

Appendix A2

Compiled Information and Data on Industrial Agglomerated Areas

A2.1 Information Source of Industrial Parks

Information sources of industrial parks are listed, referring to five countries, in addition to the three pilot countries, i.e. Indonesia, Philippine and Vietnam, including Malaysia and Thailand.

Information & Data Source

Industrial Park & Rental Factory			
Indonesia			
Category	Organization	Information & Data	
Public	ASEAN-JAPAN CENTRE	List URL	List of Industrial Park http://www.asean.or.jp/ja/asean/know/country/vietnam/invest/industrialestate/
	JETRO (Institute of Developing Economies)	Report URL	Rental Factory in Asia http://www.jetro.go.jp/jfile/report/07000837/asia_rental_factory.pdf#page=1
	JBIC	Report URL	Major Industrial Park in East Asia http://www.jbic.go.jp/ja/investment/report/2005-001/jbic_RIJ_2005001.pdf
Government	Indonesia Industry Estate Authority	Directory	INDONESIA Industry Estate Directory 2011-2012
Sumitomo Corporation	EJIP (East Jakarta Industrial Park)	Address	Overseas Industrial Park Department Team Number 2, Mr. Kota Hosaka
		Phone	+62- 21-897-0001
		Fax	+62- 21-897-0002
		E-mail	customer.service@ejip.co.id
		URL	http://www.sumitomocorp.co.jp/indpark-e/FPIP/fpip-e.html
	SCIIP(Suryacipta Industrial Park)	Address	1. Surya Lestari Ciampel - Kerawang 41361, Indonesia
		Phone	+62 267 440088 (hunting)
		Fax	+62 267 440077
		E-mail	E-mail : webmaster@suryacipta.com
		URL	http://www.sumitomocorp.co.jp/indpark-e/SCI/sci-e.html
		Address	1

		<p>Jakarta Representative Office Graha Surya Internusa, 11th Floor Jl. HR. Rasuna Said Kav. X-0, Kuningan, Jakarta 12950, Indonesia E-mail +62 21 5272882 (hunting) URL +62 21 5272881 E-mail : webmaster@suryacipta.com http://www.sumitomocorp.co.jp/indpark-e/SCI/sci-e.html 1</p> <p>Phone E-mail</p> <p>Japanese Desk Mr Tadashi Sakai, +62 -811 940411 tadashi.sakai@suryacipta.com</p> <p>Exclusive Agent For Japanese Company Mr Junichi Irie, Team Leader Sumitomo Corporation Phone Team No. 2, Overseas Industrial Park Dept. Fax Harumi Triton Square Office Tower Y, E-mail 1-8-11, Harumi, Chuo-ku, Tokyo, 104-8610 Japan +81-3-5166-3578, +81-3-5166-6372 :junichi.irie@sumitomocorp.co.jp</p>
Mitsubishi Corporation	Sembcorp Development	<p>PT Adhya Tirta Batam Address Batam Centre Square (Block D2 - 5) Jl. Engku Putri, Batam Centre Batam Island 29461, Indonesia Phone +62 778 460 955 Fax +62 778 467 008 URL http://www.sembcorp.com/en/global-presence.aspx?type=iparks</p> <p>Sembcorp Development Ltd Pone 30 Hill Street #03-01, Singapore 179360 Fax +65 6723 3900 E-mail +65 6723 3901 URL www.sembcorp.com http://www.sembcorp.com/en/src/docx/usrdocx/Facilitie</p>

			sAtAGlance.pdf
Sojitz Corporation	Green Land International Industrial City	Address	West Java Kota Bekasi Green Land International Industrial City (GIIC)
		Phone	+62-881-818-7888
		Fax	+62-21-8997-0251
		E-mail	deltamas@sojitz.com
			Tokyo Head Office
		Phone	+81-3-6871-3575
		Fax	+81-3-6871-7236
		E-Mail	http://www.kota-deltamas.jp/
		URL	http://sojitz-ip.com/ http://www.sojitz.com/jp/news/2011/20110920.htm
Itochu	Karawang International Industrial City (KIIC)	URL	Itochu http://www.itochu-realty.com/solutions/industrial_park/kiic/index.html http://www.itochu-realty.com/solutions/industrial_park/kiic/index.html#01 http://www.itochu-realty.com/solutions/industrial_park/pdf/kiic.pdf Karawang International Industrial City (KIIC)

Information & Data Source

Industrial Park & Rental Factory			
Malaysia			
Category	Organization	Information & Data	
Public	ASEAN-JAPAN CENTRE	List URL	List of Industrial Park http://www.asean.or.jp/ja/asean/know/country/vietnam/invest/industrialestate/
	JETRO (Institute of Developing Economies)	Report URL	Rental Factory in Asia http://www.jetro.go.jp/jfile/report/07000837/asia_rental_factory.pdf#page=1
	JBIC	Report	Major Industrial Park in East Asia http://www.jbic.go.jp/ja/investment/report/2005-001/jbic_RIJ_2005001.pdf

Information & Data Source

Industrial Park & Rental Factory			
Philippine			
Category	Organization	Information & Data	
Public	ASEAN-JAPAN CENTRE	List URL	List of Industrial Park http://www.asean.or.jp/ja/asean/know/country/vietnam/invest/industrialestate/
	JETRO (Institute of Developing Economies)	Report URL	Rental Factories in Asia http://www.jetro.go.jp/jfile/report/07000837/asia_rental_factory.pdf#page=1
	JBIC	Report URL	Major Industrial Park in East Asia http://www.jbic.go.jp/ja/investment/report/2005-001/jbic_RIJ_2005001.pdf
Sumitomo Corporation	FPIP(First Philippine Industrial Park)	Address Phone Fax E-mail URL	Tokyo Head Office Overseas Industrial Park Department, Team Number 2, Mr. Kota Hosaka +81-3-5166-3225 +81-3-5166-6372 kota.hosaka@sumitomocorp.co.jp http://www.sumitomocorp.co.jp/indpark-e/FPIP/fpip-e.html
Mitsubishi Corporation	Ayala Group	Address Phone E-mail URL Phone Phone E-mail	Laguna Technopark Province of Laguna +632- 577-1475 (Ayala Group) rowelong@gmail.co http://www.ayalapremierestates.com/industrial/ Laguna Technopark, Inc. +632-814-7676 +81-3-6405-3370 (Mitsubishi Corporation, Real Estate Business Mr. Nakamura) info@lagunatechnopark.com.ph
Sojitsu	Yulo Family + Belle Resources	Address	Camelray Industrial Park Carmelray Industrial Corporation 7th Floor, Rufino Plaza, 6784 Ayala Avenue, Makati City

	Filinvesto Develop	Pone	810-6306
		Fax	815--1457
		E-mail	fsz@carmelray.com
		Address	Carmelray Industrial Park I Canlubang, Calamba City,Laguna
		Phone	049-549-3077
		Fax	049- 888-5399
		Email	VLorenzo@carmelray.com
		Address	Carmelray Industrial Park II Brgy. Tulo and Punta,Calamba City,Laguna
		Phone	049-545-9372 to 77
		Fax	049-843-0055
		Email	pipalomar@carmelray2.com
		URL	http://www.carmelray.com/index.php?page=groupofcompanies&section=cip2
		Address	Filinvesto Technology Park <u>FLI HEAD OFFICE</u> Filinvest Building,79 EDSA, Mandaluyong City,1550 Philippines Trunkline(connecting all departments)
		Phone	+63-2-918-8188 <u>For Product Information</u>
		Address	Metro Manila and Luzon projects
		Phone	+63-2-850-0888
		Fax	+63-917-545-7788 <u>For Customer Service</u>
		Phone	+63-2-588-1688
		E-mail	servicedesk@filinvestland.com.ph
		URL	http://www.filinvestland.com/page.aspx?id=145

Information & Data Source

Industrial Park & Rental Factory		
Thailand		
Category	Organization	Information & Data

Public	ASEAN-JAPAN CENTRE	List URL	List of Industrial Park http://www.asean.or.jp/ja/asean/know/country/vietnam/invest/industrialestate/
	JETRO (Institute of Developing Economies)	Report URL	Rental Factories in Asia http://www.jetro.go.jp/jfile/report/07000837/asia_rental_factory.pdf#page=1
		Report URL	Rental Factories in Thailand (March 2012) http://www.jetro.go.jp/jfile/report/07000948/th_rental_factory.pdf
		Report URL	Industrial Park in Thailand (March 2011) http://www.jetro.go.jp/jfile/report/07000600/report.pdf
	JBIC	Report URL	Major Industrial Park in East Asia http://www.jbic.go.jp/ja/investment/report/2005-001/jbic_RIJ_2005001.pdf
Sumitomo Corporation	Thailand AMATA Industrial Estate	Address Phone Fax E-mail URL	Tokyo Head Office Overseas Industrial Park Department, Team Number 2 Kota Hosaka +81-3-5166-3225 +81-3-5166-6372 kota.hosaka@sumitomocorp.co.jp http://www.sumitomocorp.co.jp/indpark-e/FPIP/fpip-e.html

Information & Data Source

Industrial Park & Rental Factory			
Vietnam			
Category	Organization	Information & Data	
Public	ASEAN-JAPAN CENTRE	List URL	List of Industrial Park http://www.asean.or.jp/ja/asean/know/country/vietnam/invest/industrialestate/

	JETRO (Institute of Developing Economies)	Report URL	Rental Factory in Asia http://www.jetro.go.jp/jfile/report/07000837/asia_rental_factory.pdf#page=1
		Report	Data of Industrial Park in North & Middle Vietnam (June 2012) (in Japanese : ベトナム北部・中部工業団地データ集 (2012年6月))
		Report URL	Development of Special Economic Zones, Industrial Estates, Ports, Metropolis and Alternative Roads in the Greater Ho Chi Minh City Area” http://www.ide.go.jp/English/Publish/Download/Brc/pdf/06_chapter7.pdf
		Info. URL	Information of Economic Special Economic Zones in Vietnam http://www.jetro.go.jp/jfile/report/07000996/keizaiku-saiteichingin-tizu.pdf
	JBIC	Report URL	Major Industrial Park in East Asia http://www.jbic.go.jp/ja/investment/report/2005-001/jbic_RIJ_2005001.pdf
Government	Hai Phong District Government	URL	http://haiphong.gov.vn/Portal/Default.aspx?Organization=UBNDTP_Jp
Nomura	Nomura - Haiphong Industrial Zone	Address Phone Fax E-mail URL	Management Building Nomura-Haiphong Industrial Zone An Duong District, Haiphong City, Vietnam +84-31-3743026 3743027 +84-31-3743613 customerservice@hpnomura.com http://www.hpnomura.com/jp/index.html http://haiphong.gov.vn/Portal/Detail.aspx?Organization=ubndtp_jp&MenuID=7980&ContentID=33834

Sumitomo Corporation	TLIP (Thang Long Industrial Park)	Address	Thang Long Industrial Park, Vong La commune, Dong Anh District, Ha Noi City, Viet Nam 10,000.
		Phone	+84 3 8810620
		Fax	+84 3 8810624
			Mr. Tomoyasu SHIMIZU – General Director
		E-mail	tomoyasu.shimizu@sumitomocorp.co.jp
			Mr. Pham Van LOC – First Deputy General Director
		E-mail	pham.loc@tlip1.com
	TLIP II (Thang Long Industrial Park II)	URL	http://www.sumitomocorp.co.jp/indpark/TLIP/tlip.html http://tlip1.com/
		Address	Overseas Industrial Park Dept, Team No.2 KOTA HOSAKA
		Phone	+81-3-5166-3225
Mitsubishi Corporation	Sembcorp Development	Fax	+81-3-5166-6372
		E-mail	kota.hosaka@sumitomocorp.co.jp
		URL	http://www.sumitomocorp.co.jp/indpark/TLIP2/tlip2.html
		URL	Vietnam and Others http://www.sembcorp.com/en/contact-us.aspx (Global) http://www.sembcorp.com/en/global-presence.aspx?type=iparks
		URL	Vietnam and Others http://www.sembcorp.com/en/src/docx/usrdocx/FacilitiesAtAGlance.pdf
		URL	Vietnam http://www.vsip.com.vn/Default.aspx?pid=0010&mid=0010&mdl=2&lang=en
		Address	Vietnam Singapore Industrial Park (VSIP) (VSIP North) 1. Vietnam Singapore Industrial Park & Township Development JSC (VSIP JSC) 2nd Fl., Hanoi Lakeview Building, 28 Thanh Nien Road, Tay Ho District, Hanoi
		Phone	+84-4-3-716 2330
		Fax	+84-4-3-716 2315
		URL	

			http://www.sembcorp.com/en/integrated-urban-development-vietnam-vietnam_singapore_industrial_park.aspx http://www.vsip.com.vn/Default.aspx?pid=0009&mid=0009&mdl=2&lang=en
		Address	2.VSIP Bac Ninh Co., Ltd.
		Phone	Phu Chan Commune, Tu Son District, Bac Ninh
		Fax	(along High way 1B, 20km from Ha Noi)
		URL	+84-241-3765-668
			+84-241-3765-666
			http://www.sembcorp.com/en/integrated-urban-development-vietnam-vietnam_singapore_industrial_park.aspx http://www.vsip.com.vn/Default.aspx?pid=0009&mid=0009&mdl=2&lang=en
		Address	3. VSIP Hai Phong Co., Ltd.
		Phone	175 National Road 10, Pho Moi, Tan Duong
		Fax	Commune, Thuy Nguyen District, Hai Phong
		URL	+84-31-3959-868
			84-31-3959-886
			http://www.sembcorp.com/en/integrated-urban-development-vietnam-vietnam_singapore_industrial_park.aspx http://www.vsip.com.vn/Default.aspx?pid=0009&mid=0009&mdl=2&lang=en
		Address	(VSIP South)
		Phone	Vietnam Singapore Industrial Park J.V., Co., Ltd.
		Fax	No. 8 Dai Lo Huu Nghi, VSIP, Thuan An District, Binh
		URL	Duong Province
			+84-650-3743.898
			+84-650-3743.868
			http://www.sembcorp.com/en/integrated-urban-development-vietnam-vietnam_singapore_industrial_park.aspx http://www.vsip.com.vn/Default.aspx?pid=0009&mid=0009&mdl=2&lang=en
		Address	Sembcorp Development Ltd
			Sembcorp Parks Management Pte Ltd

		Phone	30 Hill Street, #03-01, Singapore 179360
		Fax	+65 6723 3900
		E-mail	+65 6723 3901 development@sembcorp.com
Sojitsu	Loteco		The Long Binh Industrial Zone Development Limited Liability Company
		Address	Route 15A, Long Binh Ward, Bien Hoa City, Dong Nai Province, Vietnam
		Phone	Japan : +81-3-6871-3575 Vietnam: +84-61-389-1105
		URL	http://www.sojitz-ip.com/loteco/index.html
	Long Duc	Address	Long Duc : Long Duc Ward, Long Thanh District, Dong Nai Province Sojits Ho Chi Minh Office : 183 Ly Chinh Thang St., District 3, Ho Chi Minh
		Phone	Japan: +81-3-6871-3575 Long Duc : +84-97-354-6634 Ho Chi Minh : +84-8-3931-8100
		Fax	Japan:+81-3-6871-5073 Long Duc: +84-61-399-2866 Ho Chi Minh: +84-8-3931-8100
		URL	http://www.longduc-ip.com/

REFERENCES

- 1) ASEAN-JAPAN CENTR, List of Industrial Parks
<http://www.asean.or.jp/ja/asean/know/country/vietnam/invest/industrialestate/>
- 2) Itochu Corporation
Promotion brochure for tenant companies (Karawang International Industrial City:KIIC)
- 3) JBIC Report
Major Industrial Parks in East Asia (August 2005)
http://www.jbic.go.jp/ja/investment/report/2005-001/jbic_RIJ_2005001.pdf
- 4) JETRO Website
<http://www.jetro.go.jp/>

<http://www.jetro.go.jp/world/asia/reports/07000996>

- 5) JETRO Report 「Database of Industrial Parks in north and middle Vietnam (June 2006) (in Japanese : ベトナム北部・中部工業団地データ集 (2012 年 6 月))」
- 6) Mitsubishi Corporation ・ Ayala Group Website
<http://www.ayalapremierestates.com/industrial/> Laguna Techno Park
- 7) Website of Sumitomo Corporation
<http://www.sumitomocorp.co.jp/indpark-e/SCI/sci-e.html> Suryacipta Industrial Park,
<http://www.sumitomocorp.co.jp/indpark/TLIP/tlip.html><http://tlip1.com/> Thang Long Industrial Park
<http://www.sumitomocorp.co.jp/indpark/TLIP2/tlip2.html> TLIP II Thang Long Industrial Park II

A.2.2 Organization for Promotion of Foreign Investment

The following are reference lists of organizations for promotion of foreign investment in the pilot countries, Indonesia, Philippine and Vietnam.

