Island - Negros Occidental province. Panay Island - Capiz province Cagayan de Oro city on Mindanao Island. Central Vietnam: Phu Yen, Binh dinh, and Quang Ngai Provinces
98	Philippines	TC		2001	9	22	2001	9	27	4	37357	1.407	0.00071%			4.08	6000	Luzon Island - Cagayan province. Towns: Carasi, Salsona, Pasuquin, Laoag City.
99	Philippines	Cyclone		2001	8	17	2001	8	17		295355	0.293	0.00015%					
100	Philippines	TC		2001	7		2001	7		232	1902654	68.565	0.03475%			6.89	205200	Philippines - Luzon Island - Provinces: Pangasinan, La Union, Benguet, Mountain, Cordillera and Ilocos regions. Baguio city. Metro Manila ---China ---Guangdong Province - Counties: Suixi, Lianjiang, Leizhou and Potou. Cities: Shanwei, Shantou, Jieyang, Huizhou, Meizhou, Zhanjiang. ---Guangxi Province - Guigang, Pingnan, Teng and Wuzhou. Nanning. ---Yunnan Province - Wenshan Zhuang and Miao Autonomous Prefecture. Counties: Wenshan, Jinping. ---Hong Kong - New Territories
101	Philippines	TC		2001	2	17	2001	2	17	55	100084	6	0.00304%			4.38	5960	Mindanao Island - Provinces: Davao del Norte, Surigao del Sur and Agusan del Sur. Bit-os and Hinayhayon
102	Philippines	TC		2000	12	8	2000	12	11			0				3.94	2200	Northern Panay Island - Capiz province
103	Philippines	TC		2000	11	30	2000	12	3	48	164093	1	0.00053%			4.76	14310	Wide areas of Mindanao and the central Philippines - Visayas/Islands.
104	Philippines	TC		2000	11	3	2000	11	5	94	1747872	31	0.01653%			4.26	6000	Luzon Island - Provinces: Rizal, Laguna, Cagayan and Nueva Vizcaya. Manila area, suburban Taguig
105	Philippines	TC		2000	10	28	2000	10	31	154	2436256	17	0.00907%			4.45	7000	Philippines - Southeastern Luzon: Provinces: Cavite, Sorsogon, Catanduanes, Samar, Albay, Manila and nearby areas
106	Philippines	Cyclone		2000	7	7	2000	7	7	75	1483321	25.763	0.01374%			5.02	11600	Philippines - Luzon Island, western regions of Luzon and central Visayas. Provinces: Pampanga, Bulacan and Bataan. Towns: Manila, Subic Bay Freeport Zone, Baguio, Malolos, Tullahan River. ---Japan: coastal areas near Tokyo. Izu island chain, Honshu Island. ---Taiwan: eastern coast
107	Philippines	Cyclone		2000	7	5	2000	7	5	11	120000	7.5	0.00400%					
108	Philippines	Cyclone		2000	5	18	2000	5	18	12	235889	1.201	0.00064%			4.97	11740	Island of Luzon - Manila and north; Towns: Valenzuela, 21 towns in the provinces of Bataan, Bulacan, Nueva Ecija and Pampanga north of Manila: Rivers: Tullahan,
109	Philippines	Cyclone		1999	10	5	1999	10	5	7	41933	1.8	0.00102%					
110	Philippines	Cyclone		1998	12	11	1998	12	11	69	326520	27.399	0.01630%					
111	Philippines	Cyclone		1998	10	21	1998	10	21	332	71							
112	Philippines	Cyclone		1998	10	13	1998	10	18	75	1344619	50	0.02975%					
113	Philippines	Cyclone		1998	9	18	1998	9	18	118	1749436	87.038	0.05179%					
114	Philippines	Cyclone		1997	10	20	1997	10	20	1	4000							
115	Philippines	Cyclone		1997	8	18	1997	8	19	18	53659	5	0.00299%			5.24	19170	Luzon Provinces - Pampanga, Bataan, Zambales, Bulacan, Tarlac, Nueva Ecija
116	Philippines	Cyclone		1997	5	24	1997	5	26	30	309111	2.3	0.00138%			4.51	10760	Luzon - Manila, Zambales, Rizal, Bulcan, Pampanga.
117	Philippines	Cyclone		1996	11	6	1996	11	6	12	800	4.15	0.00266%					
118	Philippines	Cyclone		1996	7	15	1996	7	15	26	36828	38	0.02434%					
119	Philippines	Cyclone		1995	12	25	1995	12	25	11	229193							
120	Philippines	Cyclone		1995	11	3	1995	11	3	882	1599588	244	0.16855%					
121	Philippines	Cyclone		1995	10	28	1995	11	1	146	348053	30	0.02072%			6.28	209700	Luzon (Quezon), Negros, Panay, Cebu
122	Philippines	Cyclone		1995	10	9	1995	10	26	184	864437	38.1	0.02632%			5.12	7280	Pampanga Province
123	Philippines	TC		1995	9	30	1995	10	3			33	0.02280%			5.88	189600	Luzon: Pampanga, Palayan City, Manila, Batangas Panay: Iloilo Leyte Samar Negros: Bukidnon
124	Philippines	Cyclone		1995	9	4	1995	9	4	20	19655	0.394	0.00027%					
125	Philippines	Cyclone		1995	8	28	1995	8	28	6	188386							
126	Philippines	TC		1995	7	29	1995	7	31	7	20000	5	0.00345%			4.44	9190	Luzon Provinces: Pampanga, Zambales, Tarlac
127	Philippines	TC		1994	12	19	1994	12	23	49	867923	26.813	0.01979%			5.41	51070	Leyte: Negros (Bacolod), Samar, Cebu, Panay Leyte: Tacloban City, Masain Mindanao: Surigao del Sur - Tandag, Tago
128	Philippines	Cyclone		1994	10	18	1994	10	22	32	258751	67.4	0.04975%			4.83	13650	
129	Philippines	Cyclone		1994	9	10	1994	9	10	7	54674	3.9	0.00288%					
130	Philippines	TC		1994	8	6	1994	8	10			0				4.96	18140	Batanes Islands Northern Luzon Provinces - Cagayan, Isabela, Aurora
131	Philippines	Cyclone		1994	8	2	1994	8	2	11	14000							
132	Philippines	TC		1994	7	23	1994	8	3							5.42	22000	Northern Luzon Provinces, Mt. Pinatubo, Manila
133	Philippines	Cyclone		1994	7	19	1994	7	19	11	420728	37.6	0.02775%					
134	Philippines	Cyclone		1994	7	15	1994	7	15	39		1.7	0.00125%					
135	Philippines	TC		1994	7	15	1994	7	20			0				4.87	12360	Luzon Provinces: Pampanga, Bataan, Zambales, Bulacan.
136	Philippines	Cyclone		1994	7	7	1994	7	7	3	5300							
137	Philippines	TC		1994	7	1	1994	7	16	17	166585	1	0.00074%			5.41	37090	Northern Luzon Provinces: Cagayan, La Union, Pangasinan, Dagupan City
138	Philippines	Cyclone		1994	6	23	1994	6	23	2	23952							
139	Philippines	Cyclone		1994	4	9	1994	4	9	15	105746							
140	Philippines	TC		1994	1	6	1994	1	6	62	73558	2.4	0.00177%			5.34	44230	Southern Luzon: Sorsogon Province - Manito Visayas Northern Mindanao
141	Philippines	TC		1993	12	27	1993	12	28			7.4	0.00582%			3.40	1260	Mindanao Island - Surigao del Norte province and Butuan City
142	Philippines	Cyclone		1993	12	26	1993	12	26	52	366224	17	0.01338%					
143	Philippines	Cyclone		1993	12	6	1993	12	6	311	1159802	50	0.03934%			5.63	46900	Philippines (Lola followed by Manny) - Southeastern Luzon Island - Camarines Sur province. Naga city, Naga River. Catanduanes Island. Marinduque Island. Mindoro Island. Samar Island. - Southern Vietnam (Lola) - Khanh Hoa and Ninh Thuan provinces. - Southern Thailand (Manny) - Phattalung Province: Nakhon Si Thammarat
144	Philippines	Cyclone		1993	11	20	1993	11	23	1		2	0.00157%					
145	Philippines	Cyclone		1993	10	4	1993	10	4	124	1941566	188	0.14791%					
146	Philippines	Cyclone		1993	6	26	1993	6	26	2	43735	0.442	0.00035%					
147	Philippines	Cyclone		1993	2		1993	2		28	70000	40	0.03147%					
148	Philippines	TC		1992	10	28	1992	10	30			0				5.23	56290	Philippines: Luzon - Mount Pinatubo, Manila. Quezon city Vietnam - central coast
149	Philippines	Cyclone		1992	8	31	1992	8	31	11	176569							
150	Philippines	Cyclone		1992	8	16	1992	8	16	26	733096	56	0.04599%			6.70	70410	Luzon - Pangasinan, Cagayan, Isabela, Nueva Vizcaya, Benguet, La Union
151	Philippines	TC		1992	7	21	1992	7	29			3.6	0.00296%			4.68	5260	Luzon - Nueva Ecija Province
152	Philippines	Cyclone		1992	7	20	1992	7	20	42	134494							
153	Philippines	Cyclone		1992	7	11	1992	7	12	22	5135							
154	Philippines	Cyclone		1991	11	5	1991	11	8	956	647254	100	0.08435%			5.09	20700	Leyte



A3.5 Cyclone

No.	Country	Disaster Type	Cause/ Sub Type (name)	Disaster Start			Disaster End			Damage			Affected Area		Hazard Situation	Affected Area (km2)	Affected Region
				Year	Mo nth	Day	Year	Mo nth	Day	Killed	Affected People	Amount (Million US\$)	Amount / GDP PPP (%)	Latitude			
155	Philippines	TC		1991	10	28	1991	10	29						5.04	54780	Luzon Provinces – Ilocos Norte, Ilocos Sur, La Union, Pangasinan, Cagayan, Isabela, Quirino, Benguet, Abra, Kalinga-Apavao
156	Philippines	Cyclone		1991	10	27	1991	10	27	65	316038	90	0.07591%				
157	Philippines	Cyclone		1991	7	26	1991	7	26	9	90296						
158	Philippines	Cyclone		1991	7	22	1991	7	22	2	10000	0			4.86	12140	Central Luzon Provinces – Tarlac, Zambales, Pampanga, Bataan, Manila
159	Philippines	Cyclone		1991	7	18	1991	7	18	4	2500						
160	Philippines	Cyclone		1991	7	10	1991	7	10	47	505777	83	0.07001%		4.36	5760	Central Luzon
161	Philippines	Cyclone		1990	11	12	1990	11	16	503	6159569	388.5	0.33735%		5.44	55710	Leyte, Panay, Negros, Cebu, Palawan Islands
162	Philippines	Cyclone		1990	9	8	1990	9	8			0			5.59	96170	North/Central Luzon
163	Philippines	Cyclone		1990	8	30	1990	8	30	85							
164	Philippines	Cyclone		1990	8	28	1990	8	28	85		0			5.75	69900	Luzon – Manila, Benguet, Nueva Viscaya, Nueva Ecija, Bulaca, Pampanga
165	Philippines	Cyclone		1990	6	22	1990	6	22	64	160014	3.6	0.00313%		5.63	71150	Philippines: Luzon – La Union Province Southern Taiwan
166	Philippines	Cyclone		1989	11	22	1989	11	22	11	13050	0.325	0.00030%				
167	Philippines	TC		1989	11	3	1989	11	8			0			4.85	11860	Southern Philippines
168	Philippines	Cyclone		1989	10	14	1989	10	14	30	458679	35.4	0.03289%				
169	Philippines	Cyclone		1989	10	9	1989	10	9	58	736605	59.2	0.05501%		4.42	5320	Northern Luzon Coast – Gonzaga, Santa Ana
170	Philippines	Cyclone		1989	10	2	1989	10	2	147	289191	8	0.00743%				
171	Philippines	TC		1989	9	10	1989	9	12			1.42	0.00132%		5.04	36940	Northern Luzon – Cagayan, Ilocos Sur, Ilocos Norte, Abra, Pangasinan, Cordilleras, Benguet, Kalinga-Apavao, La Union, Zambales
172	Philippines	Cyclone		1989	9	7	1989	9	7	22	140021	4.3	0.00400%				
173	Philippines	TC		1989	7	16	1989	7	20						5.37	46660	Luzon – Ilocos Sur, Ilocos Norte, Cagayan, Isabela, Nueva Viscaya, La Union, Abra, Mountain Province, Baguio
174	Philippines	Cyclone		1989	7	15	1989	7	15	97	486382	61	0.05668%				
175	Philippines	Cyclone		1989	5	15	1989	5	15	13	12937	2.86	0.00266%				
176	Philippines	TC		1988	11	5	1988	11	5	289	1045029	149.06	0.15266%		4.72	10600	Luzon Island – Bicol Peninsula. Camarines Sur province. Pasacao, Pasig in Metro Manila area. Panay Island – Capiz and Aklan provinces – Palawan Island – Rizal. — Flooding also reported on Cebu, Leyte, Visayas and
177	Philippines	Cyclone		1988	11	1	1988	11	1	41	28913	0.94	0.00096%				
178	Philippines	Cyclone		1988	10	21	1988	10	21	416	3250208	240.5	0.24631%				
179	Philippines	LS		1988	10	21	1988	10	21		20000						
180	Philippines	Cyclone		1988	7	16	1988	7	16	6	117355	11.516	0.01179%				
181	Philippines	TC		1988	6	1	1988	6	6			0			4.30	3300	Luzon Island – Rizal Province. Metro Manila area.
182	Philippines	Cyclone		1988	5	3	1988	5	30	36	56000	1	0.00102%				
183	Philippines	Cyclone		1987	12	14	1987	12	14	22	56380	8.5	0.00961%				
184	Philippines	Cyclone		1987	11	23	1987	11	23	882	1819112	56	0.06333%				
185	Philippines	Cyclone		1987	10	21	1987	10	21	100	78979	25	0.02827%				
186	Philippines	Cyclone		1987	8	13	1987	8	13	5	13336	5.6	0.00633%				
187	Philippines	Cyclone		1987	8	8	1987	8	8	85	1269825	98.6	0.11150%				
188	Philippines	Cyclone		1986	12	20	1986	12	20	16	26722	4	0.00486%				
189	Philippines	Cyclone		1986	10	17	1986	10	17	2	308	36	0.04370%				
190	Philippines	Cyclone		1986	10	10	1986	10	10	4	3134	1.4	0.00170%				
191	Philippines	Cyclone		1986	10	6	1986	10	6	22	82555	1.2	0.00146%				
192	Philippines	Cyclone		1986	9	2	1986	9	2	23	482704	13.15	0.01596%				
193	Philippines	Cyclone		1986	7	9	1986	7	9	109	647313	30.71	0.03728%		5.37	46630	Philippines – Luzon Isla. Provinces: Nueva Ecija, La Union, Cagayan, Tarlac, Pangasinan. low-lying areas in Manila, Baguio. China – Guangdong Province, Jiexi a Puning counties. Lufeng town
194	Philippines	TC		1985	10	19	1985	10	20			0			5.25	89520	Isla of Luzon
195	Philippines	Cyclone		1985	10	15	1985	10	15	81	1183626	62.373	0.08003%				
196	Philippines	Cyclone		1985	9	1	1985	9	1	5	148	0.66	0.00085%				
197	Philippines	Cyclone		1985	6	20	1985	6	20	100	420200	30	0.03849%				
198	Philippines	Cyclone		1984	11	3	1984	11	3	1079	2261900	96.6	0.11837%				
199	Philippines	Cyclone		1984	10	23	1984	10	23	63	2694	0.19	0.00023%				
200	Philippines	Cyclone		1984	9	1	1984	9	1	1399	1786865	216.7	0.28553%				
201	Philippines	Cyclone		1984	8	27	1984	8	27	138	483747	23	0.02818%				
202	Philippines	Cyclone		1983	11	17	1983	11	17	8	18854	2.25	0.00265%				
203	Philippines	LS		1983	9	16	1983	9	16	2	100						
204	Philippines	Cyclone		1983	9	3	1983	9	3	3	1684	0.43	0.00051%				
205	Philippines	Cyclone		1983	7	14	1983	7	14	115	149892	1.64	0.00193%				
206	Philippines	Cyclone		1982	12	2	1982	12	2		85	0.0005	0.00001%				
207	Philippines	Cyclone		1982	10	12	1982	10	12	96	64179	32	0.03993%				
208	Philippines	Cyclone		1982	9	5	1982	9	5	65	50008						
209	Philippines	Cyclone		1982	8	25	1982	8	25	70	25967	6.5	0.00811%				
210	Philippines	Cyclone		1982	8	20	1982	8	20	29	36927	4.2	0.00524%				
211	Philippines	Cyclone		1982	7	12	1982	7	12	10	12319	4.5	0.00562%				
212	Philippines	Cyclone		1982	3	23	1982	3	23	151	789031	69	0.08610%				
213	Philippines	Cyclone		1982	3	22	1982	3	22	117	16000						
214	Philippines	Cyclone		1982	3	18	1982	3	18	25	25099	2.4	0.00299%				
215	Philippines	Cyclone		1981	12	25	1981	12	25	250	180000	26	0.03567%				
216	Philippines	Cyclone		1981	11	25	1981	11	25	261	840173	35	0.04801%				
217	Philippines	Cyclone		1981	11	17	1981	11	17	4	5736	0.167	0.00023%				
218	Philippines	Cyclone		1981	9	20	1981	9	20	55	21905	6.7	0.00919%				
219	Philippines	Cyclone		1981	8	16	1981	8	16	5	9721	12.908	0.01771%				
220	Philippines	LS		1981	7	4	1981	7	4		28500						
221	Philippines	LS		1981	7	4	1981	7	4	214	32	2	0.00274%				
222	Philippines	Cyclone		1981	6	28	1981	6	28	210	15478	7.609	0.01044%				
223	Philippines	Cyclone		1980	11	6	1980	11	6	101	1004000	102.3	0.15875%				
224	Philippines	Cyclone		1980	7	25	1980	7	25	40	190000						
225	Philippines	Cyclone		1980	7	21	1980	7	21	31	600000	15.4	0.02390%				
226	Philippines	Cyclone		1980	7	19	1980	7	19	36	69237						
227	Philippines	Cyclone		1980	5	7	1980	5	7		3063	0.289	0.00045%				
228	Philippines	Cyclone		1980	3	20	1980	3	20	4	665	0.402	0.00062%				

1	Thailand	TC	Juanning (Nock-ten)	2011	8	4	2011	8	6	18	1000000						Phrae, Chian Mai, Suktho ...	
2	Thailand	TC	Kammuri (Julian)	2008	8	11	2008	8	20			6.65	0.00121%	103.66	17.31	6.64	219500	Also Burma. Widespread flooding along Mekong floodplain. Vietiane
3	Thailand	TC	Nargis	2008	5	2	2008	5	3		1000						Tak province	
4	Thailand	TC	Damrey	2005	9	26	2005	9	30	10	2000	20	0.00449%				Lampang, Chiang Mai, Chia ...	
5	Thailand	Storm		2005	5	21	2005	5	21		1500	0.246	0.00006%				Lampang,	

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No.	Country	Disaster Type	Cause/ Sub Type (name)	Disaster Start			Disaster End			Damage			Affected Area		Hazard Situation	Affected Area (km2)	Affected Region	
				Year	Mo nth	Day	Year	Mo nth	Day	Killed	Affected People	Amount (Million US\$)	Amount /GDP PPP (%)	Latitude				Logitude
27	Thailand	Storm		1992	5	19	1992	5	19									
28	Thailand	TC		1991	8	18	1991	8	21			0			5.29	48320	Provinces - Skahon Nakhon, Nakhon Panom, Mukdahan, Nong Khai, Udorn Thani	
29	Thailand	TC		1991	8	17	1991	8	17	38	1894238	8.323	0.00454%				North and Northeast	
30	Thailand	TC	Ira	1990	10	8	1990	10	26	36			50	0.03051%	5.87	124800	Central and northeastern ...	
31	Thailand	TC	Gay	1989	11	3	1989	11	5	458	199000	452	0.31980%		5.55	44230	Chumphon, Nakhon Si Tham ...	
32	Thailand	Storm		1981	12	0	1981	12	0	55			13	0.02214%			South	
33	Thailand	TC	Kelly	1981	7	6	1981	7	6		43000						Nan province	
34	Thailand	Storm		1978	5	0	1978	5	0	50								
35	Thailand	TC	Harriet	1962	10	27	1962	10	27	769			19					
1	Viet Nam	Typhoon	Son Tinh (Ofel)	2012	10	28	2012	10	28	11	90						Nghe An, Thanh Hoa, Ninh ...	
2	Viet Nam	Typhoon	Kai-Tak	2012	8	17	2012	8	17	17	60479						Yen Bai, Vinh Phuc, Quang ...	
3	Viet Nam	Typhoon	Vicente	2012	7	0	2012	7	0	10	3							
4	Viet Nam	LS		2011	6	22	2011	6	26	16	63						North	
5	Viet Nam	TC	Haima (Egay)	2011	6	19	2011	6	24									
6	Viet Nam	Typhoon	Mindulle	2010	8	24	2010	8	25	14	20700	44	0.01586%				Nghe An, Thanh Hoa, Ha Tin ...	
7	Viet Nam	Typhoon	Chanthu	2010	7	23	2010	7	25	10	12400	0		105.95	22.11	5.31	68320	Northern Viet Nam, Ha Giang province, Lao Cai province
8	Viet Nam	Typhoon	Omson (Basyang)	2010	7	17	2010	7	17	11	1500	0.5	0.00018%				Thanh Hoa, Quang Ngai, Qu ...	
9	Viet Nam	TC	Mirinae (Santi)	2009	11	2	2009	11	2	124	500145	280	0.10923%				Binh Dinh, Phu Yen, Khabh ...	
10	Viet Nam	TS		2009	10	23	2009	10	26					107.39	15.57	5.05	28280	Central Viet Nam
11	Viet Nam	Typhoon	Pepeng (Parma)	2009	10	14	2009	10	14			0.2	0.00008%					
12	Viet Nam	TC	Onoy (Ketsana)	2009	9	28	2009	9	29	182	2477315	785	0.30623%	107.98	14.90	5.59	49030	Binh Dinh, Da Nang, Dak L ...
13	Viet Nam	TC	Noul	2008	11	17	2008	11	20	17	8828	1	0.00041%	107.71	15.70	5.16	36160	Phu Yen, Khanh Hoa, Binh ...
14	Viet Nam	TC	Maysak (Quinta)	2008	11	5	2008	11	5	11							Ho Chi Minh city	
15	Viet Nam	Typhoon	Mekkhala	2008	9	30	2008	9	30	18	31680	6.5	0.00269%	104.59	21.90	5.77	58980	Quang Binh, Ha Tinh
16	Viet Nam	Typhoon	Hagupit	2008	9	25	2008	9	28	46	58511	63	0.02611%	104.59	21.90	5.77	58980	Lang Son, Son La, Bac Gia ...
17	Viet Nam	TC	Kammuri (Julian)	2008	8	8	2008	8	11	162	57630	120	0.04973%	105.21	22.05	5.48	50404	Lao Cai, Yen Bai, Phu To, ...
18	Viet Nam	TC		2007	11	10	2007	11	21			350	0.15763%	108.44	15.30	5.65	36820	Khanh Hoa, Quang Ngai (Son Tay), Binh Dinh (Tuy Phuoc), Quang Nam (Dien Ban, Duy Xuyen, Hoi An, Dai Loc, Phuoc Son, Tay Giang, Dong Giang), Thua Thien-Hue (Nam Dong, Quang Dien, Phu Vang, Huong Thuy), Ninh Thuan, Quang Tri (Hai Lang, Trieu Phong), Da Nang
19	Viet Nam	TC	Lekima	2007	9	29	2007	10	12	96	685430	191	0.08602%	106.90	17.07	5.87	35430	Quang Binh, Ha Tinh, Quan ...
20	Viet Nam	TC		2007	8	3	2007	8	17			57	0.02567%	108.20	12.34	6.34	98230	provinces: Dak Lak (Cu M ga and Krong Nang), Lam Dong, Ha Tinh (Huong Khe, Vu Quang), Nghe An, Gia Lai, Phu Yen, Dak Nong and Quang Binh (Chau Hoa, Van Hoa)
21	Viet Nam	Storm	Durian (Reming)	2006	11	30	2006	12	8	95	1226360	456	0.22920%				Ba Ria-Vung Tau , Ben Tre ...	
22	Viet Nam	LS		2006	11	20	2006	11	20	13		10	0.00503%				Quan Ninh province	
23	Viet Nam	Storm	Xangsane (Milenyo)	2006	9	27	2006	10	6	71	1467925	624	0.31364%				Ha Tinh, Thua Thien-Hue, ...	
24	Viet Nam	Storm	Bilis	2006	7	11	2006	7	19	17	2000						Bac Can, Lang Son, Vinh P ...	
25	Viet Nam	Storm	Chancho (Caloy)	2006	5	17	2006	5	17	204	600000							
26	Viet Nam	Storm		2006	4	7	2006	4	7	1	1005						Yen Chau district (Son La ...	
27	Viet Nam	TC	Kai Tak	2005	11	2	2005	11	4	20	15000	11	0.00618%			4.70	16660	Quang Nam, Quang Ngai (So ...
28	Viet Nam	TC	Damrey	2005	9	27	2005	9	30	75	337660	219.25	0.12312%			6.91	492000	Yen Bai, Tram Tau, Nghia ...
29	Viet Nam	TC	Vicente	2005	9	18	2005	9	19	8	8500	20	0.01123%			4.88	10780	Thanh Hoa, Nghe An, Ha Ti ...
30	Viet Nam	Storm		2005	8	13	2005	8	16	13	6500						Nghe An province	
31	Viet Nam	TC	Mufia (Uding/29W)	2004	11	26	2004	11	26	56	500000	23	0.01438%				Hue, Quang Ngai, Quang Na ...	
32	Viet Nam	TC	Chanthu (Gener/08W)	2004	6	7	2004	6	11	14	905	7	0.00438%				Bin Dinh, Danang, Quang N ...	
33	Viet Nam	TC	Koni	2003	7	23	2003	7	23		5018		0.00000%				North	
34	Viet Nam	LS		2002	10	0	2002	10	0		1800	0.1	0.00008%				Lang An province	
35	Viet Nam	TC	Lingling (Nanang)	2001	11	12	2001	11	12	20	73183	55	0.04551%				Phu Yen, Binh Dinh, Quang ...	
36	Viet Nam	TC	Usagi	2001	8	11	2001	8	11	3	10003	3.2	0.00265%				Ha Tinh, Nghe An, Quang B ...	
37	Viet Nam	TC	Durian	2001	7	4	2001	7	4	30	117453	25	0.02069%			4.89	12940	Thai Nguyen, Tuyen Quang, ...
38	Viet Nam	TC	Wukong	2000	9	10	2000	9	10	5	6029	21	0.01900%				Thach Ha, Cam Xuyen, Ky A ...	
39	Viet Nam	Storm	LS	2000	8	24	2000	8	24		134						Khanh Binh Tay commune (T ...	
40	Viet Nam	Storm		2000	8	24	2000	8	24		503	0.035	0.00003%				Rach Gia (Kien Giang prov ...	
41	Viet Nam	Storm		2000	8	24	2000	8	24		5730						Mv tho, Go Gong (Tien Gan ...	
42	Viet Nam	TC	Kaemi	2000	8	20	2000	8	20	15	4	5	0.00452%				Quang Binh, Quang tri, Th ...	
43	Viet Nam	Storm		2000	7	10	2000	7	10		2005						Can Tho province	
44	Viet Nam	Storm		2000	6	12	2000	6	12	3	129						Binh Hoa, Giao Ha commune ...	
45	Viet Nam	TC		1999	10	25	1999	11	9			265	0.26152%			6.87	232600	Vietnam: central coastal areas: Thua Thien Hue, Quang Binh, Quang Tri, Quang Ngai, Da Nang, Quang Nam, Sing Dinh provinces Thailand: Provinces - Prachuap Khiri Khan, Phetchaburi, Ratchaburi, Kanchanaburi, Lop Buri, Phichit, Nakhon Sawan, Satun, Phuket Southern Cambodia: Provinces - Takeo, Kandal, Kampong Speu, Phnom Penh Municipality, Pursat, Phnom Penh district of Dang Kor Malaysia: Kedah, Pulau Pinang, Perak Baie d'Halong - Quang N
46	Viet Nam	LS		1999	6	6	1999	6	6	10								Khanh Hoa, Phu Yen, Quang
47	Viet Nam	TC	Faith & Gil	1998	12	16	1998	12	16	43	84645	15	0.01574%				Quang Nam-Da Nang Province	
48	Viet Nam	TC		1998	11	19	1998	11	24			22	0.02308%			4.81	10720	
49	Viet Nam	TC	Chip, Elvis, Dawn	1998	11	13	1998	11	29	263	2440092	93.2	0.09779%			3.98	9570	Quang Binh, Khanh Hoa, Qu ...
50	Viet Nam	LS		1998	5	8	1998	5	8	42	500						Thanh Hoa province	
51	Viet Nam	TC	Linda	1997	11	2	1997	11	4	3682	1081127	470	0.52744%			5.75	34010	Ca Mau, Soc Trang, Ben Tr ...
52	Viet Nam	TC	Fritz	1997	9	20	1997	9	29	10	50	5	0.00561%			5.20	15920	Danang, Quang Ngai, Quang ...
53	Viet Nam	TC	Zita	1997	8	22	1997	8	27			5	0.00561%					
54	Viet Nam	TC	Willie	1996	9	21	1996	9	22	9	280000	11	0.01359%				Nghe An, Ha Tinh province ...	
55	Viet Nam	TC	Sally	1996	9	9	1996	9	10	1		0.02	0.00002%					
56	Viet Nam	TC		1996	8	14	1996	8	26	194		227	0.28037%				Thanh Hoa, Golfe du Tonki ...	
57	Viet Nam	TC	Frankie	1996	7	24	1996	7	24	585	387091	362	0.44712%				Thai Binh, Nam Ha, Ninh B ...	
58	Viet Nam	TC		1995	10	8	1995	11	15			90	0.12386%			6.02	26970	Provinces: Quang Ngai, Binh Dinh, Quang Nam-Danang, Quang Tri, Quang Binh
59	Viet Nam	TC	Zack	1995	11	1	1995	11	1	16	23051	21.2	0.02918%				Quang Ngai, Binh Dinh, Qu ...	
60	Viet Nam	TC	Luke	1994	9	17	1994	9	17	30	11000	45	0.06925%				Thanh Hoa, Ninh Binh, Nam ...	
61	Viet Nam	TC	Lola	1993	12	8	1993	12	8	73	25235	50	0.08551%				Ninh Hai, Cam Ranh distri ...	
62	Viet Nam	TC	Kyle	1993	11	23	1993	11	23	130	11506	15	0.02565%				Phu Yen, Khanh Hoa, Binh ...	
63	Viet Nam	LS		1993	3	16	1993	3	16	3	2016						Tuyen Quang province	
64	Viet Nam	TC		1992	10	28	1992	10	31			0				5.44	69560	Vietnam: Quang Binh, Quang Tri, 8 coastal provinces Thailand: Provinces - Surat Thani, Chumphon, Nakhon Si Thammarat
65	Viet Nam	TC	Angela	1992	10	23	1992	10	23	17	32172	18	0.03400%				Between Thua Thien Hue an ...	
66	Viet Nam	TC	Chuck	1992	6	29	1992	6	29	14	47186	0.4	0.00076%				Haiphong, Quang Ninh prov	
67	Viet Nam	TC		1992	6	20	1992	6	24							4.73	10790	Provinces - Haihong, Quang Ninh, Thai Binh, Nam Ha
68	Viet Nam	Storm		1991	12	28	1991	12	28	251	10200	1	0.00210%				Quang Ngai, Quang Nam-Da ...	
69	Viet Nam	TC	Fred	1991	8	17	1991	8	17	17	455921	9.5	0.01997%			5.32	42120	Quang Bin, Ha Tinh, Than ...
70	Viet Nam	TC	Zeke	1991	7	13	1991	7	13	21	776						Quang Ninh Hai Phong	
71	Viet Nam	Storm		1991	3	15	1991	3	15	8	10708						Khanh Hoa	
72	Viet Nam	TC		1990	11	15	1990	11	15	68							Nghe Tinh	
73	Viet Nam	TC		1990	10	23	1990	10	23	15	2000					6.15	82530	Central Eastern Coast
74	Viet Nam	Typhoon		1990	9	22	1990	9	26			0				5.01	20590	Provinces - Quang Nam-Danang, Quang Tri
75	Viet Nam	TC	Becky	1990	8	0	1990	8	0	19	500108						Ky Anh, Quang Trach, Quan ...	
76	Viet Nam	TC	Brian, Angela, Dan	1989	10	0	1989	10	0	104	4635762						Nghe Tinh, Binh Tri Thien ...	
77	Viet Nam	Typhoon		1989	7	25	1989	7	31							4.88	10730	Vietnam - Thanh Hoa
78	Viet Nam	TC	Irving	1989	7	24	1989	7	24	104	1445491							



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No.	Country	Disaster Type	Cause/ Sub Type (name)	Disaster Start			Disaster End			Damage			Affected Area		Hazard Situation	Affected Area (km2)	Affected Region
				Year	Month	Day	Year	Month	Day	Killed	Affected People	Amount (Million US\$)	Amount /GDP PPP (%)	Latitude			
80	Viet Nam	TC		1988	11	6	1988	11	6	20	720000						Dong Nai, Phu Khanh, Thua ...
81	Viet Nam	TC		1988	10	10	1988	10	10	137	600000						Nghê Tinh
82	Viet Nam	Storm		1987	12	0	1987	12	0	22							
83	Viet Nam	TC	Maury	1987	11	18	1987	11	18	101	937011						Nghia Binh, Phu Khanh Pro ...
84	Viet Nam	TC	Wayne	1986	9	6	1986	9	6	435	2502502						Ha Nam Ninh, Thai Binh, H ...
85	Viet Nam	TC	Cecil	1985	10	23	1985	10	23	798	450257						Binh Tri Thien, Nghê Tinh ...
86	Viet Nam	TC	Agnes	1984	11	0	1984	11	0	134	650705						Nghê Tinh, Nghia Binh, ...
87	Viet Nam	TC		1984	4	15	1984	4	15	21	1094						100 km East from Hanoi
88	Viet Nam	TC	Georgia	1983	10	5	1983	10	5	80	336544						Ha Nam Ninh, Ha Son Binh, ...
89	Viet Nam	TC	Herbert, Kim, Lex	1983	9	0	1983	9	0	578	845324						
90	Viet Nam	LS		1983	5	0	1983	5	0	76							Central
91	Viet Nam	TC	Nancy	1982	10	18	1982	10	18	70	1300290						Nghê Tinh, Thanh Hoa Prov ...
92	Viet Nam	TC	Ruth	1980	9	15	1980	9	15	176	9027174						Thanh Hoa, Nghê Tinh, Ha ...
93	Viet Nam	TC	Joe	1980	7	23	1980	7	23	132	6624710						Ha Bac, Hai Phong, Hai Hu ...
94	Viet Nam	TC	Sarah	1977	7	22	1977	7	22		1000						Haiphong
95	Viet Nam	TC		1973	11	10	1973	11	10	100	150000						Binh Dinh
96	Viet Nam	TC		1971	10	23	1971	10	23	89							North
97	Viet Nam	TC	Wanda	1971	5	1	1971	5	1	23	50000						Quang Ngai province
98	Viet Nam	TC	Iris	1964	9	0	1964	11	0	7000	700000	50					China sea coast
99	Viet Nam	TC		1956	11	0	1956	11	0	56							
100	Viet Nam	TC		1953	9	26	1953	9	26	1000							Southern coast

## A3.6 Landslide

No	Country	Disaster Sub Type	Cause	Disaster Start			Disaster End			Damage			Affected Region	Reference	Location				
				Year	Mo nth	Day	Year	Mon th	Day	Killed	Affected People	Amount (Millio n US\$)			Amount/ GDP PPP%	North	East		
1	Brunei	landslide	Rain	2008	1	3	2008	1	3					PRCC	4.6401	114.4396			
2	Brunei	landslide	Rain	2007	1	8	2007	1	8					PRCC	4.9833	114.9170			
3	Brunei	landslide	Rain	2007	2	11	2007	2	11					PRCC	4.4999	114.6667			
1	Indonesia	Landslide		1987	5	4	1987	5	4	131		701	1	0.00049%	Padang Panjang (West Suma	EM-DAT	-0.4500	100.4162	
2	Indonesia	Landslide	heavy rain	2011	11	30	2011	11	30	34					Majo Kampung Barije distr ...	EM-DAT			
3	Indonesia	Landslide		2011	5	6	2011	5	6	19					Garut district (Java Isla ...	EM-DAT	7.2500	107.9095	
4	Indonesia	Landslide		2010	10	12	2010	10	12	13		18			Sulawesi Isl.	EM-DAT	-0.0005	120.5318	
5	Indonesia	Landslide		2009	11	8	2009	11	8	14					Sulawesi (Celebes)	EM-DAT	-0.1513	120.5277	
6	Indonesia	Landslide		2009	1	18	2009	1	18	15		5			Buwung Mas Sakotong villa ...	EM-DAT	-7.3347	115.2426	
7	Indonesia	Landslide		2008	5	5	2008	5	5	21					Papua	EM-DAT	-3.4684	139.3263	
8	Indonesia	Landslide		2007	1	12	2007	1	14	32		3990			Tahuna (Sangihe Isl., Nor ...	EM-DAT	3.6155	125.4717	
9	Indonesia	Landslide		2007	1	9	2007	1	9	11					Jorong Sungai Sariak (Pad ...	EM-DAT			
10	Indonesia	Landslide		2006	12	15	2006	12	15	17					Air Dingsin village, Lemba ...	EM-DAT	-2.0176	103.4713	
11	Indonesia	Landslide		2006	1	22	2006	1	27	11		3000	10.943	0.00142%	Bali, Lombok	EM-DAT	-7.5557	115.1891	
12	Indonesia	Landslide		2006	1	1	2006	1	4	156		8313	27	0.00352%	Sijeruk (Banjarnegara dis ...	EM-DAT	-6.6806	109.7107	
13	Indonesia	Landslide		2005	9	2	2005	9	2	25		10			Bukit Gaung (Padang, West ...	EM-DAT			
14	Indonesia	Landslide		2005	2	21	2005	2	21	143			5	0.00071%	Bandung	EM-DAT	-5.0821	107.6095	
15	Indonesia	Landslide		2004	4	23	2004	4	23	44		11			Pasaman region (Sumatra I ...	EM-DAT			
16	Indonesia	Landslide		2004	4	22	2004	4	22	13		7			Kidang Pananjung, near Ba ...	EM-DAT			
17	Indonesia	Landslide		2004	3	27	2004	3	27	33		5000			Manimbahoi sub-district, ...	EM-DAT			
18	Indonesia	Landslide		2004	1	23	2004	1	30	29			3.5	0.00054%	Central Java province	EM-DAT	-6.8459	110.1404	
19	Indonesia	Landslide		2003	3	31	2003	4	2	76		229548	3.961	0.00066%	Ende, Sikka, East Flores ...	EM-DAT	-5.5123	106.8811	
20	Indonesia	Landslide		2003	3	18	2003	3	18	12					Makale, Sa'dan Balusu are ...	EM-DAT	-2.8933	119.8512	
21	Indonesia	Landslide		2003	1	31	2003	1	31	10		20			Cantilan village, Kuninga ...	EM-DAT			
22	Indonesia	Landslide		2003	1	29	2003	1	29	21		1760			Garut, Nenggeng, Budi Ate ...	EM-DAT	-6.7500	107.9095	
23	Indonesia	Landslide		2002	12	11	2002	12	11	32		5			Pacet (Java Isl.)	EM-DAT			
24	Indonesia	Landslide		2001	10	23	2001	10	23			600			Ayah district	EM-DAT			
25	Indonesia	Landslide		2001	10	30	2001	10	30			310			Seling village (Sadang di ...	EM-DAT	-6.3957	109.6679	
26	Indonesia	Landslide		2001	1	22	2001	1	22	63					North Sulawesi province	EM-DAT	0.4960	123.9421	
27	Indonesia	Landslide		2001	2	8	2001	2	12	122		23000	10	0.00188%	Cipinas, Lebak district ( ...	EM-DAT	-5.4317	106.4267	
28	Indonesia	Landslide		2000	11	5	2000	11	7	52		19			Purworejo, Purbalingga, K ...	EM-DAT	-6.3268	109.4289	
29	Indonesia	Landslide		2000	10	29	2000	11	1	40		56210	43	0.00858%	Citacap, Banyumas (Centra ...	EM-DAT			
30	Indonesia	Landslide		2000	6	24	2000	6	24			520			Banngai	EM-DAT	-0.3529	123.5491	
31	Indonesia	Landslide		2000	2	22	2000	2	24	34			11.6	0.00232%	Brebes District (Java Isl ...	EM-DAT	-5.1231	109.0422	
32	Indonesia	Landslide		1999	12	9	1999	12	9	56					Oberang Pallinggam (Sumat ...	EM-DAT			
33	Indonesia	Landslide		1999	1	7	1999	1	7	33		2			Bali Isl.	EM-DAT	-7.5557	115.1891	
34	Indonesia	Landslide		1996	10	3	1996	10	3	23		4			Batam Isl.	EM-DAT	1.0796	104.0306	
35	Indonesia	Landslide		1992	10	8	1992	10	8	75		37000	5.4	0.00162%	Tasikmalaya, Ciamis, Garu ...	EM-DAT	-6.6628	108.2004	
36	Indonesia	Landslide		1991	1	16	1991	1	16	33					Java	EM-DAT			
37	Indonesia	Landslide		1989	1	16	1989	1	16	6		11601	0.341	0.00014%	Solak, Sawahlunto Sijunju ...	EM-DAT	-0.6626	100.7827	
38	Indonesia	Landslide		1988	2	6	1988	2	6	43					Java	EM-DAT			
39	Indonesia	Landslide		1983	0	0	1983	0	0	21							EM-DAT		
40	Indonesia	Landslide		1982	6	0	1982	6	0	225		3000			South Sumatra	EM-DAT	-2.6010	103.9083	
41	Indonesia	Landslide		1982	1	10	1982	1	10	50					North Sumatra	EM-DAT	1.9922	99.5277	
42	Indonesia	Landslide		1981	11	6	1981	11	6			6000			Jogjakarta	EM-DAT	-6.1996	110.3686	
43	Indonesia	Landslide		1980	12	0	1980	12	0	100		3010			Talaga	EM-DAT	-5.0114	108.3101	
44	Indonesia	Landslide		1979	5	29	1979	5	29	23		6			Ciherang	EM-DAT	-5.2450	107.0973	
45	Indonesia	Landslide		1955	4	0	1955	4	0	405							EM-DAT		
46	Indonesia	landslide		2013	2	6	2013	2	6						Slamet Mountain	ADRC	-6.7580	109.2145	
47	Indonesia	landslide	torrential rain	2013	1	27	2013	1	27	16					West Sumatra and Jambi Province, western Indonesia	ADRC	-0.7188	100.7986	
48	Indonesia	landslide	heavy rain	2012	4	2	2012	4	2			3000			Cianjur district, West Java province	ADRC	-6.9085	107.6688	
49	Indonesia	landslide	heavy rain	2011	11	30	2011	11	30	4		30			Nias	ADRC	1.0959	97.5224	
50	Indonesia	landslide and Flash	heavy rain	2010	10	5	2010	5	26	26							ADRC		
51	Indonesia	landslide	rain	2010	7	25	2010	7	25	18					eastern Indonesian province	ADRC			
52	Indonesia	landslide		2010	2	23	2010	2	23	4		40			West Java	ADRC	-0.7188	100.7986	
53	Indonesia	landslide	torrential rain	2008	11	14	2008	11	14	15					West Java	ADRC	-0.7188	100.7986	
54	Indonesia	landslide and Flood	heavy rainfall	2008	2	7	2008	2	7	2					Java	ADRC	-6.1962	110.6630	
55	Indonesia	landslide		2008	1	15	2008	1	15	10					Papua	ADRC	-3.6456	139.3644	
56	Indonesia	landslide	torrential rains	2007	12	25	2007	12	25	23					Central Java province	ADRC	-6.8459	110.1404	
57	Indonesia	Flood, Land Slide		2007	7	23	2007	7	23	7		16000			Sulawesi	ADRC	-0.0005	120.5318	
58	Indonesia	landslide		2007	3	3	2007	3	3	40					Flores	ADRC	-7.3427	121.0794	
59	Indonesia	landslide	torrential rain	2007	2	19	2007	2	19	8							ADRC		
60	Indonesia	landslide		2007	1	12	2007	1	12	11					Sangihe	ADRC	3.6155	125.4717	
61	Indonesia	landslide		2006	12	15	2006	12	15	17					Sumatra	ADRC	-2.0176	103.4713	
62	Indonesia	floods and landslide		2006	6	20	2006	6	20	94							ADRC		
63	Indonesia	floods and landslide	heavy rain	2006	4	20	2006	4	20	23					Java	ADRC	-6.1962	110.6630	
64	Indonesia	flood and landslide	torrential rain	2006	2	21	2006	2	21	24					North Sulawesi,	ADRC	0.4960	123.9421	
65	Indonesia	landslide		2006	1	4	2006	1	4			100			Sijeruk village	ADRC	-6.8866	109.7137	
66	Indonesia	Land Slide, Flash Flood	Tsunami-devastated	2005	10	18	2005	10	18	16					Aceh province	ADRC	4.5746	96.7266	
67	Indonesia	landslide		2005	9	3	2005	9	3	14					Sumatra	ADRC			
68	Indonesia	landslide		2005	2	21	2005	2	21	13		100			Jakarta	ADRC	-5.0821	107.6095	
69	Indonesia	landslide		2004	4	24	2004	4	24	44					Bandung	ADRC			
70	Indonesia	landslide	flash floods	2003	4	1	2003	4	1	27					eastern Indonesia	ADRC			
71	Indonesia	landslide	heavy rain	2003	1	11	2003	1	11	10					Borneo island	ADRC	-0.8939	114.1439	
72	Indonesia	Flood, Land Slide	torrential rain	2002	2	17	2002	2	17	7					central Java	ADRC	-6.8459	110.1404	
73	Indonesia	landslide		2002	1	29	2002	1	29	4					Jakarta	ADRC	-5.7835	106.8441	
74	Indonesia	landslide		2002	1	5	2002	1	5	4					Sulawesi,	ADRC	-0.0005	120.5318	
75	Indonesia	Landslide	Rain	2009	1	19	2009	1	19	4	11 missing						PRCC	-8.507	116.662

A3.6 Landslide

No	Country	Disaster Sub Type	Cause	Disaster Start			Disaster End			Damage				Affected Region	Reference	Location	
				Year	Month	Day	Year	Month	Day	Killed	Affected People	Amount (Million US\$)	Amount/GDP PPP%			North	East
76	Indonesia	Landslide	Not known could be previous rainfall	2009	7	10	2009	7	10	5				Cijeruk	PRCC	-6.703	106.773
77	Indonesia	Landslide	Heavy rain	2009	9	15	2009	9	15		Damaged 16 houses				PRCC	-7.368	112.715
78	Indonesia	Landslide	Heavy rains	2009	10	4	2009	10	4	1	Blocked road				PRCC	-5.472	104.484
79	Indonesia	Landslide	Rain recent eq	2009	10	17	2009	10	17	2					PRCC	-0.452	100.428
80	Indonesia	Landslide	Heavy rain	2009	10	26	2009	10	26	5				Pati	PRCC	-6.754	111.039
81	Indonesia	Landslide	Heavy rain	2009	11	8	2009	11	8	14	20 houses buried			Palopo	PRCC	-3.001	120.196
82	Indonesia	Landslide	Heavy rain	2009	11	20	2009	11	20	1	28 houses were buried. several bridges were also cut hindering the mobility of the villagers				PRCC	-7.466	107.662
83	Indonesia	Landslide	Heavy rain	2009	11	21	2009	11	21	2				Geger	PRCC	-7.743	111.544
84	Indonesia	Landslide	Heavy rain	2009	11	21	2009	11	21		9 house damaged badly while 37 slightly damaged				PRCC	-7.571	109.919
85	Indonesia	Landslide	Heavy rain	2009	11	22	2009	11	22	2	3 houses destroyed damaged infrastructure like roads and bridges- cutting off land transportation between several villages in the district			Toba-meerDanau Toba	PRCC	2.583	98.833
86	Indonesia	Landslide	Heavy rain	2009	11	22	2009	11	22						PRCC	-7.733	109.000
87	Indonesia	Landslide	Heavy rain	2009	11	22	2009	11	22	3	Number of houses were buried				PRCC		
88	Indonesia	Landslide	Heavy rains	2009	11	27	2009	11	27	0	falling trees have temporarily cut road access				PRCC	1.245	125.007
89	Indonesia	Landslide	Rain	2009	12	14	2009	12	14	1	4 injured				PRCC	-4.333	137.000
90	Indonesia	Landslide	Rain	2008	1	6	2008	1	6						PRCC	-8.196	111.104
91	Indonesia	Landslide	Rain	2008	1	6	2008	1	6						PRCC	-7.972	112.628
92	Indonesia	Landslide	Rain	2008	1	15	2008	1	15	10	1 missing				PRCC	-2.534	140.706
93	Indonesia	Landslide	Rain	2008	2	1	2008	2	1	2					PRCC	1.017	122.200
94	Indonesia	Landslide	Rain	2008	2	1	2008	2	1	8					PRCC	2.308	97.830
95	Indonesia	Landslide	Rain	2008	2	6	2008	2	6	4					PRCC	-6.864	109.034
96	Indonesia	Landslide	Rain	2008	2	15	2008	2	15	5					PRCC	-6.733	110.867
97	Indonesia	Landslide	Rain	2008	2	16	2008	2	16	1	1 injured				PRCC	-8.151	111.722
98	Indonesia	Landslide	Rain	2008	2	27	2008	2	27	1					PRCC	-8.033	111.400
99	Indonesia	Landslide	Rain	2008	3	13	2008	3	13	5					PRCC	-2.233	101.417
100	Indonesia	Landslide	Rain	2008	3	23	2008	3	23		Blocked roads				PRCC	-0.448	100.937
101	Indonesia	Landslide	Rain	2008	4	1	2008	4	1						PRCC	0.112	113.917
102	Indonesia	Landslide	Rain	2008	4	16	2008	4	16	2					PRCC	-0.967	100.432
103	Indonesia	Landslide	Rain and mining	2008	5	5	2008	5	5	19					PRCC	-4.403	136.044
104	Indonesia	Landslide	Rain	2008	5	19	2008	5	19	1					PRCC	-7.068	112.583
105	Indonesia	Landslide	Rains	2008	8	11	2008	8	11	5					PRCC	-3.300	128.400
106	Indonesia	Landslide	Rain - mining	2008	10	16	2008	10	16	2					PRCC	-5.330	120.349
107	Indonesia	Landslide	Rain	2008	10	18	2008	10	18	3					PRCC		
108	Indonesia	Landslide	Heavy rain-	2008	10	30	2008	10	30	5	20 missing hundreds homeless- blocked roads				PRCC	-4.500	121.729
109	Indonesia	Landslide	Heavy rain	2008	11	7	2008	11	7	6					PRCC		
110	Indonesia	Landslide	Rain-mining	2008	11	12	2008	11	12	10					PRCC	-1.016	123.292
111	Indonesia	Landslide	Heavy rain	2008	11	13	2008	11	13	5	10 injured				PRCC	-7.022	106.951
112	Indonesia	Landslide	Heavy rain	2008	11	17	2008	11	17	1	5 injured				PRCC	-8.558	115.424
113	Indonesia	Landslide	Heavy rain	2008	11	22	2008	11	22		Destroyed 1 house blocked roads- damaged 2 houses				PRCC	1.493	124.841
114	Indonesia	Landslide	Heavy rains	2008	12	17	2008	12	17						PRCC	-7.831	111.841
115	Indonesia	Landslide	Heavy rain	2008	12	21	2008	12	21		16 houses damaged- road blocked				PRCC	0.128	117.484
116	Indonesia	Landslide	Heavy rain	2008	12	22	2008	12	22		34 houses damaged				PRCC	1.354	116.382
117	Indonesia	Landslide	Rain	2007	1	15	2007	1	15	3					PRCC	3.542	125.540
118	Indonesia	Landslide	Rain	2007	1	31	2007	1	31	6					PRCC	-0.681	119.762
119	Indonesia	Landslide	Rain	2007	2	6	2007	2	6	7					PRCC	-6.250	106.100
120	Indonesia	Landslide	Rain	2007	2	19	2007	2	19	21					PRCC	-7.280	110.141
121	Indonesia	Landslide	Rain	2007	3	1	2007	3	1	12					PRCC	-8.699	125.672
122	Indonesia	Landslide	Heavy rain	2007	3	3	2007	3	3	3					PRCC	-8.567	120.800
123	Indonesia	Landslide	Rain	2007	4	21	2007	4	21	5					PRCC	-6.967	110.417
124	Indonesia	Landslide	Rain	2007	5	1	2007	5	1	30					PRCC	-2.679	118.893
125	Indonesia	Landslide	Heavy rain	2007	7	28	2007	7	28	4					PRCC	0.777	120.413
126	Indonesia	Landslide	Rains -	2007	12	5	2007	12	5	78					PRCC	-6.788	107.444
127	Indonesia	Landslide	Rain	2007	12	26	2007	12	26						PRCC	-7.651	111.184
128	Indonesia	Landslide	Rains	2007	12	26	2007	12	26	37					PRCC	-7.621	109.547
129	Indonesia	Landslide	Rain	2007	12	31	2007	12	31						PRCC	-7.667	111.117
130	Indonesia	landslide	rain	2007	1	15	2007	1	15	3	* landslide occurred on 1/12/07; 24 killed, 10 missing, 4,000 displaced			Sangihe island, Northeast of Jakarta	PRCC	3.5424	125.5401
131	Indonesia	landslide	rain	2007	1	31	2007	1	31	6	*3 killed, 6 houses buried			Dongala, Central Sulawesi	PRCC	-0.6811	119.7620

A3.6 Landslide

No	Country	Disaster Sub Type	Cause	Disaster Start			Disaster End			Damage				Affected Region	Reference	Location	
				Year	Month	Day	Year	Month	Day	Killed	Affected People	Amount (Million US\$)	Amount/ GDP PPP%			North	East
132	Indonesia	landslide	rain	2007	2	6	2007	2	6	7	*6 killed and 2 missing			Pandeglang regency, Banten province, Cadasari district	PRCC	-6.2500	106.1000
133	Indonesia	landslide	rain	2007	2	19	2007	2	19	21	*Homes slid down on top of other houses burying them			Semarang district, Central Java	PRCC	-7.2800	110.1410
134	Indonesia	landslide	rain	2007	3	1	2007	3	1	12	* 21 killed, 48 still missing; transportation to disaster areas has been cut off by landslides			Jakarta, East Nusantara Province	PRCC	-8.6993	125.6723
135	Indonesia	landslide	heavy rain	2007	3	3	2007	3	3	3	*other reports of 43 deaths			Manggarai	PRCC	-8.5667	120.8000
136	Indonesia	landslide	rain	2007	4	21	2007	4	21	5	3 killed when landslide buried house, late in evening; also derailed train in nearby village			Jakarta, West Java province, Semarang village	PRCC	-6.9667	110.4167
137	Indonesia	landslide	rain	2007	5	1	2007	5	1	30	* 5 killed and many more missing			Mamuju regency of West Sulawesi Province	PRCC	-2.6786	118.8933
138	Indonesia		rain	2007	7	23	2007	7	23	3	*closest to predicted location of Kolonedale (48.04 km)			Bungko Utara, Morowali	PRCC	-1.8240	121.5179
139	Indonesia	landslide	heavy rain	2007	7	28	2007	7	28	4	*4 sub districts affected; many roads covered by mud and soil, bridges damaged and houses affected by debris			four subdistricts in Minahasa and South East Minahasa District	PRCC	0.7770	120.4130
140	Indonesia	landslides	rains	2007	9	1	2007	9	1		* covered dozens of houses			Balikpapan, East Kalimantan	PRCC	-1.2654	116.8310
141	Indonesia	landslide	rains - ?	2007	12	5	2007	12	5	78	* Occurred in evening, blocked traffic			Bandung to Jakarta Road at Baros	PRCC	-6.7883	107.4435
142	Indonesia	landslide	rain	2007	12	26	2007	12	26		*landslides affected almost entire island of Java, *fear of more landslides in the same areas			Tawangmangu, central Java	PRCC	-7.6511	111.1835
143	Indonesia	landslide	rains	2007	12	26	2007	12	26	37	*triggered by torrential rains; *12 hours of non-stop rain			Karanganyar, village of Ledoksari	PRCC	-7.6213	109.5470
144	Indonesia	landslide	rain	2007	12	31	2007	12	31		*none killed, 30 homes destroyed, 177 people displaced			Tengklik village in Tawangmangu, central Java	PRCC	-7.6667	111.1167

1	Laos PDR	landslide	Heavy rain	2010	9	23					7 people are missing						
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1	Malaysia	Landslide		1993	12	11	1993	12	11	72				Kuala Lumpur	EM-DAT	3.1390	101.6869
2	Malaysia	Landslide		2011	5	21	2011	5	21	16	6			Hulu Langat	EM-DAT	3.1116	101.8132
3	Malaysia	Landslide		2002	1	31	2002	5	21	10				Simunjan district (Borneo ...	EM-DAT		
4	Malaysia	Landslide		1996	8	30	1996	8	30	50	262			Pos Dipang (Perak State)	EM-DAT		
5	Malaysia	Landslide		1995	6	30	1995	6	30	20	23			Genting Highlands (Near K ...	EM-DAT		
6	Malaysia	Landslide		2011	8	7	2011	8	7	7				Canerib Highland, Pahang	ADRC	4.51202	101.47935
7	Malaysia	Landslide		2011	5	21	2011	5	21	16				Hulu Langat	ADRC	3.11164	43.60667
8	Malaysia	Landslide		2002	11	21	2002	11	21	8					ADRC		
9	Malaysia	Landslide	heavy rain	2002	1	28	2002	1	28	10				eastern Malaysia	ADRC		
10	Malaysia	Landslide	Bad weather-rain	2009	1	16	2009	1	16	0	Blocked road				PRCC	1.531	110.344
11	Malaysia	Landslide	Heavy rains	2009	3	1	2009	3	1	0	Blocked road				PRCC	2.733	102.099
12	Malaysia	landslide	Heavy rain	2009	9	19	2009	9	19		Minimal				PRCC	3.186	101.767
13	Malaysia	landslide	Heavy rain	2009	9	19	2009	9	19		Buried car				PRCC	3.187	101.769
14	Malaysia	landslide	Heavy rain	2009	11	3	2009	11	3	0	Blocked road				PRCC	3.291	101.635
15	Malaysia	Landslide	Heavy rain	2009	11	3	2009	11	3	0	Blocked road				PRCC	3.297	101.631
16	Malaysia	Landslide	Heavy rain-quarrying	2009	11	19	2009	11	19	1					PRCC	4.233	100.633
17	Malaysia	Landslide	Heavy rain	2009	12	2	2009	12	2	0	Road blocked				PRCC	6.022	116.492
18	Malaysia	landslide	Rain	2008	1	16	2008	1	16	2					PRCC	4.461	101.394
19	Malaysia	landslide	Flash flood/rain along a	2008	10	7	2008	10	7	1					PRCC	3.190	101.699
20	Malaysia	landslide	Heavy rain	2008	11	23	2008	11	23		Cut off 1-100 residents-blocked road				PRCC	6.367	116.433
21	Malaysia	landslide	- possible drainage issue	2008	12	4	2008	12	4		Broke retaining wall-blocked road				PRCC	3.152	101.678
22	Malaysia	landslide	Heavy rain	2008	12	6	2008	12	6	5	12 houses destroyed-1000 people evacuated				PRCC	3.187	101.773
23	Malaysia	landslide	Heavy rain	2007	3	22	2007	3	22						PRCC	2.943	101.698
24	Malaysia	landslide	Rains	2007	10	3	2007	10	3		Blocked road				PRCC	5.998	116.596
25	Malaysia	landslide	Rains	2007	10	19	2007	10	19	2					PRCC	6.043	116.445
26	Malaysia	landslide	heavy rain	2007	3	22	2007	3	22		* 2,000 victims			Putrajaya	PRCC	2.9430	101.6980

A3.6 Landslide

No	Country	Disaster Sub Type	Cause	Disaster Start			Disaster End			Damage				Affected Region	Reference	Location		
				Year	Month	Day	Year	Month	Day	Killed	Affected People	Amount (Million US\$)	Amount/GDP PPP%			North	East	
27	Malaysia	landslides	rain	2007	8	25	2007	8	25		* blocked roads to hill resort preventing people from coming back down			Bukit Larut, Taiping	PRCC	4.8525	100.7943	
28	Malaysia	mud-landslide	rains	2007	9	26	2007	9	26		* broke a retaining wall and destroyed houses			Taman Melawati	PRCC	3.1028	101.6899	
29	Malaysia	landslide	rains	2007	10	3	2007	10	3		* covered 60–100 m of road at kilometer 84 at 3am			Kudasang–Tamparuli road, Kudasang, near the Mount Kinabalu national park area	PRCC	5.9976	116.5956	
30	Malaysia	landslide	rains	2007	10	19	2007	10	19		* blocked road, occurred at 7:30 pm			Ranau–Tamparuli Road	PRCC	6.0430	116.4453	
31	Malaysia		rains	2007	12	26	2007	12	26		*heavy rain lasted for two hours			Kapit	PRCC	2.0110	112.9430	
32	Malaysia	Landslide		1973	10					42		64.8		Kampuang Kacang Putih, Ipoh,Perak	National Slope Master Plan 2009–2023			
33	Malaysia	Landslide		1993	12					48		184.9	0.149%	Highland Tower Collapse, Ampang, Selangor	National Slope Master Plan 2009–2023			
34	Malaysia	Landslide		1995	6					20		N		Km 39 Lebuh raya KL–Karak, Genting Highkand, Pahang	National Slope Master Plan 2009–2023			
35	Malaysia	Landslide		1996	1					1		16.7	0.00957%	Km 303.8 North South Expressway, Gunung Tempurung, Perak	National Slope Master Plan 2009–2023			
36	Malaysia	Landslide		1996	9					44		69	0.03954%	Pos Dipang,Peak	National Slope Master Plan 2009–2023			
37	Malaysia	Landslide		1996	12					302		458.9	0.26298%	Keringau, Sabah	National Slope Master Plan 2009–2023			
38	Malaysia	Landslide		1999	2					17		29.5	0.01534%	Kg. Gelam, Sandakan, Sabah	National Slope Master Plan 2009–2023			
39	Malaysia	Landslide		2002	1					16		28	0.01191%	Simunajan, Sarawak	National Slope Master Plan 2009–2023			
40	Malaysia	Landslide		2002	11					8		17.4	0.00740%	Taman Hillview, Hulu Kelang, Kuala Lumpur	National Slope Master Plan 2009–2023			
41	Malaysia	Landslide		2003	11							836	0.32928%	Km 21.8 NKVE Bukit Lanjan, Selangor	National Slope Master Plan 2009–2023			
42	Malaysia	Landslide		2005	4							47	0.01499%	Kg Melayu Bt 11, Puchong, Selangor	National Slope Master Plan 2009–2023			
43	Malaysia	Landslide		2006	4							354.6	0.10378%	Km 44 JLn Simpang Pulau Cameland, Highland, Pahang(Gunung Pass)	National Slope Master Plan 2009–2023			
44	Malaysia	Landslide		2006	5					4		20.7	0.00606%	Kampung Pasir(Taman Bukit Zooview), Hulu Kelang,	National Slope Master Plan 2009–2023			
1	Myanmar	Landslide		2010	6	17	2010	6	17	68		145000		Maungdaw, Buthidaung; Rak ...	EM-DAT	20.8700	92.5275	
2	Myanmar	Landslide		2009	7	4	2009	7	4	24		1351		Hpakant city (Kachin stat ...	EM-DAT	25.6389	96.3866	
3	Myanmar	Landslide		2005	9	14	2005	9	15	17		16		Palow, Kyun Su, Myeik (Th ...	EM-DAT			
4	Myanmar	Landslide		2005	9	14	2005	9	14	30				Southeastern Myanmar	ADRC			
5	Myanmar	Landslide	Heavy rain and storm	2009	6	3	2009	6	3	4	3 injured				PRCC	9.9988	98.5465	
6	Myanmar	Landslide	Heavy rains	2009	10	3	2009	10	3	2	injured				PRCC	9.9988	98.5465	
1	Philippines	Landslide		2000	11	8	2000	11	8	11				Cabugao–Apayao (Kaling–Ap ...	EM-DAT	17.7919	120.4551	
2	Philippines	Landslide		1985	10	21	1985	10	21	300				South Mindanao	EM-DAT	8.4855	123.3024	
3	Philippines	Rockfall		1980	11	11	1980	11	11	50				Santa Fe (Zambales); Mindoro ...	EM-DAT	16.1619	120.9389	
4	Philippines	Landslide		2011	8	5	2011	8	5		310			Subic (Zambales); Mindoro ...	EM-DAT	14.8920	120.2355	
5	Philippines	Landslide		2011	7	4	2011	7	4	5		5		Bukkidnon (Mindanao Isl.) ...	EM-DAT	7.9765	125.0398	
6	Philippines	Landslide		2011	4	22	2011	4	22	24		574		Panganason–B. Kingking, ...	EM-DAT			
7	Philippines	Landslide		2010	1	1	2010	1	1	2		927	0.078	0.00002%	Valencia, Cagdianao provi ...	EM-DAT	10.1541	125.6550
8	Philippines	Landslide		2009	5	18	2009	5	18	10		16		Magapispis, Sitio Boringo ...	EM-DAT			
9	Philippines	Landslide		2008	9	6	2008	9	6	24		5028		Maco town (Compostelle Va ...	EM-DAT	7.4098	126.0009	
10	Philippines	Avalanche		2006	8	13	2006	8	13	6		1200		Between Kapatogan and Pag ...	EM-DAT	7.8931	123.7757	
11	Philippines	Landslide		2006	2	17	2006	2	17	1126		5926	2.203	0.00078%	Barangay Guinsaugon (St ...	EM-DAT	10.2893	125.1229
12	Philippines	Landslide		2006	2	14	2006	2	14	11		7525		Agos Agos (Sogod Southern ...	EM-DAT			
13	Philippines	Landslide		2004	12	13	2004	12	13	8		6		Hubo (nearTinambac)	EM-DAT	13.8167	123.3333	
14	Philippines	Landslide		2003	12	19	2004	1	7	255		217988	7	0.00288%	Licao, San Francisco, Ma ...	EM-DAT	10.0571	125.1617
15	Philippines	Subsidence		2000	7	10	2000	7	10	287		2838		Manilla	EM-DAT	14.5995	120.9842	
16	Philippines	Landslide		1999	8	4	1999	8	4	58				Manilla	EM-DAT	14.5995	120.9842	
17	Philippines	Landslide		1999	9	13	1999	9	13	13				Nord du pays	EM-DAT			
18	Philippines	Landslide		1999	5	10	1999	5	10	10		45		Compostela Valley (Minda ...	EM-DAT	7.4978	126.1749	
19	Philippines	Landslide		1999	4	0	1999	4	0	19				South of Philippines	EM-DAT			
20	Philippines	Landslide		1996	11	28	1996	11	28	33		8		Catanduanes (Mindanao)	EM-DAT	13.6970	124.2418	
21	Philippines	Landslide		1996	9	17	1996	9	17	12				South	EM-DAT			
22	Philippines	Landslide		1994	9	19	1994	9	24	23		68740	24	0.018%	Mont Pinatubo area (Luzon ...	EM-DAT		
23	Philippines	Landslide		1994	2	5	1994	2	5	4		5103		Davao Del Norte Province	EM-DAT	7.5618	125.6533	
24	Philippines	Landslide		1993	9	7	1993	9	7	21				Kimatu	EM-DAT			
25	Philippines	Landslide		1989	0	0	1989	0	0	72					EM-DAT			
26	Philippines	Landslide		1989	9	16	1989	9	16	14		77		Muntinlupa	EM-DAT	14.4081	121.0415	
27	Philippines	Landslide		1989	5	0	1989	5	0	13		1200		Mindanao/Monkayo	EM-DAT	7.8167	126.0500	
28	Philippines	Landslide		1988	5	22	1988	5	22	30				Davao del Sur	EM-DAT	6.4242	125.4782	
29	Philippines	Landslide		1988	4	4	1988	4	4	24				Davao Oriental	EM-DAT	7.0806	126.1763	
30	Philippines	Landslide		1981	10	0	1981	10	0	200					EM-DAT			
31	Philippines	Landslide		1978	8	13	1978	8	13	22		7		Subic	EM-DAT	14.8920	120.2355	
32	Philippines	Landslide		1960	1	0	1960	1	0	40					EM-DAT			
33	Philippines	Flashflood, Landslide	Tropical storm	2012	6	28	2012	6	28					northern Luzon	ADRC			
34	Philippines	Landslide		2012	1	5	2012	1	5	25				Southern Philippines	ADRC			
35	Philippines	Landslide		2011	4	22	2011	4	22	3				Southern Philippines	ADRC			
36	Philippines	Landslide		2008	5	18	2008	5	18	26				Southern Philippines	ADRC			
37	Philippines	Flooding, Landslide		2008	2	12	2008	2	12	35		27		Philippines	ADRC			
38	Philippines	Flood, Landslide	Storm	2007	11	19	2007	11	20	13				center and southern Philippine	ADRC			
39	Philippines	Flood, Landslide		2007	8	9	2007	8	9	17		13		northern philippines	ADRC			
40	Philippines	Landslide		2006	9	22	2006	9	22	8		14		northern philippines	ADRC			
41	Philippines	Landslide	six days of heavy rains	2003	12	20	2003	12	20	200				central Philippines	ADRC			
42	Philippines	Flood, Landslide	monsoon rains	2002	7	7	2002	7	7	27		24000		Philippines	ADRC			
43	Philippines	Landslide	Heavy rain	2009	1	2	2009	1	2	0	Blocked road				PRCC	12.5655	124.0419	
44	Philippines	Landslide	Heavy rain	2009	1	11	2009	1	11	4					PRCC	8.2101	126.2848	
45	Philippines	Landslide	Torrential rain	2009	2	7	2009	2	7	2					PRCC	9.2900	123.2260	

A3.6 Landslide

No	Country	Disaster Sub Type	Cause	Disaster Start			Disaster End			Damage			Affected Region	Reference	Location	
				Year	Month	Day	Year	Month	Day	Killed	Affected People	Amount (Million US\$)			Amount/ GDP PPP%	North
46	Philippines	Landslide	Heavy rain	2009	2	9	2009	2	9	2				PRCC	14.5450	121.5600
47	Philippines	landslide	Tropical storm "dante" (international name: kujira)	2009	5	5	2009	5	5	21				PRCC	12.7894	123.8635
48	Philippines	landslide	Typhoon nangka (locally known as feria)	2009	6	23	2009	6	23	2	House damaged			PRCC	8.4539	124.6193
49	Philippines	Landslide	Heavy rain	2009	7	31	2009	7	31	2	1 injured-damaged			PRCC	14.6759	121.2397
50	Philippines	landslide	Typhon morakot (local name)	2009	8	6	2009	8	6	3	1 injured-blocked road			PRCC	16.3920	120.5996
51	Philippines	Landslide	Typhon morakot (local name)	2009	8	8	2009	8	8	15				PRCC	16.4020	120.5970
52	Philippines	landslide	Heavy rain-tropical storm labuyo and sw monsoon	2009	9	8	2009	9	8	2				PRCC	14.1939	121.1481
53	Philippines	landslide	Heavy rain (td maring)/mining	2009	9	9	2009	9	9	3				PRCC	15.2662	120.2051
54	Philippines	Landslide	Heavy rain	2009	9	9	2009	9	9	2				PRCC	14.1940	121.1481
55	Philippines	landslide	Heavy rain	2009	9	13	2009	9	13	2	3 injured			PRCC	14.2138	121.0105
56	Philippines	landslide	Tropical storm "Ondoy" (ketsana)	2009	9	26	2009	9	26	1				PRCC	16.7432	120.8269
57	Philippines	landslide	Tropical storm "Ondoy" (ketsana)	2009	9	26	2009	9	26	1				PRCC	16.5702	120.5204
58	Philippines	landslide	Typhoon "pepeng"	2009	10	1	2009	10	1		Blocked roads			PRCC	13.8193	124.1754
59	Philippines	landslide	Typhoon "parma"	2009	10	3	2009	10	3	12				PRCC	16.5364	120.8512
60	Philippines	landslide	Heavy rain/tropical depression	2009	10	5	2009	10	5	8	Blocked highway			PRCC	16.4020	120.5970
61	Philippines	landslide	Heavy rain/tropical depression	2009	10	8	2009	10	8	0	Blocked highway			PRCC	17.5632	121.2180
62	Philippines	landslide	Heavy rain/tropical depression	2009	10	8	2009	10	8	2				PRCC	16.7449	120.8252
63	Philippines	landslide	Heavy rain/tropical depression	2009	10	8	2009	10	8	3	2 injured			PRCC	16.9645	120.8147
64	Philippines	landslide	Heavy rain/tropical depression	2009	10	8	2009	10	8	7	40 missing			PRCC	16.4597	120.5809
65	Philippines	landslide	Heavy rain/tropical depression	2009	10	8	2009	10	8	0	Blocked highway			PRCC	17.6424	121.3254
66	Philippines	landslide	Heavy rain/tropical depression	2009	10	8	2009	10	8	3				PRCC	16.4072	120.5829
67	Philippines	landslide	Heavy rain/tropical depression	2009	10	8	2009	10	8	0	Blocked highway			PRCC	17.4541	121.2284
68	Philippines	landslide	Heavy rain/tropical depression	2009	10	8	2009	10	8	2	Blocked road			PRCC	16.5713	120.7325
69	Philippines	landslide	Heavy rain/tropical depression	2009	10	8	2009	10	8	0	Blocked highway			PRCC	18.5005	120.8417
70	Philippines	landslide	Heavy rain/tropical depression	2009	10	8	2009	10	8	0	Blocked highway			PRCC	18.4293	121.0796
71	Philippines	landslide	Heavy rain/tropical depression	2009	10	8	2009	10	8	26	28 injured- (21 missing)			PRCC	16.8828	120.7802
72	Philippines	landslide	Heavy rain/tropical depression	2009	10	8	2009	10	8	0	Blocked highway			PRCC	17.1246	121.3148
73	Philippines	landslide	Heavy rain/tropical depression	2009	10	8	2009	10	8	50	10 missing- 3 injured			PRCC	16.9643	120.8163
74	Philippines	landslide	Heavy rain/tropical depression	2009	10	8	2009	10	8	7	6 injured- 1 missing			PRCC	16.5127	120.6336
75	Philippines	landslide	Heavy rain	2009	10	15	2009	10	15	0	Blocked highway			PRCC	16.4946	120.6524
76	Philippines	Landslide	Heavy rains due to tropical depression	2009	11	24	2009	11	24	3				PRCC	8.6542	124.7556
77	Philippines	Landslide	Heavy rains due to tropical depression	2009	11	24	2009	11	24	0				PRCC	8.7031	124.7439
78	Philippines	Landslide	Heavy rains due to tropical depression	2009	11	24	2009	11	24	0				PRCC	8.7122	124.7653
79	Philippines	Landslide	Heavy rains due to tropical depression	2009	11	24	2009	11	24	0				PRCC	8.8152	124.8293
80	Philippines	Landslide	Heavy rains due to tropical depression	2009	11	24	2009	11	24	0				PRCC	10.3456	123.8969
81	Philippines	Landslide	Heavy rains due to tropical depression	2009	11	24	2009	11	24	0				PRCC	8.8604	124.7893
82	Philippines	Landslide	Heavy rains due to tropical depression	2009	11	24	2009	11	24	0				PRCC	6.7916	125.1489
83	Philippines	Landslide	Heavy rains due to tropical depression	2009	11	24	2009	11	24	0				PRCC	8.9196	124.7837
84	Philippines	Landslide	Heavy rains due to tropical depression	2009	11	24	2009	11	24	0				PRCC	8.9626	124.8514
85	Philippines	Landslide	Heavy rains due to tropical depression	2009	11	24	2009	11	24	0				PRCC	8.5419	124.7630



A3.6 Landslide

No	Country	Disaster Sub Type	Cause	Disaster Start			Disaster End			Damage			Affected Region	Reference	Location	
				Year	Month	Day	Year	Month	Day	Killed	Affected People	Amount (Million US\$)			Amount/GDP PPP%	North
86	Philippines	Landslide	Heavy rains due to tropical depression	2009	11	24	2009	11	24	0				PRCC	8.4359	124.5196
87	Philippines	Landslide	Heavy rains due to tropical depression	2009	11	24	2009	11	24	0				PRCC	8.5770	124.7850
88	Philippines	Landslide	Heavy rains due to tropical depression	2009	11	24	2009	11	24	0				PRCC	8.5008	124.4309
89	Philippines	Landslide	Heavy rains due to tropical depression	2009	11	24	2009	11	24	0	10 injured			PRCC	9.8260	125.6095
90	Philippines	Landslide	Heavy rains due to tropical depression urduja	2009	11	25	2009	11	25	0	Road to sudlon and other barrangay is blocked			PRCC	9.8964	123.4200
91	Philippines	landslide	Rain	2008	1	3	2008	1	3					PRCC	10.0374	125.2172
92	Philippines	landslide	Rain	2008	1	3	2008	1	3		Blocked road			PRCC	10.1831	125.1251
93	Philippines	landslide	Rain	2008	1	3	2008	1	3					PRCC	10.3904	124.9851
94	Philippines	landslide	Rain	2008	1	14	2008	1	14					PRCC	7.0932	125.5583
95	Philippines	landslide	Rain	2008	1	16	2008	1	16					PRCC	7.8253	126.0367
96	Philippines	landslide	Rain	2008	1	31	2008	1	31					PRCC	7.8339	125.5986
97	Philippines	landslide	Rain	2008	2	15	2008	2	15					PRCC	11.7548	125.4606
98	Philippines	landslide	Rain	2008	2	17	2008	2	17	11				PRCC	12.0478	125.4357
99	Philippines	landslide	Rain	2008	2	19	2008	2	19					PRCC	13.8701	124.3101
100	Philippines	landslide	Rain	2008	2	21	2008	2	21	6				PRCC	7.8953	123.8436
101	Philippines	landslide	Rain	2008	2	21	2008	2	21	1				PRCC	13.6944	123.7851
102	Philippines	landslide	Rain	2008	2	23	2008	2	23	1				PRCC	7.1633	125.8992
103	Philippines	landslide	Rain	2008	2	25	2008	2	25	2				PRCC	14.6394	121.0922
104	Philippines	landslide	Rain	2008	3	7	2008	3	7		Blocked roads			PRCC	10.7349	122.9747
105	Philippines	landslide	Rain	2008	3	20	2008	3	20	4				PRCC	5.4274	125.3739
106	Philippines	landslide	Rain	2008	5	13	2008	5	13		Road blocked			PRCC	9.2903	123.2600
107	Philippines	landslide	Heavy rain	2008	5	29	2008	5	29		Several injured			PRCC	14.7231	121.2541
108	Philippines	landslide	Typhoon fengshen	2008	6	21	2008	6	21	1				PRCC	6.2189	124.6815
109	Philippines	landslide	Heavy rains	2008	6	24	2008	6	24	2				PRCC		
110	Philippines	landslide	Heavy rains	2008	6	29	2008	6	29	4				PRCC	9.5300	123.3100
111	Philippines	landslide	Heavy rains	2008	7	2	2008	7	2	2				PRCC	14.4700	121.0500
112	Philippines	landslide	Typhoon julian	2008	8	4	2008	8	4		Blocked roads			PRCC	17.4458	121.4196
113	Philippines	landslide	Rain	2008	8	17	2008	8	17		Blocked road			PRCC	16.9500	121.0450
114	Philippines	landslide	Typhoon karen	2008	8	20	2008	8	20	5				PRCC	16.3160	120.7414
115	Philippines	landslide	Typhoon karen	2008	8	20	2008	8	20	1				PRCC	16.4260	120.5823
116	Philippines	landslide	Typhoon karen	2008	8	20	2008	8	20	1				PRCC	16.9000	120.4525
117	Philippines	landslide	Typhoon nina	2008	9	22	2008	9	22		Blocked road			PRCC	16.3790	120.6000
118	Philippines	landslide	Typhoon nina	2008	9	22	2008	9	22	2				PRCC	16.4270	120.5870
119	Philippines	landslide	Typhoon nina	2008	9	23	2008	9	23	2 injured				PRCC	16.3900	120.6600
120	Philippines	landslide	Heavy rain	2008	9	24	2008	9	24	2 injured				PRCC	14.6750	121.1500
121	Philippines	landslide	Heavy rain	2008	11	20	2008	11	20	9 injured				PRCC	8.4400	126.3400
122	Philippines	landslide	Heavy rain	2008	12	10	2008	12	10	3				PRCC	7.6758	126.1139
123	Philippines	landslide	Rain	2006	12	28	2006	12	28					PRCC	12.3000	124.8330
124	Philippines	landslide	Rain - mining	2007	1	11	2007	1	11	6				PRCC	7.5314	126.0130
125	Philippines	landslide	Rain	2007	1	17	2007	1	17					PRCC	8.6184	125.6732
126	Philippines	landslide	Rain	2007	1	18	2007	1	18	5				PRCC	17.1167	120.9170
127	Philippines	landslide	Rains	2007	9	11	2007	9	11	1				PRCC	11.0333	122.2000
128	Philippines	landslide	Rains	2007	9	17	2007	9	17					PRCC	9.9242	123.1706
129	Philippines	landslide	Rains -	2007	9	29	2007	9	29					PRCC	16.8333	121.1167
130	Philippines	landslide	Rains	2007	9	18	2007	9	18					PRCC	10.6000	122.6167
131	Philippines	landslide	Rains over	2007	10	19	2007	10	19	5				PRCC	16.3183	120.5519
132	Philippines	landslide	Rains	2007	11	13	2007	11	13		Blocked road			PRCC	11.1719	125.5245
133	Philippines	landslide	Rains	2007	11	23	2007	11	23		Blocked road			PRCC	14.4882	121.3088
134	Philippines	landslide	Rains - ts mina/mitag	2007	11	24	2007	11	24	2				PRCC	13.7856	124.1604
135	Philippines	landslide	Rains	2007	11	25	2007	11	25		Blocked road			PRCC	17.7500	121.2500
136	Philippines	landslide	Rains	2007	11	26	2007	11	26	1				PRCC	18.5038	120.9096
137	Philippines	landslide	rain - mining	2007	1	11	2007	1	11	6			Inupuan in Barangay Mainit, Nabunturan, Compostela Valley Province	PRCC	7.5314	126.0130
138	Philippines	landslide	rain	2007	1	17	2007	1	17				Surigao Sur, Agusan del Sur	PRCC	8.6184	125.6732
139	Philippines	landslide	rain	2007	1	18	2007	1	18	5			Barangay Dalican in Bontoc, Mt. Province	PRCC	17.1167	120.9170
140	Philippines	rain	rain	2007	7	10	2007	7	10				Mt. Diwalwal	PRCC	7.8098	125.4498
141	Philippines	rain	rain	2007	7	11	2007	7	11	26			Sipalay City	PRCC	9.7500	122.5000
142	Philippines	rain	rain	2007	7	12	2007	7	12	3			Bajura	PRCC		
143	Philippines	rain	rain	2007	7	12	2007	7	12				Baglung	PRCC		
144	Philippines	rain/logging	rain/logging	2007	7	13	2007	7	13				Agusan del Norte	PRCC	8.9697	125.5593
145	Philippines	rain	rain	2007	8	2	2007	8	2				Cebu City	PRCC	10.3658	123.8897
146	Philippines	rain	rain	2007	8	4	2007	8	4	10			Itogon	PRCC	16.3922	120.6794
147	Philippines	* occurred at 12:15	rain/unsure	2007	8	6	2007	8	6	1			Compostela Valley	PRCC	7.3908	125.9049
148	Philippines	rain	rain	2007	8	8	2007	8	8	1			Baguio City	PRCC	16.4357	120.5763
149	Philippines	landslide/d ebris	?? - digging quarry	2007	8	14	2007	8	14	1			Carcar City	PRCC	10.1500	123.6190
150	Philippines	landslide	rains	2007	9	11	2007	9	11	1			Valderama, Antique	PRCC	11.0333	122.2000
151	Philippines	landslide	rains	2007	9	17	2007	9	17				Barangay Pinalubngan, Tayasan town, in northern	PRCC	9.9242	123.1706
152	Philippines	mud, landslide	rains	2007	9	20	2007	9	20	9			Mining village in Maco, Compostela Valley	PRCC	7.3908	125.9049
153	Philippines	landslide	rains - ?	2007	9	29	2007	9	29				Sitio Upper Pitawan in Barangay O-ong in Hingyon town, Ifugao province	PRCC	16.8333	121.1167
154	Philippines	landslide	rains	2007	9	18/25?	2007	9	18/25?				Poblacion village in Jordan town, Guimaras province	PRCC	10.6000	122.6167
155	Philippines	landslides	rains - Typhoon Ineng	2007	10	2	2007	10	2				Angat River in Barangay Lumang Bayan in Plaridel town	PRCC	14.8890	120.8640
156	Philippines	volcanic	rains	2007	10	14	2007	10	14				Barangay Sag-ang, La	PRCC	10.3333	123.0333
157	Philippines	mudslides, lahars	rains	2007	10	17	2007	10	17				Irosin town in Sorsogon province, Bulusan Volcano	PRCC	12.7500	124.0330
158	Philippines	landslide	rains over week	2007	10	19	2007	10	19	5			Kennon Road in Camp 6, Tuba	PRCC	16.3183	120.5519
159	Philippines	landslides	rains	2007	10	28	2007	10	28				Baras Town Virac, Catanduanes Province	PRCC	13.7000	124.3500
160	Philippines	landslides	rains	2007	10	29	2007	10	29				Bicol Region	PRCC	13.4000	123.3667
161	Philippines	landslides/mudslides	rains - storm Kabayan	2007	11	4	2007	11	4				Hal sema Highway leading to Mountain Province	PRCC	16.3748	120.6101

A3.6 Landslide

No	Country	Disaster Sub Type	Cause	Disaster Start			Disaster End			Damage				Affected Region	Reference	Location	
				Year	Month	Day	Year	Month	Day	Killed	Affected People	Amount (Million US\$)	Amount/ GDP PPP%			North	East
162	Philippines	landslides	rains	2007	11	4	2007	11	4				Catanduanes, Virac-San Miguel-Viga-Panganiban-Bagamanoc-Caramoran-San Andres-Virac Section Road, Agban Section along Baras-Gimato-Vira Road	PRCC	13.7143	124.3807	
163	Philippines	landslide	rains	2007	11	13	2007	11	13				Quinapondan-Buenavista junction of the road stretching from Marabut-Lawaan-Balangiga-Giporlos Quinapondan Road	PRCC	11.1719	125.5245	
164	Philippines	landslides	rains - TS Lando	2007	11	19	2007	11	19				Tagana-an town, and Visayas and Mindanao regions	PRCC	9.9667	125.5794	
165	Philippines	landslides	rains - TS Cebu	2007	11	19	2007	11	19	3			Barangay Mataas in Cagraray Island, Bacacay, Albay	PRCC	13.2989	123.8000	
166	Philippines	landslides	rains - TS Cebu	2007	11	19	2007	11	19				Catanduanes, Barangay Balongbong in Bato town and between Barangays Banog Banog and Asqad in San Andres town	PRCC	13.6068	124.2856	
167	Philippines	landslide-boulders	rains - TS Cebu	2007	11	19	2007	11	19				Surigao del Norte province's mining town of Placer	PRCC	9.6527	125.6008	
168	Philippines	landslides	rains - TS Cebu	2007	11	19	2007	11	19	5			Surigao City	PRCC	9.7824	125.4873	
169	Philippines	landslides	rains - TS Lando	2007	11	19	2007	11	19	2			National Highway at Barangay Libas, Lavezares, Northern	PRCC	12.5054	125.0039	
170	Philippines	landslides	rains - TS Lando	2007	11	20	2007	11	20				highway linking Cebu City to Balamban town	PRCC	10.3789	123.8514	
171	Philippines	landslides	rains - TS Mina/Mitag	2007	11	23	2007	11	23				Virac (and other towns), Catanduanes province	PRCC	13.9490	124.2100	
172	Philippines	landslide	rains	2007	11	23	2007	11	23				Piilla town, Rizal Province	PRCC	14.4882	121.3088	
173	Philippines	landslide	rains - TS Mina/Mitag	2007	11	24	2007	11	24	2			San Andres-Caramoran road up to Barangay Puting Baybay	PRCC	13.7856	124.1604	
174	Philippines	landslide	rains	2007	11	25	2007	11	25				Kalinga province	PRCC	17.7500	121.2500	
175	Philippines	landslide	rains	2007	11	26	2007	11	26	1			boundary of Ilocos Norte and Cagayan province	PRCC	18.5038	120.9096	
176	Philippines	landslide	rain	2006	12	28	2006	12	28				Silvino Lobos, Northern Samar	PRCC	12.3000	124.8330	
1	Singapore	Landslide	heavy rain	2007	1	11							Jalan Anak Bukit				
1	Thailand	Landslide		2004	10	18	2004	10	18	3	110		Baan Huay Nam Khiew (Krab ...	EM-DAT			
2	Thailand	Landslide		2002	9	3	2002	9	3	35	33000		Ban Tha Sala (Mae Hong So ...	EM-DAT	8.6759	99.8275	
3	Thailand	Landslide		1994	8	2	1994	8	2	9	10000		North and Central provinc ...	EM-DAT			
4	Thailand	Flash Flood, Mud Slide	Heavy monsoon rains	2006	5	23	2006	5	23	10	47		northern Thailand	ADRC	18.5028	99.6059	
5	Thailand	Mudslide	Heavy monsoon rains	2005	12	18	2005	12	18	12			southern Thailand	ADRC			
6	Thailand	Mudslide		2002	9	18	2002	9	18		800		northern Thailand	ADRC	18.5028	99.6059	
7	Thailand	landslide	Heavy rain	2008	7	15	2008	7	15	3				PRCC	7.8900	98.3000	
8	Thailand	landslide	Heavy rains	2008	7	18	2008	7	18					PRCC	19.0833	101.0833	
9	Thailand		rain	2007	8	9	2007	8	9			*closest to predicted location of Nakhon Phanom (762.56 km)	Kanchanaburi	PRCC	14.7333	98.6333	
10	Thailand	mud/landslides	rain	2007	8	20	2007	8	20	1		*LS on road cuts, blocking passage	Pheng-Nga and Surat Thani, Takuapha Municipality	PRCC	8.8427	98.3834	
11	Thailand	mudslide	rain	2007	8	23	2007	8	23			* only small amount of information, villager killed in rainfall-triggered mudslide	Nakhon Thai district	PRCC	17.1167	100.8333	
12	Thailand	mudslide	rains	2007	9	15	2007	9	15			* affected tourist spot along road	Lamru National Park, Khao Lak in Phangnga province	PRCC	8.5695	98.2558	
13	Thailand	debris, rock slide	rains	2007	9	20	2007	9	20			* Along road, residents helped to move boulders, traffic suspended	Phrae-Mae Lua road, Phrae	PRCC	18.1578	100.1589	
14	Thailand	slump	rains	2007	10	26	2007	10	26			* occurred at 1am	Patong	PRCC	7.8882	98.3071	
1	Viet Nam	Landslide		2009	11	6	2009	11	6	13	1		Quang Nam province	EM-DAT	15.5602	107.8552	
2	Viet Nam	Landslide		2004	9	13	2004	9	13	23			Bat Xat district (Lao Cai ...	EM-DAT	22.5539	103.6826	
3	Viet Nam	Landslide		2000	10	3	2000	10	3	40	17		Sin Ho district (Lai Chau ...	EM-DAT	22.2936	103.3152	
4	Viet Nam	Landslide		2000	7	22	2000	7	22	33	22		Ban Sai (Sapa region, Lao ...	EM-DAT			
5	Viet Nam	Landslide		1994	7	15	1994	7	31	21	1034	2.3	0.004%	Lai Chau province	EM-DAT	22.3129	103.2652
6	Viet Nam	Avalanche		1992	7	25	1992	7	25	200	38000		Ha Tuyen (Cao Bang provin ...	EM-DAT	22.6366	106.2533	
7	Viet Nam	Floods and landslides	torrential rain	2006	8	20	2006	8	20	15	1			ADRC			
8	Viet Nam	Landslide		2004	3	17	2004	3	17	3			Northern Vietnamese	ADRC			
9	Vietnam	landslide	Typhoon * 叉 ondoy * 叉 (ketsana)	2009	9	29	2009	9	29	7				PRCC	15.5980	107.8584	
10	Vietnam	Landslide	Heavy rain	2009	10	23	2009	10	23	0	1 missing-blocked			PRCC	16.3395	107.7424	
11	Vietnam	landslide	Typhoon mirinae	2009	11	5	2009	11	5	13	1 injured			PRCC	15.5721	108.4671	