Organization for Promotion of Foreign Investment

Indonesia			
Category	Organization	Contact	Detail
Government	① Batam Industrial Development Authority (BIDA)	Address	<u>Head Office, Batam</u> BIDA BUILDING. BATAM CENTRE, BATAM 29400, INDONESIA
		Phone	+62-778- 462047 - 48,
		Fax	+62-778-462456, 462240, 462492
		URL	http://www.batam.go.id/home/eng/peta_orientasi.php
	② Indonesia Investment Coordinating Board (BKPM)	Address	<u>Japan BIDA Liaison Officer</u> Mr. Hajime Kinoshita ATC Building ITM 5 - M4, 1 - 10, Nanko Kita 2 - Chome, Suminoe-ku, Osaka 559-0034, Japan
			Phone +81-6-66148920,
			Fax +81-6- 66148921
			E-mail : inquiry@batam.go.id
		Address	Jl. Gatot Subroto No.44 Jakarta 12190, Indonesia
		Phone	+62 21 5292 1334
		Fax	+62 21 5264 211
		E-mail	info@bkpm.go.id
	③ Indonesian Industrial Estate Association	Address	<u>Head Office</u> Wisma Argo Manunggal 12Ath Floor, Jl. Jend. Gatot Subroto Kav. 22, Jakarta Selatan (12930) - Indonesia
			+62-21-5207442 5207462
			Phone +62-21-5207462
			Fax hkipusat@hki-industrialestate.com

	<p>④ National Team for Promotion of Export and Investment (Literal translation / Temporary)</p> <p>⑤ Regional Administration Offices for Free Trade (Literal translation / Temporary)</p> <p>⑥ Administration Office for Free Trade Zones (Literal translation / Temporary)</p> <p>⑦ National Single Window for Investment (Literal translation / Temporary)</p>	<p>E-mail</p> <p>URL</p>	<p>hkipusat@yahoo.co.id</p> <p>http://www.hki-industrialestate.com/</p>
Chamber of Commerce	Indonesia Chamber of Commerce	<p>Address</p> <p>Phone</p> <p>Fax</p> <p>Email</p> <p>URL</p>	<p>Indonesian Chamber of Commerce and Industry</p> <p><u>KADIN Business Support Desk</u></p> <p>Menara KADIN Indonesia, 24th Floor</p> <p>Jl. H. R. Rasuna Said X-5 Kav. 2-3, Jakarta</p> <p>12950 Indonesia</p> <p>+62-21-5274503</p> <p>+62-21-5274505</p> <p>info@bsd-kadin.org</p> <p>http://www.bsd-kadin.org/</p>

Organization for Promotion of Foreign Investment

Philippine			
Category	Organization	Contact	Detail
Government	① Board of Investment (BOI)	Address	5/F, Industry & Investments Bldg., 385 Sen. Gil Puyat Avenue, Makati City
		URL	http://www.boi.gov.ph/
	② Philippine Economic Zone Authority (PEZA)	Address	Roxas Blvd. corner San Luis St., Pasay City
		URL	http://peza.gov.ph/
	③ Clark Development Corporation (CDC)	Address	Bldg. 2127, C.P.Garcia St. cor. E. Quirino St., Clark Field, Pampanga
		URL	http://www.clark.com.ph/
	④ Subic Bay Metropolitan Authority (SBMA)	Address	Subic Bay Freeport Zone Bldg. 229, Waterfront Road Olongapo City 2222
		URL	http://www.sbma.com
	⑤ Zamboanga City Special Economic Zone Authority (ZCSEZA)	Address	San Ramon, Zamboanga City 7000
		URL	http://www.zambofreeport.philippine.org
	⑥ Cagayan Economic Zone Authority (CEZA)	Address	7th Floor, Westar Building, Shaw Boulevard, Pasig City 1603 Metro Manilaもしくは Administration Complex, Centro, Sta. Ana, Cagayan
		URL	http://www.ceza.gov.ph/
			http://www.aurorapacific.com.ph/
	⑦ Aurora Special Economic Zone Authority	URL	
			http://www.freeportareaofbataan.com/fab/
	⑧ Authority of the Freeport Area of Bataan	URL	BCDA

	⑨ Bases Conversion and Development Authority (BCDA)	Address	Corporate Center 2nd Floor, Bonifacio Technology Center 31st St., Crescent Park West, Bonifacio Global City, Taguig 1634 http://www.bcda.gov.ph/
		URL	
	⑩ Phividec Industrial Authority (PIA)	Address	Mindanao Container Terminal, Tagoloan, 9000 Misamis Oriental http://www.piamo.gov.ph/
		URL	
	⑪ Regional Board of Investments-ARM M (RBOI-ARMM)	Address	ORG Compound, Cotobato City, 9600 http://www.rboiarmm.org/
		URL	
Chamber of Commerce	Philippine Chamber of Commerce	URL	http://www.philippinechamber.com/index.php

Organization for Promotion of Foreign Investment

Vietnam			
Category	Organization	Contact	Detail
Government	① Ministry of Planning and Investment	Address	6B Hoang Dieu Street, Ba Dinh District, Hanoi, Vietnam
		Phone	+84 4 8455298
		Fax	+84 4 8234453
		URL	http://www.mpi.gov.vn
	② Ministry of Planning and Investment (Southern Office)	Address	178 Nguyen Dinh Chieu Street, District 3, Ho Chi Minh City, Vietnam
		Phone	+84 8 9306671
		Fax	+84 8 9305413
		URL	http://www.hapi.gov.vn/
	③ Hanoi Authority of Planning and Investment	Address	16 Cat Linh Street, Dong Da District, Hanoi, VietNam
		Phone	+84 4 38256637
		Fax	+84 4 38251733
	④ Department of	Address	32 Le Thanh Ton Street, District 1, Ho Chi Minh

	Planning and Investment of Ho Chi Minh City	Phone Fax URL	City, Vietnam +84 8 38297834 +84 8 38295008 http://www.dpi.hochiminhcity.gov.vn/
	⑤ Ministry of Industry and Trade	Address Phone Fax URL	54 Hai Ba Trung Street, Hoan Kiem District, Hanoi, Vietnam Tel: 84 4 825 3881 Fax: 84 4 826 4696 http://www.moit.gov.vn/web/guest/home
	⑥ Department of Industry and Trade of Ho Chi Minh City	Address Phone Fax URL	59-61 Ly Tu Trong Street, District 1, Ho Chi Minh City, Vietnam Tel: 84 8 829 2991 Fax: 84 8 822 4536 http://www.trade.hochiminhcity.gov.vn/index.jsp?lang=en
	⑦ Hanoi City Export Processing Zone and Industrial Park Authority	Address Phone Fax	D8A, D8B, Khu Biet Thu Giang Vo, Giang Vo, Hanoi, Vietnam +84 4 772 1156 +84 4 772 1152
	⑧ Ho Chi Minh City Export Processing Zone and Industrial Park Authority (HEPZA)	Address Phone Fax URL	35 Nguyen Binh Khiem Street, District 1, Ho Chi Minh City +84 8 8290414 +84 8 8294271 http://www.mofa.gov.vn/
Chamber of Commerce	Vietnam Chamber of Commerce and Industry (VCCI)	Address Phone Fax URL	9 Dao Duy Anh Street, Hanoi Vietnam + 84 4 574 2031 + 84 4 574 2030 http://www.vcci.com.vn
Offices in Japan	① Vietnam Chamber of Commerce and Industry, Office in Japan	Address Phone Fax	1-9-5 Hirakawa-cho, Chiyoda-ku, Tokyo, 102-0093 Japan +81 3 52157040 + 81 3 52151716
	② Hanoi Trade	Address	ShibaDaimon Building, Tokyo, Japan

	Representative Office in Tokyo (Literal translation / Temporary)	Phone E-mail	+ 81 3 57302357 Email: hanoirepoffice@hanoi-in-japan.org
	③ Da Nang City Representative Office in Japan (Literal translation / Temporary)	Address Phone Fax	6-13-4 Ginza, Ginza S2 Building 6F, Tokyo, 104-0061 Japan + 81 3 35440961 + 81 3 35440963
	④ Vietnam Embassy in Japan	Address Phone Fax	50-11, Motoyoyogi-cho, Shibuya-ku, Tokyo 151, JAPAN +81 3 3466 3313 +81 3 3466 3391

REFERENCES

1) JETRO Website

<http://www.jetro.go.jp/>

http://search.jetro.go.jp/ja_all/search.x?q=%E6%8A%95%E8%B3%87%E4%BF%83%E9%80%B2%E6%A9%9F%E9%96%A2&ie=UTF-8&page=1&sa.x=21&sa.y=13/

2) Website of government offices for investment promotion of Indonesia, Philippine and Vietnam

A2.3 Industrial Parks List (Long List)

Example Long List of industrial parks are presented as below, choosing one each from the five countries, in addition to the three pilot countries, i.e. Indonesia, Philippine and Vietnam, including Malaysia and Thailand. After receiving the output from the local consultant, Long List will be completed to be presented in Study Report 2.

I	Country	Indonesia	Long List
I-1	Industrial agglomerated area	Karawang International Industry City (KIIC) & Others	
I-1-1	Industrial Park	Karawang International Industrial City (KIIC)	

General Information

Industrial Park	Name	Karawang International Industrial City (KIIC)	
	Address	Graha KIIC 2nd FL.Jl.Permata Raya Lot C-1B,Kawasan Industri KIIC Karawang 41361,West Java,Indonesia	
	Phone number -1	(Indonesia) +62- 21- 890- 1666	
	Phone number -2	(Tokyo) +81-(0)3-3497-2601 (Itochu Corporation, Construction #3)	
	Phone number -3		
	Fax number	+62-21-890-1777	
	Contact person		
	E-mail-1	marketing@kiic.co.id	
	E-mail-2	industrial-park@itochu.co.jp	
	Website-1		
Developer	Website-2		
	Numbers of Tenents	92	
	General Description		
	Name	PT Maligi Permata Industrial Estate, Itochu Corporation	
	Address	Karawang, West Java, Indonesia	
	Phone number	(Indonesia) +62 21 890 1666	
	Phone number	(Tokyo) +81-(0)3-3497-2601 (Itochu Corporation, Construction #3)	
	Fax number	(Tokyo) +81-(0)3-3497-7044	
	Contact person		
	E-mail -1	industrial-park@itochu.co.jp	
Year of establishment	E-mail -2		
	Website -1	http://www.itochu-realty.com	
	Website -2		
	Investment amount	1995	
	Future Investment plan		
Area	Lat & Long		

Contributors' Information

	Name	amount of capital contributions	capital contribution ratio	Remark

M	Country	Malaysia	Long List
M-1	Industrial agglomerated area	Pasir Gudang Industrial Estate & Others	
M-1-1	Industrial Park	Pasir Gudang Industrial Estate	

General Information

Industrial Park	Name	Pasir Gudang Industrial Estate	
	Address	Johor State	
	Phone number -1	-60-7-222-6922	
	Phone number -2		
	Fax number		
	Contact person	Johor Technopark Sdn. Bhd	
	E-mail-1	techno@jtsb.jcorp.com.my	
	E-mail-2		
	Website-1		
	Website-2		
Developer	Numbers of Tenents	200 (32 by Japanese)	
	General Description	Good access to Johor Port at Pasir Gudang Major industry is Electrical and chemicals.	
	Name		
	Address		
	Phone number		
	Phone number		
	Fax number		
	Contact person		
	E-mail -1	tomoyasu.shimizu@sumitomocorp.co.jp	
	E-mail -2	industrial-park@itochu.co.jp	
	Website -1	http://www.sumitomocorp.co.jp/indpark-e/index.html	
	Website -2		
	Year of establishment	1977	
	Investment amount		
	Future Investment plan		
	Area	1,461ha	
	Lat & Long		

Contributors' Information

	Name	amount of capital contributions	capital contribution ratio	Remark

P	Country	Philippine	Long List
P-1	Industrial agglomerated area	Laguna Technopark and Others	
P-1-1	Industrial Park	Laguna Technopark	

General Information

Industrial Park	Name	Laguna Technopark
	Address	Province of Laguna
	Phone number -1	(Tokyo) +81-(0)3-3210-3971 (Mitsubishi, International Development)
	Phone number -2	(Philippine)+632-814-9240 (Mitsubishi Corporation, Manila Branch)
	Phone number -3	(Philippine) +632-814-7676 (Laguna Technopark Inc.)
	Phone number -3	(Philippine) +632-814-7676 (Laguna Technopark Inc.)
	Fax number	
	Contact person	
	E-mail-1	rowelong@gmail.com
	E-mail-2	info@lagunatechnopark.com.ph
	Website-1	http://www.avalapremierestates.com/industrial/
	Website-2	
	Numbers of Tenents	110 (60 by Japanes)
	General Description	* Product: Electronics, Metal Product, Chemical, Auto mobile & Motorcycle/ parts
		* Major Japanese firms Toyota Motor, Asian Isuzu Casting Centre, Daihatsu, DNP Indonesia,
Developer	Name	Ayala Group
	Address	
	Phone number	
	Phone number	
	Fax number	
	Contact person	
	E-mail -1	
	E-mail -2	
	Website -1	http://www.avalapremierestates.com/industrial/
	Website -2	
Year of establishment		1989
Investment amount		PHP230M (Philippine Peso: Yen 550M)
Future Investment plan		
Area		334ha (ploclaimed by the authority, PEZA)
Lat & Long		

Contributors' Information

	Name	amount of capital contributions	capital contribution ratio	Remark
	Ayala Group	PHP140M (Philippine P.)	61.0%	
	Mitsubishi Corporation	PHP45M (Philippine P.)	19.5%	
	JFE Steel	PHP45M (Philippine P.)	19.5%	

T	Country	Thailand	Long List
T-1	Industrial agglomerated area	AMATA Nakorn City Industrial Estate & Others	
T-1-1	Industrial Park	AMATA Nakorn Industrial Estate	

General Information

Industrial Park	Name	AMATA Nakorn Industrial Estate	
	Address	Chonburi Province	
	Phone number -1		
	Phone number -2	(Tokyo) +81-(0)3-5166-6372 (Sumitomo, Overseas Industrial Park # 1)	
	Fax number		
	Contact person	Tomoyasu Shimizu	
	E-mail-1	tomoyasu.shimizu@sumitomocorp.co.jp	
	E-mail-2	ipham.loc@tip1.com	
	Website-1	http://www.sumitomocorp.co.jp/indpark-e/AMATA/amata-e.html	
	Website-2		
Developer	Numbers of Tenents	90 (74 by Japanese)	
	General Description	Rental Factory	
		Managed by 2 Japanese	
		600 tenants in operation (more than 60% by Japanese companies)	
	Name	Sumitomo Corporation, Overseas Industrial Park # 2	
	Address	Itochu Corporation, Construction #3	
	Phone number	(Tokyo) +81-(0)3-5166-6372 (Sumitomo, Overseas Industrial Park # 1)	
	Phone number	(Tokyo) +81-(0)3-3497-2601 (Itochu, Construction # 3)	
	Fax number		
	Contact person		
	E-mail -1	tomoyasu.shimizu@sumitomocorp.co.jp	
	E-mail -2	industrial-park@itochu.co.jp	
	Website -1	http://www.sumitomocorp.co.jp/indpark-e/index.html	
	Website -2		
	Year of establishment	1989	
	Investment amount		
	Future Investment plan		
	Area	2,480ha	
	Lat & Long		

Contributors' Information

	Name	amount of capital contributions	capital contribution ratio	Remark

V	Country	Vietnam	Long List
V-1	Industrial agglomerated area	Thang Long Industrial Park and Others	
V-1-1	Industrial Park	Thang Long Industrial Park (TLIP)	

General Information

Industrial Park	Name	Thang Long Industrial Park (TLIP)	
	Address	Thang Long Industrial Park, Dong Anh District, Hanoi, Vietnam	
	Phone number -1	(Hanoi) +84 (4) 3881-0620	
	Phone number -2	(Tokyo) +81-(0)3-5166-6372 (Sumitomo, Overseas Industrial Park # 1)	
	Fax number	+84 (4) 3881-0624	
	Contact person	Tomoyasu Shimizu	
	E-mail-1	tomoyasu.shimizu@sumitomocorp.co.jp	
	E-mail-2	ipham.loc@tlip1.com	
	Website-1	http://www.sumitomocorp.co.jp/indpark-e/TLIP/tlip-e.html	
	Website-2	http://www.tlip1.com/	
	Numbers of Tenents	103 (Factory: 76, Office: 27/ Japanese: 95, Others: 8)	
	General Description	<p>Rental Office and Factory</p> <p>* Major Locator: Canon Inc., Panasonic Corporation, Denso Corporation, Sumitomo Heavy Industries, Ltd., Mitsubishi Heavy Industries, Ltd., etc. (92% by Japanese) * Located between Hanoi and Noibai International Airport, TLIP offers state of the art infrastructure and quality customer service, making TLIP the favored place for investment in northern Vietnam.</p>	
Developer	Name	Sumitomo Corporation /Thang Long Industrial Park Corporation	
	Address	Dong Anh District, Hanoi, Vietnam	
	Phone number	(Tokyo) +81-(0)3-5166-6372 (Sumitomo, Overseas Industrial Park # 1)	
	Phone number		
	Fax number		
	Contact person		
	E-mail -1	tomoyasu.shimizu@sumitomocorp.co.jp	
	E-mail -2		
	Website -1	http://www.sumitomocorp.co.jp/indpark-e/index.html	
	Website -2		
	Year of establishment	February 1997	
	Investment amount	\$24,470,000.00	
	Future Investment plan		
	Area	. 275ha	
	Lat & Long		

Contributors' Information

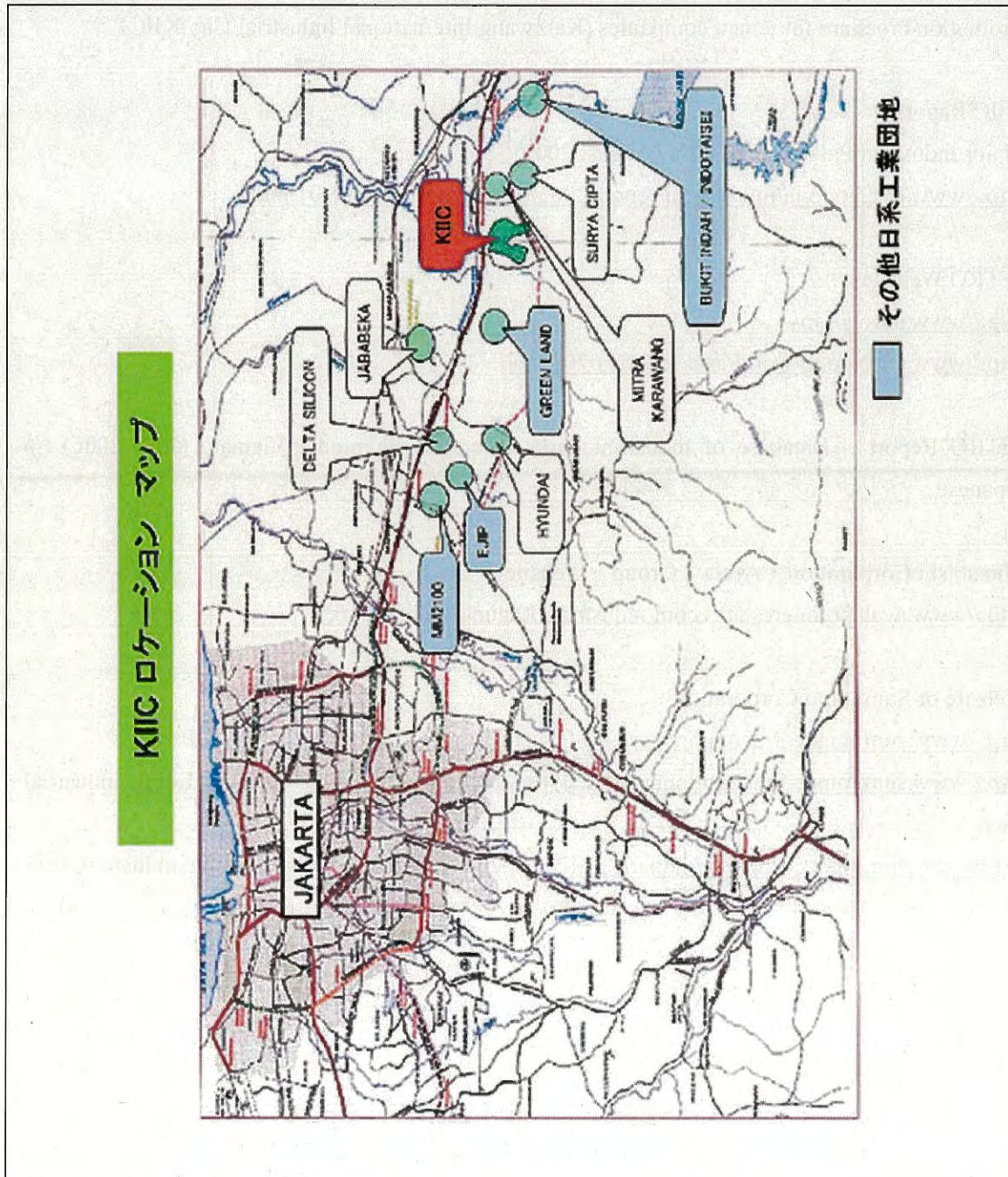
	Name	amount of capital contributions	capital contribution ratio	Remark
	住友商事	\$14,192,600.00	58%	
	Dong Anh Mechanical Company	\$10,277,400.00	42%	

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- 3) JBIC Report
Major Industrial Parks in East Asia (August 2005)
http://www.jbic.go.jp/ja/investment/report/2005-001/jbic_RIJ_2005001.pdf
- 4) JETRO Website
<http://www.jetro.go.jp/>
<http://www.jetro.go.jp/world/asia/reports/07000996>
- 5) JETRO Report 「Database of Industrial Parks in north and middle Vietnam (June 2006) (in Japanese : ベトナム北部・中部工業団地データ集 (2012 年 6 月))」
- 6) Mitsubishi Corporation ・ Ayala Group Website
<http://www.ayalapremierestates.com/industrial/> Laguna Techno Park
- 7) Website of Sumitomo Corporation
<http://www.sumitomocorp.co.jp/indpark-e/SCI/sci-e.html> Suryacipta Industrial Park,
<http://www.sumitomocorp.co.jp/indpark/TLIP/tlip.html><http://tlip1.com/> Thang Long Industrial Park
<http://www.sumitomocorp.co.jp/indpark/TLIP2/tlip2.html> TLIP II Thang Long Industrial Park II

A2.4 Industrial Parks List (Short List)

Example Short List of industrial parks are presented as below, choosing two each from the three pilot countries, i.e. Indonesia, Philippine and Vietnam. After receiving the output from the local consultant, Short List will be completed to be presented in Study Report 2.



Source: Provided from Karawang International Industrial City (KIIC)

Figure A.2.4.1 Map of Industrial Parks in Indonesia

I	Country	Indonesia	Short List
I-1	Industrial agglomerated area	Karawang International Industrial City & Others	
I-1-1	Industrial Park	Karawang International Industrial City (KIIC)	

Detail Information

Main	Detail	Description	Remark
Infrastructure (Private)			
Electrical power provision	Power specification Tariff Backup system	20KV 50HZ fixed Rp.41,794/Mo,kVA, meter Rp.1,036/kWh	Premium contract by PLN
Water supply	Tariff	fixed US\$200/mo, meter US\$ 0.95/ton	
Industrial water service	Capacity m3/day Tariff	30,000 t/day	
Sewerage system	Capacity m3/day Tariff	27,000 t/day	
Telecommunication	Telephone Optical fiber Internet	1,000 Telephone lines installed Underground Cable ISDN, ADSL	by TELEKOM
Warehouses			
Trucking distribution centre			
Train stations			
Roads	Main road Ordinary road	Width 37-47m, 8m 2lanes+2ways (4lanes) Width 29, 10m 1lane+2ways (2lanes)	
Infrastructure (Public)			
Electrical power provision	Power spec Tariff Backup system		
Water supply	Tariff		
Industrial water service	Capacity m3/day Tariff		
Sewerage system	Capacity m3/day Tariff		
Telecommunication	Inhouse service Optical fiber		
Warehouses			
Trucking distribution centre			
Train stations			
Roads			
Restaurants and/or Canteens		Japanese Restaurant 2, Indonesian 1	
Hospitals and/or Medical service stations			
Shoping centre and/or shops		convenience store for Japanese	
Housing and/or Hotels			

I	Country	Indonesia	Short List
I-1	Industrial agglomerated area	Karawang International Industrial City & Others	
I-1-1	Industrial Park	Karawang International Industrial City (KIIC)	

Tenants' Information

Number of companies	92
Tenant rent	

Tenants List (as of June 2010)

	Name	Industry	Remark
<u>Phase 1</u>			
1	PT. HORIZUCHI ENGINEERING IND.	Repair & maintenance of machineries	
2	PT. HAHARA WESTJAVA INDUSTRIES	Plastic sheet	
3	PT. FUJI TECHNICA INDONESIA	Automotive mold	
4	PT. JALCO ELECTRONICS INDONESIA	Connector & jack	
5	PT. MARUMO INDONESIA FORGING	Molded motorcycle parts	
6	PT. INKALI	Surfactant	
7	PT. TOYOBO KNITTING INDONESIA	Knit	
8	PT. ASTRA INTERNATIONAL	Design centre	
9	PT. MIZOBATA LAJU	Starch for fiber	
10	PT. SHARP SEMICONDUCTOR IND.	Semiconductor & opto-device	
11	PT. WAJASENTOSA METALINDO	Coil centre	
12	PT. SAITAMA STAMPING INDONESIA	Precision metal machining	
13	PT. KAWAMURA INDAH	Conveyer	
14	PT. MESINDO PUTRA PERKASA	Automotive parts	
15	PT. OGAWA INDONESIA	Fragrance	
16	PT. ONAMBA INDONESIA	Wire harness	
17	PT. NBC INDONESIA	Mesh cloth	
18	PT. SHIKINO INDONESIA	Plating	
19	PT. JIBUHIN BAKRIE INDONESIA	Automotive gear	
20	PT. AIR LIQUIDE INDONESIA	Industrial gas	
21	PT. DAI-ICHI KIMIA RAYA	Dyeing accelerant	
22	PT. ASTRA DAIHATSU MOTOR	Engine casting	
23	PT. PANASONIC SEMICOND. IND.	Semiconductor & opto-device	
24	PT. YAMAHA MOTOR PARTS MFG IND.	Motocycle parts	
25	PT. INDOTECH METAL NUSANTARA	Large metal press	
26	PT. A & K DOOR INDONESIA	Wooden door	
27	PT. KYORAKU BLOWMOLDING IND.	Plastic molding	
28	PT. ASTRA NIPPON GASKET INDONESIA	Automotive gasket	
29	PT. AT INDONESIA	Automotive engine parts	
30	PT. IWATANI INDUSTRIAL GAS IND.	Industrial gas	
31	PT. MITSUBISHI JAYA ELEV. & ESC.	Elevator & escalator parts	
32	PT. ASIAN ISUZU CASTING CENTER	Automotive engine parts	
33	PT. UNI-CHARM INDONESIA	Sanitary goods	
34	PT. NKS FILTER INDONESIA	Wire netting	
35	PT. DNP INDONESIA	Wrapping paper	
36	PT. SUNCALL INDONESIA	Printer parts	
37	PT. SHIN-ETSU POLYMER INDONESIA	Wafer case	
38	PT. FREYABADI INDOTAMA	Chocolate ingredient	
39	PT. CERES MELI INDOTAMA	Confectionary	
40	PT. KAWAI INDONESIA	Musical instrument	

I	Country	Indonesia	Short List
I-1	Industrial agglomerated area	Karawang International Industrial City & Others	
I-1-1	Industrial Park	Karawang International Industrial City (KIIC)	

Tenants' Information

	Number of companies	92
	Tenant rent	

Tenants List (as of June 2010)