A3.6 Landslide

No	Country	Disaster Sub Type	Cause	Disaster Start			Disaster End			Damage			Affected Region	Reference	Location	
				Year	Month	Day	Year	Month	Day	Killed	Affected People	Amount (Million US\$)			Amount/GDP PPP%	North
12	Vietnam	landslide	Rain-quarrying	2008	1	4	2008	1	4	3				PRCC	20.5667	105.9000
13	Vietnam	landslide	Rain	2008	2	20	2008	2	20					PRCC	14.9924	108.7010
14	Vietnam	landslide	Rain	2008	6	7	2008	6	7		Damaged houses			PRCC	10.7069	106.7361
15	Vietnam	landslide	Heavy rains	2008	7	22	2008	7	22	4				PRCC	22.7800	104.9500
16	Vietnam	landslide	Heavy rains	2008	7	26	2008	7	26	1				PRCC	22.7500	104.4800
17	Vietnam	landslide	Heavy monsoons	2008	8	16	2008	8	16	1	2 injured			PRCC	10.5780	105.5740
18	Vietnam	landslide	Heavy rains	2008	8	27	2008	8	27	3	2 injured			PRCC	22.7500	104.6667
19	Vietnam	landslide	Heavy rain-mining	2008	10	12	2008	10	12	6				PRCC	15.8000	107.8800
20	Vietnam	landslide	Rain	2008	10	16	2008	10	16		Destroyed petrol depot			PRCC	16.2000	108.1330
21	Vietnam	landslide	Heavy rain	2008	10	17	2008	10	17		Affected many people			PRCC	16.5489	107.2327
22	Vietnam	landslide	Rain	2008	11	12	2008	11	12		21 houses destroyed-138 residents homeless			PRCC	8.8313	105.2523
23	Vietnam	landslide	Heavy rain	2008	11	20	2008	11	20	1	2 injured			PRCC	15.1238	108.8117
24	Vietnam	landslide	Rains - tropical depression	2007	10	30	2007	10	30	3				PRCC	15.5946	107.9660
25	Vietnam	mudslide	rain	2007	5	7	2007	5	7	3	* 3 killed, 13 injured - Nghe An is 300km south of Hanoi		Central Vietnam, Nghe An Province	PRCC	19.2675	104.8433
26	Vietnam		rain	2007	7	1	2007	7	1	3	* 140-257mm of rain; also landslides in Ha Long City's Hong Gai and Bai Chay		Cam Pha Town, Quang Ninh Province	PRCC	21.0233	107.2930
27	Vietnam	mud-landslides	rains - typhoon Lekima	2007	10	5	2007	10	5		* flooding and landslides affected entire province, 67 died in total in two provinces		Thanh Hoa	PRCC	20.0400	105.3500
28	Vietnam	landslides	rains - typhoon Lekima	2007	10	5	2007	10	5		* multiple areas in North and Central Vietnam hit by Typhoon, extensive flooding and landslides, especially along road cuts		Nghe An's Que Phong, Son La	PRCC	21.3167	103.9000
29	Vietnam	landslides	rains	2007	10	15	2007	10	15		* 27 landslides in 6 mountainous districts, affecting the road		Quang Nam Province	PRCC	15.6045	107.9408
30	Vietnam	landslide	rains - tropical depression	2007	10	30	2007	10	30	3	* blocked roads in mountainous areas		Quang Nam	PRCC	15.5946	107.9660
31	Vietnam	landslides	rains	2007	11	5	2007	11	5				National Highway 24 and Quang Ngai Province	PRCC	15.2340	108.4852
32	Vietnam	landslides	rains	2007	11	9	2007	11	9	12	* major flooding and landslides throughout provinces.		Nam Tra My District, Quang Nam Province	PRCC	15.3333	108.2167

# **A 4**

## **Existing Investigations and Studies**

Appendix 4.1

No.:	FL-001	Published Year:	2010
Study/ Report Name:	Synthesis Report on Ten ASEAN Countries Disaster Risks Assessment		
Access to Information:	www.unisdr.org/files/18872_asean.pdf		
Research Organization:	UNISDR/World Bank		
Study Area (Country):	ASEAN (10 countries)		
Studied Hazard:	Flood		
Studied Damage/ Risk:	Flood		
Main Data Sources:	CRED EM-DAT, ADRC, NGDC, GSHAP, MRC, WAMIS, DWR, Munich Re, World Bank, UNISDR, GAR, In Terragate, IFNet, CCFSC, DESINVENTAR		

Summary of the Study:

1) Overview

Disaster risks are assessed for years (1970-2009) by 1) Scenario, Exposure, Vulnerability, Damage and Loss analysis using existing database. The dominant disaster risks are cyclonic storms (typhoons), earthquakes, tsunamis, floods, epidemics, landslides, droughts volcanic eruptions and forest-fires. In total 1,211 reported disasters caused over 414,900 deaths.

2) Vulnerability

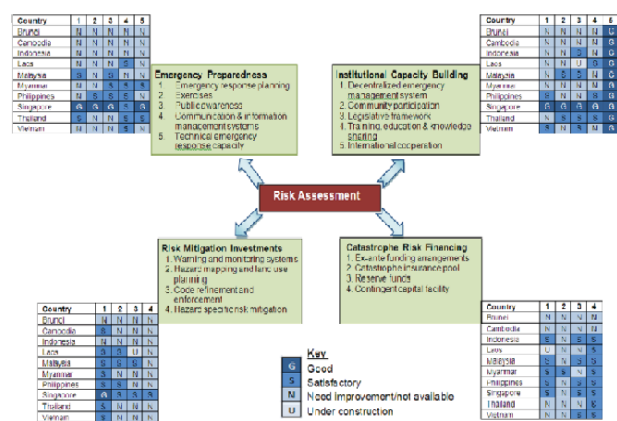
Method: the number of disaster events, deaths, affected population and economic losses are plotted against hazard types for 5 year intervals.

To estimate social vulnerability=> the average number of people killed.

ASEAN 17.7 death/year/million, Cambodia 3.56, Indonesia 20.38, Lao PDR 4.22, Malaysia 1.26, Myanmar 72.35, Philippines 11.93, Thailand 4.63, Vietnam 4.60. Brunei and Singapore have no data.

3) Risk assessment framework

A status of risk assessment framework is assessed by country to view the current capacity of risk assessment. The evaluation table is show below.



Appendix 4.1

No.:	FL-002	Published Year:	2012
Study/ Report Name:	Key Indicators for Asia and the Pacific 2012 43 <sup>rd</sup> edition		
Access to Information:	www.adb.org/publications/key-indicators-asia-and-pacific-2012		
Research Organization:	ADB		
Study Area (Country):	ASEAN (10 countries)		
Studied Hazard:	Flood		
Studied Damage/ Risk:	Vulnerability by % population and area		
Main Data Sources:			

Summary of the Study:

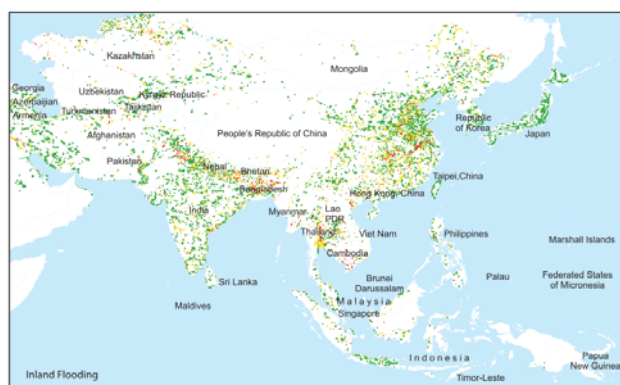
This report summarizes vulnerability of urban cities to flood in Asian and Pacific counties including the ASEAN region. The floods are classified as coastal flood and inland flood that may affect urban cities. Vulnerabilities are estimated by population and areas % at risk of flooding. Top 40 cities in Asian countries with 1 million population or more that are vulnerable to flooding are listed.

Key findings:

The Southeast Asia (ASEAN) region’s vulnerability to coastal flooding: 36.1% with Vietnam (73.9%), Thailand (60%).

In terms of inland flooding, the vulnerability for Southeast Asia is 14.7%. The estimated vulnerability: Vietnam (38.6%), the Lao PDR (34%), Thailand (29%).

Figure 19 Vulnerability to Inland (top) and Coastal (bottom) Flooding



Lao PDR = Lao People's Democratic Republic.  
 Source: Balk and Montgomery (2012).

Proportion of Asian Cities Population Affected by Flooding

- 0%-25% (Green)
- 26%-50% (Yellow)
- 51%-75% (Orange)
- 76%-100% (Red)

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Appendix 4.1

No.:	FL-003	Published Year:	2010
Study/ Report Name:	Progress Report on Flood Hazard Mapping in Asian Countries ICHARM Publication No.16, ISSN 0386-5878/ Technical Note of PWRI No. 4164		
Access to Information:	<a href="http://www.icharm.pwri.go.jp/publication/pdf/2010/4164_progress_report_on_fhm.pdf">http://www.icharm.pwri.go.jp/publication/pdf/2010/4164_progress_report_on_fhm.pdf</a>		
Research Organization:	UNESCO (ICHARM)/PERI		
Study Area (Country):	ASEAN (10 countries)		
Studied Hazard:	Flood		
Studied Damage/ Risk:	Hazard Map		
Main Data Sources:			

Summary of the Study:

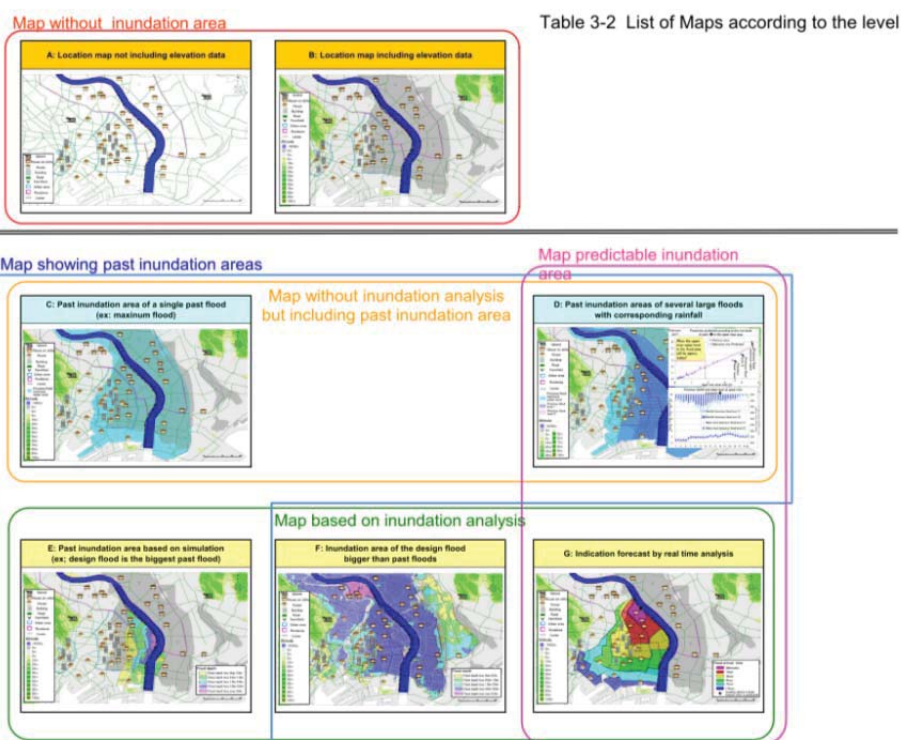
1) Overview

This is a seminar report on Flood Hazard Mapping production process for Asian Countries. Target countries were (China, Cambodia, Indonesia, Laos, Vietnam, Thailand, the Philippines, Malaysia).

2) Accuracy of Hazard Map

Two types of mapping methods are: i) interview based mapping (community-based), ii) quantitative hydrological data simulation models.

For the local usage, a simpler version is also effective. Examples of practical hazard maps are demonstrated as follows.



Appendix 4.1

No.:	FL-004	Published Year:	2005
Study/ Report Name:	A Primer: Integrated Flood Risk Management in Asia 2		
Access to Information:	<a href="http://www.adpc.net/maininforesource/udrm/floodprimer.pdf">www.adpc.net/maininforesource/udrm/floodprimer.pdf</a>		
Research Organization:	Asian Disaster Preparedness Center (ADPC)/UNICEF		
Study Area (Country):	Asia including ASEAN countries		
Studied Hazard:	Flood		
Studied Damage/ Risk:	Assessment method		
Main Data Sources:			
<p>Summary of the Study:</p> <p>This is a comprehensive and practical how-to-handbook for policy makers and implementation stakeholders of flood risk management in Asia, with updated resources to (1) authorize programs; (2) formulate decisions; (3) plan, develop and implement decisions; (4) support implementation of decisions. There are extensive glossaries of words and concepts in relation to flood risk management.</p> <p>Topics include:</p> <p>Chapter 2: Types and levels of flood: riverine flood, slow-onset, rapid-onset, normal flood (1 year flood), catastrophic flood (100 year flood). Causes of flood: meteorological, hydrological and anthropogenic.</p> <p>Chapter 3: Policies, legal and institutional arrangement plans:</p> <p>Chapter 4: Flood risk assessment, data required for an assessment of potential damages and losses, Flood frequency calculations</p> <p>Chapter 5: Importance of watershed and floodplain management for flood risk management</p> <p>Chapter 6: Structural interventions: flood storage reservoir, dykes, levee and embankment, EIA, cost benefit analysis</p> <p>Chapter 7: Flood-proofing measures, relocation, elevation, dry-flood proofing, wet-flood proofing, flood-proofing measures categories: permanent, contingent and emergency measures</p> <p>Chapter 8: Flood preparedness planning: preparedness framework, activities, flood forecasting, public awareness</p> <p>Chapter 9: Effective emergency response in environment health management, evacuation camps, delivery of goods</p> <p>Case studies of ASEAN countries include:</p> <p>Disaster Management and Relief in Malaysia,</p> <p>Hazard Assessment in the Philippines,</p> <p>Flood mitigation mix measures/community level management in Thailand,</p> <p>Mekong River Commission Mediation of Transboundary Flood Issues</p>			

Appendix 4.1

No.:	FL-005	Published Year:	2009
Study/ Report Name:	Climate Change Vulnerability Mapping for Southeast Asia		
Access to Information:	<a href="http://web.idrc.ca/uploads/user-S/12324196651Mapping_Report.pdf">http://web.idrc.ca/uploads/user-S/12324196651Mapping_Report.pdf</a>		
Research Organization:	Economy and Environment Program for Southeast Asia (EEPSEA)		
Study Area (Country):	ASEAN (Thailand, Vietnam, Laos, Cambodia, Indonesia, Malaysia, and Philippines)		
Studied Hazard:	Flood		
Studied Damage/ Risk:	Vulnerability to climate change, flood frequency		
Main Data Sources:	Urban Extent Database (GRUMP version 1) of the (CIESIN) GEODATA portal (the Environmental Database; <a href="http://geodata.grid.unep.ch/extras/datasetlist.php">http://geodata.grid.unep.ch/extras/datasetlist.php</a> ) BAKOSURTANAL		

Summary of the Study:

1) Overview

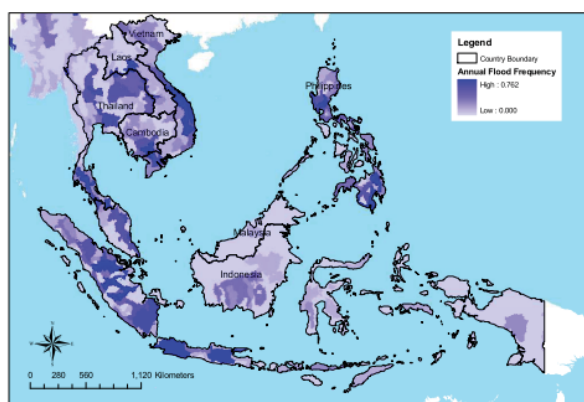
This study assesses vulnerability of Southeast Asian countries (Thailand, Vietnam, Laos, Cambodia, Indonesia, Malaysia, and Philippines) of climate change including flooding. Vulnerability is defined as a function of exposure (potential loss due to a hazard), sensitivity (the potential gravity of losses and damage), and adaptive capacity (how much to adapt a hazard situation).

2) Vulnerability assessment

Vulnerability is assessed by adaptive capacity (HDI, PPP, Gini-coefficient, Education, road, electricity...), population density (human sensitivity) and hazard map (hazard occurrence frequency data from 1980-2000). Adaptive capacity influences vulnerability. When adaptive capacity is low, vulnerability is high.

3) Area analysis

Cambodia is among the most vulnerable in ASEAN despite its relatively low exposure to climate hazards. The eastern coast of Vietnam is susceptible to cyclones, but adaptive capacity is high to manage to moderate its vulnerability. Bangkok and Jakarta have high adaptive capacities but not enough to moderate their extreme vulnerability with high population densities and significant exposure to climate hazards. A map shows annual flood frequency of the region.



Appendix 2B. Flood frequency (event per year from 1980-2001)

Appendix 4.1

No.:	FL-006	Published Year:	2012
Study/ Report Name:	Reducing Vulnerability and Exposure to Disasters The Asia-Pacific Disaster Report 2012		
Access to Information:	<a href="http://www.unisdr.org/we/inform/publications/29288">http://www.unisdr.org/we/inform/publications/29288</a>		
Research Organization:	ESCAP/UNISDR		
Study Area (Country):	ASEAN (10 countries)		
Studied Hazard:	Hydro-meteorological Hazard		
Studied Damage/ Risk:	Economic losses, fatalities, houses, risk-sensitive plans of investment		
Main Data Sources:			
<p>Summary of the Study:</p> <p>1) Overview</p> <p>The Asia-Pacific region represents 75% of all global disaster fatalities. The economic and population growth contribute to a greater exposure to natural disasters. The population was doubled from 2.2 to 4.2 billion between 1970 and 2010. But the number of people who are exposed to flooding has increased from 29.5 to 63.8 million. The urban settlements are more vulnerable as the urban population increased from 17 to 44% of the total population between 1950 and 2010.</p> <p>2) Vulnerability</p> <p>Generally, smaller and less diversified economies are more vulnerable to disaster risks. Flood mortality risks are higher in rural areas with a densely concentrated and rapidly growing population with weak governance.</p> <p>3) Risk</p> <p>Risks are associated with economic and mortality risks. The exposure to flooding events constantly increases as of 1980 but mortality risks are decreasing as countries strengthened their risk governance capacities. However economic risks are increasing, due to slow adaptation of the existing fixed assets, such as old buildings and infrastructure, and institutional instruments such as land use planning and building regulation to cope with flooding particularly in rapidly urbanizing areas.</p> <p>4) Spatial and land use plan</p> <p>The national spatial and land use plans and policies are a key to reduce flood risks. Brunei, Indonesia, Lao PDR, Malaysia, Philippines, Singapore and Vietnam have land-use policies, plans or measures for DRR.</p>			



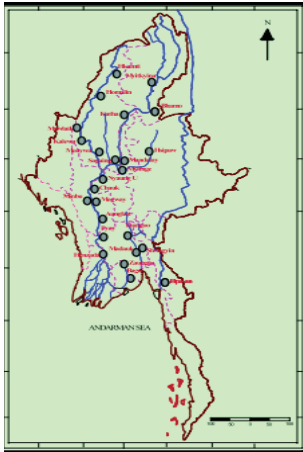
Appendix 4.1

No.:	FL-007	Published Year:	2002
Study/ Report Name:	Coping with flood in Cambodian communities, Enhancing community solidarity through capacity building		
Access to Information:	<a href="http://www.adpc.net/AUDMP/library/safer_cities/2.pdf">www.adpc.net/AUDMP/library/safer_cities/2.pdf</a>		
Research Organization:	Asian Disaster Preparedness Center		
Study Area (Country):	Cambodia, Kampong Cham		
Studied Hazard:	Flood		
Studied Damage/ Risk:	Community risk management, vulnerability		
Main Data Sources:			
<p>Summary of the Study:</p> <p>This is a case study of a community-based flood mitigation and preparedness project (1998-2001). 23 Cambodian villages are targeted to develop an organizational framework for flood vulnerability reduction.</p> <p>Activities included: risk mapping, learning about first aid, organization skills and financial management by volunteer members in the communities to identify, estimate and rank local disaster risks (risk assessment).</p> <p>The case provides an example of step-by-step activity implementation in a rural community setting to enhance preparedness and mitigate risk for flooding event.</p> <p>The lessons learnt from the project was</p> <ol style="list-style-type: none"> <li>1. It is necessary to involve all groups in the community to make a risk mapping useful.</li> <li>2. Risk mapping needs to be incorporated into community planning over a longer period of time.</li> <li>3. Community-based activities can foster a solidarity network building for safety and cooperation to mitigate the flood risks within a community.</li> </ol> <p>Asian Disaster Preparedness Center  P.O. Box 4, Klong Luang, Pathumthani 12120, THAILAND  Contact:  Tel: (66-2) 524-5354, Fax: (66-2) 524-5350  E-mail: <a href="mailto:adpc@ait.ac.th">adpc@ait.ac.th</a>  URL: <a href="http://www.adpc.ait.ac.th">http://www.adpc.ait.ac.th</a></p>			

Appendix 4.1

No.:	FL-008	Published Year:	2011
Study/ Report Name:	Advancing Disaster Risk Financing and Insurance in ASEAN Countries: Framework and Options for Implementation, Volume2: Appendix 1		
Access to Information:	<a href="https://www.gfdr.org/sites/gfdr.org/files/documents/DRFI_ASEAN_Appendices_June12.pdf">https://www.gfdr.org/sites/gfdr.org/files/documents/DRFI_ASEAN_Appendices_June12.pdf</a>		
Research Organization:	GFDRR/World Bank		
Study Area (Country):	ASEAN (10 countries)		
Studied Hazard:	Flood (multiple disasters)		
Studied Damage/ Risk:	Damage, affected population, vulnerability index		
Main Data Sources:	World Bank, EM-DAT, Relief Web, GFDRR, CIA fact book		
<p>Summary of the Study:</p> <p>1) Overview</p> <p>Disaster risks were compiled for ASEAN countries with data between 1982 and 2011. The following items are analyzed: disaster profile (% of different disasters), damage (\$), affected population, vulnerability index (estimated number of people killed/year).</p> <p>2) Disaster profile: Typhoon is the dominant incidence causing flood and landslide in most countries except Singapore and Brunei</p> <p>Cambodia: 45% flood (Mekong river), 9% storm, 16% drought, 29% epidemic</p> <p>Indonesia: west and dry zones most severely hit (Jakarta, Medan, Bandung)</p> <p>Lao PDR: 50% flood, 22% epidemics, 13% storm, 13% drought</p> <p>Malaysia: dominantly flood</p> <p>Myanmar: multiple hazards, earthquake serious risk</p> <p>Philippines: dominantly typhoons causing other hazards in conjunction</p> <p>Thailand: multiple hazard (flood, drought, storms and landslide)</p> <p>Vietnam: 49% storm, 37% floods, 5% epidemic, 3% landslide, 2% drought</p> <p>3) Vulnerable areas</p> <p>Mekong River Delta in Vietnam, all regions of the Philippines, most regions in Cambodia, North and East Lao PDR, Bangkok in Thailand, the west and south of Sumatra and western and eastern Java in Indonesia.</p> <p>4) Vulnerability</p> <p>Urban (especially coastal) areas are more vulnerable against disasters due to a rapid population growth, urbanization, deforestation, and unplanned land use.</p>			

Appendix 4.1

No.:	FL-009	Published Year:	2010
Study/ Report Name:	Flood Forecasting and Mitigating in Myanmar		
Access to Information:	<a href="http://ns1.mrcmekong.org/download/free_download/AFF-4/session4/3-FFM_in_Myanmar.pdf">http://ns1.mrcmekong.org/download/free_download/AFF-4/session4/3-FFM_in_Myanmar.pdf</a>		
Research Organization:	Dept. of Meteorology & Hydrology, Myanmar		
Study Area (Country):	Myanmar		
Studied Hazard:	Flood		
Studied Damage/ Risk:	Area		
Main Data Sources:	Analytical model: Sacramento, SSARR, HBV, Tank		
<p>Summary of the Study:</p> <p>1) Overview</p> <p>Flood period: June 6%, July 23%, August 49%, September 14%, October 8%.</p> <p>Widespread flood: mostly occur in the large and medium rivers caused by the heaving rainfall striking at the head water region for considerable period (1- 3 days), the flood wave forming at the head water started to move downward and causing flood along the river up to the deltaic area</p> <p>Flash Flood: usually occur in the small rivers and streams caused by heavy rainfall on the source and the flood wave move downward swiftly</p> <p>2) Risk</p> <p>Mekong river in Shan state bordering with Thailand : River Length - 350km (8.3% of total Length 4,200km), Drainage Area- 28,600 sq km, (3.6 % of total area 795,000 sq km)</p> <p>Average Annual Flow - 17.634 km<sup>3</sup></p> <p>3) Flood mitigation and preparedness measures</p> <ul style="list-style-type: none"> <li>- Non-structural flood control measures: Daily Water Level Forecast, Dekad and Monthly Water Level Forecast, Flood warning, Flood bulletin, Significant bulletin</li> <li>- DMH started since 1966</li> <li>- Reliable forecasting and easily understandable warning information with sufficient lead-time are of vital importance for flood forecasting system</li> </ul> <p>Mitigation measure reservoir schemes :</p> <ul style="list-style-type: none"> <li>- Kinda Reservoir Project on Panlaung River (tributary of the Ayeyarwady River)</li> <li>- Thapanseik Reservoir Project on Mu River (tributary of the Ayeyarwady River)</li> <li>- Paunglaung Reservoir Project on the Sittoung River</li> <li>- Yeywa Hydroelectric Power Project on Myitnge River (tributary of the Ayeyarwady River)</li> </ul>			
			
			Flood forecasting stations

Appendix 4.1

No.:	FL-010	Published Year:	2011
Study/ Report Name:	Multi Hazard Risk Assessment in the Rakhine State of Myanmar		
Access to Information:	<a href="http://www.gripweb.org/gripweb/?q=countries-risk-information/documents-publications/multi-hazard-risk-assessment-rakhine-state-myanmar">http://www.gripweb.org/gripweb/?q=countries-risk-information/documents-publications/multi-hazard-risk-assessment-rakhine-state-myanmar</a>		
Research Organization:	UNDP/ADPC		
Study Area (Country):	Myanmar		
Studied Hazard:	Flood		
Studied Damage/ Risk:	Area		
Main Data Sources:	Township GAD Offices, World Food Program (Myanmar), Myanmar, Rakhine State Education Office, Field Survey Data, Rakhine State Municipal Department, MIMU, Google Earth, Satelite Images of Urban Areas Purchased from Pakistan Space & Upper Atmosphere Research Commission (SUPARCO)		

Summary of the Study:

1) Overview

In this report the flood hazard maps are prepared for 50-year and 100-year return period scenarios for 5 river basin and their satellite townships in the Rakhine State.

**Table 10: Area exposed to flood hazard (50-year return period) at river-wise**

Township	Area (sq km) exposed to Flood 50 yr RP in different depth ( Kaladan River )			
	< 0.3 m	0.3-1.0 m	1.0-2.0 m	>2.0 m
Kyauktaw	23.45	34.69	12.48	1.10
Mrauk-U	6.13	10.78	3.30	0.45
Pauktaw	0.40	0.80	0.30	0.03
Ponnagyun	9.24	11.26	5.26	0.54
Sittwe	0.04	0.04	0.03	0.01

Township	Area (sq km) exposed to Flood 50 yr RP in different depth ( Mayu River )			
	< 0.3 m	0.3-1.0 m	1.0-2.0 m	>2.0 m
Buthidaung	20.04	37.52	17.18	2.15
Ponnagyun	4.74	5.01	2.15	3.56

Township	Area (sq km) exposed to Flood 50 yr RP in different depth ( Kaladan River )			
	< 0.3 m	0.3-1.0 m	1.0-2.0 m	>2.0 m
Rathedaung	6.26	5.08	1.83	0.64
Sittwe	0.19	0.27	0.22	

Township	Area (sq km) exposed to Flood 50 yr RP in different depth ( Naf River )			
	< 0.3 m	0.3-1.0 m	1.0-2.0 m	>2.0 m
Maungdaw	8.76	20.72	20.48	5.49

Township	Area (sq km) exposed to Flood 50 yr RP in different depth ( Singon Daing River )			
	< 0.3 m	0.3-1.0 m	1.0-2.0 m	>2.0 m
Minbya	15.70	21.79	7.33	2.01
Mrauk-U	14.86	22.68	11.63	0.79
Myebon	0.06	0.09	0.14	0.14
Pauktaw	3.05	4.39	3.73	0.85

Appendix 4.1

No.:	FL-011	Published Year:	2010
Study/ Report Name:	Strategic National Action Plan 2009-2019, Strengthening Disaster Risk Reduction in the Philippines		
Access to Information:	<a href="http://www.adrc.asia/countryreport/PHL/2009/PHL_attachment.pdf">http://www.adrc.asia/countryreport/PHL/2009/PHL_attachment.pdf</a>		
Research Organization:	National Disaster Coordinating Council		
Study Area (Country):	Philippines		
Studied Hazard:	Multi-hazard		
Studied Damage/ Risk:	Strategy paper		
Main Data Sources:	Manila Observatory. 2005. Mapping Philippine Vulnerability to Environmental Disasters (available <a href="http://www.observatory.ph/vm/cw_maps.html">http://www.observatory.ph/vm/cw_maps.html</a> ), December 2005;		
<p>Summary of the Study:</p> <p>1) Overview</p> <p>This is a strategic planning of disaster risk reduction (DRR) in the Philippines for 2009-2019. The document overviews current efforts made in the Philippines and shows strategic directions for further activities to enhance preparedness for various disasters. For BCP planners, this can be used as a starting reference to view governmental strategic directions and tools provided as well as institutions that are in charge of preparedness counter measures for different disaster hazards.</p> <p>2) Risk</p> <p>In an analysis of natural disaster hotspots by the Hazard Management Unit of World Bank, 22.3% of the total land area is exposed to three or more hazards and in that area 36.4% of the population is exposed, 62.2% of the total area is exposed to two or more hazards and in that area 73.8% of the population is exposed.</p> <p>3) Policy framework</p> <p>The analytical poles of the DRR status are based on the five Hyogo Framework for Action. Five focal activities as follows:</p> <p>a) Governance (making disaster risk reduction a priority),</p> <p>b) Risk identification, assessment, monitoring and early warning systems (improving risk information and early warning),</p> <p>c) Knowledge management (building a culture of safety and resilience),</p> <p>d) Risk management and vulnerability reduction (reducing the risks in key sectors), and</p> <p>e) Disaster preparedness for effective response (strengthening preparedness for response).</p> <p>A list of priority programs and projects for the planed period is available.</p>			

## Appendix 4.1

No.:	FL-012	Published Year:	2009
Study/ Report Name:	Hazards Mapping and Assessment for effective Community-based Disaster Risk Management or “READY” Project		
Access to Information:	URL <a href="http://drh.edm.bosai.go.jp/database/">http://drh.edm.bosai.go.jp/database/</a>		
Research Organization:	Office of Civil Defense- National Disaster Coordinating Council Department of National Defense		
Study Area (Country):	Philippines, (27 provinces: Suringao del Sur, Suringao del Norte, Southern Leyte, Leyte, Bohol, Zamboanga, Aurora, N. Samar, Cavite, E. Samar, Pampanga, Zambales, Catanduanes, Laguna, Abra, Antique, Quirino, Ilocos Sur, Agusan del Sur, Nueva Vicaya, Rizal, Cagayan, Iloilo, Isabela, Ilocos Norte, Benguet)		
Studied Hazard:	Multi-hazard		
Studied Damage/ Risk:	Multi-hazards mapping, community based disaster preparedness		
Main Data Sources:	Community-based early warning systems (CBFEWS, CBEWS for Tsunami), Information, Education and Communication (IEC), Rapid Earthquake Damage Assessment Software (REDAS), disaster risk reduction (DRR), disaster risk management (DRM)		
Summary of the Study:			
<p>The project concerns the countermeasures on the various geological and hydro-meteorological hazards. 27 provinces are targeted as the risks are high.</p> <p>The countermeasures:</p> <p>1) disaster risk assessment:</p> <p>Ground rupture mapping, ground shaking mapping, liquefaction mapping, earthquake-induced landslide mapping, tsunami mapping, rainfall-induced landslide mapping, floods and flush-floods mapping, storm surge mapping.</p> <p>2) community based activities</p> <ul style="list-style-type: none"> <li>• Community-based Flood early Warning System (CBFEWS) which monitors water levels at a river, and establishes a network of information dissemination by liaising the Disaster Operation Centers (DOC) This system is incorporated in the Philippines Strategic National Action Plan 2009-2019 (FL-011).</li> <li>• Information dissemination network</li> </ul>			

Appendix 4.1

No.:	FL-013	Published Year:	2009
Study/ Report Name:	Flood Risk Management in the Border Zone between Cambodia and Vietnam		
Access to Information:	<a href="http://ns1.mrcmekong.org/download/fmmp-reports/V6E_FRMBZ_KH_VN_2.pdf">http://ns1.mrcmekong.org/download/fmmp-reports/V6E_FRMBZ_KH_VN_2.pdf</a>		
Research Organization:	The Mekong River Commission Secretariat		
Study Area (Country):	Vietnam Cambodia		
Studied Hazard:	Flood		
Studied Damage/ Risk:	Damages, risk assessment		
Main Data Sources:	MRC ISIS model, local authorities		

Summary of the Study:

1) Overview

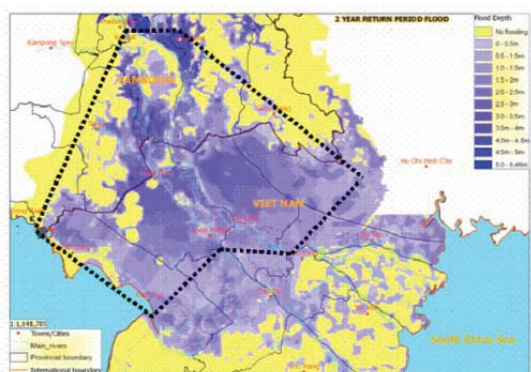
In this project, existing flood risk management plans are considered along the Mekong River in the following areas by conducting carefully thought assessments to estimate risks of damages of housing, agriculture and infrastructure. The project area covers 25 districts in Cambodia (10 districts in Takeo province, 7 districts in Kandal province, 5 districts in Prey Veng province, and 3 districts in Svay Rieng province) and 34 districts in Vietnam (11 districts in An Giang province, 11 districts in Dong Thap province, 5 districts in Kien Giang province, 6 districts in Long An province, and 1 district in Tien Giang province).

1. In Vietnam:

- a. Long Xuyen Quadrangle (LXQ)
- b. Area between Bassac and Mekong north of the Vam Nao
- c. Plain of Reeds (POR) north of the Nguyen Van Tiep Canal

2. In Cambodia:

- a. Floodplains on the West Bassac (WB)
- b. Floodplains between Bassac and Mekong
- c. Floodplains on the left bank of the Mekong and south of the NR #1, also referred to as East Mekong.



The conclusion of the damage risk assessment suggests that if one country takes measures to mitigate flood risks, the risk in the other country increases. Therefore, mitigation measures have to be taken in both countries to lower the risks of flooding. A joint project or an international watercourse management to reduce risks of the flood is sought for.



Appendix 4.1

No.:	FL-014	Published Year:	2008
Study/ Report Name:	Strategic National Action Plan for Disaster Risk Reduction 2008 ~ 2013		
Access to Information:	<a href="http://www.unisdr-apps.net/confluence/display/bib/Strategic+National+Action+Plan+%28SNAP%29+for+Disaster+Risk+Reduction">http://www.unisdr-apps.net/confluence/display/bib/Strategic+National+Action+Plan+%28SNAP%29+for+Disaster+Risk+Reduction</a>		
Research Organization:	National Committee for Disaster Management and Ministry of Planning		
Study Area (Country):	Cambodia		
Studied Hazard:	Flood		
Studied Damage/ Risk:	Area, institutional improvement		
Main Data Sources:			

Summary of the Study:

1) Overview

This is a national strategic plan to deal with natural disasters. Flood is a common natural hazard in Cambodia and paper summarizes the status of flood risk and plans to tackle for Cambodia to manage flood and achieve the Millennium Development Goals (MDGs).

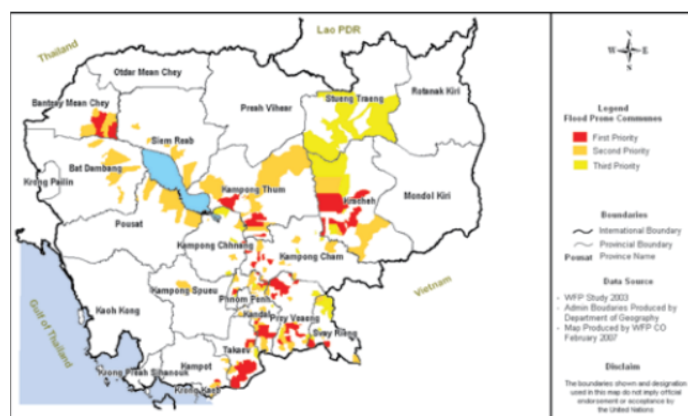
2) Flood situation

There are two types of flood in Cambodia: 1. Mekong flood – Rainfall in the upper catchments causes a slow but steady rise in water levels lasting for several days. Mekong river floods are common in the provinces of Stung Treng, Kratie, Kampong Cham, Prey Veng, Svay Rieng, Kandal, and Takeo.

2. Flash floods – Repeated heavy rainfall in mountainous areas, which flows to streams and tributaries of the Mekong River branch of river cause flash floods. Flash floods are common in the provinces of Kandal, Kampong Speu, Kampot, Pursat, Battambang, Kampong Chhnang, Rattanakiri, Preah Vihea, and Odor Meanchey.

Major flooding events affecting a significant population occur every five years or so (in 1961, 1966, 1978, 1984, 1991, 1996, 2000, 2001 and 2002).

The figure below shows the location of the most flood prone areas in Cambodia.





Appendix 4.1

No.:	FL-015	Published Year:	2011
Study/ Report Name:	Program for Hydro-Meteorological Disaster Mitigation in Secondary Cities in Asia (PROMISE) 2005 to 2010		
Access to Information:	<a href="http://www.adpc.net/v2007/programs/udrm/Downloads/PROMISE/MNE/PROMISE_FinalReport.pdf">http://www.adpc.net/v2007/programs/udrm/Downloads/PROMISE/MNE/PROMISE_FinalReport.pdf</a>		
Research Organization:	Asian Disaster Preparedness Center (ADPC)		
Study Area (Country):	Indonesia/ Vietnam		
Studied Hazard:	Flood		
Studied Damage/ Risk:	Area		
Main Data Sources:			
<p>Summary of the Study:</p> <p>1) Overview Mitigation of flood risks, activities conducted 2005-2010</p> <p>2) Jakarta urban risk context Jakarta is highly prone to flooding for 27 water systems are comprised of 13 rivers, drains and canals that collect surface run-off exits into Jakarta Bay through Jakarta's 35-km coast.</p> <p>3) Cause of flooding: excessive rainfall, flash floods along these systems</p> <p>4) Size of hazard: swells of about 2 to 4 meters, land subsidence, high tide, the conversion of swamps into residential areas in South and East Jakarta</p> <p>5) The areas with flood risk: red most risky areas A hazard map was produced using DUFLOW software with hydrology data of 2007 flood event and topography map and calibrated and verified with field data. Vulnerability was assessed and mapped using socio-demographic data. Capacity was mapped based on the assessed draining capacity of pumps and levees.</p> <p>6) Community program for flood preparedness Hazard mapping, risk identification, flood risk assessment, flood mitigation, flood disaster management planning, town watching, community-based action plan.</p>			



Appendix 4.1

No.:	FL-016	Published Year:	2009
Study/ Report Name:	Jakarta Flood Hazard Mapping Framework		
Access to Information:	<a href="http://www.hkv.nl/documenten/jakarta_flood_hazard_mapping_framework_mh.pdf">http://www.hkv.nl/documenten/jakarta_flood_hazard_mapping_framework_mh.pdf</a>		
Research Organization:	World Bank		
Study Area (Country):	Indonesia, Jakarta		
Studied Hazard:	Flood		
Studied Damage/ Risk:	Flood Hazard Map (FHM)		
Main Data Sources:			

Summary of the Study:

This paper describes the Flood Hazard Mapping (FHM) to analyze the flood causes and hazard in Jakarta. The FHM framework consists of rainfall-runoff (RR), for hydraulics (1D) and inundation calculation (2D).

Data used for RR: area-elevation curves, population numbers, subsidence data, land-use characteristics and discharge methods (pump or gravity) in ArcGIS. Its analysis concluded 40 % reduction in flood risk could be reached in case maintenance was carried out regularly to keep cross sections in accordance with the design.