	Name	Industry	Remark
<u>Phase 1</u>			
41	PT. FCC INDONESIA	Clutch	
42	PT. TOTOKU TORYO INDONESIA	Cable paint	
43	PT. IMAI INDONESIA	Plastic molding	
44	PT. NOAH TEX	Textile	
45	PT. KANETA INDONESIA	Engine parts	
46	PT. NAIGAI SHIRTS INDONESIA	Shirt garment	
47	PT. MUGAI INDONESIA	Automotive & Motorcycle parts	
48	PT. FUJITA INDONESIA	Motorcycle parts	
49	PT. AICHIKIKI AUTOPARTS IND.	Automotive & Motorcycle parts	
50	PT. MARUICHI INDONESIA	Motorcycle parts	
51	PT. TOYOBESQ PRECISION PARTS IND.	Motorcycle parts	
52	PT. HAMATETSU INDONESIA	Motorcycle parts	
53	PT. KOYAMA INDONESIA	Motorcycle parts	
54	PT. WAVIN DUTA JAYA	PVC pipe	
55	PT. MIKATASA AGUNG	Starch & paint	
56	PT. FUJI SPRING INDONESIA	Motorcycle parts	
57	PT. ISK INDONESIA	Metal mold	
58	PT. ORIENTAL MANUFACTURING IND.	Automotive & Motorcycle parts	
59	PT. TRIX INDONESIA	Motorcycle parts & galvanization	
60	PT. SHINTO KOGYO IND.	Motorcycle parts & plastic molding	
61	PT. FUMAKILLA INDONESIA	Insecticide & aromatic	
62	PT. ASTRA DAIHATSU MOTOR	Automotive engine	
63	PT. SOMAGEDE INDONESIA	Instruments sales	
64	PT. TRI DHARMA WISESA	Brake	
65	PT. MABUCHI INDONESIA	Automotive parts packaging	
66	PT. SANKEIKID MANUTEC INDONESIA	Automotive parts painting	
67	PT. OSIMO INDONESIA	Plastic molding	
68	PT. GUNUNG PUTRI GRAHA MAS	Glass fiber	
69	PT. HOYU INDONESIA	Hair color & care	
70	PT. MIYUKI INDONESIA	Automotive parts	
71	PT. IHARA MANUFACTURING INDONESIA	Automotive & Motorcycle parts	
72	PT. SUBUR DJAJA TEGUH	Motorcycle parts	
73	PT. INTI POLYMETAL	Automotive & Motorcycle parts	
74	PT. MEIWA KOGYO INDONESIA	Motorcycle parts	
75	PT. TRADISI MANUFACTURING INDONESIA	Automotive parts	
76	PT. LINDA PERMATA ABADI	PVC pipe	
77	PT. KOHWA PRECISION INDONESIA	Automotive parts	

I	Country	Indonesia	Short List
I-1	Industrial agglomerated area	Karawang International Industrial City & Others	
I-1-1	Industrial Park	Karawang International Industrial City (KIIC)	

Tenants' Information

	Number of companies	92
	Tenant rent	

Tenants List (as of June 2010)

	Name	Industry	Remark
<u>Phase 2</u>			
78	PT. TOYOTA MOTOR MFG. IND.	Automotive assembly	
79	PT. VOITH PAPER ROLLS IND.	Paper mil	
80	PT. TAIHO NUSANTARA	Automotive parts	
81	PT. TAIKISHA MANUFACTURING IND.	Automotive parts painting	
82	PT. YAMAHA MOTOR MFG. WEST JAVA	Motorcycle parts	
83	PT. IDEMITSU LUBE TECHNO IND.	Lubricant	
84	PT. MINDA ASEAN AUTOMOTIVE	Motorcycle parts	
85	PT. HM SAMPOERNA Tbk	Tobacco	
86	PT. POSCO-IIPC	Coil centre	
87	PT. PRICOL SURYA	Automotive & Motorcycle parts	
88	PT. AUTOMOTIVE SYSTEMS INDONESIA	Automotive & Motorcycle parts	
89	PT. SUMISHO GLOBAL LOGISTICS INDONESIA	Motorcycle parts (Sub assembly)	
90	PT. TT METALS INDONESIA	Coil centre	
91	PT. EXEDY INDONESIA	Automotive & Motorcycle parts	
92	PT. INDONESIA THAI SUMMIT AUTO	Automotive parts	

I	Country	Indonesia	Short List
I-1	Industrial agglomerated area	Karawang International Industrial City & Others	
I-1-2	Industrial Park	Sruyacipta City of Industry	

Detail Information

	Main	Detail	Description	Remark
	<u>Infrastructure (Private)</u>			
	Electrical power provision	Power specification Tariff Backup system	300MVA	Premium contract by PLN
	Water supply	Tariff		
	Industrial water service	Capacity m3/day Tariff		
	Sewerage system	Capacity m3/day Tariff		
	Telecommunication	Telephone Optical fiber Internet	3,000 Telephone lines installed	by TELEKOM
	Warehouses			
	Trucking distribution centre			
	Train stations			
	Roads	Main road Ordinary road		
	<u>Infrastructure (Public)</u>			
	Electrical power provision	Power spec Tariff Backup system		
	Water supply	Tariff		
	Industrial water service	Capacity m3/day Tariff		
	Sewerage system	Capacity m3/day Tariff		
	Telecommunication	Inhouse service Optical fiber		
	Warehouses			
	Trucking distribution centre			
	Train stations			
	Roads			
	Restaurants and/or Canteens		Canteen	
	Hospitals and/or Medical service stations			
	Shoping centre and/or shops			
	Houseing and/or Hotels		Housing & residence	

I	Country	Indonesia	Short List
I-1	Industrial agglomerated area	Karawang International Industrial City & Others	
I-1-2	Industrial Park	Sruyacipta City of Industry	

Tenants' Information

	Number of companies	75
	Tenant rent	

Tenants List (as of June 2010)

	Name	Industry	Remark
1	PT. Atsumitec Indonesia	Automotive engine parts	
2	PT. Bridgestone Tire Indonesia	Automotive tires	
3	PT. Chiyoda Integre	Electronics	
4	PT. E-Pack Indonesia.	Pakaging material	
5	PT. JVC Electronics Indonesia	Audio appliances	
6	PT. Lima Tekno Indonesia	Relay parts & water tank	
7	PT. Nakajima All Indonesia	Electronic calculator	
8	PT. NT Piston Ring Indonesia	Pistonring	
9	PT. Super Steel Karawang	Steel pressing	
10	PT. Tsuzuki & Asama Manufacturing	Automotive parts	
11	GS-Yuasa Corporation	Automotive battery	
12	Izumi	Expanded polystyrene for packaging	
	Other 63		

Laguna Technopark & Light Industry & Science Park



Source: Google Map

Figure A.2.4.2 Map of Industrial Parks in Philippine

P	Country	Philippine	Short List
P-1	Industrial agglomerated area	Laguna Techno Park & Others	
P-1-1	Industrial Park	Laguna Techno Park	

Detail Information

	Main	Detail	Description	Remark
	Infrastructure (Private)			
	Electrical power provision	Power specification Tariff Backup system	34.5KV	
	Water supply	Capacity m3/day Tariff	85.0 t/ha.day	
	Industrial water service	Capacity m3/day Tariff	7.5 t/ha.day	
	Sewerage system	Capacity m3/day Tariff	Centralized Drainage Facility	
	Telecommunication	Telephone Optical fiber Internet	1,000 Telephone lines installed	
	Warehouses Trucking distribution centre Train stations Roads	Main road Ordinary road		
	Infrastructure (Public)			
	Electrical power provision	Power spec Tariff Backup system		
	Water supply	Tariff		
	Industrial water service	Capacity m3/day Tariff		
	Sewerage system	Capacity m3/day Tariff		
	Telecommunication	Inhouse service Optical fiber		
	Warehouses Trucking distribution centre Train stations Roads			
	Restaurants and/or Canteens Hospitals and/or Medical service stations Shoping centre and/or shops Houseing and/or Hotels		Japanese Restaurant convenience store for Japanese	

P	Country	Philippine	Short List
P-1	Industrial agglomerated area	Laguna Techno Park & Others	
P-1-1	Industrial Park	Laguna Techno Park	

Tenants' Information

Number of companies	75 (57 by Japanese)
Tenant rent	

Tenants List

	Name	Industry	Remark
1	Daiho (Phils.), Inc.	Manufacture of plastic injection moldings such as housing, printer, cover, tray absorber, rear and lower paper guides, and upper and lower stacker	
2	Electronic Assemblies Inc.	Manufacture of flex printed circuit assembly; manufacture of card reader	
3	F. Tech Philippines Mfg., Inc.	FTech: Manufacturer of automotive parts	
4	F.R.P. Philippines Inc.	Motorcycle clutch disk	
5	FCC (Philippines) Corp.	FCC: Driving clutch disk	
6	Fujitsu Die-Tech Corp. of the Phils.	Manufacture of dies (single, precision progressive, transfer) and molds ; various precision parts of hard disk drives; mechanical units for automated machines	
7	Fujitsu Ten Corp. of the Philippines	Fijitsu-Ten: Manufacturer and seller of audio equipments	
8	Hitachi Computer Products (Asia) Corp.	Hitachi: Manufacture of small disc and magnetic head	
9	Honda Cars Philippines, Inc.	Honda: Car manufacturing and sales	
10	Isuzu Autoparts Mfg. Corp	Manufacture of transmission and other automotive parts for motor vehicles	
11	Kawashima International Mfg., Inc.	Kawashima Selkon Textiles.: Manufacture, processing and sales of automotive interior textile	
12	Kisho Sakata Electronics Inc. (formerly Sakata Electronics,	Manufacture of electronics components such as Hard Disk Drives	
13	Laguna Auto-Parts Mfg. Corp.	Mitsubishi Electric & Mitsubishi Corporation: Manufacture of automotive electrical goods	
14	Masuda	Masuda Seisakusho: Processing automotive parts	
15	Moriroku	Moriroku: Automotive plastic parts	
16	Toshiba Information Equipment	Toshiba: Manufacturing of HDD, CD-ROM motor and PCB of PC	
17	Meinan Philippines Inc.	Various automotive and electrical parts, components and devices	
18	Yutaka Mfg.(Philippines), Inc.	Yutaka Giken: Manufacture and processing, assembly	
	Others 57		

P	Country	Philippine	Short List
P-1	Industrial agglomerated area	Laguna Techno Park & Others	
P-1-2	Industrial Park	Light Industry & Science Park	

Detail Information

Main	Detail	Description	Remark
Infrastructure (Private)			
Electrical power provision	Power specification Tariff Backup system	34.5KV	
Water supply	Capacity m3/day Tariff	12,300 m3/day	
Industrial water service	Capacity m3/day Tariff		
Sewerage system	Capacity m3/day Tariff	Centralized Drainage Facility BOD 1.000mg/l	
Telecommunication	Telephone Optical fiber Internet	1,000 Telephone lines installed	
Warehouses Trucking distribution centre Train stations Roads	Main road Ordinary road		
Infrastructure (Public)			
Electrical power provision	Power spec Tariff Backup system		
Water supply	Tariff		
Industrial water service	Capacity m3/day Tariff		
Sewerage system	Capacity m3/day Tariff		
Telecommunication	Inhouse service Optical fiber		
Warehouses Trucking distribution centre Train stations Roads			
Restaurants and/or Canteens Hospitals and/or Medical service stations Shoping centre and/or shops Houseing and/or Hotels			

P	Country	Philippine	Short List
P-1	Industrial agglomerated area	Laguna Techno Park & Others	
P-1-2	Industrial Park	Light Industry & Science Park	

Tenants' Information

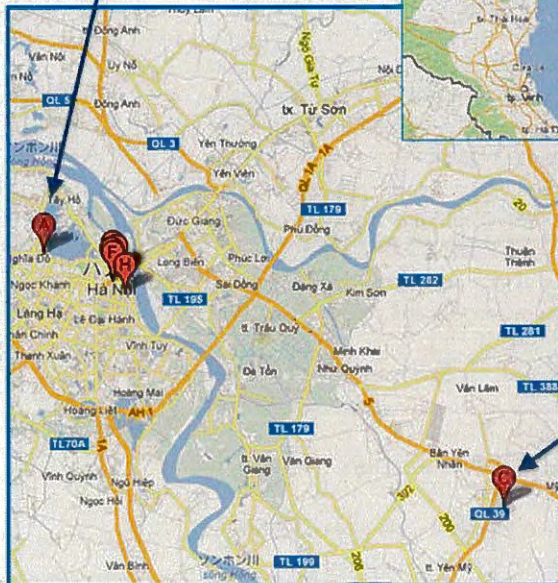
Number of companies	62 (18 by Japanese)
Tenant rent	

Tenants List

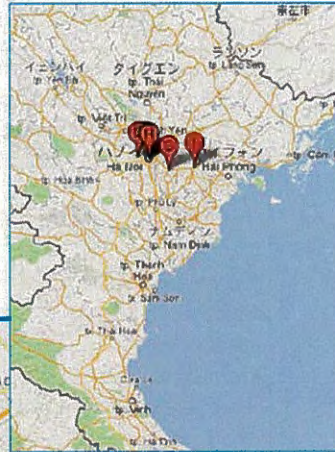
	Name	Industry	Remark
1	Asahi Cast Phils., Inc.	Manufacture of metal diecast products	
2	Chiyoda Integre Phils., Inc.	Manufacture / assembly of gasket and filters, shields and insulator, cushion and spacer, foot and badge, insulator for compressor motor and adhesive tapes	
3	Daikoku Electronics (Phils.), Inc.	Manufacture of electronic relay coils	
4	Epson Precision (Phils.) Inc.	Mini printers ; manufacture of terminal printers such as dot matrix models LQ-570+ 1070 and LQ-300 ; manufacture of terminal printers	
5	Fastech Advanced Assembly Inc.	Assembly and test of tape drive assemblies, printed circuit boards and complete electronic products	
6	First Sumiden Circuits, Inc.	Flexible single-sided and double-sided printed circuits ; manufacture of electronic relay coils	
7	Gemphil Wiring Systems, Inc.	Manufacture of wiring harness, power cords, heater wires, lamp sockets and other electrical / electronic components; CD-R and CD-RW Drive	
8	Gunma Gohkin Philippines Corp.	Manufacture of gear covers, rear brackets and wiper for motor frames motorcycle and automobile industries	
9	Malugo Philippines, Inc.	Manufacture and printing of various types of labels for production signature board, caution label, POP seal, nameplate and bar codes	
10	Matsuden Phils., Corp. (formerly Lagunatec Corp.)	wire harness, choke coil and others	
11	Mitsui High-tec (Phils.) Inc.	Manufacture of electrical parts for semi-conductor, appliances and other allied products	
12	MME Technologies Corp.	Manufacture/Assembly of printed circuit boards	
13	Ohtsuka Poly-Tech Phils., Inc	Rubber parts for automobile, motorcycles and electric appliances	
14	Philippine Iris Co., Inc.	Buttons, buckles and other clothing and fashion accessories, manufacture of plastic components such as marine goods/swimming goggles and plastic cases	
15	Remec Manufacturing Philippines I	Manufacture/assembly of low noise amplifiers(LNA) and power amplifiers, converters, PLO synthesizers, transceivers and radio system as a "New Project"	
16	Shinsei Industries Phils.	Labelling machines, bar code printing machines, software for bar code printers and systems, raw materials and parts thereof and other related products	
17	Uniden Philippines Inc.	Manufacture of cordless telephone	
	Others 45		

Thang Long Industrial Park & Thang Long Industrial Park II

Thang Long
Industrial Park



Thang Long
Industrial Park II



Source: Google Map

Figure A.2.4.3 Map of Industrial Parks in Vietnam

V	Country	Vietnam	Short List
V-1	Industrial agglomerated area	Thang Long Industrial Park & Others	
V-1-1	Industrial Park	Thang Long Industrial Park	

Detail Information

Detail information				
	Main	Detail	Description	Remark
	<u>Infrastructure (Private)</u>			
	Electrical power provision	Power specification	22kV, Ttransformer (150MVA/50MVAx3)	Inhouse transformer, Underground cable
		Tariff		
		Backup system	12,500kVA for office only	
	Water supply	Capacity m3/day	8,000m3/day	Large Public Water Supply & Waste Water Treatment Plant
	Industrial water service	Tariff		
		Capacity m3/day		
	Sewerage system	Tariff		
		Capacity m3/day	3,000m3/day	
	Telecommunication	Tariff		
		Optical fiber Internet		
	Warehouses			
	Trucking distribution centre			
	Train stations			
	Roads	Main road	26~42m, 2~4 tracks	
		Ordinary road		
	<u>Infrastructure (Public)</u>			
	Electrical power provision	Power spec		
		Tariff		
		Backup system		
	Water supply	Tariff		
	Industrial water service	Capacity m3/day		
		Tariff		
	Sewerage system	Capacity m3/day		
		Tariff		
	Telecommunication	Inhouse service		
		Optical fiber		
	Warehouses			Logistics Centre
	Trucking distribution centre			
	Train stations			
	Roads			
	Restaurants and/or Canteens		Japanese Restaurant	
	Hospitals and/or Medical service stations		Clinic	
	Shoping centre and/or shops		Japanese food shop	
	Houseing and/or Hotels		Dormitory (12,000 persons, plan)	

V	Country	Vietnam	Short List
V-1	Industrial agglomerated area	Thang Long Industrial Park & Others	
V-1-1	Industrial Park	Thang Long Industrial Park	

Tenants' Information

	Number of companies	103 (95 by Japanese)
	Tenant rent	

Tenants List

	Name	Industry	Remark
1	Asahi Intech	Manufacture of Stainless wire rope and medical equipments	
2	Atsumi Tech	Change control system for motorcycle	
3	Alpha Industry	Plastic molding	
4	Ikeuchi	Industrial nozzle	
5	Iriya Seisakusho	Metal mold pressing	
6	Canon	Inkjet printer	
7	Goshuu Kosan	Water treatment facility	
8	Showa Cable	Roler and wire harness for office supplies	
9	Sumidenn & Tomita	Harness for home appliances	
10	Sumitomo Heavi Industries	Cyclone motor reducer	
11	Sumitomo Corporation	Deveoping and operation of industrial parkd	
12	Sumitomo Bakelite	Flexible printed cuircuit bord	
13	Daiwa Plastic	Plastic molding	
14	Chiyoda Integren	bent for inkjet printer	
15	Denso	Automotive engine parts	
16	Toto	Sanitary ware	
17	Hoya	Memory disk	
18	Panasonic	Home appliances, telephon and electronics	
19	Mitsubishi Pencil	Writing materials	
20	Yamaha	Casting parts for motorcycle	
21	Ryonan Denso	Wire harness	
	Other 82		

V	Country	Vietnam	Short List
V-1	Industrial agglomerated area	Thang Long Industrial Park & Others	
V-1-2	Industrial Park	Thang Long Industrial Park II	

Detail Information

	Main	Detail	Description	Remark
	<u>Infrastructure (Private)</u>			
	Electrical power provision	Power specification Tariff Backup system	22kV, Ttransformer (150MVA/50MVAx3)	Inhouse transformer, Underground cable
	Water supply	Capacity m3/day	13,500m3/day	Large Public Water Supply & Waste Water Treatment Plant
	Industrial water service	Tariff Capacity m3/day		
	Sewerage system	Tariff Capacity m3/day	3,000m3/day	
	Telecommunication	Tariff Optical fiber Internet		
	Warehouses Trucking distribution centre Train stations Roads	Main road Ordinary road		
	<u>Infrastructure (Public)</u>			
	Electrical power provision	Power spec Tariff Backup system		
	Water supply	Tariff		
	Industrial water service	Capacity m3/day Tariff		
	Sewerage system	Capacity m3/day Tariff		
	Telecommunication	Inhouse service Optical fiber		
	Warehouses Trucking distribution centre Train stations Roads			
	Restaurants and/or Canteens Hospitals and/or Medical service stations Shopping centre and/or shops Houseing and/or Hotels		Japanese Restaurant Japanese food shop	

V	Country	Vietnam	Short List
V-1	Industrial agglomerated area	Thang Long Industrial Park & Others	
V-1-2	Industrial Park	Thang Long Industrial Park II	

Tenants' Information

	Number of companies	41
	Tenant rent	

Tenants List

	Name	Remark
1	Akebono Brake Astra Vietnam Co., Ltd.	
2	Akiyama-SC (Vietnam) Co., Ltd.	
3	Bunka Vietnam Co., Ltd.	
4	Corona Vietnam Co., Ltd.	
5	Denyo Vietnam Co., Ltd.	
6	Fuji Bakelite Vietnam Co., Ltd.	
7	Hamaden Vietnam Co., Ltd.	
8	Hamatetsu Vietnam Co., Ltd.	
9	Hoya Glass Disk Vietnam II Ltd.	
10	Kawakin Core-Tech Vietnam Co., Ltd.	
11	Keihin Vietnam Co., Ltd.	
12	KYOCERA Vietnam Company Limited	
13	KYOCERA Connector Products Vietnam Co., Ltd.	
14	Kyoto Biken Hanoi Laboratories Company Limited	
15	Mikasa Vietnam Co., Ltd.	
16	Musashi Auto Parts Vietnam Co., Ltd.	
17	Nikkiso Vietnam, Inc.	
18	Ochiai Vietnam Co., Ltd.	
19	Branch of Panasonic Vietnam Co., Ltd. in Hung Yen	
20	Branch of Panasonic Appliances Vietnam Co., Ltd. in Hung Yen	
21	Seiko Industry Vietnam Co., Ltd.	
22	Sews-components Vietnam Co., Ltd.	
23	Shindengen Vietnam Co., Ltd.	
24	Shin-Etsu Electronics Materials Vietnam Co., Ltd.	
25	SOC Vietnam Co., Ltd.	
26	Sumiden Vietnam Automotive Wire Co., Ltd. – Hung Yen Branch	
27	Takagi Vietnam Co., Ltd.	
28	Tanaka Precision Vietnam Co., Ltd.	
29	Topy Fasteners Vietnam Co., Ltd.	
30	Toyota Industrial Equipment Vietnam Co., Ltd.	
31	Vietinac Co., Ltd	
32	Vietnam Japan Gas Co., Ltd. – Hung Yen Branch	
33	Mizuno Precision Parts Vietnam Co., Ltd.	
34	Vietnam Mie Co., Ltd.	
35	Bando Manufacturing (Vietnam) Company Limited	
36	Kosaka Vietnam Co., Ltd.	
37	Azuma Safety Co., Ltd.	
38	Sanwa Industry Vietnam Co., Ltd.	
39	Dragon Logistics Co., Ltd.	
40	NTT Communications (Vietnam) Ltd.	
41	Vietcombank	

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<http://www.sumitomocorp.co.jp/indpark/TLIP/tlip.html><http://tlip1.com/> Thang Long Industrial Park
<http://www.sumitomocorp.co.jp/indpark/TLIP2/tlip2.html> TLIP II Thang Long Industrial Park II

Appendix A3

Compiled Information and Data on Social and Economic Infrastructures

An 3.2 National Economics

GDP and GNI

GDP	Brunei 1 million US \$	Cambodia 1 million US \$	Indonesia 1 million US \$	Lao PDR 1 million US \$	Malaysia 1 million US \$	Myanmar 1 million US \$	Philippines 1 million US \$	Singapore 1 million US \$	Thailand 1 million US \$	Viet Nam 1 million US \$	All Asean 1 million US \$
	16,360.0	12,830.0	846,832.0	8,298.0	287,937.0	42,000.0	224,754.0	239,700.0	345,672.0	123,600.0	2,147,983.0
Source:	WB	2011 WB	2011 WB	2011 WB	2011 WB	2011 UN	2010 WB	2011 WB	2011 WB	2011 WB	2011 WB

GDP per Capita	Brunei 1 US \$	Cambodia 1 US \$	Indonesia 1 US \$	Lao PDR 1 US \$	Malaysia 1 US \$	Myanmar 1 US \$	Philippines 1 US \$	Singapore 1 US \$	Thailand 1 US \$	Viet Nam 1 US \$	All Asean 1 US \$
	40,301.0	897.0	3,495.0	1,320.0	9,977.0	869.0	2,370.0	46,241.0	4,972.0	1,407.0	3,571.0
Source	WB	2011 WB	2011 WB	2011 WB	2011 WB	2011 UN	2010 WB	2011 WB	2011 WB	2011 WB	2011 WB

GDP Actual rate of growth	Brunei % in 2011	Cambodia % in 2011	Indonesia % in 2011	Lao PDR % in 2011	Malaysia % in 2011	Myanmar % in 2011	Philippines % in 2011	Singapore % in 2011	Thailand % in 2011	Viet Nam % in 2011
	2.2	7.1	6.4	8.0	5.1	-	3.9	4.9	0.1	5.9
Source	WB	2011								

GNI	Brunei 1 million US \$	Cambodia 1 million US \$	Indonesia 1 million US \$	Lao PDR 1 million US \$	Malaysia 1 million US \$	Myanmar 1 million US \$	Philippines 1 million US \$	Singapore 1 million US \$	Thailand 1 million US \$	Viet Nam 1 million US \$	All Asean 1 million US \$
	12,460.0	11,673.0	712,737.0	7,105.0	253,044.0	42,000.0	209,716.0	222,550.0	308,326.0	111,125.0	1,890,736.0
Source:	WB	2009 WB	2011 WB	2011 WB	2011 WB	2011 UN	2010 WB	2011 WB	2011 WB	2011 WB	2011 WB

GNI per Capita	Brunei 1 US \$	Cambodia 1 US \$	Indonesia 1 US \$	Lao PDR 1 US \$	Malaysia 1 US \$	Myanmar 1 US \$	Philippines 1 US \$	Singapore 1 US \$	Thailand 1 US \$	Viet Nam 1 US \$
	49,910.0	2,230.0	4,500.0	2,580.0	15,650.0	869.0	4,140.0	59,380.0	8,360.0	3,250.0
Source	WB	2009 WB	2011 WB	2011 WB	2011 WB	2011 UN	2010 WB	2011 WB	2011 WB	2011

GDP Share of Economy	Brunei %	Cambodia %	Indonesia %	Lao PDR %	Malaysia %	Myanmar %	Philippines %	Singapore %	Thailand %	Viet Nam %
Manufacturing	13.7	14.5	26.4	9.8	25.5	18.2	20.4	18.5	34.1	20.1
Agriculture	0.8	30.5	15.3	30.6	9.5	38.2	14.8	0.1	11.6	20.9
Trade	2.7	12.6	13.4	19.6	14.5	20.4	14.5	18.8	14.1	14.8
Mining	57.2	0.4	10.5	6.8	12.9	1.0	1.6	0.0	3.4	10.0
Construction	2.6	5.8	9.9	4.1	3.3	4.5	5.1	5.1	2.7	6.6
Finance	2.9	13.0	7.2	3.8	13.7	0.1	5.8	24.9	6.4	1.9
Transport and Communication	2.6	7.0	6.3	4.9	6.8	13.5	6.7	12.1	7.2	4.4
Public Administration	10.6	1.7	5.7	4.6	8.1	1.6	7.5	7.0	4.7	7.8
Electricity, Gas and Water	0.6	0.5	0.8	2.7	2.6	0.7	3.2	1.3	3.2	3.5
Others	6.4	8.0	4.5	6.2	5.2	1.8	20.5	7.0	12.7	10.0
Source	ADB	2009								

Purchasing Power Parity (PPP)

Purchasing Power Parity	Brunei 1 million US \$	Cambodia 1 million US \$	Indonesia 1 million US \$	Lao PDR 1 million US \$	Malaysia 1 million US \$	Myanmar 1 million US \$	Philippines 1 million US \$	Singapore 1 million US \$	Thailand 1 million US \$	Viet Nam 1 million US \$
2012	21,944	36,587	1,211,960	19,158	491,967	89,233	416,721	326,679	646,108	320,450
2011	21,033	33,819	1,124,630	17,408	463,689	82,678	391,119	314,906	602,216	299,980
2010	20,149	30,924	1,034,370	15,776	432,046	76,761	368,549	293,961	589,333	277,393
2009	19,380	28,763	96,118	14,404	397,884	71,906	337,900	252,768	539,596	256,345
2008	19,557	28,489	910,719	13,283	400,507	67,797	331,177	253,063	547,641	241,287
2007	19,511	26,123	840,418	12,056	373,758	64,022	311,073	243,431	522,339	222,038
2006	18,932	23,034	767,992	10,864	341,697	55,555	283,541	217,319	483,199	198,954
2005	17,567	20,143	705,162	9,687	313,493	47,593	260,982	193,555	445,196	178,073
2004	16,951	17,211	650,198	8,823	277,648	40,159	242,734	172,040	413,277	159,916
2003	16,395	15,275	603,226	8,034	253,886	34,656	222,718	152,576	378,938	144,114
2002	15,604	13,788	563,848	7,408	235,051	29,815	207,803	142,889	346,432	131,493
2001	14,783	12,731	530,973	6,822	219,474	26,190	197,298	134,942	323,699	120,841
2000	14,070	11,511	500,986	6,376	213,519	23,002	187,512	133,501	309,831	110,549
1999	13,390	10,359	470,612	5,870	192,302	19,794	175,785	119,836	289,515	101,329
1998	12,805	9,123	460,147	5,555	178,555	17,582	168,057	111,207	273,167	95,310
1997	12,733	8,590	523,760	5,263	190,586	N.A.	167,143	112,404	301,839	89,109
1996	12,700	7,992	491,571	4,837	174,502	N.A.	156,147	101,794	300,727	80,963
1995	12,114	7,440	447,405	4,441	155,670	N.A.	144,766	92,814	278,662	72,663
1994	11,358	6,847	404,983	4,064	138,845	N.A.	135,473	84,751	249,891	64,981
1993	10,784	6,199	368,818	3,680	124,511	N.A.	127,101	75,064	224,554	58,474
1992	10,519	5,829	334,127	3,401	110,850	N.A.	121,776	65,879	202,953	52,934
1991	9,809	5,318	306,583	3,105	99,446	N.A.	118,555	60,125	183,425	47,570
1990	9,184	4,774	276,848	2,883	87,671	N.A.	115,163	54,531	163,855	43,419
1989	8,748	4,545	248,562	2,602	77,439	N.A.	107,616	47,685	141,339	39,797
1988	8,247	4,239	222,895	2,282	68,422	N.A.	97,641	41,686	121,394	35,574
1987	8,002	3,739	203,718	2,253	60,170	N.A.	88,427	36,284	103,596	32,724
1986	7,752	2,990	188,678	2,211	55,483	N.A.	82,381	31,831	91,924	31,010
1985	7,802	N.A.	174,353	2,063	53,665	N.A.	77,937	30,747	85,220	29,354
1984	N.A.	N.A.	165,163	1,835	52,548	N.A.	81,609	30,039	79,046	26,976
1983	N.A.	N.A.	148,805	1,662	46,998	N.A.	84,871	26,604	72,035	23,985