Hydrological Units: 450

The runoff calculation model: Sacramento model

Rainfall measurement stations: 23 stations

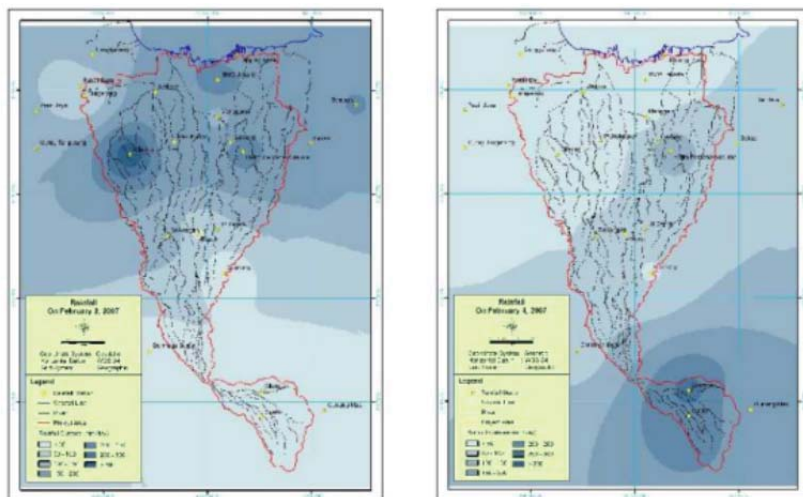
Data used for 1D hydraulics Model: SOBEK Model

Analysis area: 13 Rivers, nearly 600 km long

Geometry description: 2300 cross-sections

Data used for 2D inundation model Calculation model: 2D module of SOBEK

Below is the rainfall events in February 2007



Appendix 4.1

No.:	FL-017	Published Year:	2004																		
Study/ Report Name:	Assessment of flood risk in Hat Yai Municipality, Southern Thailand, using GIS																				
Access to Information:	<a href="http://jsnds.sakura.ne.jp/contents/jnds/26_1_1.pdf">http://jsnds.sakura.ne.jp/contents/jnds/26_1_1.pdf</a>																				
Research Organization:	Journal of Natural Disaster Science																				
Study Area (Country):	Thailand, Hat Yai in the Khlong U-Taphao Basin																				
Studied Hazard:	Flood																				
Studied Damage/ Risk:	Physical damage, financial damage																				
Main Data Sources:	Royal Thai Survey Dept., GISDA, Office of Environmental Policy ad Planning, Hat Yai Municipality, Meteorological Dept., Dept. of Public Works and Town & County Planning, Dept. of Provincial Administration, Community																				
<p>Summary of the Study:</p> <p>1) Overview</p> <p>This report assesses flood hazard and risk in Hat Yai Municipality, comprising 33 communities, covers an area of 20.1 km<sup>2</sup> and has a population of 157,876 people.</p> <p>2) Cause of flooding</p> <p>The cause of vulnerability to floods is deforestation. From 1982 to 2002, forest resources decreased from 48,281 to 26,781 hectares, equivalent to a reduction of 44.5 %. Hat Yai Municipality experienced two flood events of catastrophic magnitudes in 1988 and 2000.</p> <p>3) Risk Assessment Result</p> <table border="1"> <thead> <tr> <th>Susceptibility</th> <th>Very low</th> <th>low</th> <th>moderate</th> <th>High</th> <th>very high</th> </tr> </thead> <tbody> <tr> <td>Flood hazards (ha)</td> <td>99.0</td> <td>400.0</td> <td>1110.0</td> <td>346.0</td> <td>100.0</td> </tr> <tr> <td>Flood risks (ha)</td> <td>39.6</td> <td>654.6</td> <td>152.7</td> <td>664.5</td> <td>543.6</td> </tr> </tbody> </table> <p>Factors to assess the susceptibility are as follows.</p> <p>For flood hazard: rainfall, elevation, slope, drainage, road, land use are considered.</p> <p>For flood risk: flood hazard, population, land use types are considered.</p> <p>All the residential, commercial, industrial, and the public utilities and facilities areas, equivalent to 1,188.0 ha (57.8 %) of the municipality's total land area, faced high and very high flood risks. Complete prevention of floods with structural measures is impossible and uneconomical. Non-structural measures are needed to supplement structural mitigation and prevention measures. Ways to reduce flooding risks: 1) decreasing hazards, 2) reducing or eliminating the vulnerability of the elements at risk, or a combination of both actions.</p>				Susceptibility	Very low	low	moderate	High	very high	Flood hazards (ha)	99.0	400.0	1110.0	346.0	100.0	Flood risks (ha)	39.6	654.6	152.7	664.5	543.6
Susceptibility	Very low	low	moderate	High	very high																
Flood hazards (ha)	99.0	400.0	1110.0	346.0	100.0																
Flood risks (ha)	39.6	654.6	152.7	664.5	543.6																

Appendix 4.1

No.:	FL-018	Published Year:	2011
Study/ Report Name:	Thailand Flooding 2554 Rapid Assessment for Resilient Recovery and Reconstruction Planning		
Access to Information:	<a href="http://www.nesdb.go.th/Portals/0/news/nesdbnews/flood/Post%20Disaster%20Needs%20Assessment.pdf">http://www.nesdb.go.th/Portals/0/news/nesdbnews/flood/Post%20Disaster%20Needs%20Assessment.pdf</a>		
Research Organization:	World Bank		
Study Area (Country):	Thailand, Chao Phraya river		
Studied Hazard:	Flood		
Studied Damage/ Risk:	Physical damage, financial damage		
Main Data Sources:			

Summary of the Study:

1) Overview

The focus of the PDNA report is to estimate monetary damages and losses of the flood 2011. The total damages and losses are THB 1.44 trillion (USD 48 billion) for a five year period.

2) Assessment area

The data collected from: 18 social and economic sectors and cross-cutting issues from affected 26 provinces

A social impact assessment conducted in: 3 provinces, Lopburi, Uthai Thani and Nakhon Sawan provinces in the Central Plains

3) Damages

80 percent of the rehabilitation needs is from the manufacturing sector. This is the largest damages throughout sectors. The economic impact is concentrated in the 7 industrial estates.

Sub Sector	Disaster Effects			Ownership	
	Damage	Losses	Total	Public	Private
<b>Infrastructure</b>					
Water Resources Management	8,715	-	8,715	8,715	-
Transport	23,538	6,938	30,476	30,326	150
Telecommunication	1,290	2,558	3,848	1,597	2,251
Electricity	3,186	5,716	8,901	5,385	3,517
Water Supply and Sanitation	3,497	1,984	5,481	5,481	
<b>Productive</b>					
Agriculture, Livestock and Fishery	5,666	34,715	40,381	-	40,381
Manufacturing	513,881	493,258	1,007,139	-	1,007,139
Tourism	5,134	89,673	94,808	403	94,405
Finance & Banking	-	115,276	115,276	74,076	41,200
<b>Social</b>					
Health	1,684	2,133	3,817	1,627	2,190
Social	-	-	-	-	-
Education	13,051	1,798	14,849	10,614	4,235
Housing	45,908	37,889	83,797	12,500	71,297
Cultural Heritage	4,429	3,076	7,505	3,041	4,463
<b>Cross Cutting</b>					
Environment	375	176	551	212	339
<b>TOTAL</b>	<b>630,354</b>	<b>795,191</b>	<b>1,425,544</b>	<b>141,477</b>	<b>1,284,066</b>

Source: DALA estimates, NESDB, and Ministry for Industry damages and losses.

Note: Losses for each sector include higher expenditures due to floods

Rehabilitation needs: Public sector Bt389billion, Private sector Bt1,055billion

Rehabilitation cost % of post flood government revenue: 126.6 billion Bt (2012: 6.3%), 200.6 billion Bt (2013: 8.8%), 61.2 billion Bt (2014: 2.4%)

Appendix 4.1

No.:	FL-019	Published Year:	2010
Study/ Report Name:	Flood Management – Programme and Activities		
Access to Information:	URL		
Research Organization:	Ministry of Natural Resources and Environment, Department of Irrigation and Drainage Malaysia		
Study Area (Country):	Malaysia		
Studied Hazard:	Flood		
Studied Damage/ Risk:	Population		
Main Data Sources:	<a href="http://www.water.gov.my/our-services-mainmenu-252/flood-mitigation-mainmenu-323/programme-aamp-activities-mainmenu-199?lang=en&amp;showall=1">http://www.water.gov.my/our-services-mainmenu-252/flood-mitigation-mainmenu-323/programme-aamp-activities-mainmenu-199?lang=en&amp;showall=1</a>		

Summary of the Study:

1) Overview

Flood management initially focused on the immediate flood relief works and to implement major flood mitigation structures. Non-structural measures were introduced under Manual Saliran Mesra Alam since 2001. The DID has adopted the Integrated River Basin Development and the Integrated Flood Management approaches to provide a balanced approach among structural and non-structural measures and higher levels of public participation.

2) Damages: total damage estimate of 2002 was RM915 million /year.

Estimate of flood damage by State

State	Damage	Persons evacuated
Perlis	2.76	13,000
Kedah	30.20	124,000
Pulau Pinang	44.52	510,000
Perak	22.64	244,000
Selangor	75.76	726,000
W.P. Kuala Lumpur	99.33	13,000
Negeri Sembilan	3.96	42,000
Melaka	2.29	31,000
Johor	64.00	297,000
Pahang	76.15	615,000
Terengganu	101.58	457,000
Kelantan	93.32	714,000
Sabah	140.96	635,000
Sarawak	157.66	494,000

## Appendix 4.1

Semenanjung Malaysia	616.62	3,786,000
Sabah & Sarawak	298.62	1,129,000
Jumlah	915.12	4,915,000

Source: Updating of Flooding Conditions Study 2002

Appendix 4.1

No.:	FL-020	Published Year:	2007
Study/ Report Name:	Flood and Drought Management in Malaysia		
Access to Information:	<a href="http://www.met.gov.my/">http://www.met.gov.my/</a>		
Research Organization:	Ministry of Natural Resources & Environment		
Study Area (Country):	Malaysia		
Studied Hazard:	Flood		
Studied Damage/ Risk:	Area		
Main Data Sources:			
<p>Summary of the Study:</p> <p>1) Overview</p> <p>This report overviews the risks of flooding in Malaysia and introduction of structural, non-structural measures for risk and flood management. Hazard significance of flooding in Malaysia: high in terms of population affected, frequency, area extent, flood duration and social economic damage.</p> <p>2) Major floods</p> <p>1926, 1963, 1965, 1967, 1969, 1971, 1973, 1979, 1983, 1988, 1993, 1998, 2005, 2006</p> <p>3) The main cause of river flooding: heavy rainfall (monsoon or convective) and larger concentration of runoff than river capacity</p> <p>4) Recent trend</p> <p>Higher runoff and deteriorated river capacity resulting in an increase in the flood frequency and magnitude, flash flooding in urban areas (surpassing the monsoon flood) since the mid 1990's for urban areas (60% of the entire population)</p> <p>The risk management moved from quick discharge of storm-water into concrete channels, which actually increased flood damages, to an emphasis of peak discharge control at source.</p> <p>5) Institutions</p> <p>The legal basis of this shift of risk management is stipulated in Urban Stormwater Management Manual (MSMA) by DID (2000) which has superseded the Urban Drainage Planning and Design Procedure No.1 (1975).</p>			

Appendix 4.1

No.:	FL-021	Published Year:	2010
Study/ Report Name:	Flood Hazard and Risk Assessment of Hoang Long River Basin, Vietnam		
Access to Information:	<a href="http://www.mikebydhi.com/upload/mikebydhi2010/publications/P033/P033_Presentation.pdf">http://www.mikebydhi.com/upload/mikebydhi2010/publications/P033/P033_Presentation.pdf</a>		
Research Organization:	Water Resources University, Nakhon Pathom Rajabhat University (MIKE by DHI conference)		
Study Area (Country):	Vietnam		
Studied Hazard:	Flood		
Studied Damage/ Risk:	Flood map, flood risk map		
Main Data Sources:			
<p>Summary of the Study:</p> <p>This paper analyzes and estimates floods for various return periods in Nihn Binh province. Rainfall frequency analysis is conducted to obtain a maximum 7-day rainfall and to construct design hyetographs for 5, 10, 20, 50, 100 and 200 year return periods and develop flood hazard maps and flood risk maps. MIKE11 by DHI is used for analysis.</p> <p>The paper produced the following outcomes;</p> <ul style="list-style-type: none"> <li>• Simulation of the magnitudes of flood flow along the rivers and floodplains for different return periods,</li> <li>• Inundation maps in flooding areas,</li> <li>• Estimation of tangible impact on resident, agriculture and infrastructure for various return period floods,</li> <li>• Flood maps and flood risk maps.</li> </ul> <p>Assessment of flood inundation areas, damage and risk assessment due to influx of floodwater are useful for construction of structural and non-structural measures such as flood control system, building improvement and flood warning.</p> <p>This is a concise and clear technical analysis of flood hazard and risk assessment of Hoang Long river basin in Vietnam. A duplication of such studies at other river basin is useful for drawing flood management measures.</p>			



No.:	FL-022	Published Year:	2010
Study/ Report Name:	Flood Vulnerability Assessment of Downstream Area in Thach Han River Basin, Quang Tri Province		
Access to Information:	<a href="http://hmo.hus.vnu.edu.vn/file.php?file_id=459">http://hmo.hus.vnu.edu.vn/file.php?file_id=459</a>		
Research Organization:	Hanoi University of Science, Vietnam National University		
Study Area (Country):	Vietnam, Thach Han River Basin, Quang Tri Province		
Studied Hazard:	Flood		
Studied Damage/ Risk:	Area, population		
Main Data Sources:			

Summary of the Study:

1) Overview

This report combines a conventional flood analysis that focuses on physical characteristics of flood (flood depth, flood extent) with a newer approach to integrate vulnerability assessment of community and economic sectors towards flood (capacity of local communities, land use map..).

2) Area

Thach Han river basin in Quang Tri Province.

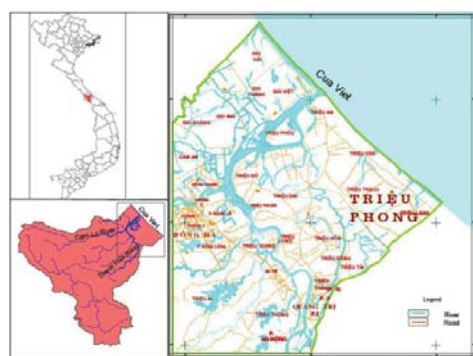


Fig 1: Location of study area

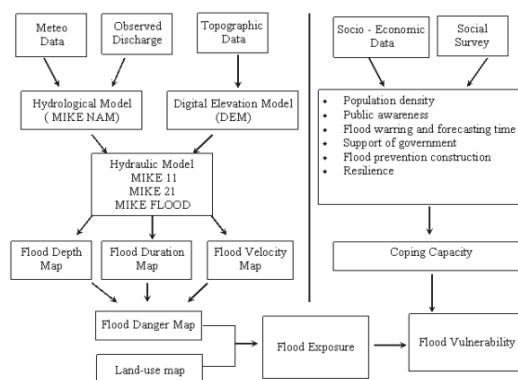


Fig 2: Conceptual framework for flood vulnerability assessment

3) Hazard map

Various flood maps and flood vulnerability matrix are produced: flood depth, duration, velocity and danger.

4) Vulnerability

Vulnerability = Exposure –Coping Capacity

Maps show level of coping factors (land-use, exposure coping capacity (institutional preparedness), vulnerability (perception).

## Appendix 4.1

No.:	FL-023	Published Year:	2010
Study/ Report Name:	Developing a National Risk Profile of Lao PDR, Part1: Hazard Assessment		
Access to Information:	<a href="http://www.gripweb.org/gripweb/sites/default/files/National%20Hazard%20Profile%20Laos%20Draft.pdf">http://www.gripweb.org/gripweb/sites/default/files/National%20Hazard%20Profile%20Laos%20Draft.pdf</a>		
Research Organization:	FAO		
Study Area (Country):	Lao PDR		
Studied Hazard:	Flood		
Studied Damage/ Risk:	Area, population, public buildings		
Main Data Sources:	Hydrological data (DoMH), Landuse (National Geographic Dept.), Elevation (Aster resolution 30 Meters), River network and catchments (Google Earth ad National Geographic Dept.) Software: ArcGIS9.3, HEC-GeoHMS, -GeoRAS, -RAS		
<p>Summary of the Study:</p> <p>1) Hazard Assessment</p> <p>Hazard Assessment is conducted with baseline data collection and scenario development and Mapping. Hazard map are developed for 8 rivers: Nan Ou, Nam Ngum, Nam Ngiap, Nam Xan, Se Bangfai, Xe Banghiang, Xe Don and Xe Kong. The return periods scenarios are 10, 50 and 100 years.</p> <p>2) Assessment Results</p> <p>The results provide flood inundation areas (sq km<sup>2</sup>) and depth by river basin, provinces and districts.</p> <ol style="list-style-type: none"> <li>Nam Ngiap River: inundation in Borikhan and Pakxan districts in Borikhamxay province, Hom district in Xaysomboun SR province)</li> <li>Nam Xan River: Borikhan, Pakxan districts in Borikhamxay province</li> <li>Nam Ou River: Mai and Khoa districts in Phogsaly province, (4 districts: Ngoy, Nambak, Pakxeng, Pak Ou) in Luang Prabang provinces</li> <li>Se Bangfai: Mahaxai, Xebangfai, Nongbok districts in Khamunae province, Xaibouri, Ataphon districts in Savannakhet.</li> <li>Xe Banghiang: (7district: Xephon, Phin, Champon, Nong, Xonbouri, Songkhon and Thapangtho) in Savannakhet province</li> <li>Xe Kong River: (9 districts: Karum, Lamam in Sekong province, Thateng, Pakxong, Sanxai, Sanamxai, Samkkhixa, Phouvong, Xaisettha in Attapeu province)</li> <li>Nam Ngum River: Borikhumxay, Vientiane, Vientiane municipality</li> <li>Xe Don River: Saravane province (5 districts), Champassack (3 districts)</li> </ol>			

Appendix 4.1

No.:	FL-024	Published Year:	2010
Study/ Report Name:	Developing a National Risk Profile of Lao PDR, Part2: Exposure, Vulnerability and Risk Assessment		
Access to Information:	<a href="http://www.gripweb.org/gripweb/sites/default/files/Lao_RiskProfile_Part2.pdf">http://www.gripweb.org/gripweb/sites/default/files/Lao_RiskProfile_Part2.pdf</a>		
Research Organization:	UNDP/ADPC		
Study Area (Country):	Lao PDR		
Studied Hazard:	Flood (multiple hazards)		
Studied Damage/ Risk:	Area, population, public buildings		
Main Data Sources:	Hydrological data (DoMH), Landuse (National Geographic Dept.), Elevation (Aster resolution 30 Meters), River network and catchments (Google Earth ad National Geographic Dept.) Software: ArcGIS9.3, HEC-GeoHMS, -GeoRAS, -RAS		
<p>Summary of the Study:</p> <p>1) Vulnerability and Risk Assessment A comprehensive vulnerability and risk assessment using secondary data. The elements exposed to flood hazard zone are human lives (population), housing, hydropower, education and health infrastructure. 100-year return period is assessed.</p> <p>2) Process Flood exposure of building and agriculture is assessed using GIS tools. The housing, education and health sectors exposure is assessed to determine the depths of flood water.</p> <p>3) Result: 100-year return period Health sector: 26 health facilities are estimated to be exposed to flooding. 12 of which are estimated to fall into the D3 (high: 36-60%) damage level. Savannakhet and Louang Phrabang are at higher damage level Housing: in Vientiane and Savannakhet, bamboos and other types of housing are D4 (very high: &gt;=61 %) damage level, many brick houses in Savannakhet are at D3 level damage risk. School: 250 schools are exposed to flooding. Savannakhet being the highest at risk (44 schools at D3) Agriculture: paddy crops do not survive when they are 12-16 days submerged under water.</p>			

Appendix 4.1

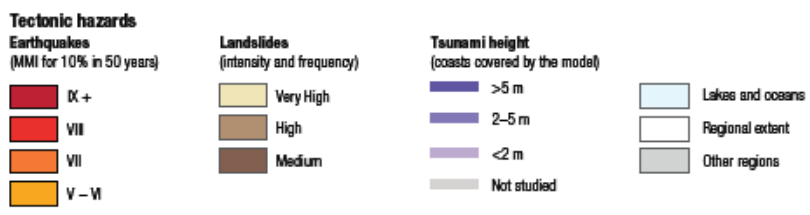
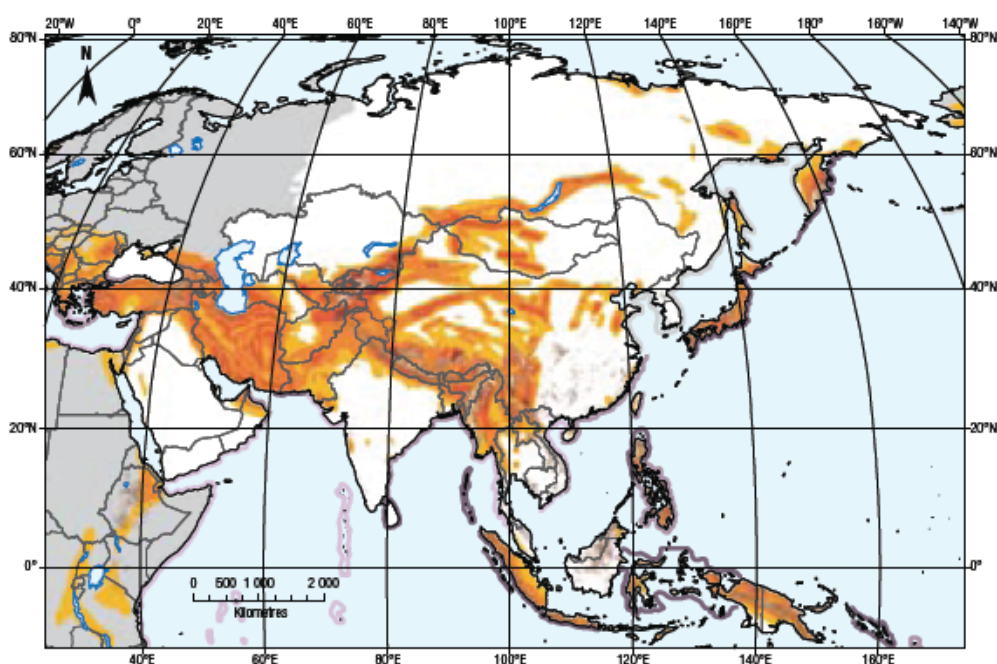
No.:	FL-025	Published Year:	2009
Study/ Report Name:	GIS Analysis for flood Mapping: Case Study; Segamat, Johor, West Malaysia		
Access to Information:	<a href="http://eprints.utm.my/1157/">http://eprints.utm.my/1157/</a>		
Research Organization:	University of Technology Malaysia		
Study Area (Country):	Malaysia		
Studied Hazard:	Flood		
Studied Damage/ Risk:	Flood		
Main Data Sources:	Hydrological data (DoMH), Landuse (National Geographic Dept.), Elevation (Aster resolution 30 Meters), River network and catchments (Google Earth ad National Geographic Dept.) Software: ArcGIS9.3, HEC-GeoHMS, -GeoRAS, -RAS		
<p>Summary of the Study:</p> <p>1) Overview</p> <p>The objective of this study is to highlight the usage of GIS tool and analysis for floodplain and flood hazard mapping. The study area is Segamat District, Johor. Floods are the most frequent natural hazard that Malaysia experiences. About 29,000km<sup>2</sup> of 9% of total land area and more than 4.82 million people (22%) is affected by flooding annually based on a report from Department of Irrigation and Drainage.</p> <p>2) Process</p> <p>Flood exposure of building and agriculture is assessed using GIS tools. The housing, education and health sectors exposure is assessed to determine the depths of flood water.</p> <p>3) Result: 100-year return period</p> <p>Health sector: 26 health facilities are estimated to be exposed to flooding. 12 of which are estimated to fall into the D3 (high: 36-60%) damage level. Savannakhet and Louang Phrabang are at higher damage level</p> <p>Housing: in Vientiane and Savannakhet, bamboos and other types of housing are D4 (very high: &gt;=61 %) damage level, many brick houses in Savannakhet are at D3 level damage risk.</p> <p>School: 250 schools are exposed to flooding. Savannakhet being the highest at risk (44 schools at D3)</p> <p>Agriculture: paddy crops do not survive when they are 12-16 days submerged under water.</p>			

Appendix 4.2

No.:	EQ_001	Published Year:	2009
Study/ Report Name:	Global assessment report on disaster risk reduction (2009) Risk and poverty in a changing climate		
Access to Information:	<a href="http://www.unisdr.org/we/inform/publications/9413">http://www.unisdr.org/we/inform/publications/9413</a>		
Research Organization:	United Nations International Strategy for Disaster Reduction Secretariat (UNISDR)		
Study Area (Country):	Worldwide		
Studied Hazard:	Tropical cyclones, Floods, Landslides, <b>Earthquakes</b> (10% in 50 years MMI), Drought, Tsunamis, Forest and other biomass fires		
Studied Damage/ Risk:	Multi-hazard risk		
Main Data Sources:			

Summary of the Study:

An observation of disaster risk patterns and trends at the global level allows a visualization of the major concentrations of risk described in the report and an identification of the geographic distribution of disaster risk across countries, trends over time and the major drivers of these patterns and trends.

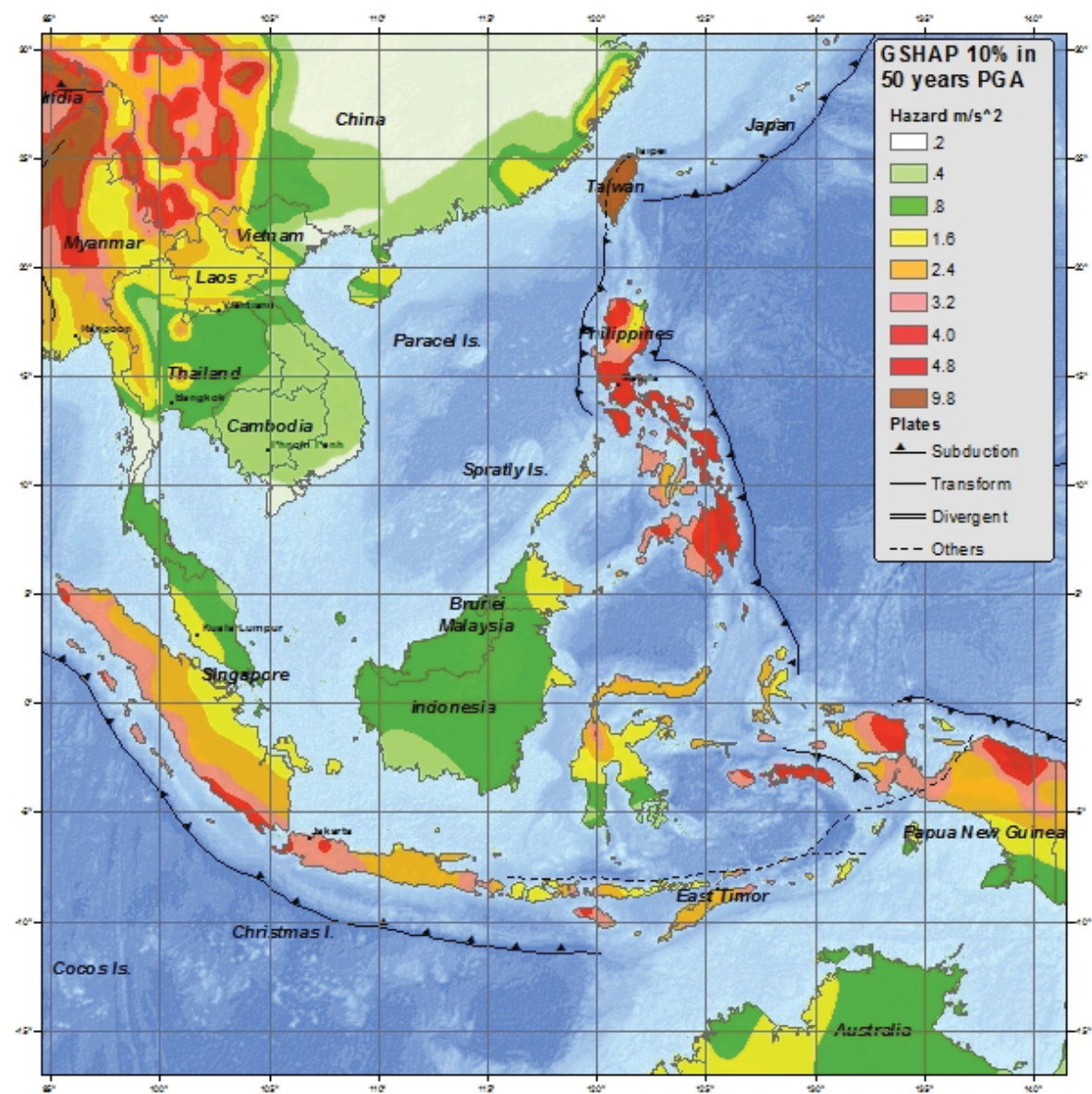




Appendix 4.2

No.:	EQ_002	Published Year:	unknown
Study/ Report Name:	Seismic Hazard Map		
Access to Information:	<a href="http://earthquake.usgs.gov/earthquakes/world/indonesia/gshap.php">http://earthquake.usgs.gov/earthquakes/world/indonesia/gshap.php</a>		
Research Organization:	GSHAP, USGS		
Study Area (Country):	ASEAN		
Studied Hazard:	Earthquake / 10% in 50 years		
Studied Damage/ Risk:			
Main Data Sources:			

Summary of the Study:

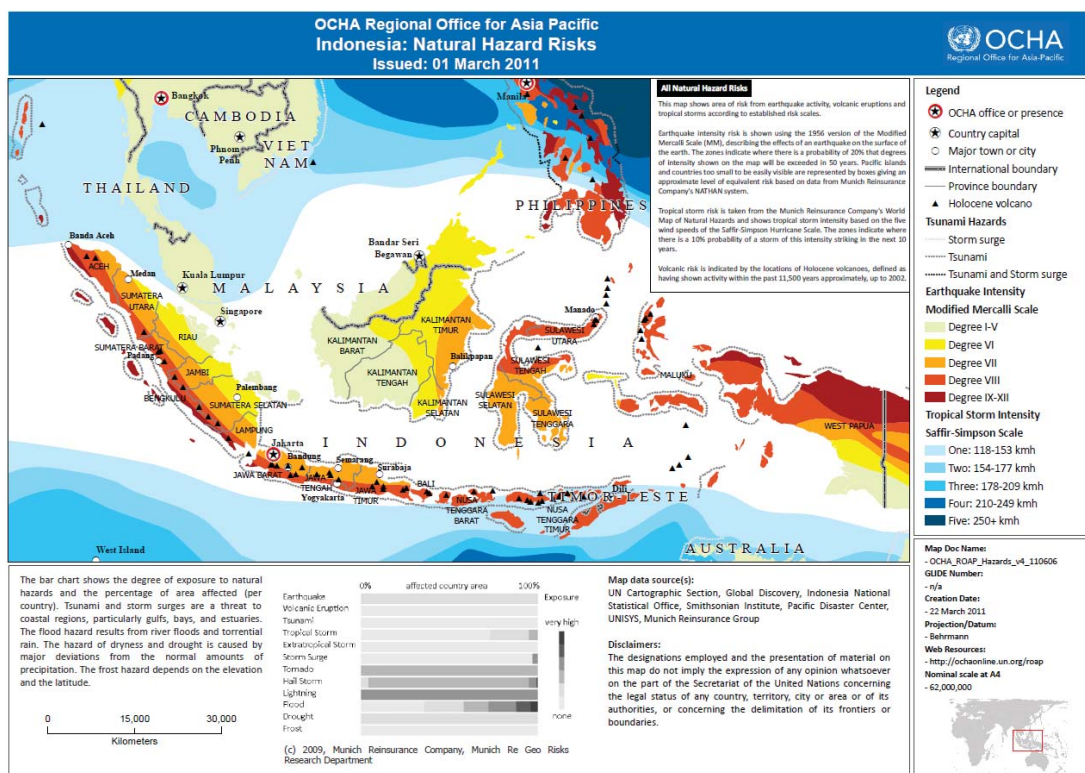


Appendix 4.2

No.:	EQ_003	Published Year:	2011
Study/ Report Name:	Indonesia: Natural Hazard Risks		
Access to Information:	<a href="http://reliefweb.int/sites/reliefweb.int/files/resources/map_1297.pdf">http://reliefweb.int/sites/reliefweb.int/files/resources/map_1297.pdf</a>		
Research Organization:	United Nations Office for the Coordination of Humanitarian Affairs Regional Office for Asia and the Pacific (OCHA-ROAP)		
Study Area (Country):	Indonesia		
Studied Hazard:	<b>Seismic, Volcanic and Tropical Storm</b>		
Studied Damage/ Risk:	All Natural Hazard Risks		
Main Data Sources:	UN Cartographic Section, Global Discovery, FAO, Smithsonian Institute, Pacific Disaster Center, UNISYS, Munich Reinsurance Group.		

Summary of the Study:

This map illustrates Indonesia's exposure to seismic, volcanic and tropical storm hazard. Earthquake intensity zones indicate where there is a 20% probability that degrees of intensity indicated will be exceeded in 50 years; tropical storm intensity zones indicate where there is a 10% probability of a storm of this intensity striking in the next 10 years. The bar chart shows the degree of exposure to natural hazards and the percentage of area affected.



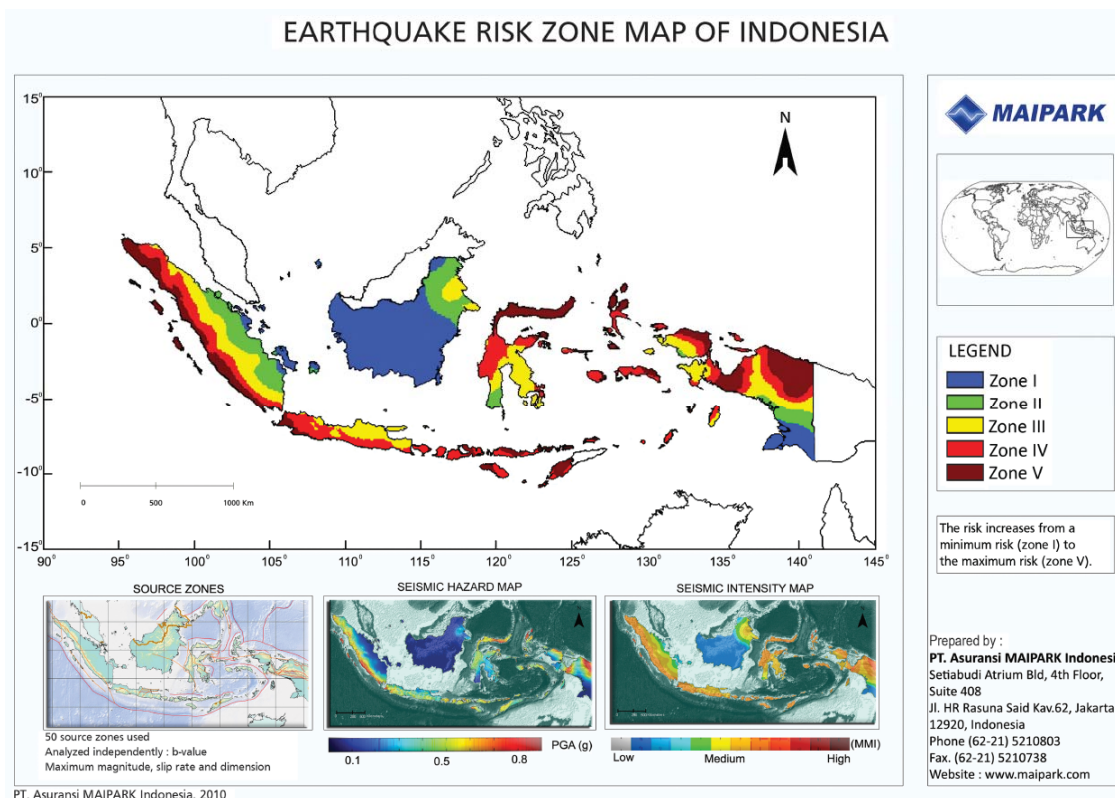
Appendix 4.2

No.:	EQ_004	Published Year:	2010
Study/ Report Name:	Earthquake Risk Zone Map of Indonesia		
Access to Information:	<a href="http://www.maipark.com/download/File/other/MAIPARK%20EQ%20Zone%202010.pdf">http://www.maipark.com/download/File/other/MAIPARK%20EQ%20Zone%202010.pdf</a>		
Research Organization:	PT. Asuransi MAIPARK		
Study Area (Country):	Indonesia		
Studied Hazard:	Earthquake Risk Zone for insurance		
Studied Damage/ Risk:			
Main Data Sources:			

Summary of the Study:

Maipark’s primary mission, as established by the Ministry of Finance, is to develop a national database on catastrophe insurance in order to provide affordable insurance premiums in line with the government regulation 73/1992, which stipulates business conduct and adequacy of premium practices.

In order to establish premium prices, it has divided the country into five earthquake zones, with the highest premiums being charged in the most dangerous zone (Zone 5). Furthermore, it is currently developing a comprehensive earthquake hazard map through a research and development project to identify all geological hazards in the country.





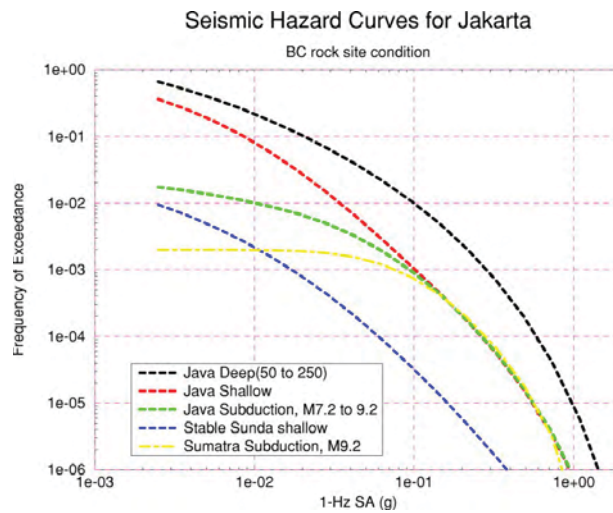


Appendix 4.2

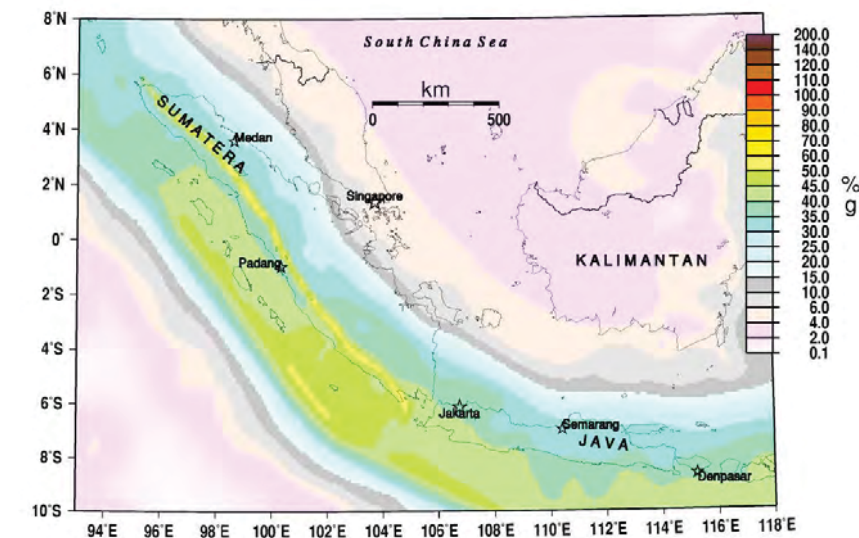
No.:	EQ_006	Published Year:	2007
Study/ Report Name:	Documentation for the Southeast Asia Seismic Hazard Maps		
Access to Information:	<a href="http://earthquake.usgs.gov/hazards/products/foreign/">http://earthquake.usgs.gov/hazards/products/foreign/</a>		
Research Organization:	USGS		
Study Area (Country):	Indonesia, Thailand, Malaysia / Jakarta, Bangkok		
Studied Hazard:	Earthquake / Probabilistic Seismic Hazard Analysis		
Studied Damage/ Risk:			
Main Data Sources:			

Summary of the Study:

The ground motion hazard for Sumatra and the Malaysian peninsula is calculated in a probabilistic framework, using procedures developed for the US National Seismic Hazard Maps.



PSHA PGA for western Indonesia PE= 10% 50 yr



**CMTI** Aug 17 09:08 | August 2007 USGS PSHA for western Indonesia PGA, 10% in 50 years PE.

No.:	EQ_007	Published Year:	2006
Study/ Report Name:	Preliminary Damage and Loss Assessment: Yogyakarta and Central Java Natural Disaster		
Access to Information:	<a href="http://www.adb.org/publications/preliminary-damage-and-loss-assessment-yogyakarta-and-central-java-natural-disaster">http://www.adb.org/publications/preliminary-damage-and-loss-assessment-yogyakarta-and-central-java-natural-disaster</a>		
Research Organization:	Asian Development Bank		
Study Area (Country):	Indonesia, Yogyakarta and Central Java		
Studied Hazard:	Earthquake, Tsunami		
Studied Damage/ Risk:	Mortality risk, GDP		
Main Data Sources:			

#### Summary of the Study:

This report presents a preliminary assessment of the damage and losses caused by the earthquake. The assessment used the international standard methodology for measuring disasters, and draws upon some of the best experts in the world. The report provides the Government and the international community a clearer understanding of the impact of the disaster, and a basis for designing reconstruction and recovery programs. The report was prepared under the leadership of BAPPENAS, supported by a strong team of Indonesian and international specialists.