Source: IMF World Economic Outlook Database, October 2012

International Trade

International Trade	Brunei	Cambodia	Indonesia	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Viet Nam
Export Item	1 Crude oil 2 Natural Gas 3 Methanol	Clothes Rubber Rice	Oil Gas Mineral Fuel	Mineral Electricity Needlework	Electric Appliance Palm Olein Chemical Goods	Natural Gas Pulse Jade	Electronic Device Electronic Equipment Transport Equipment	Miscellaneous Manufacturing Commerce Business Service	Computer Parts Vehicle Parts Gem and Jewelry Goods	Needlework Crude Oil Cell-phone/Parts
Export Counterpart	1 Japan 2 Korea 3 Asean	US Hong Kong Singapore	Japan China Singapore	Thailand China Vietnam	China Singapore Japan	China Thailand Indo	Japan US Singapore		China Japan US	US China Japan
Import Item	1 Machine/Transportation Equipment 2 Industrial Goods 3 Articles of Food	Fabric Petroleum Products Vehicle	Oil Gas Machine	Vehicle Parts Electric Appliance Construction Material	Electric Appliance Manufacturing Equipment Chemical Goods	Oil Machine Parts Palm Olein	Crude/Intermediate Material Capital Goods Fuel	Machine and Transportation Equipment Mineral Fuel Goods of Miscellaneous Materials	Crude Oil Industrial Machine/Parts Electronic Machine/Parts	Machine and Parts Petroleum Products PC and Electrical Goods/Parts
Import Counterpart	1 Asean 2 US 3 EU	China Thailand Hong Kong	China Singapore Japan	Thailand China Vietnam	China Singapore Japan	China Singapore Thailand	Japan US Singapore		Japan China Malaysia	China Korea Japan

Source: Ministry of Foreign Affairs of Japan

Balance of Payment

International Balance of Payment	Brunei 1 billion US \$	Cambodia 1 billion US \$	Indonesia 1 billion US \$	Lao PDR 1 billion US \$	Malaysia 1 billion US \$	Myanmar 1 billion US \$	Philippines 1 billion US \$	Singapore 1 billion US \$	Thailand 1 billion US \$	Viet Nam 1 billion US \$	All Asean 1 billion US \$
2012 Estimate Figure	8.27	-1.38	-18.86	-2.03	23.07	-2.38	7.15	56.14	-0.75	0.46	69.69
2011	7.94	-1.04	1.72	-1.77	31.74	-1.34	7.08	56.99	11.87	0.2	113.39
2010	5.62	-0.44	5.14	-1.26	27.35	-0.59	8.92	55.51	13.18	-4.29	109.14
2009	4.31	-0.47	10.63	-1.17	31.42	-0.99	9.36	30.14	21.9	-6.12	99.01
2008	7.06	-0.59	0.13	-0.98	39.44	-1.04	3.63	26.35	2.16	-10.79	65.37

Source: World Economic Outlook Database 2012 IMF

Employment

Employment	Brunei Thousand	Cambodia	Indonesia	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Viet Nam	All Asean
Labor Force	191	7680	115443	2964	11867	28361	37862	2411	36937	46602	290317
Sector-wise											
Agriculture	1.4	59.1	41.2	82.2	14.8	62.7	36.1	-	41.7	54.7	44.5
Industry	21.4	13.4	18.8	9.3	28.5	12.2	15.1	22.6	20.7	18.3	19.0
Services	77.2	27.5	40.0	8.6	54.1	25.1	48.8	76.2	37.4	27.0	36.5
Labor Force Participation Rate (age15-64)	70.1	82.4	70.3	81.9	65.5	79.3	66.8	71.2	77.3	77.6	72.7
Unemployment	3.7	2.3	8.4	1.4	3.6	4.0	6.3	3.2	1.4	4.7	

Source: ASEAN Strategic Transport Plan 2011-2015

Direction of Exports, 2000-2009

Direction	Brunei %	Cambodia %	Indonesia %	Lao PDR %	Malaysia %	Myanmar %	Philippines %	Singapore %	Thailand %	Viet Nam %
Developing Asia	33.7	46.5	40.6	44.3	41.6	71.0	31.8	52.1	34.1	22.7
China	4.0	0.3	9.4	20.0	11.8	9.8	7.3	9.6	10.4	8.5
Japan	46.8	1.6	15.3	1.6	9.6	5.2	15.5	4.5	10.1	10.8
United States	0.6	31.1	8.9	2.7	10.7	0.0	16.8	6.4	10.8	19.6
European Union	0.5	14.3	11.2	11.4	10.6	3.3	19.5	9.4	11.6	16.2
Others	14.4	6.3	14.5	20.0	15.8	10.7	9.0	18.0	23.1	22.3

Source: Asian Development Outlook 2011 ADB

Appendix A4

Compiled Information and Data on Legislative Systems

Appendix A4 LEGISLATIVE SYSTEMS

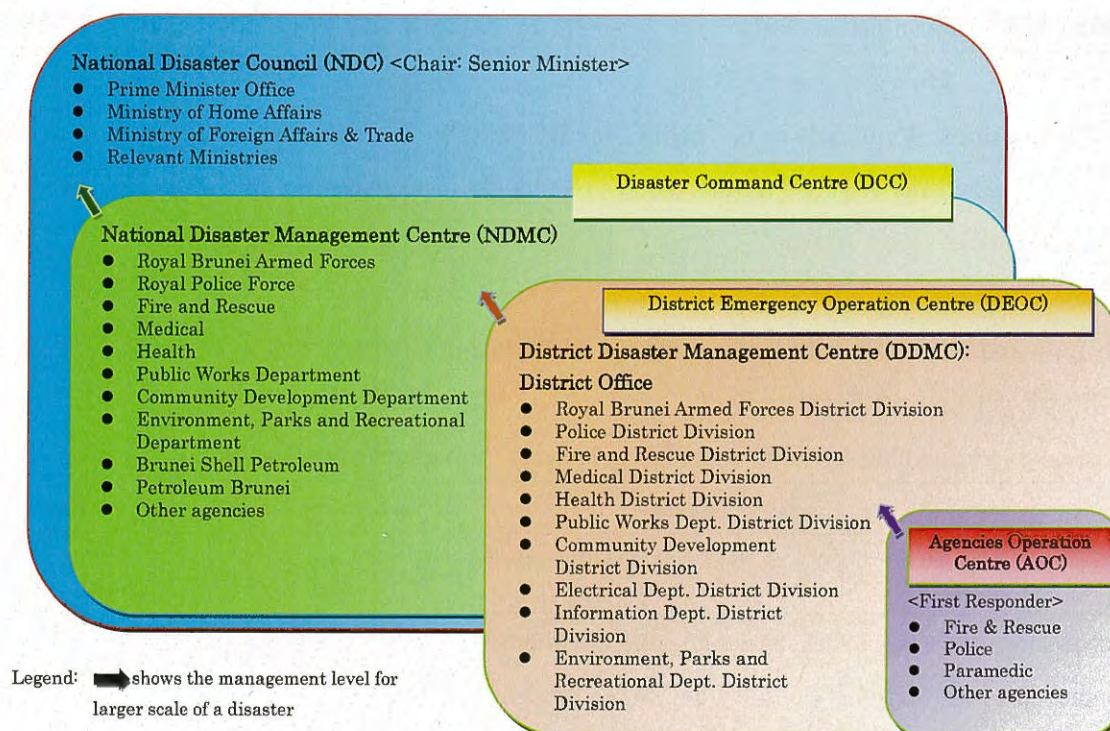
A4.1. BRUNEI

A4.1.1. Disaster Policy and Disaster Management Organization (Brunei)

The disaster prevention policy in Brunei is shown in “the Outlines of Strategy and Policy for Development (2007-2017)”, “developing further appropriate systems and organizations, for responding quickly and effectively to threats from natural disasters, infectious diseases, acts of terrorism, and other emergencies”.

The highest organ of disaster management in Brunei is National Disaster Council (NDC). Under NDC, National Disaster Management Center (NDMC) is founded as implementing body and Disaster Command Center is established in NDMC. Incident Command Post is also established in case of disaster.

In Brunei, local administration takes place through the four districts. District Disaster Management Centre and District Emergency Operation Center are established in every district.



Source: NDMC <Edited by JICA Study Team>

Fig. A4.1.1 Disaster Management Organization in Brunei

A4.1.2. Laws and Regulations of Disaster Management (Brunei)

(1) Disaster Management Law

Table A4.1.1 Laws and Regulations of Disaster Management in Brunei

	Laws / Regulations	Supervisory Authority	Matter
<i>Government Orders</i>	Disaster Management Order, 2006	National Disaster Management Centre	Disaster Management

In Brunei, there are no specific law about Disaster Management. Instead, Disaster Management Order (2006) defines a legal basis of disaster management. The responsibility and authority of NDC and NDMC

are shown by Disaster Management Order.

(2) Disaster Management Strategies and Plans

Table A4.1.2 Strategies and Plan for Disaster Management in Brunei

	Laws / Regulations	Supervisory Authority	Matter
<i>Plans</i>	Strategic National Action Plan for Disaster Risk Reduction 2012-2025	National Disaster Management Centre	General Disaster
<i>Plans</i>	RBPF (Royal Brunei Police Force) Standard Operating Procedures	Royal Brunei Police Force	General Disaster

In Brunei, development of National Disaster Management Plan as disaster management plan is defined in Disaster Management Order. National Disaster Management Plan is based on “RBPF Standard Operating Procedures” and “Strategic National Action Plan for Disaster Risk Reduction 2012-2025”. NDMC hold talks with and RBPF, to discuss the operation of “RBPF Standard Operating Procedures” in case of emergency in the plan, on January 2012.

A4.1.3. Regulations, Standards or Guidelines for BCM/BCP (Brunei)

No regulations, standards or guidelines for business continuity management in time of disaster have been identified in Brunei.

A4.1.4. Law and Regulations of Environment and Pollution (Brunei)

(1) Environmental Law and Regulations

Table A4.1.3 Laws and Regulations of Environment in Brunei

	Laws / Regulations	Supervisory Authority	Matter
<i>Government Orders</i>	Proposed Environmental Protection and Conservation Order, 2010	Ministry of Development	Environment Management

As central laws and regulations concerning the environmental protection in Brunei, there is Proposed Environmental Protection and Conservation Order promulgated in 2010. In this order, it is defined to protect and manage the environment and to integrate environmental concerns into private and public decision-making.

(2) Laws and Regulations for Environmental Pollution Control

The information released about law and regulations for environmental pollution control concerning domestic company in Brunei is limited. It is difficult to grasp in details.

A4.1.5. Laws and Regulations for Land, River and Building Code (Brunei)

Table A4.1.4 Laws and Regulations for Land, River and Building Code in Brunei

	Laws / Regulations	Supervisory Authority	Matter
<i>Laws</i>	Land Code, Chap 40	Land Department	Land Use

<i>Laws</i>	Land Acquisition Act, Chap 41	Land Department	Land Acquisition
<i>Laws</i>	Town and Country Planning Act, Chap142	Ministry of Development	Development
<i>Laws</i>	Forest Act, Chap46	Ministry of Industry & Primary Resources, Forestry Department	Forestry
<i>Plans</i>	National Land Use Master Plan 2006-2025	Land Department	Land Use

Law and regulations for land, river and building code concerning urban development in Brunei are shown in Table A4.1.4.

The regulations about possession and use of land are shown by "Land Code" over which Land Department has jurisdiction. However, acquisition of land is separately prescribed by "Land Acquisition Act." It is decided upon "National Land Use Master Plan 2006-2025" about land use.

Moreover, in Brunei, "Town and Country Planning Act" is defined about development of a city and rural areas. In each Acts, the item specified about land use or urban development in the time of a disaster or the case of the restoration and reconstruction after a disaster is not seen.

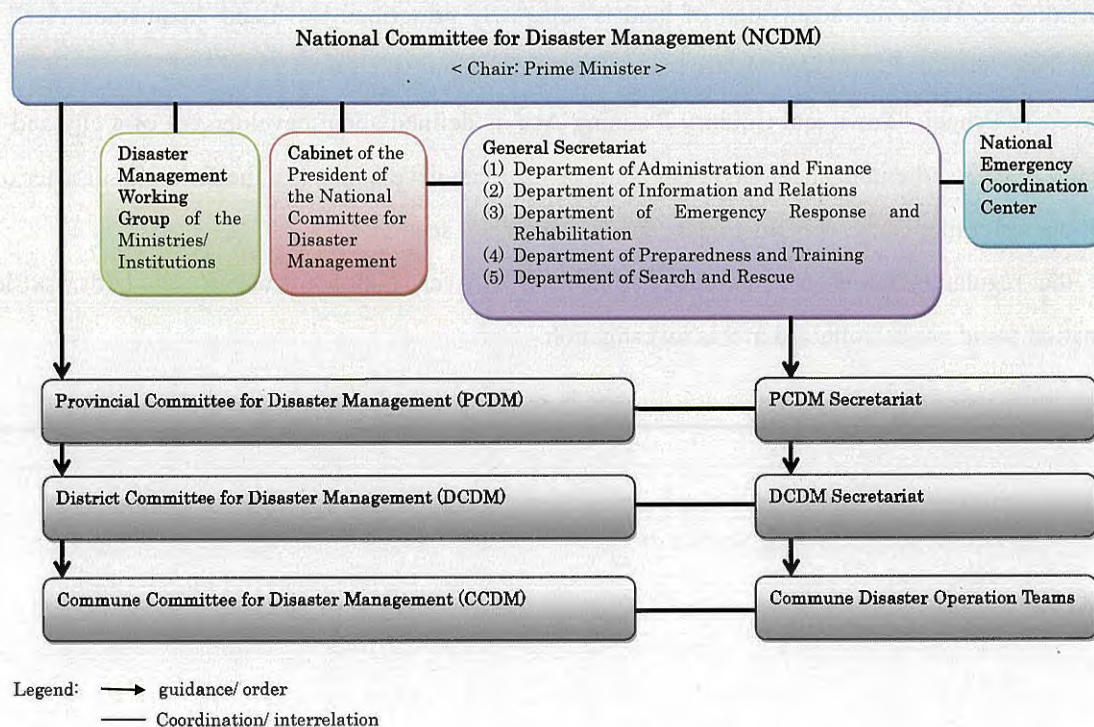
About the regulation about use and development of a river, and construction standards, sufficient information could not be collected in this investigation.

A4.2. CAMBODIA

A4.2.1. Disaster Policy and Disaster Management Organization (Cambodia)

The National Committee for Disaster Management (NCDM) which established in 1995 and formalized as a government institution by a decree in 2002 assumes the vital role in Disaster Management in Cambodia.

Committee organizations are established at every administrative level in the province, district and commune (Provincial Committee for Disaster Management, District Committee for Disaster Management and Commune Committee for Disaster Management). Secretariat agencies, however, are not fully established at the local level.



Source: JICA Study Team.

Fig. A4.2.1 Disaster Management Structure in Cambodia

A4.2.2. Law and Regulations of Disaster Management (Cambodia)

(1) Disaster Management Law

Table A4.2.1 Laws and Regulations of Disaster Management in Cambodia

	Laws / Regulations	Supervisory Authority	Matter
Laws	Law on National Disaster Management (Draft)	National Committee for Disaster Management	Disaster Management
Decrees	Sub-decree No.35 ANK	under survey	Disaster Management, Organization
Decrees	Sub-decree No.61 ANK	under survey	Organization

Law in the Disaster Management has not been developed in Cambodia. Instead of the absence of Disaster Management Law, “Sub-decree No. 35 ANK” has been a core principle for disaster management and defined the establishment of NCDM. In addition, based on “Sub-decree No.61 ANK” the Commune

Committee for Disaster Management has been established in the local levels.

The NCDM has been discussing about development of the Law on National Disaster Management since 2011. The Draft of Law on National Disaster Management is published and to be enacted in 2013. As of March 2013 when this report is submitted, it is not confirmed that the Governmental Authority ratifies the law.

(2) Disaster Management Strategies and Plans

Table A4.2.2 Strategies and Plan for Disaster Management in Cambodia

	Laws / Regulations	Supervisory Authority	Matter
<i>Policies</i>	National Policy on Emergency Management, 1997	under survey	General Disaster
<i>Policies</i>	National Contingency Policy for Flood, 2011	under survey	Flood
<i>Strategies</i>	NCDM Institutional Development Strategy in 2001	NCDM	General Disaster
<i>Plans</i>	Strategic National Action Plan for Disaster Risk Reduction 2008-2013	NCDM	General Disaster
<i>Plans</i>	National Strategy Development Plan 2009-2013	NCDM	General Disaster

In “Strategic National Action Plan for Disaster Risk Reduction 2008-2013” developed in 2009, Activities for disaster risk reduction have been identified include: protecting rural areas from the natural hazards of flood and drought, enabling communities for disaster preparedness and risk reduction and reducing the vulnerability of the poor to external shocks, including natural hazards. As of 2012, however, the Action Plan has not been in implementation.

The NCDM developed the “Institutional Development Strategy” which issues establishment of an effective inter-ministerial system for dealing with disaster preparedness, response and rehabilitation during five years from 2001.

In our report, the documents about “National Policy on Emergency Management” and “National Contingency Policy for Flood” have not been found, thus details about the policies are not clear.

A4.2.3. Regulations, Standards or Guidelines for BCM/BCP (Cambodia)

No regulations, standards or guidelines for business continuity management in time of disaster have been identified in Cambodia.

A4.2.4. Laws and Regulations of Environment and Pollution (Cambodia)

(1) Environmental Law and Regulations

Table A4.2.3 Laws and Regulations of Environment in Cambodia

	Laws / Regulations	Supervisory Authority	Matter
<i>Laws</i>	Law on Environmental Protection and Natural Resources Management, 1996	Ministry of Environment	Environmental Assessment
<i>Laws</i>	Law on the Water Resources Management, 2007	Ministry of Environment	Water Polluton

<i>Decrees</i>	Sub-Decree No.72 Anrk.bk on Environmental Impact Assessment Process, August 1999	Ministry of Environment	Environmental Assessment
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In the “Law on Environmental Protection and Natural Resources Management”, the implementations of environmental assessment among all domestic development projects for environmental conservation are obligated in Cambodia. Moreover, the target projects and assessment process of the environmental assessments are defined in the “Sub-Decree No.72 Anrk.bk”.

In addition, the “Law on the Water Resources Management” is established and the basic policy for management of water resources is regulated in this law.

(2) Laws and Regulations for Environmental Pollution Control

Table A4.2.4 Laws and Regulations for Environmental Pollution Control in Cambodia

	Laws / Regulations	Supervisory Authority	Matter
<i>Sub-Decree</i>	Sub-Decree No.27 Anrk.bk on Water Pollution Control, April 1999	Ministry of Environment	Water pollution
<i>Sub-Decree</i>	Sub-Decree No.42 Anrk.bk on Air Pollution Control and Noise Disturbance, July 2000	under survey	Air pollution
<i>Sub-Decree</i>	Sub-Decree No.36 Anrk.bk on Solid Waste Management, April 1999	under survey	Solid Waste

The regulations of environmental pollution control in Cambodia are regulated by sub-decrees.

The sub-decrees defining the environmental pollution regulation related to industrial activities are listed above; The “Sub-Decree No.27 Anrk.bk” regulates restrictions of water quality and effluent in rivers. The “Sub-Decree No.42 Anrk.bk” regulates restrictions of air and noise pollution. The “Sub-Decree No.36 Anrk.bk” regulates restrictions of management of solid industrial waste.

A4.2.5. Laws and Regulations for Land, River and Building Code (Cambodia)

Table A4.2.5 Laws and Regulations for Land, River and Building Code in Cambodia

	Law / Regulations	Supervisory Authority	Matter
<i>Laws</i>	Law on Land, 2001	Minister of Land Management, Urban Planning and Construction	Land use
<i>Laws</i>	Law on Forestry, 2002	under survey	Forest
<i>Decrees</i>	Sub-Decree On Community Forestry Management	under survey	Forest
<i>Decrees</i>	Sub-Decree on River Basin Management (Draft)	under survey	River

Legal provision for the land use and forest are issued in “Law on Land” and “Law on Forestry”.

Regulations for the development and use of river basin are to be enacted by Governmental sub-decree. Draft of the document has already been published.

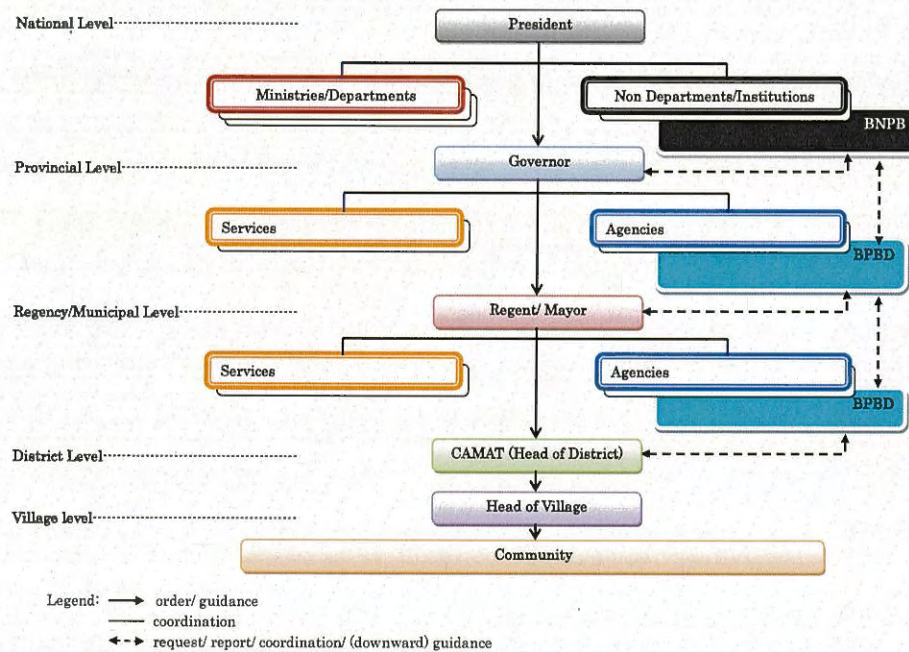
In our research, a specific Building Standards enacted in Cambodia has not been verified.

A4.3. INDONESIA

A4.3.1. Disaster Policy and Disaster Management Organization (Indonesia)

In Indonesia, the National Agency for Disaster Management (BNPB) is established as the institute for implementation and organization of integrated disaster management. BNPB also has the function for coordination of disaster preparation and mitigation, emergency response and reconstruction.

Considered with the local level, it is supposed that Local Agency for Disaster Management (BPBD) is established at every province, district, and city. As of 2012, All 33 provinces already have BPBDs, while 395 out of 405 regencies and 97 cities have established them.



Sources: Dr. Syamsul Maarif, Msi (date unknown) *Disaster Management in Indonesia*, (Presentation Slide), p.11.

Fig. A4.3.1 Disaster Management Structure in Indonesia

A4.3.2. Laws and Regulations of Disaster Management (Indonesia)

(1) Disaster Management Law

Table A4.3.1 Laws and Regulations of Disaster Management in Indonesia

	Laws / Regulations	Supervisory Authority	Matter
Laws	Law of the Republic of Indonesia concerning disaster management, (Law No.24), 2007	BNPB	Disaster Management

The Law on Disaster Management (No. 24) was enacted in 2007. Ancillary regulations for this law are also enacted in 2008: 1) Regulation No. 22 on Disaster Aid Financing and Management, 2) Regulation No.23 on Participation of International Institutions and Foreign Non-Governmental Organizations in Disaster Management, and 3) Regulation No.8 on National Agency Disaster Management. Disaster mitigation aspects are reflected in nearly all of the ministries' policy framework.

(2) Disaster Management Strategies and Plans

Table A4.3.2 Strategies and Plan for Disaster Management in Indonesia

	Laws / Regulations	Supervisory Authority	Matter
<i>Plans</i>	National Disaster Management Plan 2010-2014	BNPB	General Disasters
<i>Plans</i>	National Action Plan for Disaster Risk Reduction 2010-2012	BNPB	General Disasters
<i>Plans</i>	Regional governments' action plans	BPBD	General Disasters

From regulation of The Disaster Management Law (No.24), "National Action Plan for Disaster Risk Reduction 2010-2012" is decided upon as an action plan about implementation of the disaster management of Indonesia in 2010. The annual action plan of each ministry and the local government's action plan are formulated considering this action plan as a basis. As of March 2012, maintenance of an action plan is completed in all the 33 states. In regencies and cities in which BPBD is established, formulation of the same action plan is to be made.

A4.3.3. Regulations, Standards or Guidelines for BCM/BCP (Indonesia)

Table A4.3.3 Regulations, Standards or Guidelines for BCM/BCP in Indonesia

	Laws / Regulations	Supervisory Authority	Matter
<i>Regulations</i>	Regulation No 9/15/PBI/2007	Bank of Indonesia	BCM
<i>Regulations</i>	Regulation no. 6/8/PBI/2004	Bank of Indonesia	BCM
<i>Regulations</i>	Indonesia BCP	Bank Indonesia (Central Bank)	BCM
<i>Guidelines</i>	Manual: business continuity planning, 2011	International Labour Organization	BCM

The "Regulation No 9/15/PBI/2007" prescribes the regulations of the implementation of risk management in use of IT systems on a banking. In this regulation, the "Data recovery centers" are defined as the back up facilities in order to be function in time of disasters.

In the "Regulation no. 6/8/PBI/2004" the establishment of BCP and Disaster recovery plan in a bank is described.

The "Manual: business continuity planning" indicates importance of business continuity planning effort and its guideline for development is published, however there is only in Indonesian.

The documents for "Indonesia BCP" have not been verified in this survey.

A4.3.4. Laws and Regulations of Environment and Pollution (Indonesia)

(1) Environmental Law and Regulations

Table A4.3.4 Laws and Regulations of Environment in Indonesia

	Law / Regulations	Supervisory Authority	Matter
<i>Laws</i>	Environmental Basic Law, No.04, 1982	Ministry of Environment	Environment
<i>Laws</i>	Environmental Management Act, No.23, 1997	Ministry of Environment	Environment
<i>Laws</i>	Environmental Protection and Management Act, No.32,	Ministry of Environment	Environmental

	2009		Assessment
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The legal system for managing environment in Indonesia is issued in the “Environmental Basic Law, No.04” and the “Environmental Management Act, No.23”. In addition, the Environmental Assessment is institutionalized in the “Environmental Protection and Management Act, No.32”.

(2) Laws and Regulations for Environmental Pollution Control

Table A4.3.5 Laws and Regulations for Environmental Pollution Control in Indonesia

	Laws / Regulations	Supervisory Authority	Matter
<i>Laws</i>	Law on Water Resources, No.7, 2004	Ministry of Environment	Water Pollution
<i>Regulations</i>	Government Regulation No.82/2001 (Water Quality Management and Waste Water Control)	Ministry of Environment	Water Pollution
<i>Decrees</i>	Ministerial Decree No.51/MENLH/10/1995 (Effluent Standard for Industry)	Ministry of Environment	Industrial Effluent
<i>Regulations</i>	Government Regulation No.41, 1999 (Air Pollution Management)	Ministry of Environment	Air Pollution
<i>Decrees</i>	Ministerial Decree No.48/MENLH/11/1996 (Noise Standards)	Ministry of Environment	Noise
<i>Decrees</i>	Ministerial Decree No.49/MENLH/11/1996 (Vibration Standards)	Ministry of Environment	Vibration
<i>Regulations</i>	Government Regulation No.74/2001	Ministry of Environment	Hazardous Waste
<i>Decrees</i>	Government Regulation No.18 and No.85 (Hazardous Waste Management)	Ministry of Environment	Hazardous Waste
<i>Regulations</i>	Government Regulation No.27, 1999 (Environmental Impact Assessment (EIA))	Ministry of Environment	Environmental Assessment
<i>Decrees</i>	Ministry of Environment Decree No.11, 2006	Ministry of Environment	Environmental Assessment

Legal rules for environmental pollution control in Indonesia are defined by several Decrees and Regulations. The Decrees and Regulations related to industrial activities are listed. The subject matters of these regulations are “Water”, “Industrial Effluent”, “Air Pollution”, “Noise”, “Vibration”, “Hazardous Waste” and also “Environmental Assessment”.

A4.3.5. Laws and Regulations for Land, River and Building Code (Indonesia)

Table A4.3.6 Laws and Regulations for Land, River and Building Code in Indonesia

	Laws / Regulations	Supervisory Authority	Matter
<i>Laws</i>	Law No.5, 1960 concerning Basic Agrarian Law	under survey	Land Use
<i>Decrees</i>	Presidential Decree No.36, 2005	under survey	Land Acquisition
<i>Decrees</i>	Presidential Decree No.65, 2006	under survey	Land Acquisition
<i>Laws</i>	Forestry Act, 1999	under survey	Forestry
<i>Laws</i>	River Act, 1991	under survey	River

There are “Law No.5, 1960 concerning Basic Agrarian Law” in the use of land in Indonesia. Moreover,

acquisition of land is prescribed by "Presidential Decree No.36 and 2005" and "Presidential Decree No.65 and 2006."