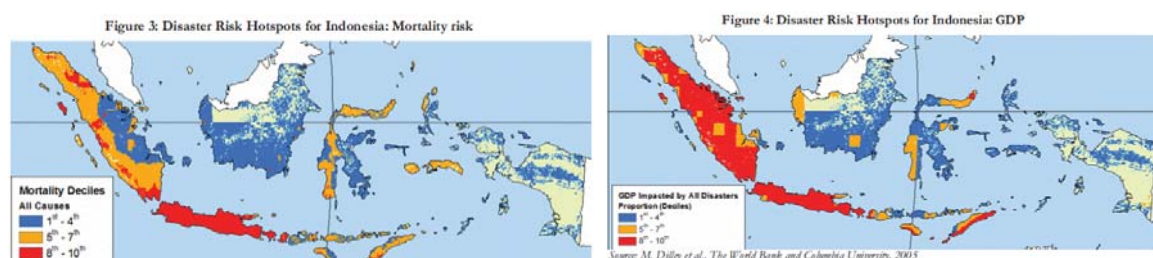


Table 8: Summary of Damage and Losses (Rp Billion)

	Disaster Effects			Ownership	
	Damage	Losses	Total	Private	Public
Housing	13,915	1,382	15,296	15,296	0
Infrastructure	397	154	551	76	476
Transport and Communications	90	0	90	0	90
Energy	225	150	375	0	375
Water and Sanitation	82	4	86	76	10
Social Sectors	3,906	77	3,982	2,112	1,870
Education	1,683	56	1,739	584	1,154
Health and Social Protection	1,569	21	1,590	1,030	560
Culture and Religion	654	0	654	498	156
Productive Sectors	4,348	4,676	9,025	8,854	170
Agriculture	66	640	705	700	5
Trade	184	120	303	138	165
Industry	4,063	3,899	7,962	7,962	0
Tourism	36	18	54	54	0
Cross-Sectoral	185	110	295	48	247
Government	137	0	137	0	137
Banking and Finance	48	0	48	48	0
Environment	0	110	110	0	110
<b>Total</b>	<b>22,751</b>	<b>6,398</b>	<b>29,149</b>	<b>26,386</b>	<b>2,763</b>
Total, million US\$	2,446	688	3,134	2,837	297

Source: Estimates by Joint Assessment Team

No.:	EQ_008	Published Year:	unknown
Study/ Report Name:	Indonesia Earthquake Information		
Access to Information:	<a href="http://earthquake.usgs.gov/earthquakes/world/?region=Indonesia">http://earthquake.usgs.gov/earthquakes/world/?region=Indonesia</a>		
Research Organization:	USGS, GSHAP		
Study Area (Country):	Indonesia (Southeast Asia)		
Studied Hazard:	Earthquake / seismic hazard, earthquake density etc.		
Studied Damage/ Risk:			
Main Data Sources:			

Summary of the Study:

Historic Information

Institutions

- Badan Meteorologi dan Geofisika - BMG
- ASEAN Earthquake Information Center
- Volcanological Survey of Indonesia

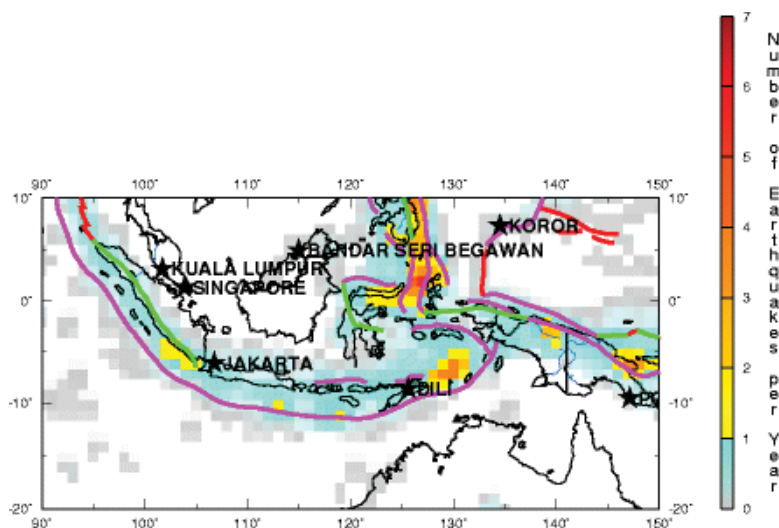
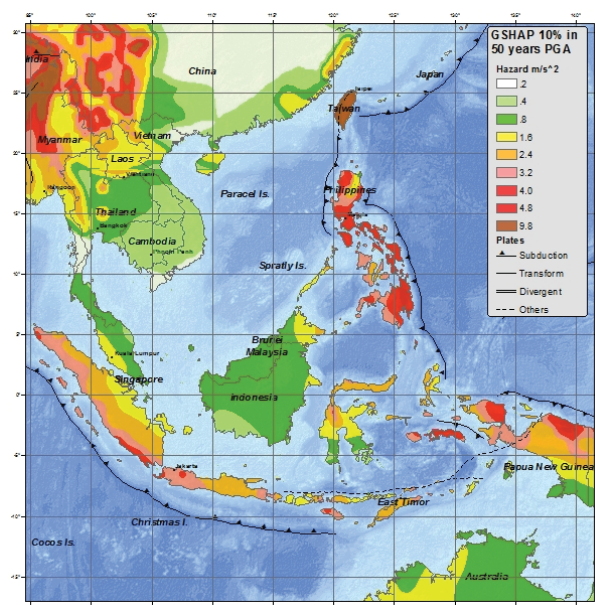
Maps

- Seismic Hazard Map of Indonesia
- Earthquake Density Map
- Seismicity Map of Indonesia

Notable Earthquakes

Recent Earthquakes

Tectonic Information



Number of Earthquakes per Year, Magnitude 5 and Greater, All Depths  
 Major Tectonic Boundaries: Subduction Zones -purple, Ridges -red and Transform Faults -green





Appendix 4.2

No.:	EQ_009	Published Year:	continuously-updated
Study/ Report Name:	Peta Tematik (Thematic Map), Gempa (Earthquake)		
Access to Information:	<a href="http://geospasial.bnpb.go.id/category/peta-tematik/gempa/">http://geospasial.bnpb.go.id/category/peta-tematik/gempa/</a>		
Research Organization:	Badan Nasional Penanggulangan Bencana (BNPB) National Agency for Disaster Management		
Study Area (Country):	Indonesia		
Studied Hazard:	Shake map (MMI), 2009 - present		
Studied Damage/ Risk:			
Main Data Sources:	MMI (USGS)		






Summary of the Study:

Maps are open on the web site of BNPB

**Legenda/Legend**

 Pusat Gempa (BMKG)  
 Pusat Gempa (USGS)

**Getaran Dirasakan (Skala MMI - USGS)**

	< 3
	3
	4
	5
	> 5.5

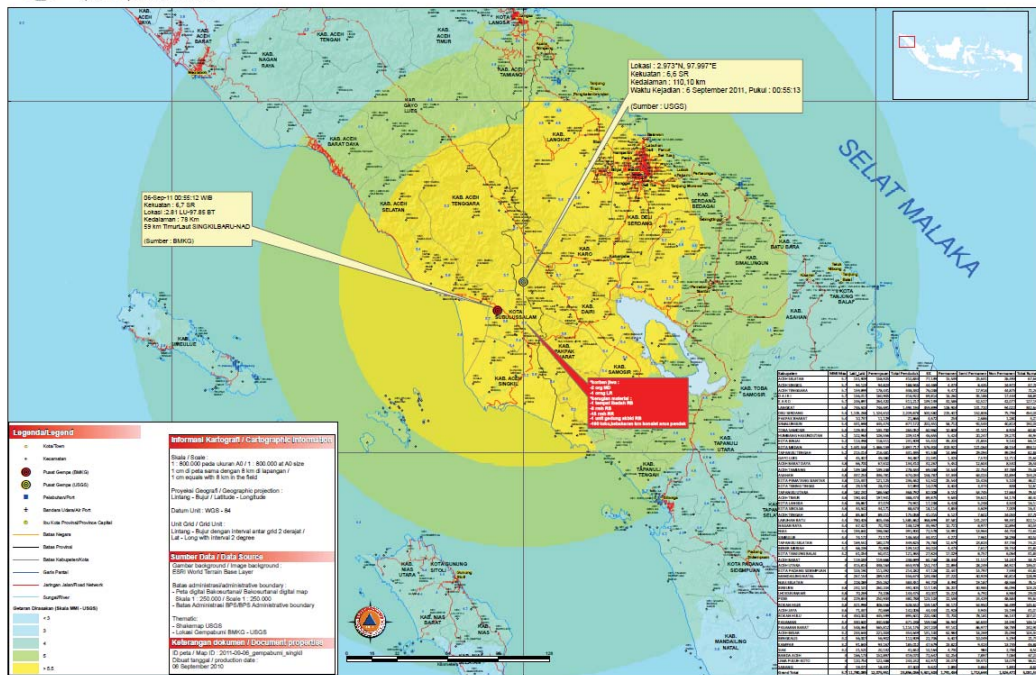
**Sumber Data / Data Source**

Gambar background / Image background :  
ESRI World Terrain Base Layer

Batas administrasi/administrative boundary :  
- Peta digital Bakosurtanal/ Bakosurtanal digital map  
Skala 1 : 250.000 / Scale 1 : 250.000  
- Batas Administrasi BPS/BPS Administrative boundary

Thematic:  
- Shakemap USGS  
- Lokasi Gempabumi BMKG - USGS

**PETA KEJADIAN BENCANA GEMPABUMI DI KAB. ACEH SINGKIL, PROVINSI ACEH**  
Gempabumi dirasakan (dalam skala MMI) dan Jumlah Penduduk Terpapar  
Update : 06 September 2011 / 12:40 WIB



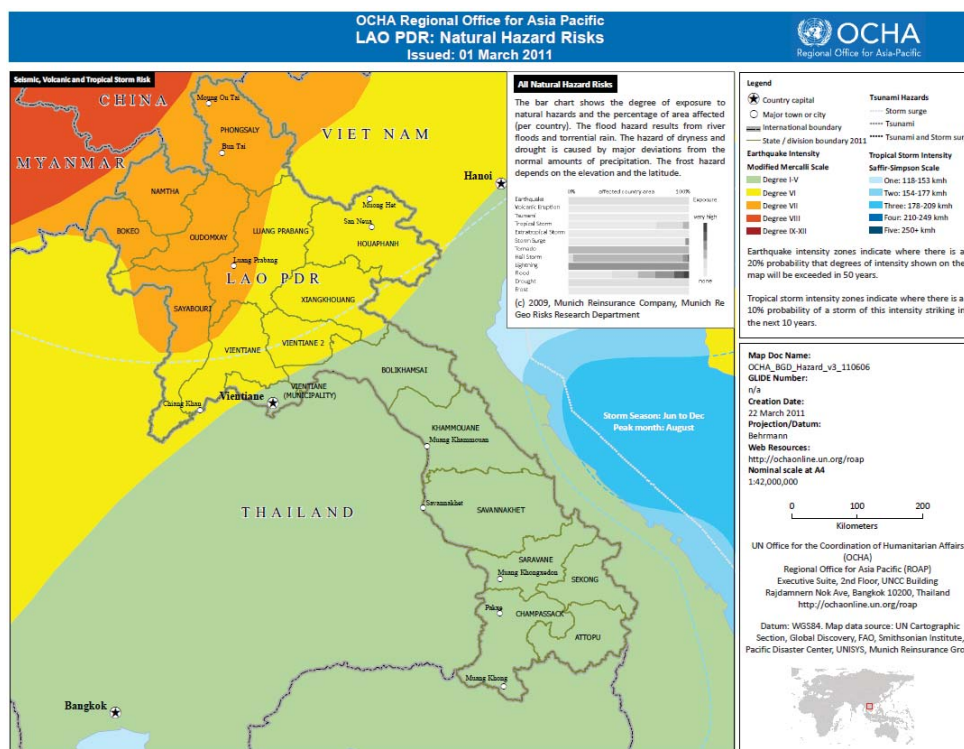
No.:	EQ_010	Published Year:	2011
Study/ Report Name:	LAO PDR: Natural Hazard Risks		
Access to Information:	<a href="http://reliefweb.int/sites/reliefweb.int/files/resources/OCHA_LA_O_Hazard_v3_110606.pdf">http://reliefweb.int/sites/reliefweb.int/files/resources/OCHA_LA_O_Hazard_v3_110606.pdf</a>		
Research Organization:	United Nations Office for the Coordination of Humanitarian Affairs Regional Office for Asia and the Pacific (OCHA-ROAP)		
Study Area (Country):	Laos		
Studied Hazard:	<b>Seismic, Volcanic and Tropical Storm</b>		
Studied Damage/ Risk:	All Natural Hazard Risks		
Main Data Sources:	UN Cartographic Section, Global Discovery, FAO, Smithsonian Institute, Pacific Disaster Center, UNISYS, Munich Reinsurance Group.		

Summary of the Study:

Earthquake intensity zones indicate where there is a 20% probability that degrees of intensity shown on the map will be exceeded in 50 years.

Tropical storm intensity zones indicate where there is a 10% probability of a storm of this intensity striking in the next 10 years.

The bar chart shows the degree of exposure to natural hazards and the percentage of area affected.



The names shown and the designations used on this map do not imply official endorsement or acceptance by the United Nations

No.:	EQ_011	Published Year:	2010
Study/ Report Name:	DEVELOPING A NATIONAL RISK PROFILE OF LAO PDR		
Access to Information:	<a href="http://www.gripweb.org/gripweb/?q=countries-risk-information/disaster-risk-profiles/national-risk-profile-laos">http://www.gripweb.org/gripweb/?q=countries-risk-information/disaster-risk-profiles/national-risk-profile-laos</a>		
Research Organization:	UNDP, GRIP		
Study Area (Country):	18 Provinces / Laos		
Studied Hazard:	<b>Earthquakes</b> , Floods, Landslides, Epidemics, Unexploded ordnances (UXOs), Drought and Storms		
Studied Damage/ Risk:	<b>Earthquake</b> , Flood, Storm, Drought		
Main Data Sources:	NDMA Laos, PTI Laos, UNDP Laos, ADPC, GRIP, UNDP		

Summary of the Study:

This report provides analyses and assessments of seven potential hazards in Lao PDR. The seven hazards include earthquakes, floods, landslides, epidemics, unexploded ordnances (UXOs), drought and storms.

The Report consists of a Hazard profile and Exposure, Vulnerability and Risk Assessment (EVRA) profile. The first step of a risk assessment is to evaluate the elements at risk exposed to different hazards. The exposure can be defined as the total value of elements at risk. Elements at risk defined in this study are population, housing, transportation, health and education infrastructure, hydropower and agriculture which are exposed to hazards in a given area.

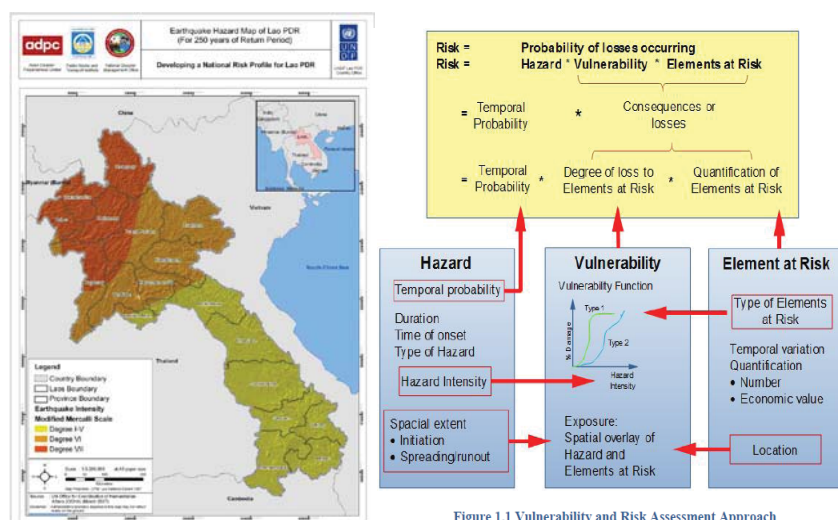


Figure 1.1 Vulnerability and Risk Assessment Approach

Table 1.2 Scope of EVRA for Various Hazards with Their Severity

Type of Hazard	Criteria to be considered for EVRA
1. Earthquake	For 250-year return periods which divides the country into three zones (MMI scale)
2. Flood	100-year return periods where the area is categorized as inundated area with water level > 2 m
3. Drought	Dry season - Moderate to extreme drought susceptibility where its area falls under 20 percent or above probability of having drought
4. Storm	50-year return periods where the area is categorized as class 2 and class 3



Appendix 4.2

No.:	EQ_012	Published Year:	unknown
Study/ Report Name:	Malaysia Earthquake Information		
Access to Information:	<a href="http://earthquake.usgs.gov/earthquakes/world/?region=Malaysia">http://earthquake.usgs.gov/earthquakes/world/?region=Malaysia</a>		
Research Organization:	GSHAP, USGS		
Study Area (Country):	Malaysia		
Studied Hazard:	Earthquake / 10% in 50 years PGA		
Studied Damage/ Risk:			
Main Data Sources:			

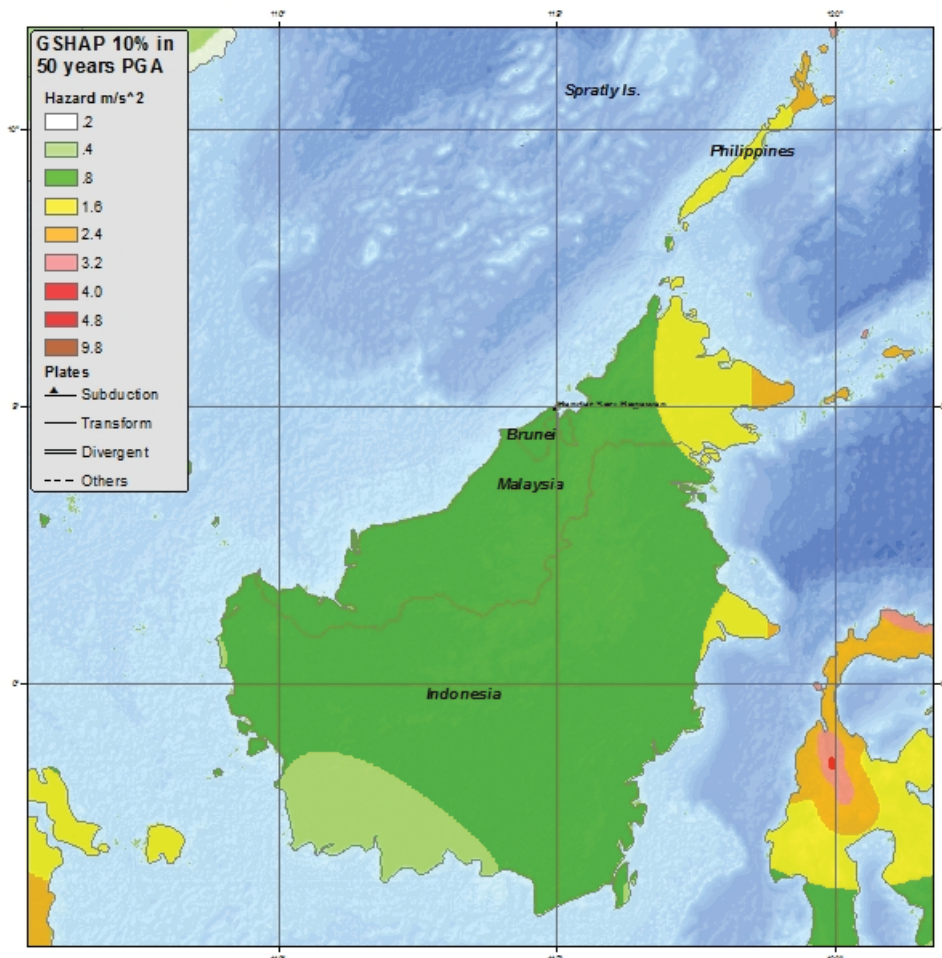
Summary of the Study:

Institutions

- Malaysian Meteorological Service

Maps

- Seismic Hazard Map of Malaysia
- Seismicity Map of Malaysia



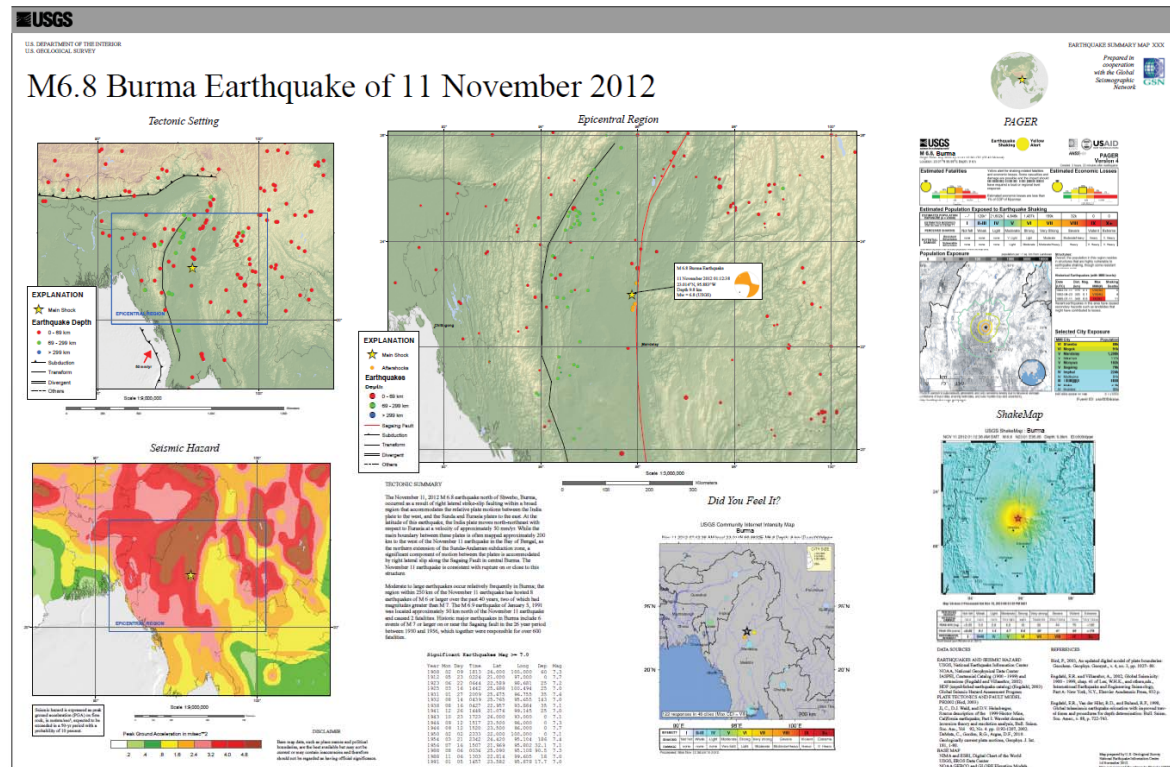


Appendix 4.2

No.:	EQ_013	Published Year:	2012
Study/ Report Name:	M6.8 Burma Earthquake of 11 November 2012		
Access to Information:	<a href="http://earthquake.usgs.gov/earthquakes/eqarchives/poster/2012/20121111.php">http://earthquake.usgs.gov/earthquakes/eqarchives/poster/2012/20121111.php</a>		
Research Organization:	USGS		
Study Area (Country):	Myanmar		
Studied Hazard:	Earthquake / seismic intensity map		
Studied Damage/ Risk:			
Main Data Sources:	USGS, National Earthquake Information Center, NOAA, National Geophysical Data Center, IASPEI		

Summary of the Study:

The epicenter and seismic intensity (MMI) map of the M6.8 Burma Earthquake of 11 November 2012 and related tectonic information are summarized in the poster.



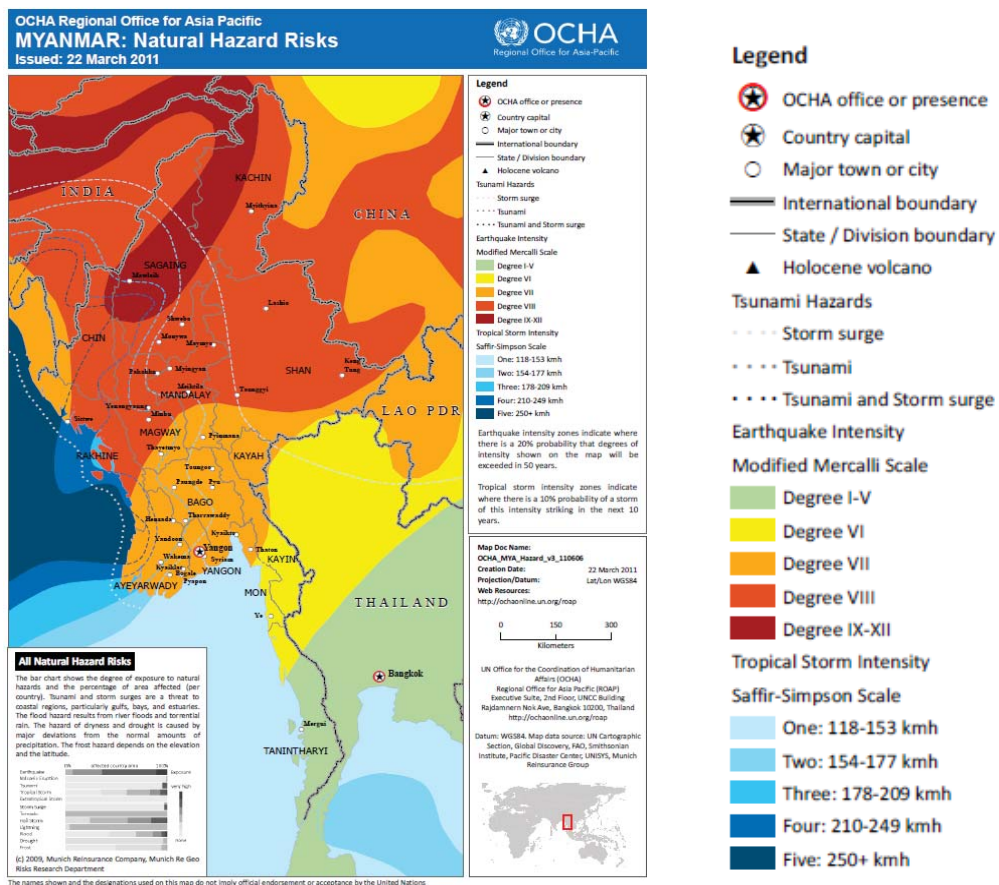
No.:	EQ_014	Published Year:	2011
Study/ Report Name:	MYANMAR: Natural Hazard Risks		
Access to Information:	<a href="http://reliefweb.int/sites/reliefweb.int/files/resources/map_1303.pdf">http://reliefweb.int/sites/reliefweb.int/files/resources/map_1303.pdf</a>		
Research Organization:	United Nations Office for the Coordination of Humanitarian Affairs Regional Office for Asia and the Pacific (OCHA-ROAP)		
Study Area (Country):	Myanmar		
Studied Hazard:	<b>Seismic</b> , Volcanic and Tropical Storm		
Studied Damage/ Risk:	All Natural Hazard Risks		
Main Data Sources:	UN Cartographic Section, Global Discovery, FAO, Smithsonian Institute, Pacific Disaster Center, UNISYS, Munich Reinsurance Group.		

**Summary of the Study:**

Earthquake intensity zones indicate where there is a 20% probability that degrees of intensity shown on the map will be exceeded in 50 years.

Tropical storm intensity zones indicate where there is a 10% probability of a storm of this intensity striking in the next 10 years.

The bar chart shows the degree of exposure to natural hazards and the percentage of area affected.

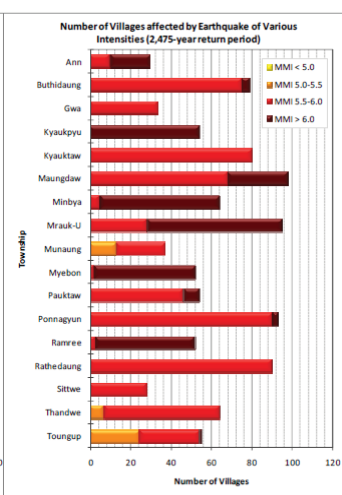
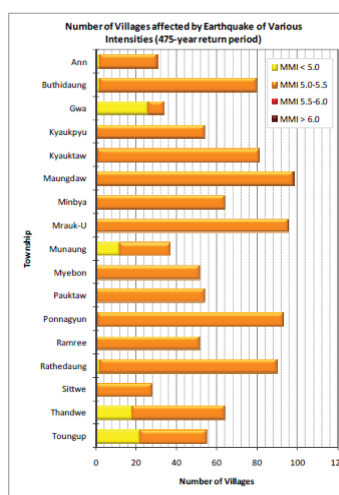
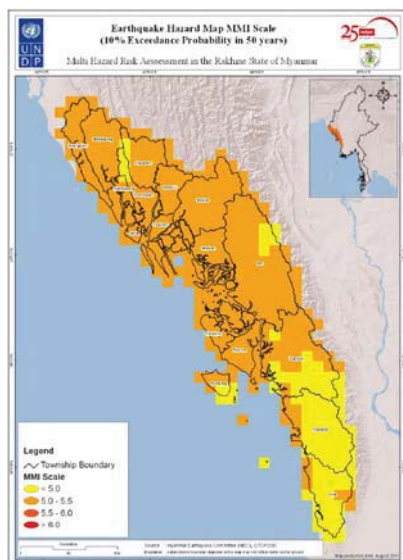


Appendix 4.2

No.:	EQ_015	Published Year:	2011
Study/ Report Name:	Multi-hazard Risk Assessment in the Rakhine State of Myanmar		
Access to Information:	<a href="http://www.gripweb.org/gripweb/?q=countries-risk-information/disaster-risk-profiles/multi-hazard-risk-assessment-rakhine-state-myanmar">http://www.gripweb.org/gripweb/?q=countries-risk-information/disaster-risk-profiles/multi-hazard-risk-assessment-rakhine-state-myanmar</a>		
Research Organization:	UNDP, GRIP		
Study Area (Country):	Rakhine State of Myanmar		
Studied Hazard:	Cyclone, Storm Surge, Flood, Landslide, Fire, <b>Earthquake</b> , Tsunami		
Studied Damage/ Risk:			
Main Data Sources:	UNDP Myanmar, ADPC, GRIP, UNDP		

Summary of the Study:

The report focuses on the assessment of the priority hazard types in Rakhine State. Hazard assessment is an essential first step of the overall risk assessment process. The result of analysis is usually presented in the form of maps portraying the intensity and probability of hazards in a given geographical location. Hazard maps can be applied in many ways. A risk assessment undertaking will quantify and locate the natural hazard risk in the state and will facilitate an integration of the calculated risk information in the making of disaster risk reduction and development plans of the state. The exposure analysis and risk profiles are described, in detail.



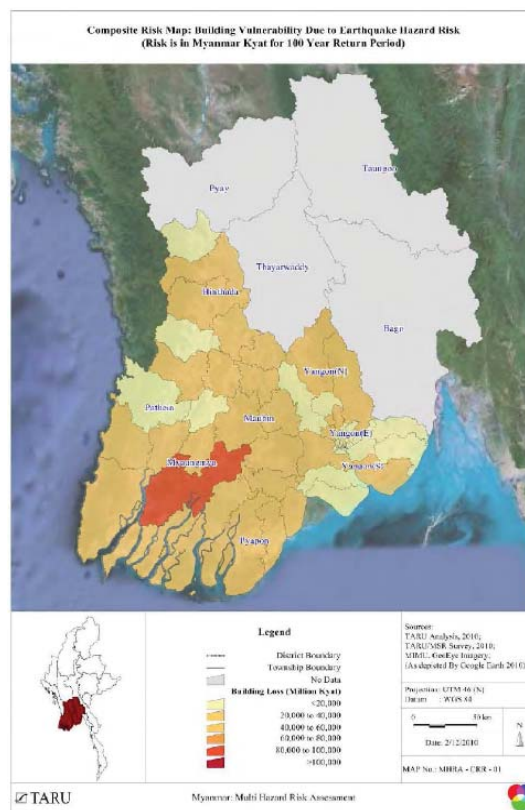
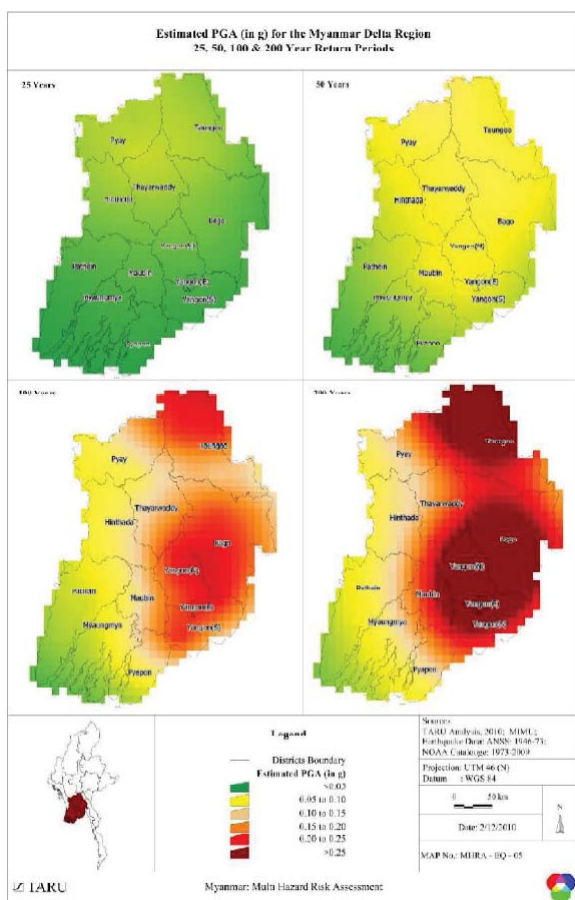
Appendix 4.2

No.:	EQ_016	Published Year:	2011
Study/ Report Name:	Multi-hazard Risk Assessment in Nargis Affected Areas, Myanmar		
Access to Information:	<a href="http://www.gripweb.org/gripweb/?q=countries-risk-information/disaster-risk-profiles/multi-hazard-risk-assessment-nargis-affected-areas">http://www.gripweb.org/gripweb/?q=countries-risk-information/disaster-risk-profiles/multi-hazard-risk-assessment-nargis-affected-areas</a>		
Research Organization:	UNDP, GRIP		
Study Area (Country):	Town in Nargis State of Myanmar		
Studied Hazard:	<b>Earthquake</b> , Tsunami, Cyclone, Storm Surge, Flood, Climate Change		
Studied Damage/ Risk:	Composite Risk		
Main Data Sources:	UNDP Myanmar, ADPC, GRIP, UNDP		

Summary of the Study:

This study covered the Ayeyarwady Delta, including parts of Yangon and Bago regions that were also impacted by Cyclone Nargis, aiming at investigating the vulnerability of the communities in the study area by various hazards. The study identified what natural hazards could affect the region, and its vulnerabilities in relation to these phenomena.

The composite risk assessment is also undertaken in the study.





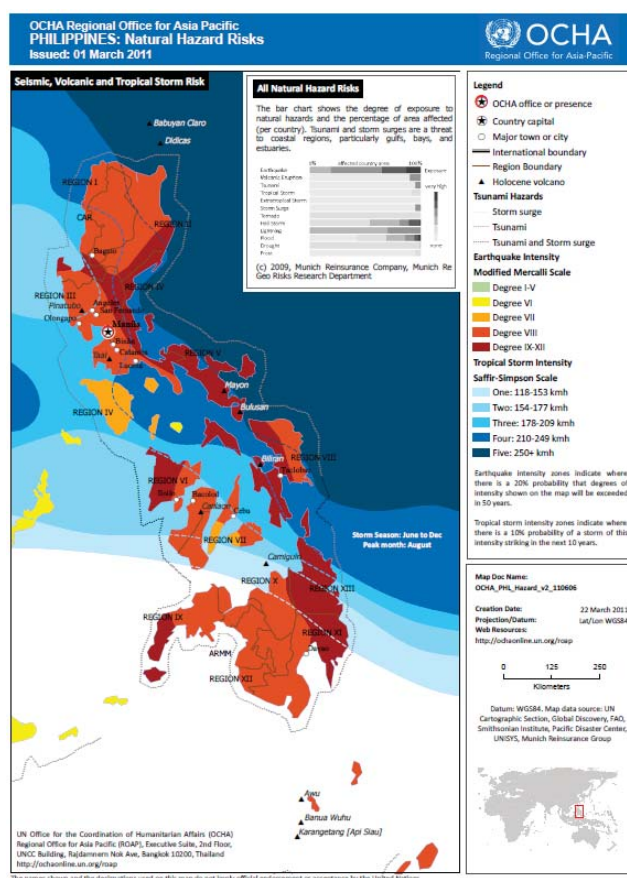
No.:	EQ_017	Published Year:	2011
Study/ Report Name:	PHILIPPINES: Natural Hazard Risks		
Access to Information:	<a href="http://reliefweb.int/sites/reliefweb.int/files/resources/map_1301.pdf">http://reliefweb.int/sites/reliefweb.int/files/resources/map_1301.pdf</a>		
Research Organization:	United Nations Office for the Coordination of Humanitarian Affairs Regional Office for Asia and the Pacific (OCHA-ROAP)		
Study Area (Country):	Philippines		
Studied Hazard:	<b>Seismic, Volcanic and Tropical Storm</b>		
Studied Damage/ Risk:	All Natural Hazard Risks		
Main Data Sources:	UN Cartographic Section, Global Discovery, FAO, Smithsonian Institute, Pacific Disaster Center, UNISYS, Munich Reinsurance Group.		

Summary of the Study:

Earthquake intensity zones indicate where there is a 20% probability that degrees of intensity shown on the map will be exceeded in 50 years.

Tropical storm intensity zones indicate where there is a 10% probability of a storm of this intensity striking in the next 10 years.

The bar chart shows the degree of exposure to natural hazards and the percentage of area affected.



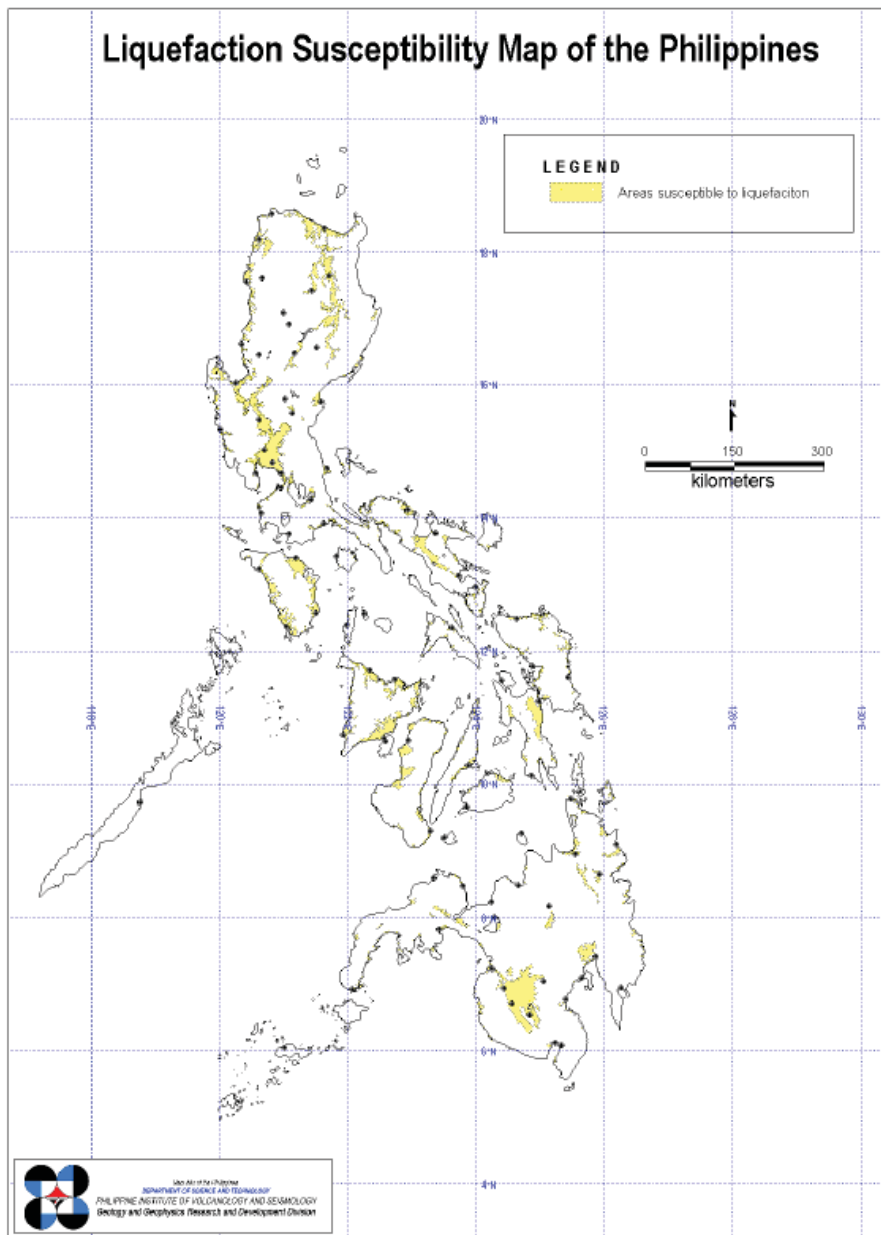
- Legend**
- OCHA office or presence
  - Country capital
  - Major town or city
  - International boundary
  - Region Boundary
  - Holocene volcano
- Tsunami Hazards**
- Storm surge
  - Tsunami
  - Tsunami and Storm surge
- Earthquake Intensity Modified Mercalli Scale**
- Degree I-V
  - Degree VI
  - Degree VII
  - Degree VIII
  - Degree IX-XII
- Tropical Storm Intensity Saffir-Simpson Scale**
- One: 118-153 kmh
  - Two: 154-177 kmh
  - Three: 178-209 kmh
  - Four: 210-249 kmh
  - Five: 250+ kmh

Appendix 4.2

No.:	EQ_018	Published Year:	unknown
Study/ Report Name:	Liquefaction Susceptibility Map of the Philippines		
Access to Information:	<a href="http://www.phivolcs.dost.gov.ph/images/liqefaction/liqn_phils.gif">http://www.phivolcs.dost.gov.ph/images/liqefaction/liqn_phils.gif</a>		
Research Organization:	Philippine Institute of Volcanology and Seismology (PHIVOLCS)		
Study Area (Country):	Philippines		
Studied Hazard:	Liquefaction		
Studied Damage/ Risk:			
Main Data Sources:			

Summary of the Study:

Maps are open on the web site of PHIVOLCS



Appendix 4.2

No.:	EQ_019	Published Year:	unknown
Study/ Report Name:	Philippines Earthquake Information		
Access to Information:	<a href="http://earthquake.usgs.gov/earthquakes/world/?region=Philippines">http://earthquake.usgs.gov/earthquakes/world/?region=Philippines</a>		
Research Organization:	USGS, GSHAP		
Study Area (Country):	Philippines		
Studied Hazard:	Earthquake / seismic hazard, earthquake density etc.		
Studied Damage/ Risk:			
Main Data Sources:			

Summary of the Study:

Historic Information

Institutions

- Philippine Institute of Volcanology and Seismology: PHIVOLCS
- Seismological Observation and Earthquake Prediction Division: SOEPD

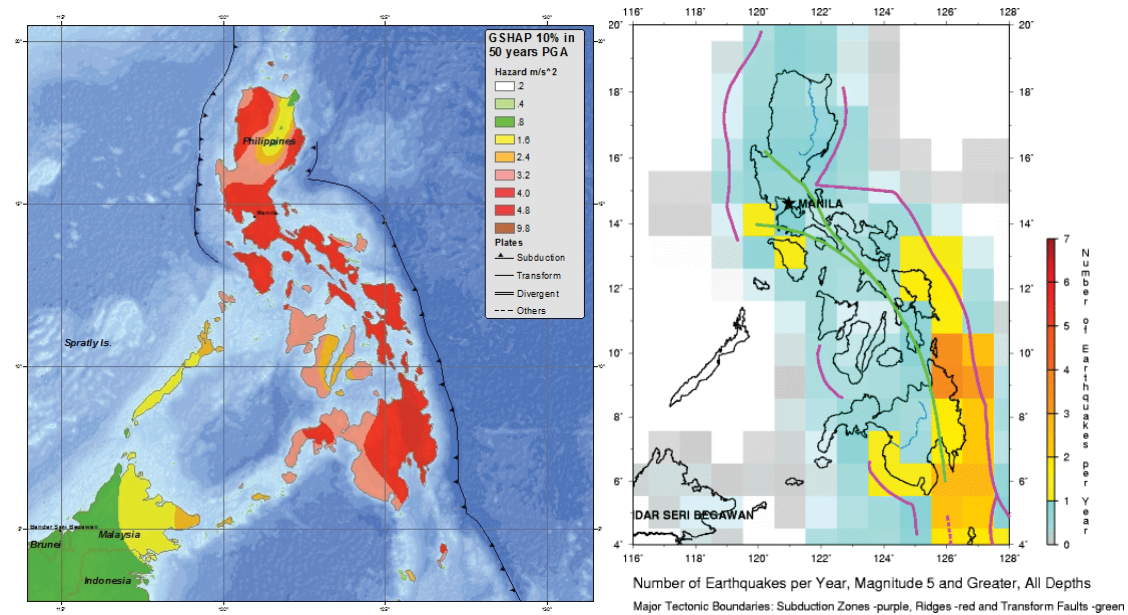
Maps


- Seismic Hazard Map of the Philippines
- Earthquake Density Map
- Seismicity Map of the Philippines

Notable Earthquakes

Recent Earthquakes

Tectonic Information



No.:	EQ_020	Published Year:	2008
Study/ Report Name:	READY Project Multihazard Maps		
Access to Information:	<a href="http://www.phivolcs.dost.gov.ph/index.php?option=com_content&amp;view=article&amp;id=465&amp;Itemid=500028">http://www.phivolcs.dost.gov.ph/index.php?option=com_content&amp;view=article&amp;id=465&amp;Itemid=500028</a>		
Research Organization:	Philippine Institute of Volcanology and Seismology (PHIVOLCS)		
Study Area (Country):	27 high risk provinces of Philippines		
Studied Hazard:	<b>Ground Shaking</b> , Liquefaction, Tsunami, Volcano Earthquake-induced landslide, Ground Rupture		
Studied Damage/ Risk:			
Main Data Sources:			
Summary of the Study:			
<p>The main aim of the <b>READY*</b> project is to address the problem of disaster risk management (DRM) at the local level. The targets are selected 27 high risk Philippine provinces. The project has three components:</p> <p><b>* Hazards Mapping and Assessment for Effective Community-Based Disaster Risk Management</b></p> <ol style="list-style-type: none"> <li>1) Multi-hazard and risk assessment,</li> <li>2) Community-based disaster risk mitigation through development of community-based early warning system (CBEWS) and conduct of information, education and communication (IEC) campaigns</li> <li>3) Mainstreaming disaster risk reduction into the local development.</li> </ol>			
<p><b>READY Project Multihazard Maps</b>  </p> <p>Thursday, 08 May 2008 20:31</p> <p><b>» Aurora Province</b></p>  <p>Earthquake-induced landslide    Ground Rupture    Ground Shaking    Liquefaction    Tsunami</p>			

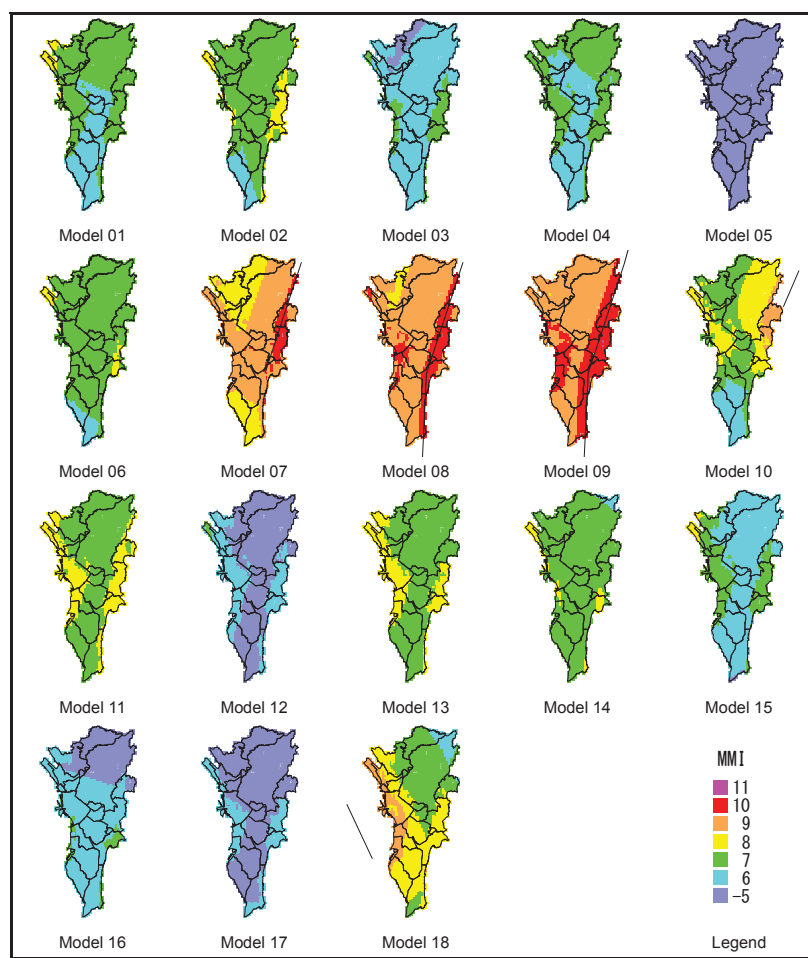


Appendix 4.2

No.:	EQ_021	Published Year:	2004
Study/ Report Name:	Earthquake Impact Reduction Study for Metropolitan Manila, Republic of the Philippines		
Access to Information:	<a href="http://www.phivolcs.dost.gov.ph/index.php?option=com_content&amp;view=article&amp;id=419:mmeirs&amp;catid=66">http://www.phivolcs.dost.gov.ph/index.php?option=com_content&amp;view=article&amp;id=419:mmeirs&amp;catid=66</a>		
Research Organization:	JICA		
Study Area (Country):	Metropolitan Manila, Philippines		
Studied Hazard:	Earthquake, Tsunami		
Studied Damage/ Risk:	Building, Lifeline, Bridge, Casualties, Fire, Earthquake Damage Scenario		
Main Data Sources:	PHIVOLCS, MMDA, National Statistics Office, DPWH		

Summary of the Study:

In this report, the hazards and damages in Metro Manila by the scenario earthquakes are assessed. The studied hazards are ground motion by the earthquake, liquefaction potential, slope stability and tsunami height. The damage of buildings, public facilities, high-rise buildings, human casualties, fire outbreak and spreading, water supply, electric power cable, telecommunication cable, bridge and flyover, port, airport are analyzed.

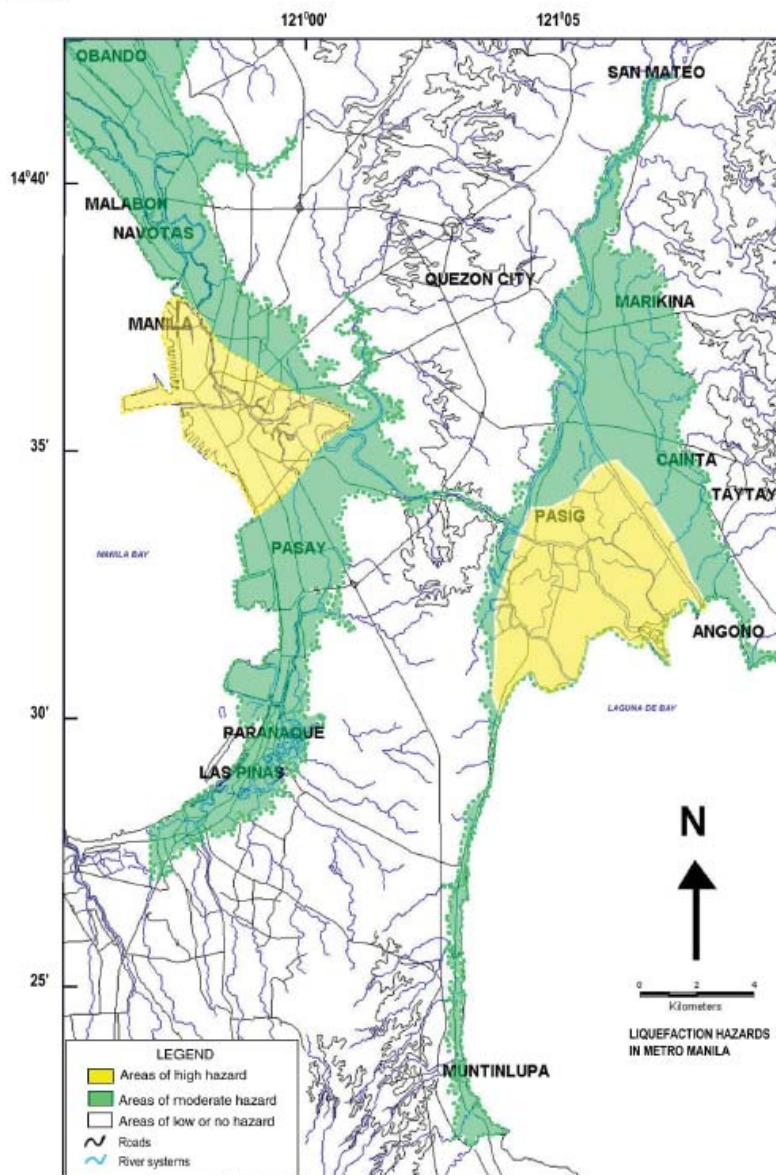


Appendix 4.2

No.:	EQ_022	Published Year:	2001
Study/ Report Name:	Liquefaction Hazard Map of Metro Manila		
Access to Information:	<a href="http://www.phivolcs.dost.gov.ph/images/liquefaction/liqhaz_mmla_2001.pdf">http://www.phivolcs.dost.gov.ph/images/liquefaction/liqhaz_mmla_2001.pdf</a>		
Research Organization:	Philippine Institute of Volcanology and Seismology (PHIVOLCS)		
Study Area (Country):	Metropolitan Manila of Philippines		
Studied Hazard:	Liquefaction		
Studied Damage/ Risk:			
Main Data Sources:			

Summary of the Study:

Maps are open on the web site of PHIVOLCS



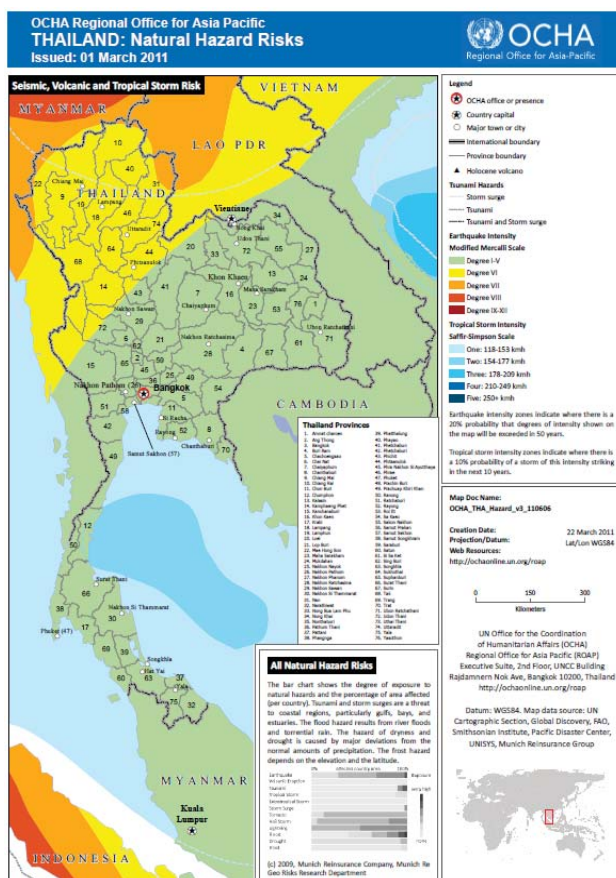
No.:	EQ_023	Published Year:	2011
Study/ Report Name:	THAILAND: Natural Hazard Risks		
Access to Information:	<a href="http://reliefweb.int/sites/reliefweb.int/files/resources/map_1300.pdf">http://reliefweb.int/sites/reliefweb.int/files/resources/map_1300.pdf</a>		
Research Organization:	United Nations Office for the Coordination of Humanitarian Affairs Regional Office for Asia and the Pacific (OCHA-ROAP)		
Study Area (Country):	Thailand		
Studied Hazard:	Seismic, Volcanic and Tropical Storm		
Studied Damage/ Risk:	All Natural Hazard Risks		
Main Data Sources:	UN Cartographic Section, Global Discovery, FAO, Smithsonian Institute, Pacific Disaster Center, UNISYS, Munich Reinsurance Group.		

Summary of the Study:

Earthquake intensity zones indicate where there is a 20% probability that degrees of intensity shown on the map will be exceeded in 50 years.

Tropical storm intensity zones indicate where there is a 10% probability of a storm of this intensity striking in the next 10 years.

The bar chart shows the degree of exposure to natural hazards and the percentage of area affected.



**Legend**

- OCHA office or presence
- Country capital
- Major town or city
- International boundary
- Province boundary
- Holocene volcano

**Tsunami Hazards**

- Storm surge
- Tsunami
- Tsunami and Storm surge

**Earthquake Intensity Modified Mercalli Scale**

- Degree I-V
- Degree VI
- Degree VII
- Degree VIII
- Degree IX-XII

**Tropical Storm Intensity Saffir-Simpson Scale**

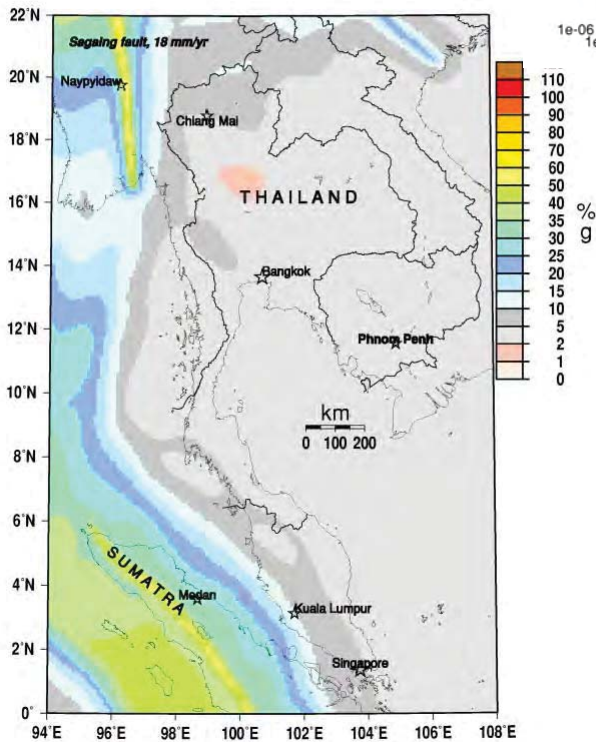
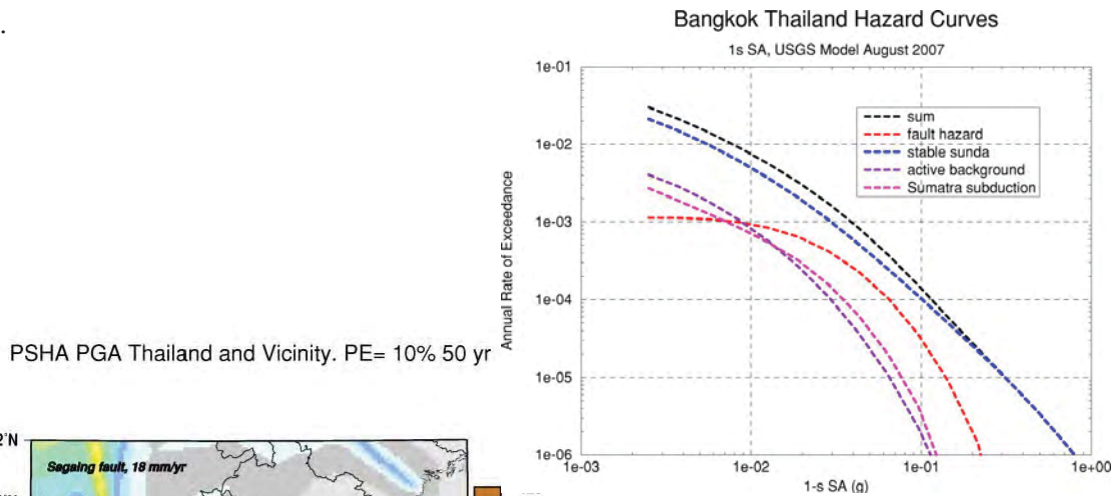
- One: 118-153 kmh
- Two: 154-177 kmh
- Three: 178-209 kmh
- Four: 210-249 kmh
- Five: 250+ kmh

Appendix 4.2

No.:	EQ_024	Published Year:	2007
Study/ Report Name:	Documentation for the Southeast Asia Seismic Hazard Maps		
Access to Information:	<a href="http://earthquake.usgs.gov/hazards/products/foreign/">http://earthquake.usgs.gov/hazards/products/foreign/</a>		
Research Organization:	USGS		
Study Area (Country):	Jakarta of Indonesia, Bangkok of Thailand, Malaysia		
Studied Hazard:	Earthquake / Probabilistic Seismic Hazard Analysis		
Studied Damage/ Risk:			
Main Data Sources:			

Summary of the Study:

The ground motion hazard for Sumatra and the Malaysian peninsula is calculated in a probabilistic framework, using procedures developed for the US National Seismic Hazard Maps.



GMT Aug 29 15:29 Thailand/Sumatra PGA. For faults crustal attr relations, use NGA. 10% in 50 years PE. Revised Mmax on some Thai faults to 7.5.



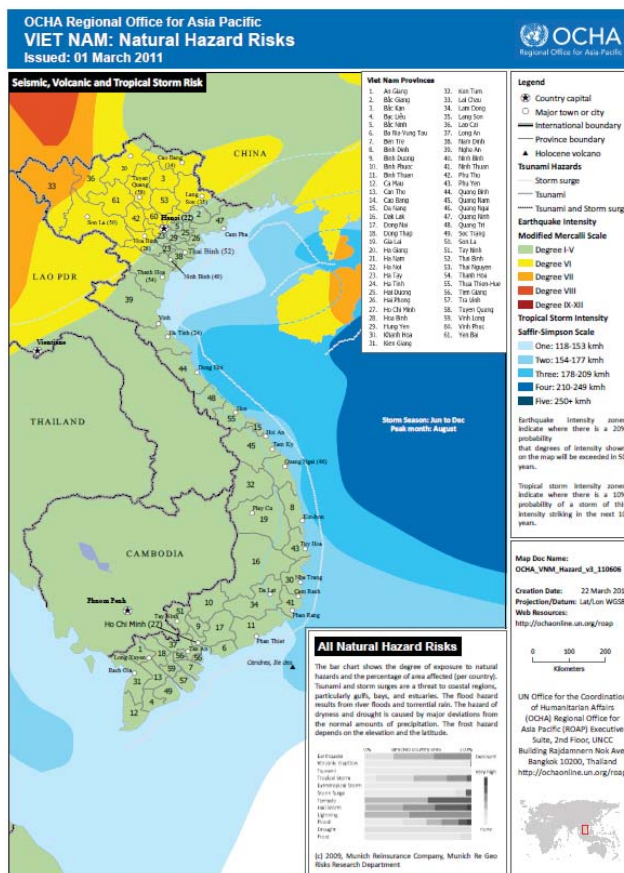
No.:	EQ_025	Published Year:	2011
Study/ Report Name:	VIET NAM: Natural Hazard Risks		
Access to Information:	<a href="http://reliefweb.int/sites/reliefweb.int/files/resources/map_1322.pdf">http://reliefweb.int/sites/reliefweb.int/files/resources/map_1322.pdf</a>		
Research Organization:	United Nations Office for the Coordination of Humanitarian Affairs Regional Office for Asia and the Pacific (OCHA-ROAP)		
Study Area (Country):	Vietnam		
Studied Hazard:	<b>Seismic, Volcanic and Tropical Storm</b>		
Studied Damage/ Risk:	All Natural Hazard Risks		
Main Data Sources:	UN Cartographic Section, Global Discovery, FAO, Smithsonian Institute, Pacific Disaster Center, UNISYS, Munich Reinsurance Group.		

Summary of the Study:

Earthquake intensity zones indicate where there is a 20% probability that degrees of intensity shown on the map will be exceeded in 50 years.

Tropical storm intensity zones indicate where there is a 10% probability of a storm of this intensity striking in the next 10 years.

The bar chart shows the degree of exposure to natural hazards and the percentage of area affected.



The names shown and the designations used on this map do not imply official endorsement or acceptance by the United Nations

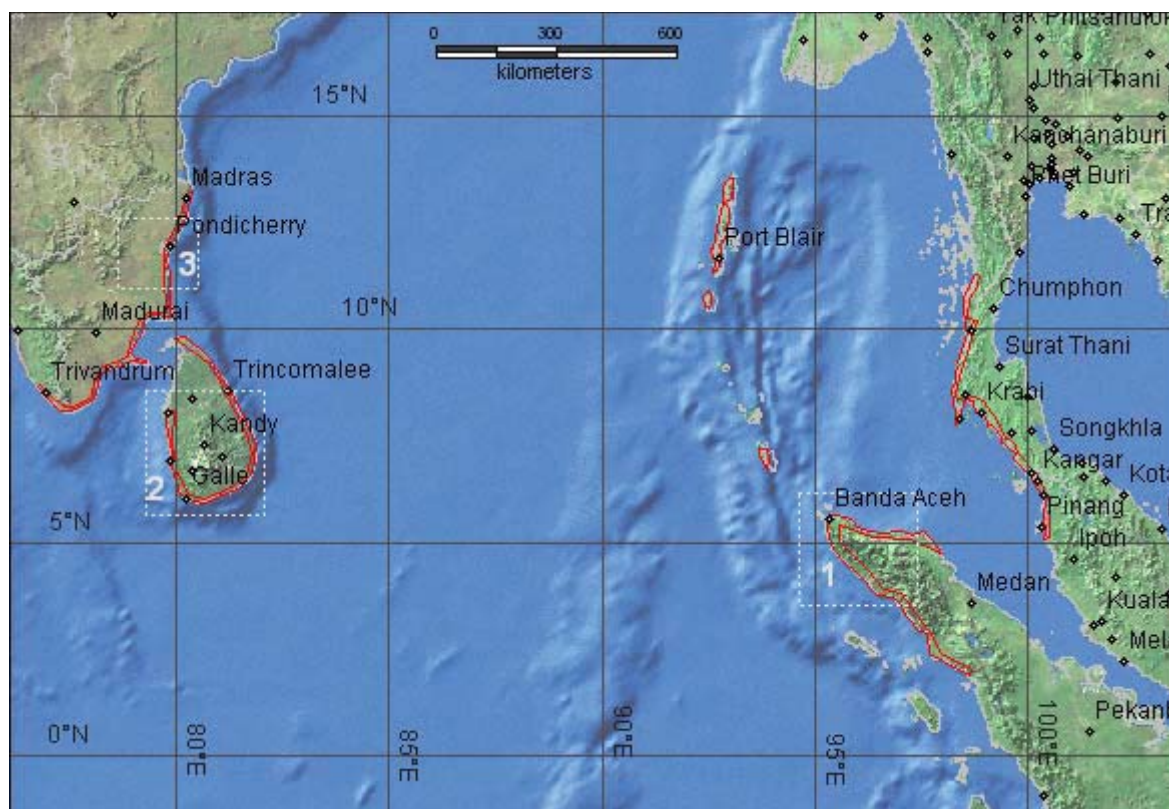
Appendix 4.3

No.:	TN_001	Published Year:	2004
Study/ Report Name:	Southern Asia - Earthquake and Tsunami - Indonesia, Sri Lanka and India (The Sumatra Earthquake of 26 December 2004)		
Access to Information:	<a href="http://www.dartmouth.edu/~floods/2004193.html">http://www.dartmouth.edu/~floods/2004193.html</a>		
Research Organization:	Dartmouth Flood Observatory		
Study Area (Country):	Indonesia, Sri Lanka and India		
Studied Hazard:	Tsunami (Inundation)		
Studied Damage/ Risk:			
Main Data Sources:			

Summary of the Study:

World Atlas of Large Flood Events 1985-2002

The information presented in this atlas is derived from a wide variety of news, governmental, instrumental, and remote sensing source. It is designed in order to better understand the evolution of extreme flood events since 1985. The archive is "active" because it is currently updated (with current and past events).



Appendix 4.3

No.:	TN_002	Published Year:	2005
Study/ Report Name:	From Disaster to Reconstruction: A Report on ADB's Response to the Asian Tsunami		
Access to Information:	<a href="http://www.adb.org/publications/disaster-reconstruction-report-a-dbs-response-asian-tsunami">http://www.adb.org/publications/disaster-reconstruction-report-a-dbs-response-asian-tsunami</a>		
Research Organization:	Asian Development Bank		
Study Area (Country):	ASEAN		
Studied Hazard:	Tsunami		
Studied Damage/ Risk:			
Main Data Sources:			

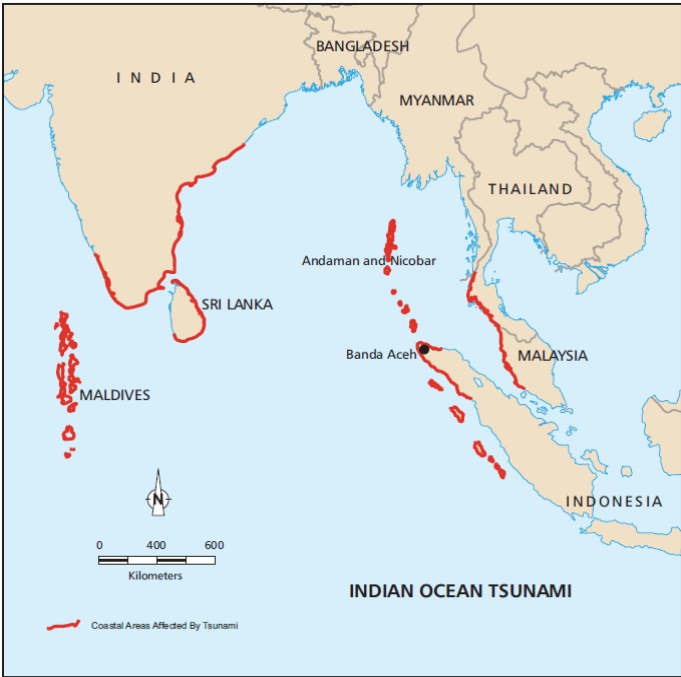
Summary of the Study:

This report summarizes ADB's response to the earthquake and tsunami during the first year. It highlights major activities, details project components, and identifies challenges ahead and lessons learned in responding to this unprecedented regional natural disaster.

**Table 1: Tsunami Losses**

Country	Number of			Estimated Overall Damage (\$ billion)
	Dead	Missing	Displaced/ Injured	
India	12,405	5,640	6,913	2,560
Indonesia	131,029	37,000	556,638	4,500
Maldives	82	26	29,577	0.472
Sri Lanka	35,322		516,150	1,000
Thailand	5,395	2,817	54,500	0.711

Sources: Government of India: United Nations Development Programme; Government of the Maldives; Government of Sri Lanka; UN Resident Coordinator, Thailand.

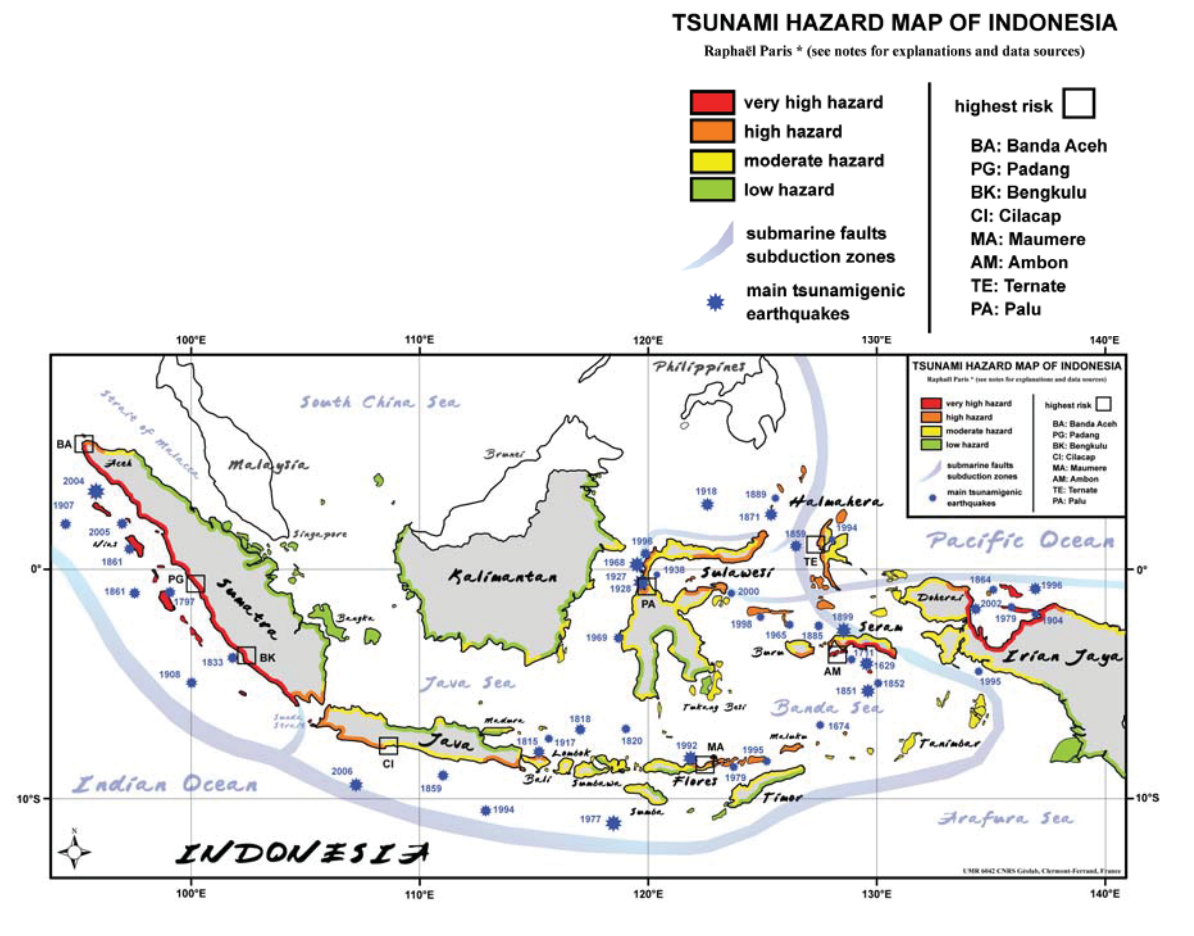


No.:	TN_003	Published Year:	2007
Study/ Report Name:	Tsunami Hazard map of Indonesia		
Access to Information:	<a href="http://raphael.paris.pagesperso-orange.fr/database/indonesia_tsunami.jpg">http://raphael.paris.pagesperso-orange.fr/database/indonesia_tsunami.jpg</a>		
Research Organization:	Firewaves: Volcanic Tsunami Working Group, UMR6042 Geolab		
Study Area (Country):	Indonesia		
Studied Hazard:	Tsunami hazard		
Studied Damage/ Risk:			
Main Data Sources:	NGDC (National Geophysical Data Center, NOAA) HTDB database (Tsunami Laboratory in Novosibirsk, Russia)		

Summary of the Study:

All the events listed in the database were integrated in a GIS environment and the Indonesian coasts were divided in 39 main areas. The main tectonic lineaments and a map of the cities and population densities provided by the ESRI network were added to the GIS earthquake databases (NGDC, USGS and Smithsonian Institution). The legend presents four levels of hazard: very high (more than 10 attested events since 400 years), high (5-10 events), moderate (4-2 events) and low (< 2 events).

<http://firewaves.over-blog.com/article-a-tsunami-hazard-map-for-indonesia-80685148.html>





Appendix 4.3

No.:	TN_004	Published Year:	2006
Study/ Report Name:	Preliminary Damage and Loss Assessment: Yogyakarta and Central Java Natural Disaster		
Access to Information:	<a href="http://www.adb.org/publications/preliminary-damage-and-loss-assessment-yogyakarta-and-central-java-natural-disaster">http://www.adb.org/publications/preliminary-damage-and-loss-assessment-yogyakarta-and-central-java-natural-disaster</a>		
Research Organization:	Asian Development Bank (ADB)		
Study Area (Country):	Indonesia, Yogyakarta and Central Java		
Studied Hazard:	Earthquake, <b>Tsunami</b>		
Studied Damage/ Risk:	Mortality risk, GDP		
Main Data Sources:			

Summary of the Study:

This report presents a preliminary assessment of the damage and losses caused by the earthquake. The assessment used the international standard methodology for measuring disasters, and draws upon some of the best experts in the world. The report provides the government and the international community a clearer understanding of the impact of the disaster, and a basis for designing reconstruction and recovery programs. The report was prepared under the leadership of BAPPENAS, supported by a strong team of Indonesian and international specialists.

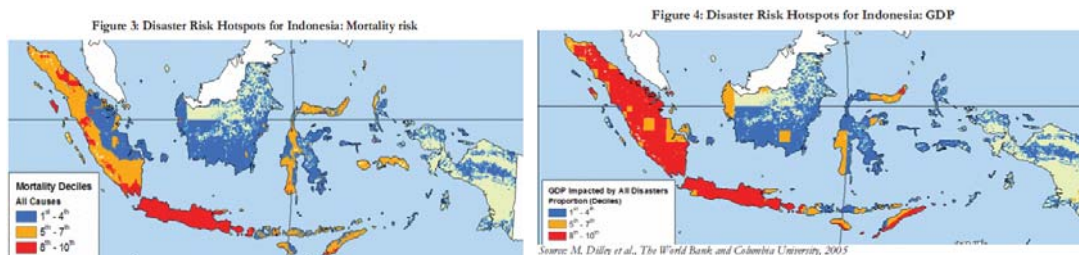


Table 8: Summary of Damage and Losses (Rp Billion)

	Disaster Effects			Ownership	
	Damage	Losses	Total	Private	Public
Housing	13,915	1,382	15,296	15,296	0
Infrastructure	397	154	551	76	476
Transport and Communications	90	0	90	0	90
Energy	225	150	375	0	375
Water and Sanitation	82	4	86	76	10
Social Sectors	3,906	77	3,982	2,112	1,870
Education	1,683	56	1,739	584	1,154
Health and Social Protection	1,569	21	1,590	1,030	560
Culture and Religion	654	0	654	498	156
Productive Sectors	4,348	4,676	9,025	8,854	170
Agriculture	66	640	705	700	5
Trade	184	120	303	138	165
Industry	4,063	3,899	7,962	7,962	0
Tourism	36	18	54	54	0
Cross-Sectoral	185	110	295	48	247
Government	137	0	137	0	137
Banking and Finance	48	0	48	48	0
Environment	0	110	110	0	110
<b>Total</b>	<b>22,751</b>	<b>6,398</b>	<b>29,149</b>	<b>26,386</b>	<b>2,763</b>
Total, million US\$	2,446	688	3,134	2,837	297

Source: Estimates by Joint Assessment Team

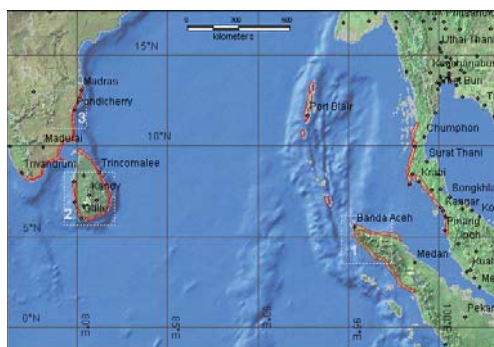
Appendix 4.3

No.:	TN_005	Published Year:	2004
Study/ Report Name:	Rapid Response Inundation Map Southern Asia - Earthquake and Tsunami - Indonesia, Sri Lanka and India (The Sumatra Earthquake of 26 December 2004)		
Access to Information:	<a href="http://www.dartmouth.edu/~floods/2004193.html">http://www.dartmouth.edu/~floods/2004193.html</a>		
Research Organization:	Dartmouth Flood Observatory (DFO)		
Study Area (Country):	Indonesia - Sumatra – Aceh Province		
Studied Hazard:	Tsunami (Inundation)		
Studied Damage/ Risk:			
Main Data Sources:			

Summary of the Study:

World Atlas of Large Flood Events 1985-2002

The information presented in this atlas is derived from a wide variety of news, governmental, instrumental, and remote sensing source. It is designed in order to better understand the evolution of extreme flood events since 1985. The archive is "active" because it is currently updated (with current and past events).

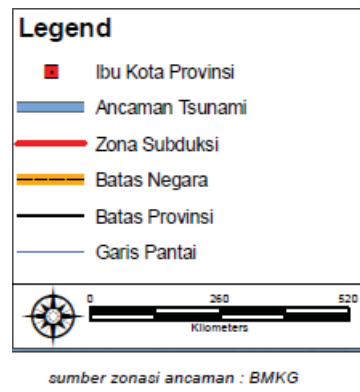


Appendix 4.3

No.:	TN_006	Published Year:	continuously updated
Study/ Report Name:	Thematic Map of Tsunami (Peta Tematik / Tsunami)		
Access to Information:	<a href="http://geospasial.bnpp.go.id/category/peta-tematik/tsunami-peta-tematik/">http://geospasial.bnpp.go.id/category/peta-tematik/tsunami-peta-tematik/</a>		
Research Organization:	Badan Nasional Penanggulangan Bencana (BNPB) National Agency for Disaster Management		
Study Area (Country):	Indonesia		
Studied Hazard:	inundation area and casualties by Tsunami		
Studied Damage/ Risk:			
Main Data Sources:			

Summary of the Study:

Maps are open on the web site of BNPB

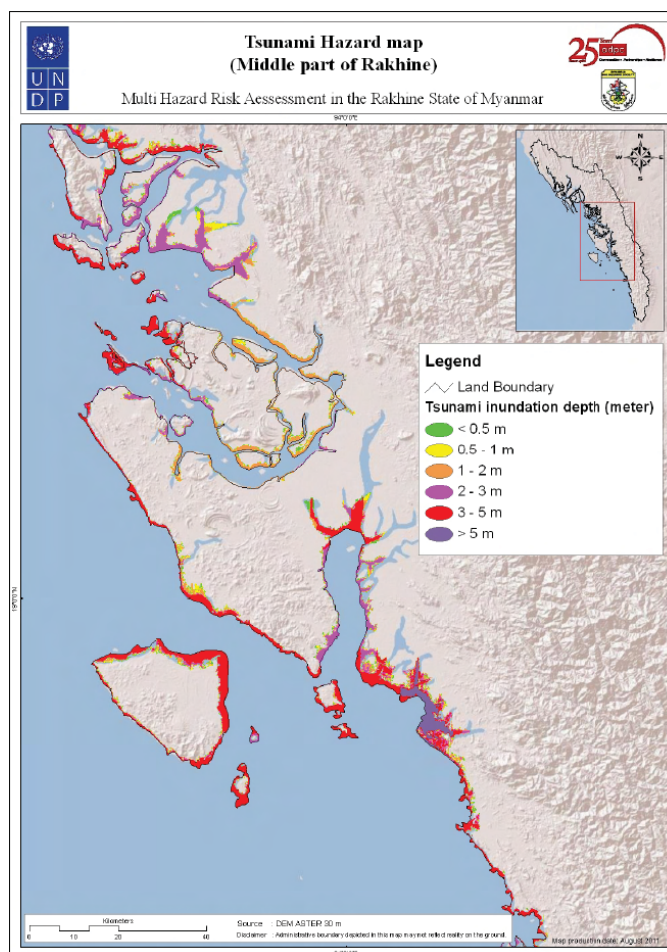


Appendix 4.3

No.:	TN_007	Published Year:	2011
Study/ Report Name:	Multi-hazard Risk Assessment in the Rakhine State of Myanmar Part 1 : Hazard Assessment		
Access to Information:	<a href="http://www.gripweb.org/gripweb/?q=countries-risk-information/disaster-risk-profiles/multi-hazard-risk-assessment-rakhine-state-myanmar">http://www.gripweb.org/gripweb/?q=countries-risk-information/disaster-risk-profiles/multi-hazard-risk-assessment-rakhine-state-myanmar</a>		
Research Organization:	UNDP, GRIP		
Study Area (Country):	Rakhine State of Myanmar		
Studied Hazard:	Cyclone, Storm Surge, Flood, Landslide, Fire, Earthquake, <b>Tsunami</b>		
Studied Damage/ Risk:			
Main Data Sources:	UNDP Myanmar, ADPC, GRIP, UNDP		

Summary of the Study:

The report focuses on the assessment of the priority hazard types in Rakhine State. Hazard assessment is an essential first step of the overall risk assessment process. The result of analysis is usually presented in the form of maps portraying the intensity and probability of hazards in a given geographical location. Hazard maps can be applied in many ways.





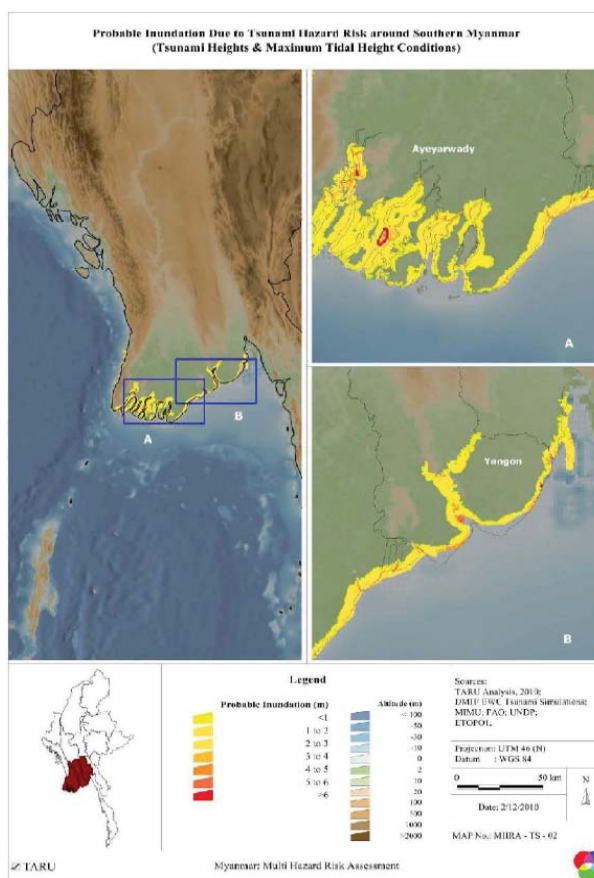
Appendix 4.3

No.:	TN_008	Published Year:	2011
Study/ Report Name:	Multi-hazard Risk Assessment in Nargis Affected Areas, Myanmar		
Access to Information:	<a href="http://www.gripweb.org/gripweb/?q=countries-risk-information/disaster-risk-profiles/multi-hazard-risk-assessment-nargis-affected-areas">http://www.gripweb.org/gripweb/?q=countries-risk-information/disaster-risk-profiles/multi-hazard-risk-assessment-nargis-affected-areas</a>		
Research Organization:	UNDP, GRIP		
Study Area (Country):	Town in Nargis State of Myanmar		
Studied Hazard:	Earthquake, <b>Tsunami</b> , Cyclone, Storm Surge, Flood, Climate Change		
Studied Damage/ Risk:	Composite Risk		
Main Data Sources:	UNDP Myanmar, ADPC, GRIP, UNDP		

Summary of the Study:

This study covered the Ayeyarwady Delta, including parts of Yangon and Bago regions that were also impacted by Cyclone Nargis, aiming at investigating the vulnerability of the communities in the study area by various hazards. The study identified what natural hazards could affect the region, and its vulnerabilities in relation to these phenomena.

The composite risk assessment is also undertaken in the study.



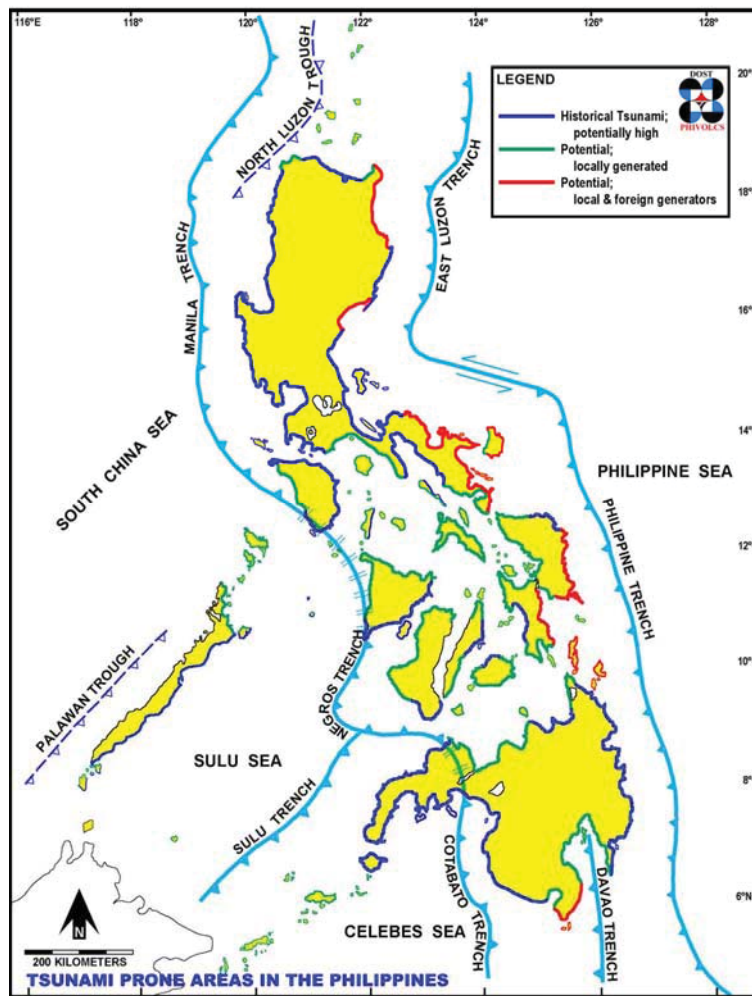
Appendix 4.3

No.:	TN_009	Published Year:	2007
Study/ Report Name:	Tsunami Prone Areas		
Access to Information:	<a href="http://www.phivolcs.dost.gov.ph/index.php?option=com_content&amp;view=article&amp;id=312&amp;Itemid=500027">http://www.phivolcs.dost.gov.ph/index.php?option=com_content&amp;view=article&amp;id=312&amp;Itemid=500027</a>		
Research Organization:	Philippine Institute of Volcanology and Seismology (PHIVOLCS)		
Study Area (Country):	Philippines		
Studied Hazard:	Tsunami (Tsunami Potential)		
Studied Damage/ Risk:			
Main Data Sources:			








Summary of the Study:

Tsunami potential is defined along coast in 3 ranks as Historical Tsunami (potentially high), Potential (locally generated), Potential (local & foreign generators)

The Tsunami Hazard Maps was produced under the Department of Science and Technology-Grant-In-Aid Program (DOST-GIA) in December 2007.



Appendix 4.3

No.:	TN_010	Published Year:	2008
Study/ Report Name:	READY Project Multihazard Maps		
Access to Information:	<a href="http://www.phivolcs.dost.gov.ph/index.php?option=com_content&amp;view=article&amp;id=465&amp;Itemid=500028">http://www.phivolcs.dost.gov.ph/index.php?option=com_content&amp;view=article&amp;id=465&amp;Itemid=500028</a>		
Research Organization:	Philippine Institute of Volcanology and Seismology (PHIVOLCS)		
Study Area (Country):	Philippines		
Studied Hazard:	Ground Shaking , Liquefaction, <b>Tsunami</b> , Volcano, Earthquake-induced landslide, Ground Rupture		
Studied Damage/ Risk:			
Main Data Sources:			
<p>Summary of the Study:</p> <p>The main aim of the <b>READY*</b> project is to address the problem of disaster risk management (DRM) at the local level. The targets are selected 27 high risk Philippine provinces. The project has three components:</p> <p><b>* Hazards Mapping and Assessment for Effective Community-Based Disaster Risk Management</b></p> <ol style="list-style-type: none"> <li>1) Multi-hazard and risk assessment,</li> <li>2) Community-based disaster risk mitigation through development of community-based early warning system (CBEWS) and conduct of information, education and communication (IEC) campaigns</li> <li>3) Mainstreaming disaster risk reduction into the local development.</li> </ol>			
<p><b>READY Project Multihazard Maps</b>  </p> <p>Thursday, 08 May 2008 20:31</p> <p><b>» Aurora Province</b></p> <div style="display: flex; justify-content: space-around; align-items: flex-end;"> <div style="text-align: center;">  <p>Earthquake-induced landslide</p> </div> <div style="text-align: center;">  <p>Ground Rupture</p> </div> <div style="text-align: center;">  <p>Ground Shaking</p> </div> <div style="text-align: center;">  <p>Liquefaction</p> </div> <div style="text-align: center;">  <p>Tsunami</p> </div> </div>			



Appendix 4.3

No.:	TN_011	Published Year:	2007
Study/ Report Name:	Tsunami Hazard Map		
Access to Information:	<a href="http://www.phivolcs.dost.gov.ph/index.php?option=com_content&amp;view=article&amp;id=312&amp;Itemid=500027">http://www.phivolcs.dost.gov.ph/index.php?option=com_content&amp;view=article&amp;id=312&amp;Itemid=500027</a>		
Research Organization:	Philippine Institute of Volcanology and Seismology (PHIVOLCS)		
Study Area (Country):	49 Provinces of Philippines		
Studied Hazard:	Tsunami (Inundation Area, Wave Height at Coastline)		
Studied Damage/ Risk:			
Main Data Sources:			

Summary of the Study:

The indicative map is based on maximum computed wave height and inundation using worst case scenario earthquake from major offshore source zone. The indicated wave height decreases away from the shoreline.

The Tsunami Hazard Maps was produced under the Department of Science and Technology-Grant-In-Aid Program (DOST-GIA) in December 2007.

**Luzon:**

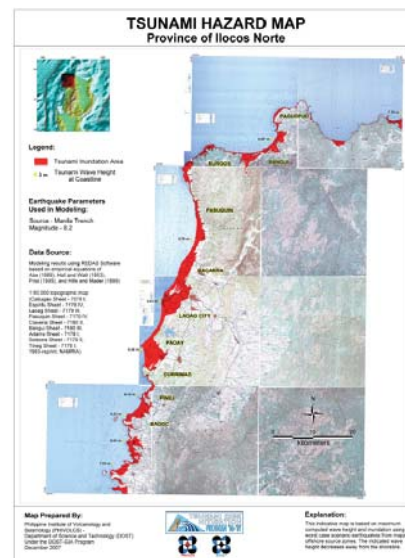
<b>Region I</b>	<a href="#">Ilocos Norte</a>   <a href="#">Ilocos Sur</a>   <a href="#">La Union</a>   <a href="#">Pangasinan</a>
<b>Region II</b>	<a href="#">Batanes</a>   <a href="#">Cagayan</a>   <a href="#">Isabela</a>
<b>Region III</b>	<a href="#">Aurora</a>   <a href="#">Bataan</a>   <a href="#">Zambales</a>
<b>Region IV-A</b>	<a href="#">Batangas</a>   <a href="#">Cavite</a>   <a href="#">Quezon</a>
<b>Region IV-B</b>	<a href="#">Mindoro Island</a>   <a href="#">Palawan</a>
<b>Region V</b>	<a href="#">Albay</a>   <a href="#">Camarines Norte</a>   <a href="#">Camarines Sur</a>   <a href="#">Catanduanes</a>   <a href="#">Sorsogon</a>

**Visayas:**

<b>Region VI</b>	<a href="#">Aklan</a>   <a href="#">Antique</a>   <a href="#">Guimaras</a>   <a href="#">Iloilo</a>   <a href="#">Negros Occidental</a>
<b>Region VII</b>	<a href="#">Bohol</a>   <a href="#">Negros Oriental</a>   <a href="#">Siquijor</a>
<b>Region VIII</b>	<a href="#">Eastern Samar</a>   <a href="#">Northern Samar</a>   <a href="#">Leyte Island</a>

**Mindanao:**

<b>Region IX</b>	<a href="#">Zamboanga City</a>   <a href="#">Zamboanga del Norte</a>   <a href="#">Zamboanga del Sur</a>   <a href="#">Zamboanga Sibuga</a>
<b>Region X</b>	<a href="#">Camiquin</a>   <a href="#">Lanao del Norte</a>
<b>Region XI</b>	<a href="#">Davao del Sur</a>   <a href="#">Davao Oriental</a>
<b>Region XII</b>	<a href="#">Sarangani</a>   <a href="#">South Cotabato</a>   <a href="#">Sultan Kudarat</a>
<b>Region XIII</b>	<a href="#">Surigao del Norte</a>   <a href="#">Surigao del Sur</a>
<b>ARMM</b>	<a href="#">Basilan</a>   <a href="#">Lanao del Sur</a>   <a href="#">Maquindanao</a>   <a href="#">Sulu</a>   <a href="#">Tawi Tawi</a>



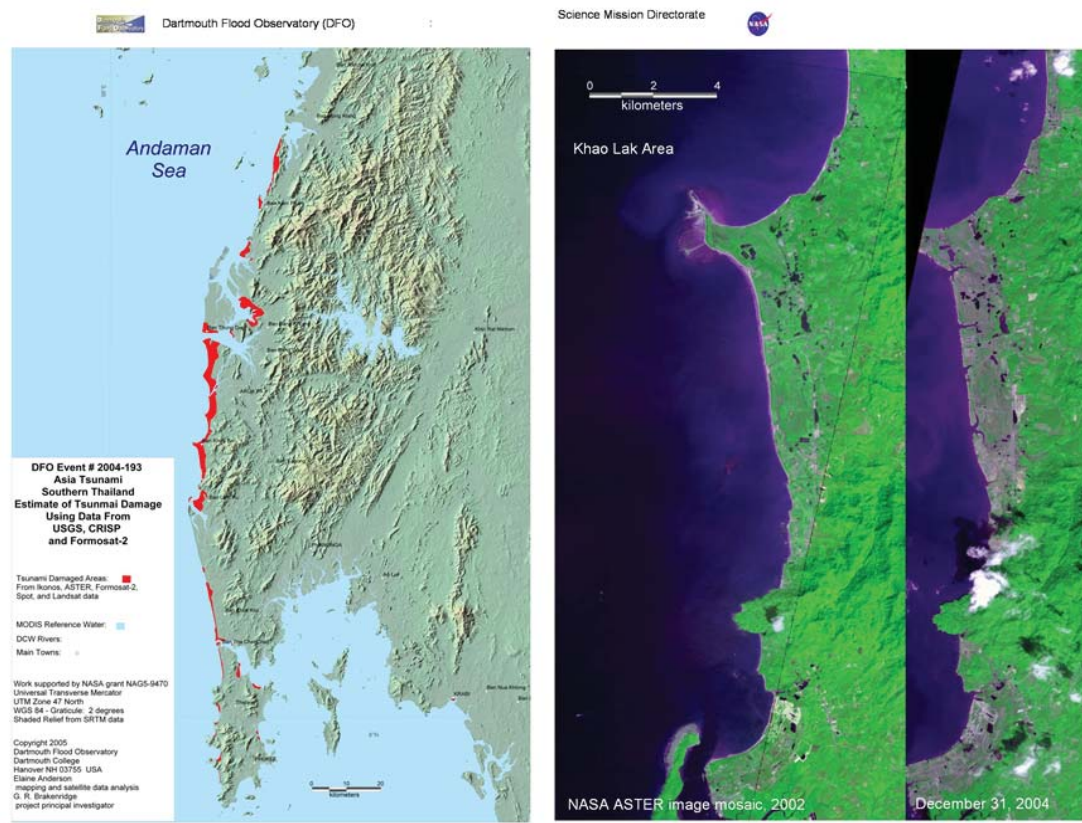
No.:	TN_012	Published Year:	2004
Study/ Report Name:	Tsunami Damage Extent Map (December 31 2004), Southern Asia - Earthquake and Tsunami - Indonesia, Sri Lanka and India (The Sumatra Earthquake of 26 December 2004)		
Access to Information:	<a href="http://www.dartmouth.edu/~floods/images/TsunamiThailandPoster.jpg">http://www.dartmouth.edu/~floods/images/TsunamiThailandPoster.jpg</a>		
Research Organization:	Dartmouth Flood Observatory		
Study Area (Country):	Southern Thailand		
Studied Hazard:	Tsunami (Inundation area)		
Studied Damage/ Risk:			
Main Data Sources:			

Summary of the Study:

World Atlas of Large Flood Events 1985-2002

The information presented in this atlas is derived from a wide variety of news, governmental, instrumental, and remote sensing source. It is designed in order to better understand the evolution of extreme flood events since 1985. The archive is "active" because it is currently updated (with current and past events).

Tsunami Damage Extent Map (December 31, 2004)

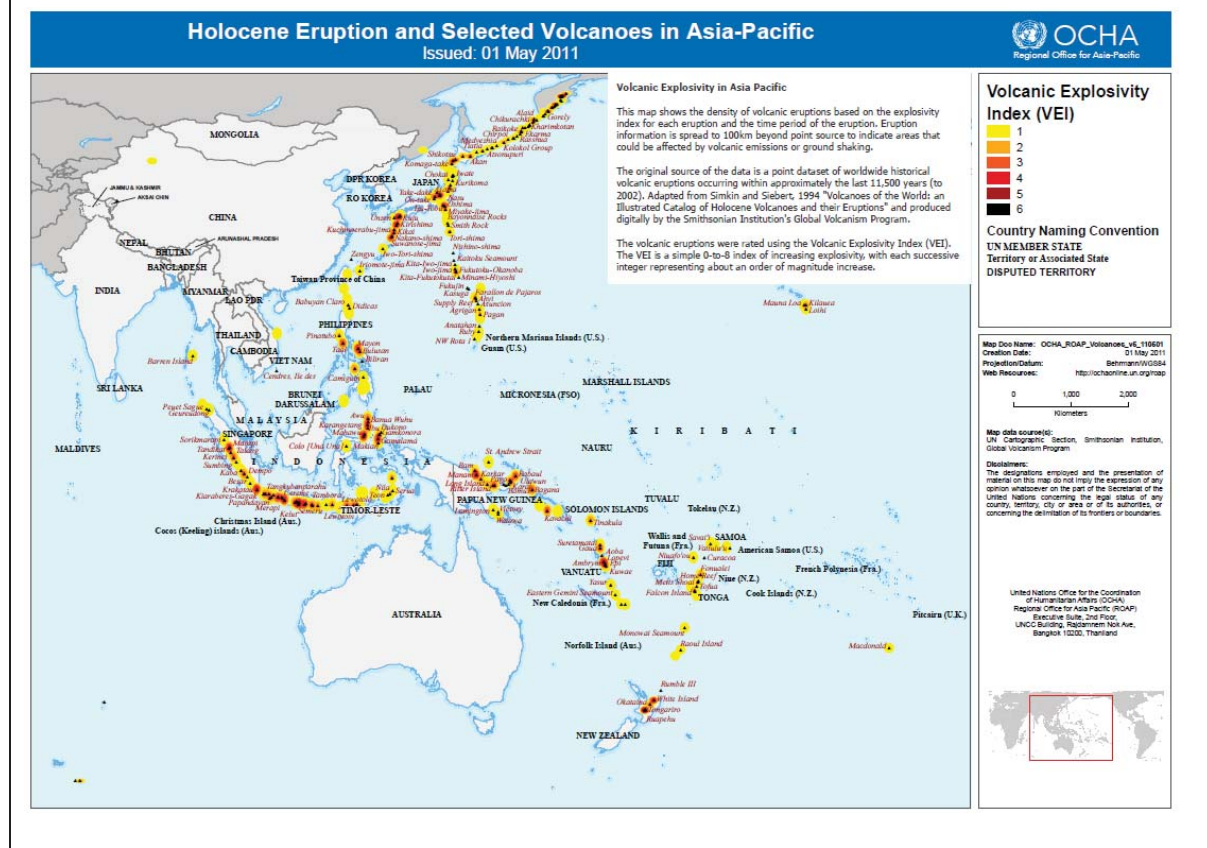


No.:	VE_001	Published Year:	2011
Study/ Report Name:	Holocene Eruption and Selected Volcanoes in Asia-Pacific		
Access to Information:	<a href="http://reliefweb.int/sites/reliefweb.int/files/resources/map_619.pdf">http://reliefweb.int/sites/reliefweb.int/files/resources/map_619.pdf</a>		
Research Organization:	United Nations Office for the Coordination of Humanitarian Affairs, Regional Office for Asia Pacific (OCHA -ROAP)		
Study Area (Country):	Asia-Pacific		
Studied Hazard:	Volcanic Explosivity Index (VEI)		
Studied Damage/ Risk:			
Main Data Sources:	UN Cartographic Section, Smithsonian Institution, Global Volcanism Program		

Summary of the Study:

This map shows the density of volcanic eruptions based on the explosivity index for each eruption and the time period of the eruption. Eruption information is spread to 100km beyond point source to indicate areas that could be affected by volcanic emissions or ground shaking.

The volcanic eruptions were rated using the Volcanic Explosivity Index (VEI). The VEI is a simple 0 to 8 index of increasing explosivity, with each successive integer representing about an order of magnitude increase.





Appendix 4.4

No.:	VE_002	Published Year:	continuously updated
Study/ Report Name:	Thematic Map of Volcano (PETA TEMATIK / GUNUNGAPI)		
Access to Information:	<a href="http://geospasial.bnpb.go.id/category/peta-tematik/gunungapi-peta-tematik/">http://geospasial.bnpb.go.id/category/peta-tematik/gunungapi-peta-tematik/</a>		
Research Organization:	Bandan Nasional Penanggulangan Bencana (BNPB) National Agency for Disaster Management		
Study Area (Country):	Volcanos		
Studied Hazard:	Banjir (Flood), Gempa (Earthquake), <b>Gunungapi (Volcano)</b> , Kebakaran (Fire), Kekeringan (Drought), Longsor (Landslide), Tsunami  Peta Kawasan Rawan Bencana (KRB): Disaster Prone Area Map etc.		
Studied Damage/ Risk:			
Main Data Sources:			

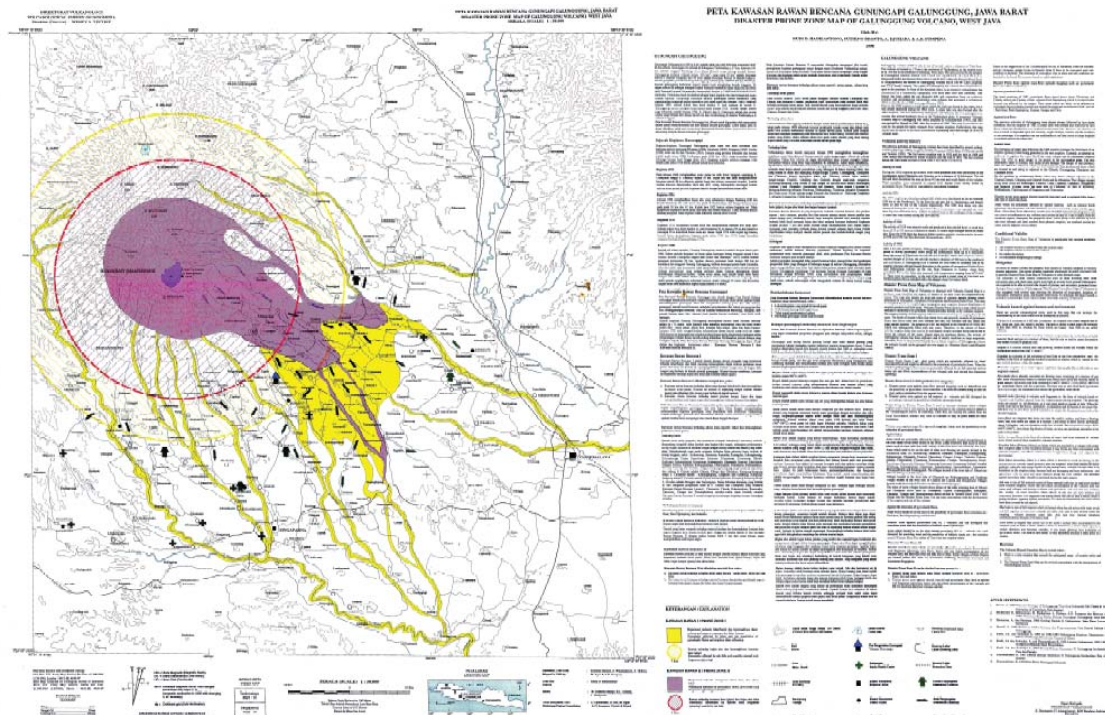
Summary of the Study:

Volcanic hazard zone is shown as the following ranks, for example.

zone III: Frequently affected by pyroclastic flow, lava flow, ejected rock fragments

zone II: Potentially affected by pyroclastic flow, lava flow, glowing rock fragments and lahar

zone I: Potentially affected by lahar and the possibility of pyroclastic flow and lava flows.

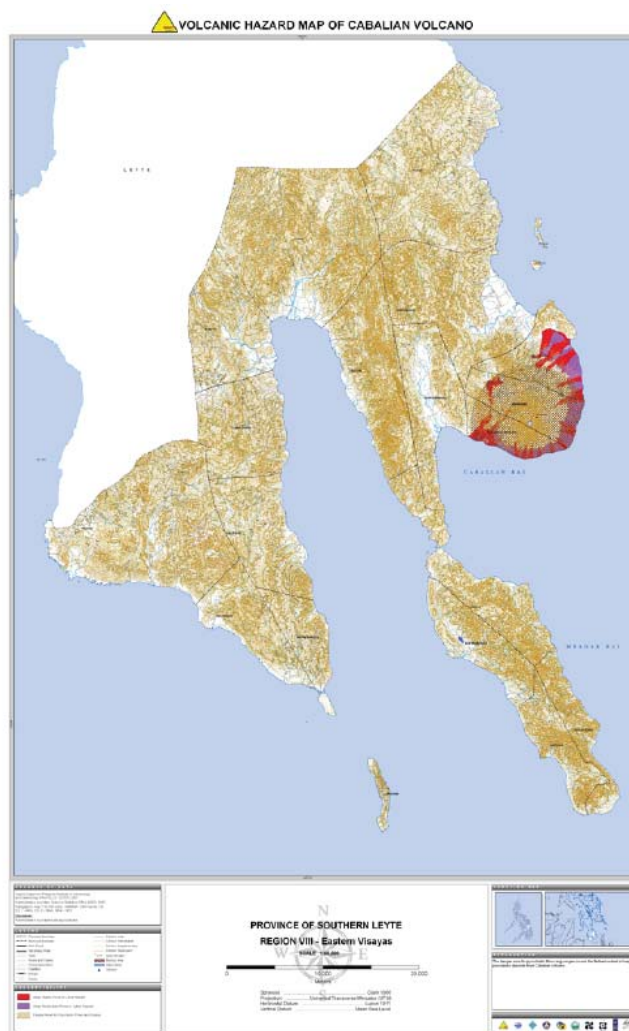


Appendix 4.4

No.:	VE_003	Published Year:	2008
Study/ Report Name:	READY Project Multihazard Maps Volcanic Hazard Map of Cabalian Volcano		
Access to Information:	<a href="http://www.phivolcs.dost.gov.ph/index.php?option=com_content&amp;view=article&amp;id=427:phivolcs-hazard-maps&amp;catid=45&amp;Itemid=500014">http://www.phivolcs.dost.gov.ph/index.php?option=com_content&amp;view=article&amp;id=427:phivolcs-hazard-maps&amp;catid=45&amp;Itemid=500014</a>		
Research Organization:	Philippine Institute of Volcanology and Seismology (PHIVOLCS)		
Study Area (Country):	Southern Leyte Province of Philippines		
Studied Hazard:	Ground Shaking , Liquefaction, Tsunami, <b>Volcano</b> , Earthquake-induced landslide, Ground Rupture,		
Studied Damage/ Risk:			
Main Data Sources:			

Summary of the Study:

Maps are open on the web site of PHIVOLCS



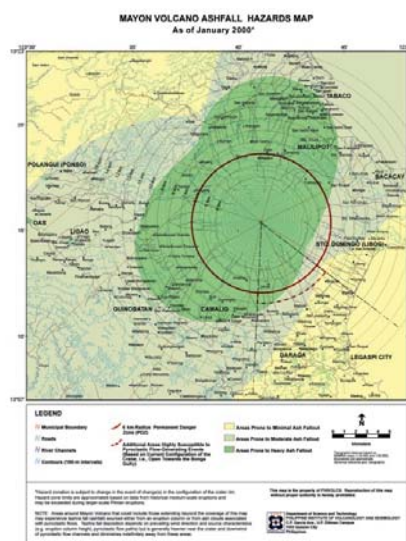
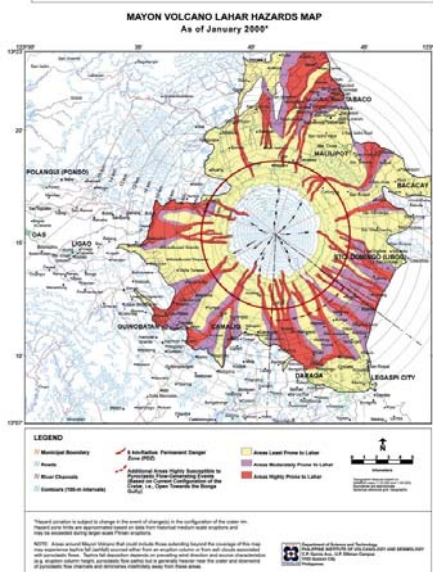
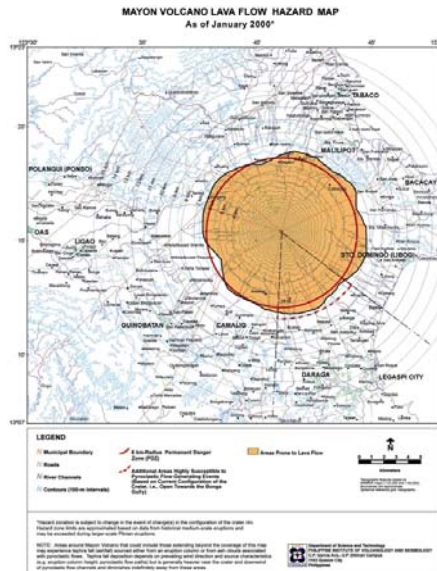
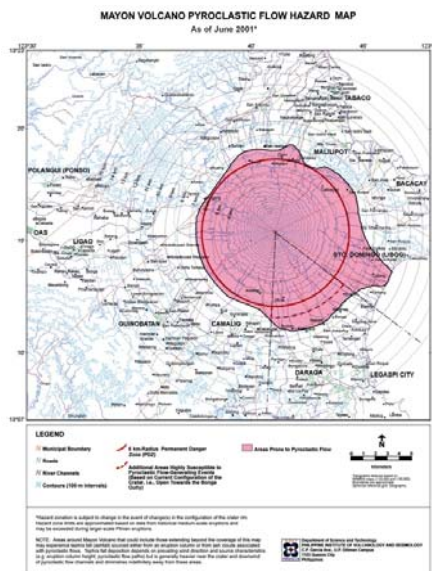
<http://www.phivolcs.dost.gov.ph/images/READY/southern%20leyte%20volcanic%20hazard%20map%20final.gif>

Appendix 4.4

No.:	VE_004	Published Year:	1998 - 2004?
Study/ Report Name:	Volcano Hazard Map		
Access to Information:	<a href="http://www.phivolcs.dost.gov.ph/index.php?option=com_content&amp;view=article&amp;id=57:active-volcanoes&amp;catid=55&amp;Itemid=114">http://www.phivolcs.dost.gov.ph/index.php?option=com_content&amp;view=article&amp;id=57:active-volcanoes&amp;catid=55&amp;Itemid=114</a>		
Research Organization:	Philippine Institute of Volcanology and Seismology (PHIVOLCS)		
Study Area (Country):	5 Volcanos of Philippines Mayon, Kanlaon(Malaspina), Pinatubo, Hibok-hibok, Taal		
Studied Hazard:	Pyroclastic Flow, Lava Flow, Lahar, Ashfall		
Studied Damage/ Risk:			
Main Data Sources:			

Summary of the Study:

Maps are open on the web site of PHIVOLCS

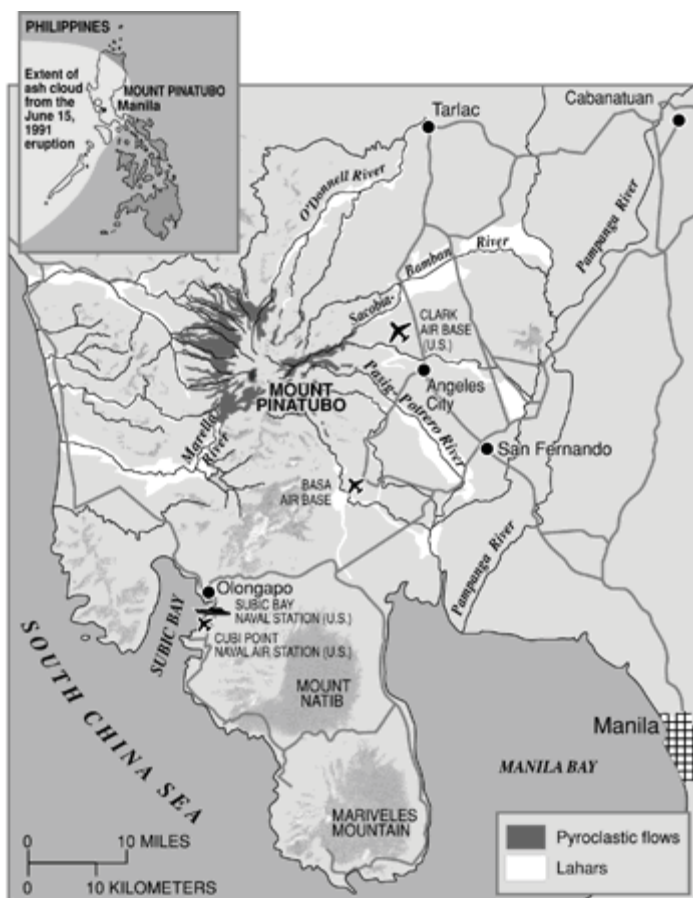




No.:	VE_005	Published Year:	1997
Study/ Report Name:	The Cataclysmic 1991 Eruption of Mount Pinatubo, Philippines		
Access to Information:	<a href="http://pubs.usgs.gov/fs/1997/fs113-97/">http://pubs.usgs.gov/fs/1997/fs113-97/</a>		
Research Organization:	USGS		
Study Area (Country):	Mount Pinatubo, Philippines		
Studied Hazard:	Volcanic Eruption		
Studied Damage/ Risk:			
Main Data Sources:			

Summary of the Study:

A huge cloud of volcanic ash and gas rises above Mount Pinatubo, Philippines, on June 12, 1991. Three days later, the volcano exploded in the second-largest volcanic eruption on Earth in this century. Timely forecasts of this eruption by scientists from the Philippine Institute of Volcanology and Seismology and the U.S. Geological Survey enabled people living near the volcano to evacuate to safer distances, saving at least 5,000 lives.



The June 15, 1991, explosive eruption of Mount Pinatubo, Philippines, was the second largest volcanic eruption of this century and by far the largest eruption to affect a densely populated area. The eruption produced high-speed avalanches of hot ash and gas (pyroclastic flows), giant mudflows (lahars), and a cloud of volcanic ash hundreds of miles across. (U.S. bases have reverted to Philippine control since 1991.)



Appendix 4.5

No.:	CM-001	Published Year:	2002
Study/ Report Name:	Overview of Early Warning in Cambodia, Indonesia, Lao PDR, Philippines and Vietnam		
Access to Information:	<a href="http://www.adpc.net/pdr-sea/publications/OEWS.pdf">http://www.adpc.net/pdr-sea/publications/OEWS.pdf</a>		
Research Organization:	Asian Disaster Preparedness Center		
Study Area (Country):	Indonesia, Vietnam, Philippines, Lao PDR, Cambodia		
Studied Hazard:	Storm(heavy rain)		
Studied Damage/ Risk:	Hazard		
Main Data Sources:			
<p>Summary of the Study:</p> <p>Globally, the incidence of hydro-meteorological disasters has doubled since 1996. In the past decade, more than 90% of the people killed by natural hazards and lost their lives due to droughts, windstorms and floods, of which 85% of the total deaths were reported from Asia (WDR, 2001). Strengthening disaster reduction strategies throughout the region is an important step towards ensuring that natural hazards do not result in social and economic disasters.</p> <p>The UN International Decade on Natural Disaster Reduction (IDNDR) Conference on Early Warning Systems for Reduction of Natural Disasters (held in Potsdam, Germany in September 1998) declared that the successful application of early warning is the most practical and effective measure for disaster prevention. Ultimately, the declaration continues, early warning systems must be comprehended by and motivate communities at greatest risk, including those disenfranchised and particularly disadvantaged people who must take appropriate protective actions. One of IDNDR's original program targets was for all countries to have in place, by the year 2000, ready access to global, regional, national and local warning systems as part of their national plans. Many governments and related disaster management organizations throughout Asia have already initiated Early Warning Systems; though, the resulting systems vary widely in their capacity to produce and communicate effective warnings. This report summarizes the findings of a study of Early Warning Systems in Cambodia, Indonesia, Lao PDR, Philippines and Vietnam, the countries targeted by the Disaster Preparedness Program of the European Commission Humanitarian Aid Office (DIPECHO). The study, conducted in accordance with the IDNDR objectives, was undertaken by Asian Disaster Preparedness Center's Partnerships for Disaster Reduction-South East Asia (PDR-SEA) project, which emphasizes the need to address disaster related issues within the context of sustainable development, with communities targeted as major beneficiaries<sup>1</sup>. Most broadly, the project aims to develop the capacities of communities to prevent or mitigate the impact of disasters.</p> <p>This report attempts to raise awareness of the early warning systems in the respective</p>			

## Appendix 4.5

countries and to provide a basis for further enhancing institutional mechanisms, technical capacities and community response options for reducing vulnerability to extreme climate events. The study has the following objectives:

- Review the international initiatives on early warning system
- Conduct a rapid appraisal of existing early warning system for hydro-meteorological hazards in DIPECHO target countries, and
- Undertake short case studies to assess community-level vulnerability and response to hydro-meteorological hazards.

Huge populations in the selected countries are highly vulnerable to hydro-meteorological hazards as large numbers of communities are settled in risk prone marginal areas. Fertile flood valleys, plains and deltas, such as the Lower Mekong River basin, are attractive to farmers as they provide access to livelihoods; but they are also most vulnerable to floods.

In urban areas, burgeoning populations are in many instances located in areas vulnerable to hazards such as tropical storms. This study is limited to the EWS for hydrometeorological hazards focusing on tropical cyclone and floods as recommended in the proposal approved by the European Commission Humanitarian Aid Office (ECHO).

## Appendix 4.5

No.:	CM-02	Published Year:	2009
Study/ Report Name:	The Economics of Climate Change in Southeast Asia: A Regional Review		
Access to Information:	<a href="http://www.climatechange-foodsecurity.org/uploads/ABD_ec_climate-change-se-asia.pdf">http://www.climatechange-foodsecurity.org/uploads/ABD_ec_climate-change-se-asia.pdf</a>		
Research Organization:	UNESCO (ICHARM)/PERI		
Study Area (Country):	Indonesia, Philippines, Singapore, Thailand, Viet Nam (5 countries)		
Studied Hazard:			
Studied Damage/ Risk:	Hazard		
Main Data Sources:			
<p>Summary of the Study:</p> <p>The Economics of Climate Change in Southeast Asia: A Regional Review is the result of a 15-month long Asian Development Bank (ADB) technical assistance project, funded by the Government of the United Kingdom, which examines climate change issues in Southeast Asia, with a particular focus on Indonesia, Philippines, Singapore, Thailand, and Vietnam. The study is intended to enrich the debate on the economics of climate change that includes the economic costs and benefits of unilateral and regional actions. It seeks to raise awareness among stakeholders of the urgency of the grave challenges facing the region, and to build consensus of the governments, business sectors, and civil society on the need for incorporating adaptation and mitigation measures into national development planning processes. The study involves reviewing and scoping of existing climate studies, climate change modeling, and national and regional consultations with experts and policy-makers. It examines how vulnerable Southeast Asia is to climate change, how climate change is impacting the region, what adaptation measures have been taken by the five study countries to-date, how great the region's potential is to reduce greenhouse gas (GHG) emissions in the future, how Southeast Asia can step up adaptation and mitigation efforts, and what the policy priorities are. Southeast Asia is highly vulnerable to climate change.</p> <p>The study observed that climate change is already affecting Southeast Asia, with rising temperature, decreasing rainfall, rising sea levels, increasing frequency and intensity of extreme weather events leading to massive flooding, landslides and drought causing extensive damage to property, assets, and human life. Climate change is also exacerbating the problem of water stress, affecting agriculture production, causing forest fires, degrading forests, damaging coastal marine resources, and increasing outbreaks of infectious diseases. The report urges that Southeast Asian countries should treat adaptation as an extension of sustainable development practices. Its key elements include: adapting agricultural practices</p>			

to changes in temperature and precipitation; adapting water management to greater risk of floods and droughts; adapting coastal zone management to higher sea levels; safeguarding forest areas from forest fires and degradation; adapting people to threats of vector-borne infectious diseases. Southeast Asia countries need to take timely action to adapt to climate change, build resilience, and minimize the costs caused by the impact driven by GHG emissions that have been locked into the climate system.

Climate change is happening now in Southeast Asia, and the worst is yet to come. If not addressed adequately, it could seriously hinder the region's sustainable development and poverty eradication efforts—there is no time for delay. The review identifies a number of factors that explain why the region is particularly vulnerable. Southeast Asia's 563 million people are concentrated along coastlines measuring 173,251 kilometers long, leaving it exposed to rising sea levels. At the same time, the region's heavy reliance on agriculture for livelihoods—the sector accounted for 43% of total employment in 2004 and contributed about 11% of GDP in 2006—make it vulnerable to droughts, floods, and tropical cyclones associated with warming. Its high economic dependence on natural resources and forestry—as one of the world's biggest providers of forest products—also puts it at risk. An increase in extreme weather events and forest fires arising from climate change jeopardizes vital export industries.

Rapid economic growth and structural transformation in Southeast Asia helped lift millions out of extreme poverty in recent decades. But poverty incidence remains high—as of 2005, about 93 million (18.8%) Southeast Asians still lived below the \$1.25-a-day poverty line—and the poor are the most vulnerable to climate change. The review has also assessed a wide range of evidence of climate change and its impact in Southeast Asia to date. It tells a clear story: mean temperature increased at 0.1–0.3°C per decade between 1951 and 2000; rainfall trended downward during 1960–2000; and sea levels have risen 1–3 millimeters per year.

## Appendix 4.5

No.:	CM-003	Published Year:	2011
Study/ Report Name:	CLIMATE VARIABILITY AND CLIMATE CHANGES, AND THEIR IMPLICATION		
Access to Information:	<a href="http://www.undp.or.id/pubs/docs/Final%20Country%20Report%20-%20Climate%20Change.pdf">http://www.undp.or.id/pubs/docs/Final%20Country%20Report%20-%20Climate%20Change.pdf</a>		
Research Organization:	UNDP		
Study Area (Country):	Indonesia		
Studied Hazard:			
Studied Damage/ Risk:	Hazard		
Main Data Sources:			
<p>Summary of the Study:</p> <p>In the past four decades, climate related hazards such as floods, droughts, storms, landslides and wild fires have caused major loss of human lives and livelihoods, the destruction of economic and social infrastructures as well as environmental damages. Within the period of 2003-2005 alone, there were about 1,429 disaster incidences in Indonesia. About 53.3% were hydro-meteorological disasters (Bappenas and Bakornas PB, 2006). Of this figure, floods occur most often (34%), followed by landslides at 16%. A report from UN-OCHA (2006) indicates that Indonesia is one of the vulnerable countries to climate related hazards (Figure 1). In the future, a changing climate brought about by global warming is expected to create new patterns of risk, and higher risks generally. Sea level rise due to melting glaciers and polar ice and thermal expansion will contribute to the increase of coastal flooding. Increasing intensity of tropical cyclones observed in recent decades may be tied to increasing sea surface temperatures. By impacting the hydrologic cycle, global warming is expected to alter climatic ranges, shift regional climatic averages, resulting in shifting of climate zones, and lead to a higher frequency and amplitude of weather events. Climate variability and change occurring against a backdrop of increasing global population and globalization of economic processes may be expected to lead to increased competition over resources and new vulnerabilities. With the increase of climate risk, many countries, particularly least developed and developing countries, may have difficulties to achieve the Millennium Development Goals related to poverty, hunger and human health.</p> <p>This country report describes briefly the type of climate hazards in Indonesia and their impact on various sectors, trends of climate change in the past and climate change scenarios in the future as well as their implication on the sectors. Views from sectors on how to address this climate change impact are summarized in the last chapter. The country report was developed based on data and information provided by sectors, reviewed journal articles and project reports. Scientific explanations are not discussed in detail, however, where relevant,</p>			

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short notes on the methodology used for data analysis are provided as foot notes.

Appendix 4.5

No.:	CM-004	Published Year:	2011
Study/ Report Name:	Typhoon HAIMA in the LAO PEOPLE'S DEMOCRATIC REPUBLIC		
Access to Information:	<a href="http://www.gfdr.org/sites/gfdr.org/files/Haima_JDLNA_Report.pdf">http://www.gfdr.org/sites/gfdr.org/files/Haima_JDLNA_Report.pdf</a>		
Research Organization:	GFDRR / World Bank		
Study Area (Country):	LAO PDR		
Studied Hazard:	typhoon		
Studied Damage/ Risk:	Hazard		
Main Data Sources:			
<p>Summary of the Study:</p> <p>On June 24-25, 2011, Typhoon Haima hit the Northern and Central parts of the Lao PDR causing heavy rain, widespread flooding and serious erosion in the provinces of Xiengkhouang, Xayaboury, Vientiane and Bolikhamxay. The National Disaster Management Office (NDMO) reported that more than 87,403 people of 362 villages in 36 districts had been directly affected by the disaster. At least 18 people were killed and one injured as a direct result of the floods. Flood water destroyed houses, crops, schools, hospitals, roads, bridges, electricity poles, extension lines, communication systems, and caused widespread damage to irrigation schemes, aquaculture infrastructure and riverbanks. The Lao Government acted quickly, helping the communities to evacuate, mobilising volunteers to search for and rescue the victims, and delivering immediate emergency aid as well as temporary restoration of life line facilities and houses of people. In addition, it has continued to provide food support to the most affected communities. During field visits by the Joint Damage, Losses and Needs Assessment (JDLNA) teams (25th July to 5th August 2011), communities expressed satisfaction with the timeliness and quality of the relief and early recovery support provided by various government agencies.</p> <p>This Report is a collective output of the collaboration and efforts made jointly between the Government of Lao PDR and the development partners in assessing the damage, losses and resource needed for recovery, restoration of people's livelihoods, and improving the climate resilience of the affected sectors in the short, medium and longer terms. This report also highlights some of the government commitments to improve its internal coordination and reporting system for disaster emergency response and preparedness between the line ministries at the central and local levels, as well as to establish the Monitoring and Evaluation (M&amp;E) framework for long term reconstruction and recovery.</p>			



Appendix 4.5

No.:	CM-005	Published Year:	不明
Study/ Report Name:	Disaster Risk Management Programs for Priority Countries East Asia and Pacific		
Access to Information:			
Research Organization:	GFDRR / World Bank		
Study Area (Country):	Philippines		
Studied Hazard:			
Studied Damage/ Risk:	Hazard		
Main Data Sources:			
<p>Summary of the Study:</p> <p>The Philippines is considered one of the most disaster-prone countries in the world. Its location makes it vulnerable to a variety of natural disasters. Lying on the western rim of the Pacific and along the circum-Pacific seismic belt, it is subject to storms, typhoons, earthquakes, floods, volcanic eruptions, droughts and faces other natural hazards. Disasters are a serious threat to people and economic assets, particularly in densely populated areas. At least 60 percent of the total land area of the country is exposed to multiple hazards, and as a result 74 percent of its population is vulnerable.</p> <p>The groundwork to mainstream Disaster Risk Reduction (DRR) has already been laid out in the Philippines. The country is committed to include the Hyogo Framework for Action (HFA) 2005-2015 in its long term development agenda as evidenced by the various initiatives conducted. There is recognition from all sectors of society that knowledge, capacities, and awareness on DRR have to be improved and mainstreamed. But many actions require reforms in policies and resource allocation and distribution.</p> <p>Under these circumstances indicated above, in order to prepare this Country DRM Note, consultations were undertaken with members of the World Bank Philippines Country Team, the National Disaster Coordinating Council of the Philippines, the Department of Budget Management, and the Department of Interior and Local Government. The report builds on the Strategic National Action Plan (2009-2019) for Strengthening Disaster Risk Reduction in the Philippines, which the Philippine government and a broad base of stakeholders are finalizing to support the Hyogo Framework for Action.</p>			

## Appendix 4.5

No.:	CM-006	Published Year:	2012
Study/ Report Name:	THAILAND TECHNOLOGY NEEDS ASSESSMENTS REPORT FOR CLIMATE CHANGE ADAPTATION		
Access to Information:	<a href="http://tech-action.org/TNAreports/TechnologyNeedsAssessment-Adaptation_Thailand.pdf">http://tech-action.org/TNAreports/TechnologyNeedsAssessment-Adaptation_Thailand.pdf</a>		
Research Organization:	UN		
Study Area (Country):	Thailand		
Studied Hazard:			
Studied Damage/ Risk:	Hazard		
Main Data Sources:			
<p>Summary of the Study:</p> <p>Thailand today faces a number of challenges affected by climate change. These include ever-increasing natural and human-made disaster such as extreme weather events, land-slide, flood, draught, rising sea level, biodiversity loss, and health damage, which if not addressed may lead to catastrophic consequences. Climate change is no longer a mere scientific concept owned by scientists but moved into our daily lives as more and more people become concerned with the complexity of this issue. The latest available data on greenhouse gas emissions from Thailand show that emissions continue to increase, underscoring the need for action while sustaining the economic reinforcement. To cope with the climate situation, it would be reasonable for Thailand to prioritize its technology strategies and identify problem areas in terms of policy objectives on mitigation and adaptation.</p> <p>As a first step, it is necessary for Thailand to assess whether their current efforts in improving technological capability have been successful in supporting mitigation and adaptation. The review and analysis of Thai technologies could reflect whether the current technology-related policies and national research system support mitigation and adaptation and whether they are in harmony with other related impacts such as social acceptance and economic cost. Appropriate approaches to the technologies that would best-suit the stage of national development would be desirable. These investigations could provide a wide range of strategic options for policy-making both in the short and longer terms.</p> <p>The National Science Technology and Innovation Policy Office (STI) continues to broaden and deepen its involvements in climate change mitigation and adaptation, particularly, in technology development and technology transfer policy. However, any technological change does not occur in isolation. It can have considerable impact on the people, culture, economy, and society in the overall context. Scientists, investors, economists and policy makers should work together towards developing technology with full awareness of the complex interactions and relationships within the system. STI's aim is, therefore, to bridge the</p>			

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cooperation among government agencies, private sectors, academia and industry in strengthening the policy implementation in a sustainable manner. In response to the global and local climate concerns, STI conducts the research project entitled “Technology Needs Assessments and Technology Action Plans Report for Climate Change Mitigation/Adaptation in Thailand” among one of the first fifteen countries from Africa, Asia, Latin America, Caribbean, and Europe to conduct the projects funded by the UNEP Division of Technology, Industry and Economics (DTIE) in collaboration with the UNEP Risoe Centre.

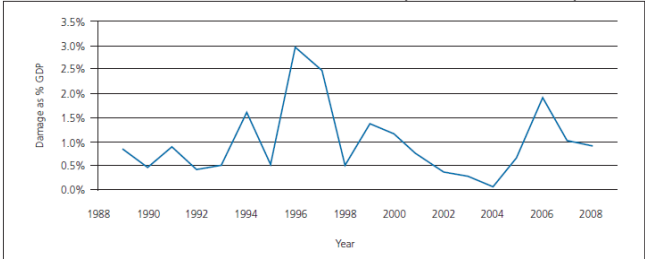
Appendix 4.5

No.:	CM-007	Published Year:	2011
Study/ Report Name:	Weathering the Storm: Options for Disaster Risk Financing in Vietnam		
Access to Information:	<a href="http://www.gfdr.org/sites/gfdr.org/files/Viet%20Nam%20Fiscal%20Impact%20Study.pdf">http://www.gfdr.org/sites/gfdr.org/files/Viet%20Nam%20Fiscal%20Impact%20Study.pdf</a>		
Research Organization:	World Bank		
Study Area (Country):	Vietnam		
Studied Hazard:			
Studied Damage/ Risk:	Hazard		
Main Data Sources:			

Summary of the Study:

Vietnam is one of the world’s most exposed countries to multiple natural disasters, including tropical cyclones (typhoons), tornados, landslides and droughts. An estimated 59 percent of its total land area and 71 percent of its population are prone to cyclones and floods. The human and economic impacts of natural disasters are significant and could increase further in the future due to climate change. Over the past 20 years, natural disasters have resulted in the loss of over 13,000 lives and annual damage equivalent to an average 1 percent of GDP, including to residential housing and public-sector property, agriculture, and infrastructure. Moreover, there are rising concerns about the impact of climate change on the frequency and intensity of climatic hazards in Vietnam. The country has been identified as one of the five worst affected countries by climate change because a large proportion of the population, industry, infrastructure and agriculture are concentrated in the narrow coastal strip and low-lying Red River Basin and Mekong Delta (World Bank 2005a). The GoV has developed a strategy and institutional framework to strengthen Vietnam’s resilience to disasters. Strengthening disaster management remains a priority for the GoV. The report has been prepared under the overall guidance of Victoria Kwakwa (Country Director, EACVF World Bank) and Hoonae Kim (Sector Manager, EASVS, World Bank).

Value of Natural Disasters as Percentage of Gross Domestic Product (1998 to 2008)



Source: World Bank analysis of CCFS damage data in VND.

In November 2007, the Government approved the National Strategy for Natural Disaster Prevention, Response and Mitigation to 2020. This strategy recommends the development of catastrophe risk financing solutions (including insurance) to complement other disaster risk management measures.

Appendix 4.6

No.:	LS-001	Published Year:	2011
Study/ Report Name:	Multi-Hazard Risk Assessment in the Rakhine State,		
Access to Information:	<a href="http://www.gripweb.org/gripweb/sites/default/files/documents_publications/Hazard_Assessment_Report%20reduced.pdf">http://www.gripweb.org/gripweb/sites/default/files/documents_publications/Hazard_Assessment_Report%20reduced.pdf</a>		
Research Organization:	United Nations Development Program (UNDP)		
Study Area (Country):	Myanmar		
Studied Hazard:	Cyclones and Storm Surge Riverine Flood Landslides Rural and Forest Fire Earthquakes Tsunami		
Studied Damage/ Risk:	Landslide hazard susceptibility by 5 grading		
Main Data Sources:	Slope:ASTER DEM, Geology: Myanmar Geo-science Society (MGS), Land use: Myanmar Information Management Unit (MIMU, 2000) with updated from Google map (Year 2003-2010), Soil type and Geomorphologic info: FAO (2006) and Landsat ETM imagery, Trigger factors: Department of Meteorological and Hydrology (DMH) of Myanmar, National Seismic Hazard Maps of Myanmar by the Myanmar Earthquake Committee and Myanmar Earthquake Risk Assessment by ADPC and the Department of Meteorology and Hydrology		

Summary of the Study:

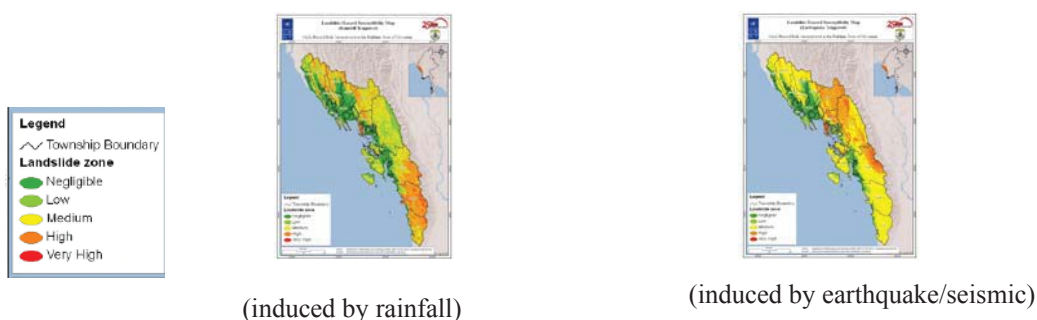
1) overview

This report presents a comprehensive risk profile of the Rakhine State of Myanmar. This study systematically investigated the vulnerability of communities to various natural hazards and identified what natural disasters could affect the region and its vulnerability in relation to these hazards. Through the whole course of the project implementation, GRIP has provided full technical support and guidance including reviewing the report.

2) Landslide hazard susceptibility Map

The map of landslide hazard susceptibility zones in Rakhine State of Myanmar, as shown in below, shows the spatial distribution of landslide hazard susceptibility zones induced by rainfall and earthquake at state level.

Landslide hazard susceptibility map



Appendix 4.6

No.:	LS-002	Published Year:	2010
Study/ Report Name:	Developing a national risk profile of Lao PDR		
Access to Information:	<a href="http://www.gripweb.org/gripweb/?q=countries-risk-information/disaster-risk-profiles/national-risk-profile-laos">http://www.gripweb.org/gripweb/?q=countries-risk-information/disaster-risk-profiles/national-risk-profile-laos</a>		
Research Organization:	UNDP		
Study Area (Country):	Lao PDR		
Studied Hazard:	Flood, Storm, Landslide, Earthquake, Epidemic, UXO, Drought		
Studied Damage/ Risk:	landslide susceptibility zoning by semi-quantitative approach		
Main Data Sources:	Elevation :ASTER DEM, Land use: National Geographic Department (NGD), Geology: Department of Mines and Geology (DMG), Precipitation: Department of Meteorology and Hydrology (DMH)		

Summary of the Study:

1) overview

This report presents a comprehensive national risk profile of Lao PDR including all hazard-prone areas (based on historic disaster events), identifying and assessing the exposure, vulnerability and risk of people, property, critical facilities, infrastructure and economic activities in those hazards prone areas; and creating preliminary national multi-hazard profiles, in terms of the type of hazard and affected sectors.

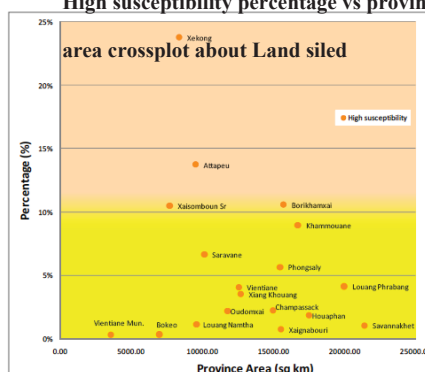
2) out line of Landslide hazard

Larger part of the country is falling under low to medium landslide susceptibility zones. Only 5.24 % of the country is prone to very high and high of landslide susceptibility. These high susceptible zones are localized in south east and central part of Lao PDR.

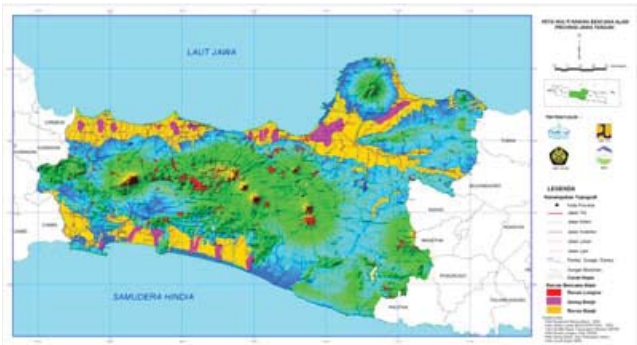
The landslide hazard assessment methodology uses a semi-quantitative approach which considers explicitly a number of factors influencing the stability. Four thematic layers are created, such as: slope gradient, land use, rock condition (lithology), and rainfall. Those layers are then combined with different value of weighting. Slope influences 40% of landslide occurrence, land use contributes 20%, lithology for 20%, and rainfall attributes for 20%. The approach results to susceptibility

map with ranks of 1 to 5 which defines the landslide susceptibility from safe (negligible) to very susceptible (very high). Provincial and district boundary marked as overlay layers for more detailed spatial distribution.

High susceptibility percentage vs province area crossplot about Land siled



Appendix 4.6

No.:	LS-003	Published Year:	2006~
Study/ Report Name:	National Coordinating Agency for Surveys and Mapping (BAKOSURTANAL)		
Access to Information:	www.bakosurtanal.go.id/multihazard/		
Research Organization:	National Coordinating Agency for Surveys and Mapping (BAKOSURTANAL)		
Study Area (Country):	Indonesia		
Studied Hazard:	Massmovement, Flood		
Studied Damage/ Risk:	Disaster Risk		
Main Data Sources:	PU,ESDM,BMG		
<p>Summary of the Study:</p> <p>1)overview</p> <p>In the middle of 2006 was declared cooperation four government institutions there are; National Coordinating Agency for Surveys and Mapping (BAKOSURTANAL), Department of Public Works (PU), Department of Mineral Resources and Energy (ESDM), and Geophysics and Meteorology Agency (BMG). The scope of this project was build disaster map on national and local scale especially focused on flood and mass movement disaster with the same used of based (topographic) map which prepared by BAKOSURTANAL then disaster spatial data supported by ESDM for mass movement disaster, PU supported for flood hazard data, while BMG giving for next 2 months rainfall prediction.</p> <p>2)Disaster risk map</p> <p>The actual output from this collaboration are disaster maps (flood and mass movement) , called one of the thematic maps, overlaying with rainfall prediction for 2 next months both on national or local level divide by provincial or regency administration boundary. The spatial disaster data is shown with the same based map and same map parameters as well as standard datum and reference of map projection.</p> <p>The thematic map of Disaster risk cannot obtain from the web site. The explanation of this study is described by On Integrating of Multi-Hazard Mapping in Indonesia (Habib Subagio2009). <a href="http://www.gisdevelopment.net/application/natural_hazards/overview/mma09_habib.htm">http://www.gisdevelopment.net/application/natural_hazards/overview/mma09_habib.htm</a></p> <p>The sample of disaster risk map can see on that web site shown as blow.</p>			
			
<p><b>Fig.3: Map of Natural Multi Hazard in Center of Java Province</b></p>			



No.:	LS-004	Published Year:	2006~
Study/ Report Name:	Pengenalan Gerakan Tanah (Introduction to Soil Movement) and Geology Hazard Vulnerability Mapping		
Access to Information:	<a href="http://www.esdm.go.id/publikasi/lainlain.html">http://www.esdm.go.id/publikasi/lainlain.html</a>		
Research Organization:	Ministry of Energy and Mining Resouce(MEMR)		
Study Area (Country):	Indonesia		
Studied Hazard:	Landslide Tsunami Volcano Earthquake		
Studied Damage/ Risk:	Hazard area		
Main Data Sources:	Not clear		

Summary of the Study:

Events and Victim of Landslide 2003-2005

1)overview

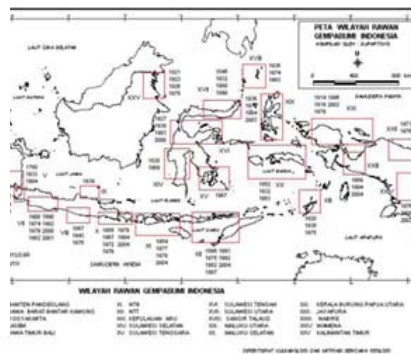
This site explains general nature of landslide disaster in Indonesia, approximate amount of event and victim in 2003-2005 and hazard area of that country.

The data of those are not so detailed but there are at local (province and regency) scale maps, which this agency developed with spatial analysis process from some parameters using GIS except on Map of Volcanic Hazard Areas due to already mapping in each volcanic area. This product is called Geology Hazard Vulnerability Mapping which contains of; Tsunami Inundation Area, Mass Movement Area, Land Stability Index, Earthquake Hazard Area, and other thematic maps which supported of these products Map of Earthquake Hazard Areas in Indonesia. The detailed maps are not shown in the web-site.

DAFTAR KEJADIAN DAN KORBAN BENCANA TANAH LONGSOR 2003-2005

No.	Propinsi	Jumlah Kejadian	Korban Jiwa		RH	RR	RT	LPR (ha)	JL (m)
			MD	LL					
1.	Jawa Barat	77	166	108	198	1751	2290	140	705
2.	Jawa Tengah	15	17	9	31	22	200	1	75
3.	Jawa Timur	1	3	-	-	27	-	70	-
4.	Sumatera Barat	5	63	25	16	14	-	540	60
5.	Sumatera Utara	3	126	-	1	40	8	-	80
6.	Sulawesi Selatan	1	33	2	10	-	-	-	-
7.	Papua	1	3	5	-	-	-	-	-
	<b>Jumlah</b>	<b>103</b>	<b>411</b>	<b>149</b>	<b>256</b>	<b>1854</b>	<b>2498</b>	<b>751</b>	<b>920</b>

PETA ZONA KERENTANAN TANAH LONGSOR INDONESIA (Landslide Vulnerability Zone Map IN.)



(Index map of detailed landslide vulnerability zone )

Appendix 4.6

No.:	LS-005	Published Year:	2008
Study/ Report Name:	Multihazard Maps and Susceptibility Maps		
Access to Information:	<a href="http://www.phivolcs.dost.gov.ph/index.php?option=com_content&amp;view=article&amp;id=465&amp;Itemid=500028">http://www.phivolcs.dost.gov.ph/index.php?option=com_content&amp;view=article&amp;id=465&amp;Itemid=500028</a>		
Research Organization:	Philippine Institute of Volcanology and Seismology (PHIVOLCS)		
Study Area (Country):	Philippines		
Studied Hazard:	Landslide, Tsunami, Rupture, Shaking, Liquefaction, Active Fault		
Studied Damage/ Risk:	Susceptibility of hazards		
Main Data Sources:	original		

Summary of the Study:

1)overview

The PHIVOLCS is composed of four technical divisions: (1) Volcano Monitoring and Eruption Prediction Division (VMEPD), (2) Seismological Observation and Earthquake Prediction Division (SOEPD), (3) Geology and Geophysics Research and Development Division (GGRDD) and (4) Geologic Disaster Awareness and Preparedness Division (GDAPD), and a Finance and Administrative Division (FAD) .

The institute objects 6 fields ,which includes natural hazard studies as shown in below.

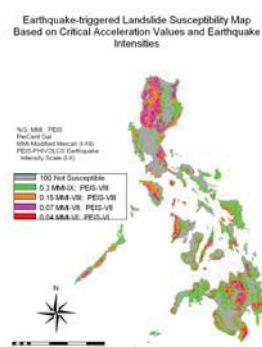
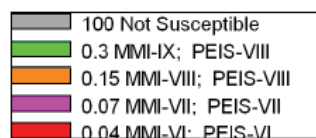
To adapt and develop technologies for volcanic eruption and earthquake prediction, volcano and seismic monitoring and disaster mitigation.

To conduct R&D on the impact of volcanic eruption, earthquake and other related geotectonic phenomena on the physical and socio-economic environment and recommend appropriate measures for the mitigation of impacts and rehabilitation of affected areas.

To implement an aggressive S&T information processing and dissemination program to promote public awareness on the significance of volcanic activity, earthquakes and related geotectonic processes and their threats and possible benefits to man.

2)Multihazard map

Multihazard Maps and Susceptibility Maps show hazard area in the scale of whole country and by province( Aurora, Bohol, Cavite, Dinagat, Leyte, Southern Leyte, Surigao del Norte, Surigao del Sur are available at present time) .



National map



Provincial map

Appendix 4.6

No.:	LS-006	Published Year:	2010
Study/ Report Name:	Synthesis Report on Ten ASEAN Countries Disaster Risks Assessment		
Access to Information:	<a href="http://www.unisdr.org/files/18872_asean.pdf">http://www.unisdr.org/files/18872_asean.pdf</a>		
Research Organization:	UNISDR/World Bank		
Study Area (Country):	An assessment of disaster risks in ten ASEAN countries		
Studied Hazard:	earthquakes, tropical cyclonic storms (typhoons), floods, landslides, tsunamis, droughts, and forest fires.		
Studied Damage/ Risk:	Hazard profile and Risk profile		
Main Data Sources:	CRED EM-DAT, ADRC, NGDC, GSHAP, MRC, WAMIS, DWR, Munich Re, World Bank, UNISDR, GAR, InTerragate, IFNet, and CCFSC, DESINVEN-TAR 1970-2009		

Summary of the Study:

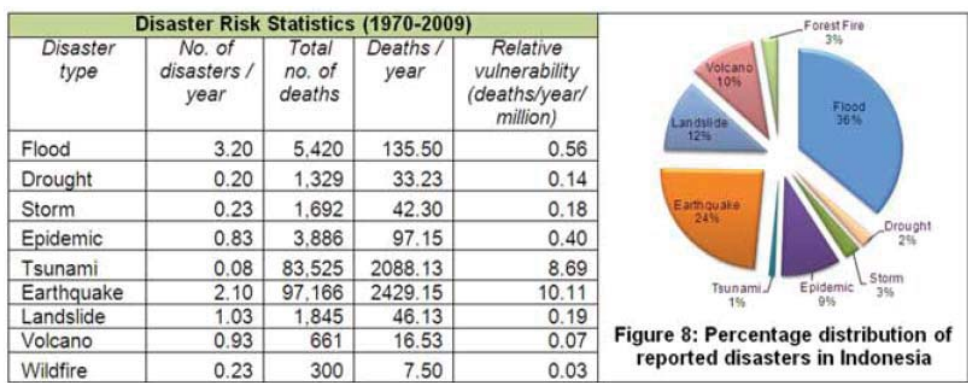
1)overview

This synthesis report on the Ten ASEAN Countries is based on a desk review of existing studies by academia, governments and international governmental and non-governmental organizations. Risk assessments are carried out directly based on recorded historical losses. The economic loss probability estimates presented in this report are not intended for designing catastrophe insurance schemes, which require a much more detailed approach that models hazard, exposure and vulnerability of buildings and infrastructure.

2)landslide and mudslide analysis

Landslide and mudslide analysis data sources are shown in above table (Main Data Sources). The landslide hazard risks maps were derived from the GAR Preview platform (GAR, 2009; <http://previewgrid.unep.ch>), has 10km grid resolution. This report explains overview, Regional setting, Hazard profile and Risk profile of each 10 countries separately.

Assessment sample of Natural disaster (Indonesia)



Appendix 4.6

No.:	LS-007	Published Year:	2005
Study/ Report Name:	Natural Disaster Hotspots:A Global Risk Analysis		
Access to Information:	<a href="http://sedac.ciesin.columbia.edu/data/set/ndh-landslide-hazard-distribution/maps">http://sedac.ciesin.columbia.edu/data/set/ndh-landslide-hazard-distribution/maps</a>		
Research Organization:	World Bank,		
Study Area (Country):	Whole World		
Studied Hazard:	Flood, Landslide, Drought, drought,earthquakes, storms, volcanoes		
Studied Damage/ Risk:			
Main Data Sources:			

Summary of the Study:

1)overview

This study presents a global view of major natural disaster risk hotspots—areas at relatively high risk of loss from one or more natural hazards. It summarizes the results of an interdisciplinary analysis of the location and characteristics of hotspots for six natural hazards. Data on these hazards are combined with state-of-the-art data on the sub-national distribution of population and economic output and past disaster losses to identify areas at relatively high risk from one or more hazards. This study belongs to the project of Global Risk Identification Program (GRIP) by the world bank, which objects a framework which is improved evidence base for disaster risk management to enable the application and prioritisation of effective disaster risk reduction strategies at the national, regional and global scales.

2)

And a web site of CIESIN publishes detailed risk map of 6 hazards distribution studied in this project as shown in below. The maps are able to estimate risk levels at sub-national scales.

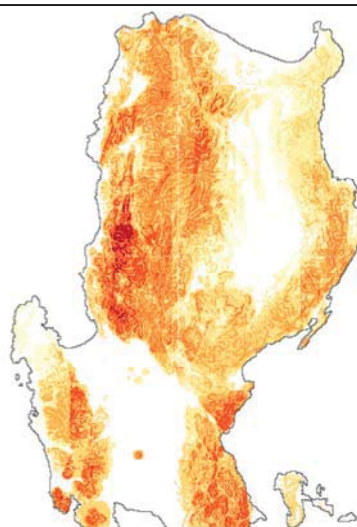
Sample of Landslide Hazard Distribution Map indicating Northern Philippines

Map Layer » Landslide Hazard Distribution

National Boundaries

Global Landslide Hazard Distribution

Landslide Hazard Distribution



Appendix 4.6

No.:	LS-008	Published Year:	2011
Study/ Report Name:	Disaster risk management programs for priority countries - 2nd edition		
Access to Information:	<a href="http://www.unisdr.org/we/inform/publications/20049">http://www.unisdr.org/we/inform/publications/20049</a>		
Research Organization:	UNISDR(united nations office for disaster risk reduction)		
Study Area (Country):	Indonesia, Vietnam, Philippines, Lao PDR, Cambodia,		
Studied Hazard:	All natural hazards		
Studied Damage/ Risk:	Profile, management framework, activities about disaster risk		
Main Data Sources:	The world bank, EN-DAT		
<p>Summary of the Study:</p> <p>1)overview</p> <p>This report is studying several aspects about disaster risk reduction, such as risk profile, management framework, activities and organization, concerning donor engagement and global facility to prepare comprehensive programs for disaster risk management and climate change adaptation for the next three to five years in each of the priority and donor earmarked countries by GFDRR (global facilities for disaster risk reduction). The following steps are undertaken to develop the country programs.</p> <ol style="list-style-type: none"> <li>1. Investigation of a) the underlying risk factors and b) the progress in the five priority areas of the Hyogo Framework for Action;</li> <li>2. stocktaking of ongoing risk reduction and climate change adaptation programs by key stakeholders, including UN agencies, multilateral and bilateral donors, and other partners;</li> <li>3. identification of key gaps at national, sector, and local levels;</li> <li>4. solicitation of proposals from different government and non-government entities and concerned donor agencies;</li> <li>5. analysis of the solicited proposals and consensus building in a consultative process involving a range of stakeholders, including relevant government ministries, UN organizations, multilateral and bilateral donors, INGOs and civil society actors;</li> <li>6. development of strategic comprehensive programs of support based on the gathered information.</li> </ol> <p>2)Framework and assessment of present condition</p> <p>In the report, those assessments are described as each countries separately.</p> <ol style="list-style-type: none"> <li>1: Ensure that disaster risk reduction is a national and a local priority with a strong institutional basis for implementation</li> <li>2: Identify, assess and monitor disaster risks and enhance early warning</li> <li>3: Use of knowledge, innovation, and education to build a culture of safety andresilience at all levels</li> <li>4: Reduction of the underlying risk factors (reduction of exposure and vulnerability and increase of resilience)</li> <li>5: Disaster preparedness, recovery and reconstruction at national, regional, and local levels</li> </ol>			

Appendix 4.6

No.:	LS-009	Published Year:	2009
Study/ Report Name:	Implementation Completion Memorandum of PHI: Southern Leyte Landslide Disaster Assistance Project		
Access to Information:	<a href="http://www.adb.org/sites/default/files/projdocs/2009/40217-PHI-ICM.pdf">http://www.adb.org/sites/default/files/projdocs/2009/40217-PHI-ICM.pdf</a>		
Research Organization:	ADB		
Study Area (Country):	Philippines		
Studied Hazard:	Landslide		
Studied Damage/ Risk:	Provincial Disaster Management		
Main Data Sources:	ADB project		
<p>Summary of the Study:</p> <p>This report is the completion report of the project about the landslide disaster occurred by the continuous rainfall occurred on 17 February 2006 when a rockslide-debris avalanche collapsed on barangay Guinsaugon in the municipality of St. Bernard killing 1,112 people, including 250 pupils at the Guinsaugon Elementary School.</p> <p>The project contains the development about conducting disaster management, but main target is to survey response by Southern Leyte Emergency and Rescue Team (SOLERT) and local government units (LGUs), and regular coordination with local and national disaster coordinating councils (DCCs). So detailed study of disaster management and evaluation about caused landslide are not written..</p>			

Appendix 4.6

No.:	LS-010	Published Year:	2009
Study/ Report Name:	Completion Report of Emergency Rehabilitation of Calamity Damage Project		
Access to Information:	<a href="http://www.adb.org/projects/40282">http://www.adb.org/projects/40282</a>		
Research Organization:	ADB		
Study Area (Country):	Vietnam		
Studied Hazard:	Flood, Landslide		
Studied Damage/ Risk:	hazard risk assessment		
Main Data Sources:	ADB fielded scoping missions in November 2005 and February 2006		
<p>Summary of the Study:</p> <p>1)overview</p> <p>This project contains upgrade damaged infrastructures caused by a series of typhoons and floods in 2005 to protect them against future recurrence of disasters.</p> <ul style="list-style-type: none"> <li>● Detailed terms of project are below.</li> <li>● irrigation canals serving more than 18,286 ha of irrigated land</li> <li>● 211.6 km of rural roads</li> <li>● about 98.7 km of sea dikes and flood protection embankments</li> <li>● 1 school</li> </ul> <p>A technical assistance (TA) grant was provided for advisory assistance to the government in geo-information technology for hazard risk assessment in this project. The detail of hazard risk assessment is not clear in this report.</p>			



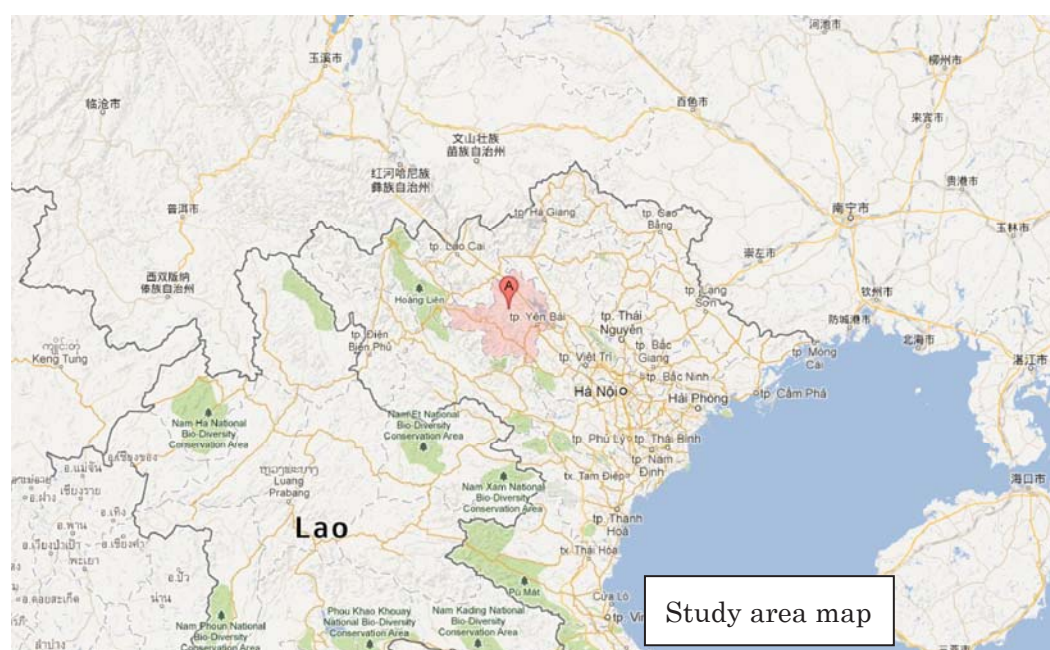
Appendix 4.6

No.:	LS-011	Published Year:	2009
Study/ Report Name:	Geo-Information Technology for Hazard Risk Assessment		
Access to Information:	<a href="http://www.adb.org/projects/40282-012/main">http://www.adb.org/projects/40282-012/main</a>		
Research Organization:	ADB		
Study Area (Country):	Vietnam		
Studied Hazard:	Geo-hazard		
Studied Damage/ Risk:	inventory of at-risk facilities, and hazard maps		
Main Data Sources:	Project activities		

Summary of the Study:

1)overview

This project did case study of Geo-Information Technology for Hazard Risk Assessment in Yen Bai.



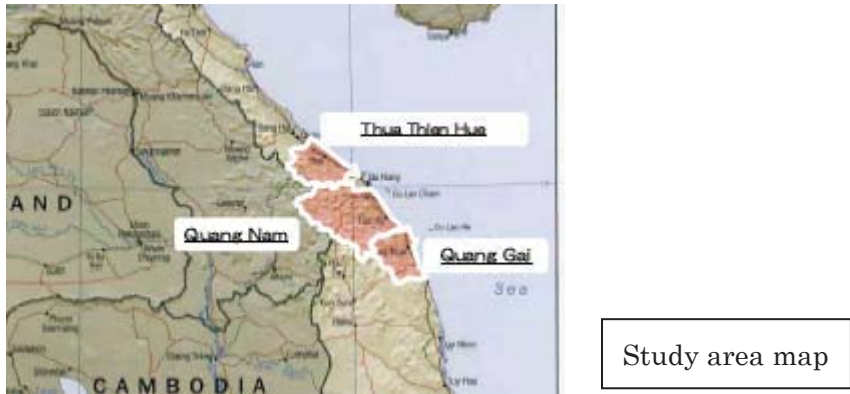
Other output is enhancement by technical assistance (TA) for Hazard Risk Assessment as shown below.

1:Improved ability to use a computer-based GIS to assess hazard risks and prepare visual presentations of vulnerability, including the capability to assess and present risk and vulnerability in economic, social, and physical terms

2:Capability built within the relevant disaster management agencies to operate and maintain the database and decision-making tools

3:Capacity built among faculty staff of WRU to use the training materials prepared under the TA.

Appendix 4.6

No.:	LS-012	Published Year:	2009
Study/ Report Name:	Project for Building Disaster Resilient Societies in Central Region in Vietnam		
Access to Information:	<a href="http://libopac.jica.go.jp/images/report/P1000003692.html">http://libopac.jica.go.jp/images/report/P1000003692.html</a>		
Research Organization:	JICA		
Study Area (Country):	Vietnam		
Studied Hazard:	water-related disasters		
Studied Damage/ Risk:	Disaster prevention ability of government and community		
Main Data Sources:			
<p>Summary of the Study:</p> <p>This report is the final report of JICA's technical supporting project for strengthening the community-centered disaster management (CCDM / CBDRM) systems in Central Vietnam. The project area is as shown in blow figure.</p>  <p>To strengthen the measures against water-related disasters and adaptation to the increasing risk caused by climate change, these problems are remaining.</p> <ol style="list-style-type: none"> <li>(1) Technique in dam management field</li> <li>(2) Technical and scientific flood management by using river and rain observation in community</li> <li>(3) River bank protection in Quang Ngai Province</li> <li>(4) Additional technical transfer to fully utilize flood simulation and GIS</li> <li>(5) Widen the target of CBDRM</li> <li>(6) Technical transfer of tsunami</li> </ol>			

Appendix 4.6

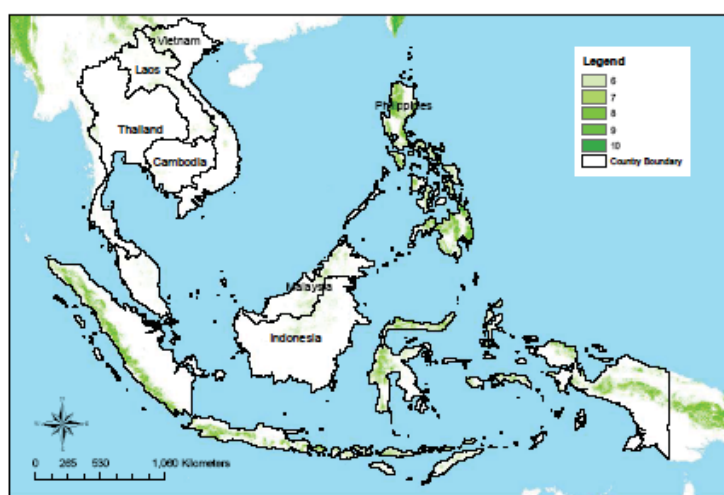
No.:	LS-013	Published Year:	2009
Study/ Report Name:	Climate Change Vulnerability Mapping for Southeast Asia		
Access to Information:	<a href="http://web.idrc.ca/uploads/user-S/12324196651Mapping_Report.pdf">http://web.idrc.ca/uploads/user-S/12324196651Mapping_Report.pdf</a>		
Research Organization:	Economy and Environment Program for Southeast Asia (EEPSEA)		
Study Area (Country):	ASEAN (Thailand, Vietnam, Laos, Cambodia, Indonesia, Malaysia, and Philippines)		
Studied Hazard:	Flood, Landslide, Drought, Tropical, cyclone Sea level rise		
Studied Damage/ Risk:	Vulnerability to climate change, flood frequency		
Main Data Sources:	Urban Extent Database (GRUMP version 1) of the (CIESIN) GEODATA portal (the Environmental Database; <a href="http://geodata.grid.unep.ch/extras/datasetlist.php">http://geodata.grid.unep.ch/extras/datasetlist.php</a> ) BAKOSURTANAL		

Summary of the Study:

This study assesses vulnerability of Southeast Asian countries (Thailand, Vietnam, Laos, Cambodia, Indonesia, Malaysia, and Philippines) of climate change including landslide. Vulnerability is defined as a function of exposure (potential loss due to a hazard), sensitivity (the potential gravity of losses and damage), and adaptive capacity (how much to adapt a hazard situation).

Adaptive capacity influences vulnerability. When adaptive capacity is low, vulnerability is high. Cambodia is among the most vulnerable in ASEAN despite its relatively low exposure to climate hazards. The eastern coast of Vietnam is susceptible to cyclones, but adaptive capacity is high to manage to moderate its vulnerability. Bangkok and Jakarta have high adaptive capacities but not enough to moderate their extreme vulnerability with high population densities and significant exposure to climate hazards.

A map shows annual landslide exposure of the region.



The map shows Landslide exposure changing rate caused by Climate change

Appendix 2D. Landslide exposure (2005)

Appendix 4.6

No.:	LS-14	Published Year:	2010
Study/ Report Name:	THE PREPARATORY STUDY ON DISASTER MANAGEMENT PROGRAM FOR INDONESIA		
Access to Information:	<a href="http://libopac.jica.go.jp/search/detail.do?rowIndex=0&amp;method=detail&amp;bibId=0000252755">http://libopac.jica.go.jp/search/detail.do?rowIndex=0&amp;method=detail&amp;bibId=0000252755</a>		
Research Organization:	JICA		
Study Area (Country):	INDONESIA		
Studied Hazard:	earthquake, flood, landslide, destructive wind, tsunami, volcano		
Studied Damage/ Risk:	The GOI policy, their achievements, current situation and critical issue on disaster management sector		
Main Data Sources:	EM-DAT,		

Summary of the Study:

1)overview

The target of the program is set to contribute to peace and prosperity in Indonesia through strengthening the comprehensive disaster risk management framework, which will increase the country's ability to cope with disasters at any stage of disaster risk management cycle (Preparedness, Mitigation, Emergency Response, Rehabilitation/Reconstruction).

2)outputs

Areal distribution of natural disasters is investigated using the EM-DAT. Highly disaster-prone areas of each natural disaster are summarized as follows.

- Landslide: North-western part of Sumatra, Java, Sulawesi and Nusa Tenggara

Identified issue of Disaster Management Cycle (HFA) and Disaster Type analysis (as shown in blow) are those.

- Many of donors cover HFA Priority 1, 2, and 3, and all types of disasters (not disaster specific)
- Response is different from types of disasters, therefore, disaster specific projects need to be implemented or considered
- Earthquake disaster especially in HFA Priority 4 on Risk Reduction is lacking
- Also, Tsunami, Volcanic disaster in HFA Priority 4 is lacking

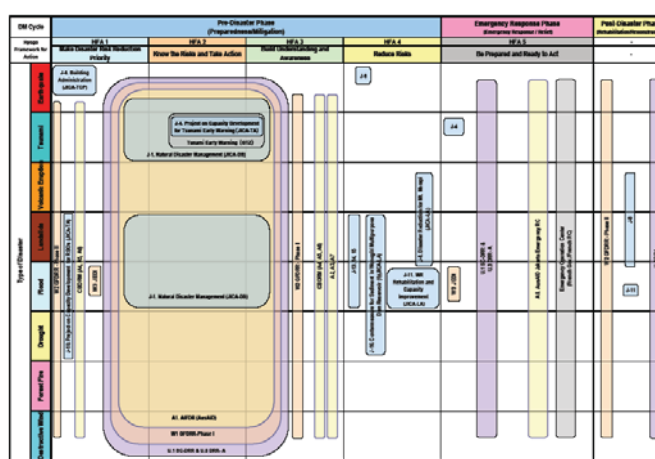


Figure 2.2.2.3 Result of Mapping 2 (Disaster Management Cycle (HFA) and Disaster Type)

Appendix 4.6

No.:	LS-15	Published Year:	On going
Study/ Report Name:	Indonesia Scenario Assessment for Emergencies (InaSAFE)		
Access to Information:	<a href="http://inasafe.org/index.html">http://inasafe.org/index.html</a>		
Research Organization:	BNPB/AIFDR/GFDRR		
Study Area (Country):	Indonesia		
Studied Hazard:	Flood, Earthquake, Tsunami		
Studied Damage/ Risk:	Real-time Hazard simulation		
Main Data Sources:	BNPB/AIFDR/GFDRR.		

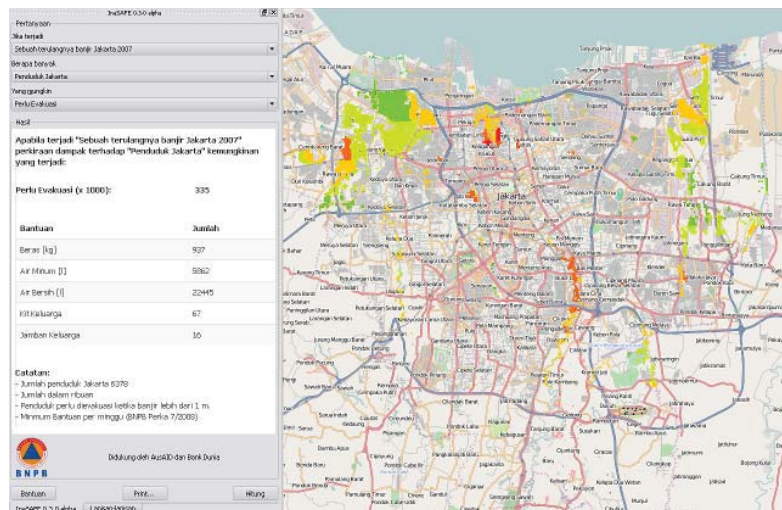
Summary of the Study:

1) overview

Indonesia Scenario Assessment for Emergencies (InaSAFE) is free software that produces realistic natural hazard (Tsunami, Flood, Tephra) impact scenarios for better planning, preparedness and response activities.

Effectively preparing for a disaster requires people from a wide range of sectors and backgrounds to effectively work together and share their experience, expertise, and resources.

A sample of out put (Jakarta flood simulation)





Appendix 4.6

No.:	LS-16	Published Year:	2008
Study/ Report Name:	Preparatory Study of the Countermeasure Project for “Banjir Bandang” (in Japanese)		
Access to Information:	<a href="http://libopac.jica.go.jp/search/detail.do?rowIndex=41&amp;method=detail&amp;bibId=0000245004">http://libopac.jica.go.jp/search/detail.do?rowIndex=41&amp;method=detail&amp;bibId=0000245004</a>		
Research Organization:	JICA		
Study Area (Country):	Indonesia		
Studied Hazard:	Landslide, Flash flood		
Studied Damage/ Risk:	Disaster record,		
Main Data Sources:	BNPB		

Summary of the Study:

1)overview

Indonesia has experienced a major disaster by the tsunami and accompanying earthquake off the coast of Sumatra in December 2004. On this occasion, in relation to disaster management coordination of activities, the Presidential Decree (No.83-2005) will be issued in 2005, the central government BAKORNAS (National Disaster Management Coordination Committee), on the state level disaster management SATKORLAK(State disaster management coordinating committee), on the prefecture level disaster management SATLAK(Prefecture disaster Management coordination Committee)to adjust to disaster management activities across the organization at each level. Coupled with the promotion of decentralization of administrative functions, some organizational changes related to disaster management are implemented at the level of each country, state, prefecture. It is a on-going step of disaster management. BAKORNAS was reorganized and renamed BNPB (Advisory Board for Natural Disaster) in October 2007.

2)result and collected data

The result of this project is summarized in that web-site.

<http://www.jica.go.jp/project/indonesia/0800040/materials/index.html>

a sample of collected data are show as below ,in which disaster of flash flood is described.

表 3.2 インドネシアにおける過去 6 年間の災害発生件数と犠牲者数 (2002 年から 2007 年)

災害の種類	発生 件数	犠牲者 数(人)	年間平均		1 件当 犠牲者
			件/年	人/年	
地震(Gempa Bumi)	68	7,061	11	1,177	104
地震+津波(Gempa Bumi dan Tsunami)	2	166,628	0	27,771	83,314
火山噴火(Letusan Gn. Api)	23	6	4	1	0
地すべり(Tanah Longsor)	357	914	60	152	3
洪水+地すべり(Banjir dan Tanah Longsor)	154	1,280	26	213	8
洪水(Banjir)	1,227	1,114	205	186	1
台風(Angin Topan)	323	56	54	9	0
大波/侵食(Gelombang Pasang/Abrasi)	63	3	11	1	0
技術的破壊(Kegagalan Teknologi)	56	1,425	9	238	25
山火事と野火(Kebakaran Hutan dan Lahan)	37	8	6	1	0
火災(Kebakaran)	286	88	48	15	0
社会騒乱(Konflik/Kerusuhan)	37	2,244	6	374	61
テロ/破壊行為(Aksi Teror/Sabotase)	25	309	4	52	12
気候変動(Perubahan Cuaca)	1	95	0	16	95

No.:	LS-17	Published Year:	2009
Study/ Report Name:	The Study on Natural Disaster Management Plan		
Access to Information:	<a href="http://libopac.jica.go.jp/search/detail.do?rowIndex=7&amp;method=detail&amp;bibId=0000246685">http://libopac.jica.go.jp/search/detail.do?rowIndex=7&amp;method=detail&amp;bibId=0000246685</a>		
Research Organization:	JICA		
Study Area (Country):	Indonesia(Junburu prefektur, provinsi dan Padang Ammann Paris,Kota Pariaman)		
Studied Hazard:	Flood, Landslide, Earthquake, Tsunami		
Studied Damage/ Risk:	Hazard and Risk		
Main Data Sources:	-		

Summary of the Study:

1)overview

The hazard assessment of natural disasters in the studying area and implementation and its evaluation about the status of disaster prevention in the level of each community and the local government at the national government have been studied.

The project recommended the plan for construct a comprehensive disaster prevention management at the level of both the countries and regions of Indonesia.

2)output

The disaster prevention level of Indonesia have been studied and present systems, such disaster records and administration structures are summarized in selected areas (Jember kabupaten, Pariaman kabupaten and Preaman City) as shown in below.

As a test-case, a hazard map and risk map of that areas is created from the collected data.

Preparedness system and emergency measures in each country and provincial levels are recommended.

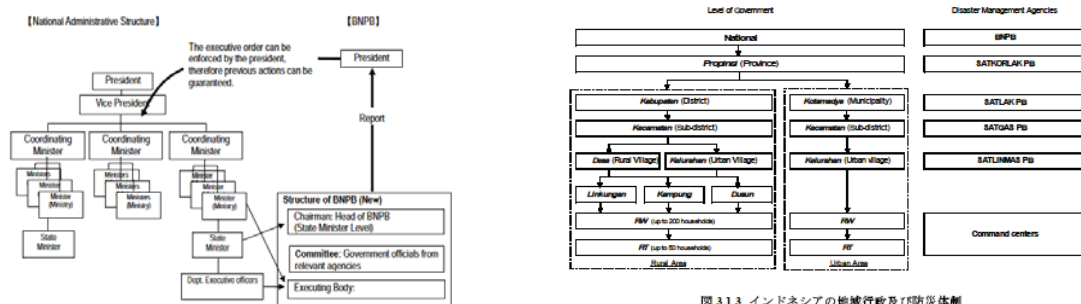
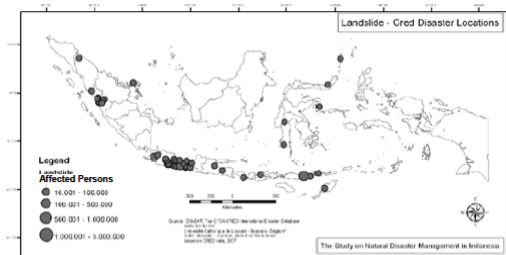
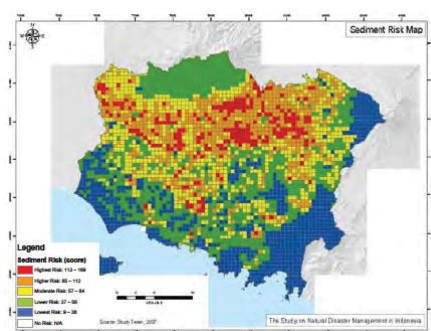


図 3.1.3 インドネシアの地域行政及び防災体制



出典: EM-DAT: OFDA/CRED 国際災害データベース

図 2.2.6 土砂災害発生位置と被災者数



Source: Study Team, 2007



Appendix 4.6

No.:	LS-18	Published Year:	2011
Study/ Report Name:	Preliminary report of Research and Development for Reducing Geo-Hazard Damage in Malaysia caused by Landslide and Flood		
Access to Information:	<a href="http://libopac.jica.go.jp/search/detail.do?rowIndex=4&amp;method=detail&amp;bibId=0000256058">http://libopac.jica.go.jp/search/detail.do?rowIndex=4&amp;method=detail&amp;bibId=0000256058</a>		
Research Organization:	JICA		
Study Area (Country):	Malaysia		
Studied Hazard:	Landslide, Flood		
Studied Damage/ Risk:	Disaster record		
Main Data Sources:	National Slope Management Plan(NSMP)		
<p>Summary of the Study:</p> <p>1)overview</p> <p>The project targets as shown in below</p> <ul style="list-style-type: none"> <li>● Data collection of landslides and floods in Malaysia,</li> <li>● Landslide and flood forecasting model development for disaster management,</li> <li>● Hazard mapping of landslides and floods utilizing remote sensing and GIS</li> <li>● Establishment of Control command center in the disaster dangerous district where landslide and flood risk is high geographically</li> <li>● Web system according to the enlightenment of landslide and flood disaster</li> </ul> <p>2)landslide of Malaysia</p> <p>Landslide occurrence record is as shown in the figure.</p>			
「マ」国の主な地すべり災害（1973年～2006年）			
年月	発生場所	死亡者	被害額:百万 RM
Oct-73	Kampung Kacang Putih, Ipoh, Perak	42	64.8
Dec-93	Highland Tower Collapse, Ampang, Selangor	48	184.9
Jun-95	Km 39 Lebuhraya KL-Karak, Genting Highland, Pahang	20	48.3
Jan-96	Km 303.8 North-South Expressway, Gunung Tempurung, Perak	1	16.7
Aug-96	Pos Dipang, Perak	44	69.0
Dec-96	Keningau, Sabah	302	458.9
Feb-99	Kg. Gelam, Sandakan, Sabah	17	29.5
Jan-02	Simunjan, Sarawak	16	28.0
Nov-02	Taman HilKriew, Hulu Kelang, Kuala Lumpur	8	17.4
Nov-03	Km 21.8 NKVE Bukit Lanjan, Selangor	-	836.0
Apr-05	Kg Melayu Bt 11, Puchong, Selangor	-	47.0
Apr-06	Km 44 Jin Simpang Pulai Cameron Highland, Pahang (Gunung Pass)	-	354.6
May-06	Kampung Pasir (Taman Bukit Zooview), Hulu Kelang, Selangor	4	20.7
出典 : NSMP, 2009			

## **Part III**

### **Lessons Learned from Extreme Natural Disasters**

## **Appendix of Part III**