In addition, although the regulation about fundamental use and development of a forest and a river is defined by "Forestry Act", "River Act", the direct statement about the urgent correspondence, and the disaster restoration and revival at the time of a disaster cannot be checked.

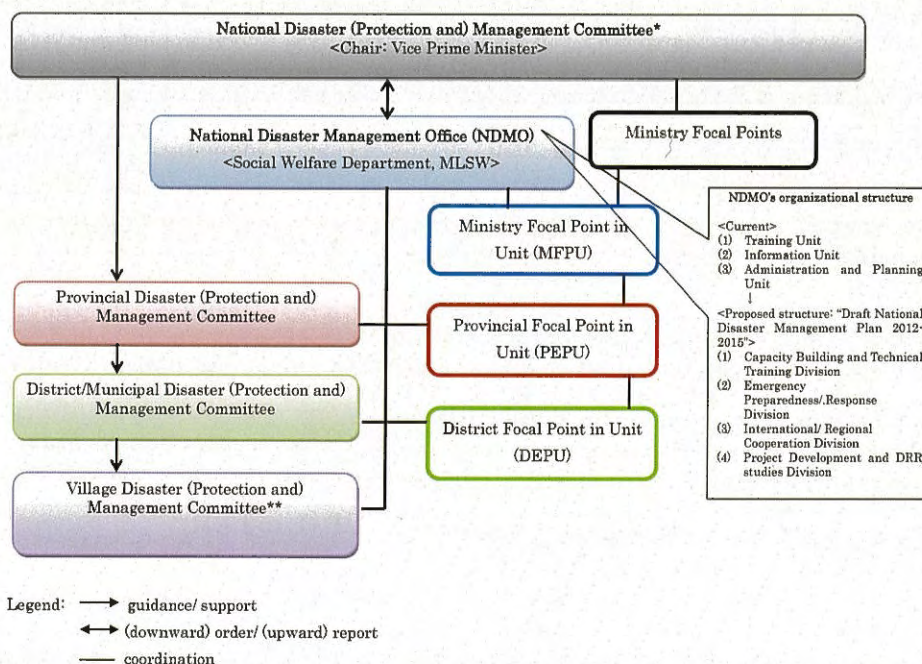
Moreover, the regulations about construction standards have not been verified in this investigation.

A4.4. LAO PDR

A4.4.1. Disaster Policy and Disaster Management Organization (Lao PDR)

Prime Minister Decree No. 158 was issued in 1999 in order to establish the National Disaster Management Committee (NDMC), and the decree defined establishment of National Disaster Management Office in the Provincial/District Disaster Management Committee.

Committees are also established in all the provinces (PDMC: Provincial Disaster Management Committee) and districts (DDMC: District Disaster Management Committee). The Village Disaster Protection Unit (VDPU) is also set up at the village level.



Source: Draft National Disaster Management Plan 2012- 2015, p.26. <Partly added by JICA Study Team>

Note: *NDMC is renamed by the draft decree on National Disaster Protection and Management (Provisional English Translation by the JICA Study Team). Differences are bracketed off. ** Committee at the village level is established especially where there is high risk. It is currently called the Village Disaster Protection Unit (VDPU) in the draft National Disaster Management Plan 2012- 2015.

Fig. A4.4.1 Disaster Management Structure in Lao PDR

A4.4.2. Laws and Regulations of Disaster Management (Lao PDR)

(1) Disaster Management Law

Table A4.4.1 Laws and Regulations of Disaster Management in Lao PDR

	Laws / Regulations	Supervisory Authority	Matter
Decrees	The Prime Minister's Decree No.158, 1999	under survey	Disaster Management
Decrees	NDMC Decree No.097, 2000	NDMC	Disaster Management

It is expected that the Prime Minister's Decree to order the preparation of a Disaster Management Law will be issued by around October 2012. If the decree is issued as assumed, the law will be started to be prepared targeting to be enacted within 2013.

The functions and responsibilities of each sections in NDMC are defined in the “NDMC Decree No. 097”.

(2) Disaster Management Strategies and Plans

Table A4.4.2 Strategies and Plan for Disaster Management in Lao PDR

	Laws / Regulations	Supervisory Authority	Matter
<i>Plans</i>	Strategic Plan on Disaster Risk Management in Lao 2020, 2010 and Action Plan (2003-2005)	Ministry of Labour and Social Welfare	General Disasters
<i>Plans</i>	National Disaster Management Plan 2012-2015	under survey	General Disasters
<i>Plans</i>	National adaptation plan for action - NAPA (2009)	under survey	General Disasters

“Strategic Plan on Disaster Risk Management in Lao 2020, 2010” was issued in the form of Decree No.158 by the Ministry of Labour and Social Welfare (MLSW) in 2003. The plan lists long-term aims up to 2020 and goals for the medium-term until 2005 and 2010. Since 2011, the “National Disaster Management Plan 2012-2015” has been drafted and reviewed. A decree from the Prime Minister is necessary for the above new plan to be implemented even after it is finalized.

In its 2009 report “Disaster Risk Management Programs for Priority Countries”, the Global Facility for Disaster Reduction and Recovery (GFDRR) highlights Lao PDR as one of the priority countries the World Bank will continue to give support in the fiscal year 2010-2012

A4.4.3. Regulations, Standards or Guidelines for BCM/BCP (Lao PDR)

No regulations, standards or guidelines for business continuity management in time of disaster have been identified in Lao PDR.

A4.4.4. Laws and Regulations of Environment and Pollution (Lao PDR)

(1) Environmental Law and Regulations

Table A4.4.3 Laws and Regulations of Environment in Lao PDR

	Laws / Regulations	Supervisory Authority	Matter
<i>Laws</i>	Environmental Protection Law, 1999	Science, Technology and Environment Agency	Environment, Environmental Assessment

As the basic law on a environmental management in Lao PDR, “Environmental Protection Law” has been enacted since 1999. The “Environmental Protection Law” prescribes the regulation of disaster management, and the function of NDMC in a time of disaster is defined as an organizer of disaster related agencies.

(2) Laws and Regulations for Environmental Pollution Control

Due to the absence of published documents for legal system on Environmental Pollution Control in Lao PDR, it is difficult to obtain the specific information about the regulations.

A4.4.5. Laws and Regulations for Land, River and Building Code (Lao PDR)

Table A4.4.4 Laws and Regulations for Land, River and Building Code in Lao PDR

	Laws / Regulations	Supervisory Authority	Matter
<i>Laws</i>	Land Act	under survey	Land Use
<i>Laws</i>	Forest Act,1996	under survey	Forestry
<i>Laws</i>	Water Act	under survey	River

Due to the absence of published documents for legal system in Lao PDR, it is difficult to obtain the specific information about the regulations.

There are several basic laws on the sectors related to Disaster Management. The “Land Act” has been developed, and it issues about land use. For development and usage of riverine system has been regulated by the “Water Act”. In addition, there is the “Forest Act” for the protection of forestry land.

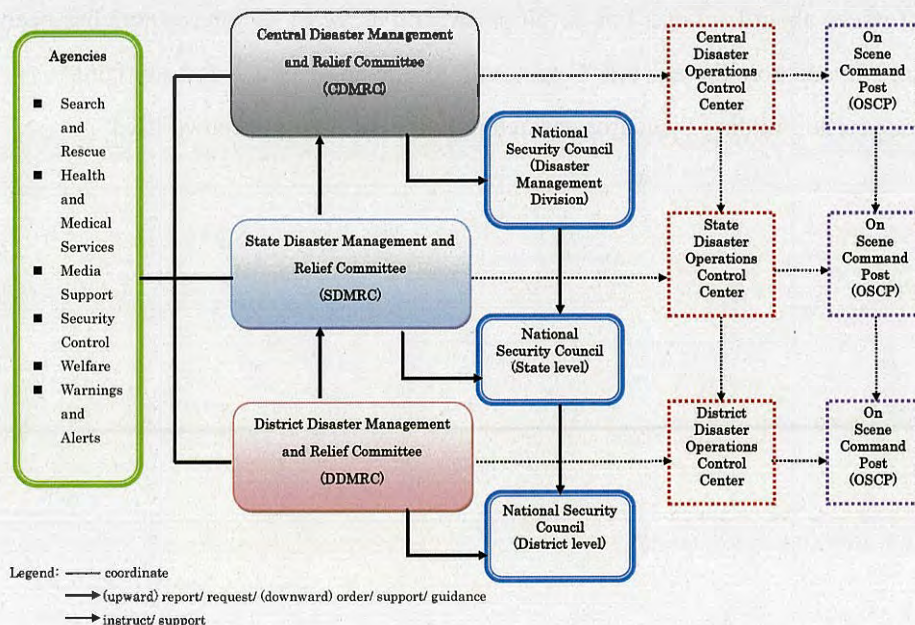
In our research, a specific Building Standards enacted in Lao PDR has not been verified.

A4.5. MALAYSIA

A4.5.1 Disaster Policy and Disaster Management Organization (Malaysia)

Disaster Management Organization in Malaysia is consisted of the “Central Disaster Management and Relief Committee (CDMRC)” in federal government level as the top organization and the “State Disaster Management and Relief Committee” and the “District Disaster Management and Relief Committee” in local level.

Besides, The NSC is the implementing agency for disaster management. The NSC established a Disaster Management Division (DMD) based on the condition of “NSC Directive No.20” .



Source: A. Fakhru'l-Razi (date unknown) *Disaster Management in Malaysia* (PPT Slide), p.36.

Fig. A4.5.1 Disaster Management Structure in Malaysia

A4.5.2. Laws and Regulations of Disaster Management (Malaysia)

(1) Disaster Management Law

Table A4.5.1 Laws and Regulations of Disaster Management in Malaysia

	Laws / Regulations	Supervisory Authority	Related Law
<i>Government Orders</i>	National Security Council Directive No.20	National Security Council	Disaster Management

Malaysia has no specific disaster management law. However, it has a disaster management policy and mechanism known as the “National Security Council (NSC) Directive No.20” approved by the Prime Minister in 1997.

NSC Directive No.20 is in the course of revision to shift its paradigm from emergency response to disaster prevention and mitigation as agreed among ASEAN countries. This revised NSC No.20 is to be approved by the Prime Minister in March or April 2012. In our research for this report, however, this revision of Directive is not confirmed.

(2) Disaster Management Strategies and Plans

Table A4.5.2 Strategies and Plan for Disaster Management in Malaysia

	Laws / Regulations	Supervisory Authority	About Disasters
<i>Plans</i>	Climate Change Adaptation Policy	under survey	Climate Change
<i>Plans</i>	National Slope Master Plan 2009-2023	Public Works Department	Landslide
<i>Plans</i>	Integrated River Basin Management Plan	Selangor Waters Management Authority	Flood
<i>Plans</i>	Federal Haze Action Plan	under survey	Haze

There is no specific disaster management plan but preparation of one is intended once the new NSC No.20 is approved.

Several Disaster Management Plan has been developed for each Hazard; Climate Change, Landslide, Flood and Haze. The strategy and action plan for reducing risk from landslides on slopes nationwide are defined by the “National Slope Master Plan 2009-2023”. Other plans, however, are not found in published information, thus the substance defined in these plan are not clear and needed an additional research.

A4.5.3. Regulations, Standards or Guidelines for BCM/BCP (Malaysia)

Table A4.5.3 Regulations, Standards or Guidelines for BCM/BCP in Malaysia

	Laws / Regulations	Supervisory Authority	Related Law
<i>Standards</i>	MS (Malaysia Standards) 1970, Business Continuity Management Framework, 2007	Technical Committee on Business Continuity Management	BCM
<i>Guidelines</i>	Guidelines on Management of IT Environment, 2004, Bank Negara Malaysia	Central Bank of Malaysia	Business Contingency
<i>Guidelines</i>	Guidelines on Business Continuity Management, 2008, Bank Negara Malaysia	Central Bank of Malaysia	BCM

The “MS 1970, Business Continuity Management Framework” has been developed to provide the policies for organizations to develop, implement and maintain the BCP.

In the “Guidelines on Management of IT Environment” which is developed for the purpose of mitigation the risks pertaining to IT environment in a bank, the procedures of business resumption and contingency plan are also described.

The “Guidelines on Business Continuity Management” are developed for financial institute in order to provide the principles and requirements of BCM in a bank and also to describe the methods of planning of BCP.

Outlines minimum responsibilities and requirements for planning and managing, as well as, establishing preventive and detective measures that should be implemented by institutions to mitigate the risks pertaining to IT environment

A4.5.4. Laws and Regulations of Environment and Pollution (Malaysia)

(1) Environmental Law and Regulations

Table A4.5.4 Laws and Regulations of Environment in Malaysia

	Laws / Regulations	Supervisory Authority	Related Law
<i>Laws</i>	Environmental Quality Act, 1974 (revised in 2006)	Ministry of Natural Resources and Environment, Department of Environment	Environment Management

The integrated law on environmental management in Malaysia is “Environmental Quality Act”, which established in 1974. The act which was revised in 2006 issues the regulations for “Effluent”, “Air pollutant emission”, “Disposal and management of hazardous waste”, “Provisions of environmental assessment” and so on.

(2) Laws and Regulations for Environmental Pollution Control

Table A4.5.5 Laws and Regulations for Environmental Pollution Control in Malaysia

	Laws / Regulations	Supervisory Authority	Related Law
<i>Regulations</i>	Environmental Quality (Clean Air) Regulations, 1978	Department of Environment	Air Pollution
<i>Regulations</i>	Environmental Quality (Industrial Effluent) Regulations, 1979	Department of Environment	Industrial Effluent
<i>Regulations</i>	Environmental Quality (Sewage and Industrial Effluents) Regulations, 1979	Department of Environment	Industrial Effluent
<i>Regulations</i>	Environmental Quality (Scheduled Wastes) Regulation, 1989	Department of Environment	Industrial Waste

The regulations among environmental pollution control related to industrial activities are listed. These Environmental Quality Regulations are based on the “Environmental Quality Act, revised in 1985”.

A4.5.5. Laws and Regulations for Land, River and Building Code (Malaysia)

Table A4.5.6 Laws and Regulations for Land, River and Building Code in Malaysia

	Laws / Regulations	Supervisory Authority	Related Law
<i>Laws</i>	Town and Country Planning Act, 1976 (revised in 2005)	Ministry of Land and Cooperative Development	Development
<i>Laws</i>	Land Conservation Act	under survey	Land Use
<i>Laws</i>	National Forest Act, 1984	under survey	Forestry
<i>Laws</i>	Federal Forest Act	under survey	Forestry
<i>Regulations</i>	Highland Slope Development Guidance	under survey	Development
<i>Laws</i>	Road, Drainage and Building Act, 1974 (revised in 2000)	under survey	Building Standards

In Malaysia, the laws which rules about town development, land use or forest conservation have been developed. On these laws and regulations, however, any particular provisions related to emergency management or disaster rehabilitation management have not been issued.

The regulation for constructions of streets, drains and buildings is enacted based on the “Road, Drainage

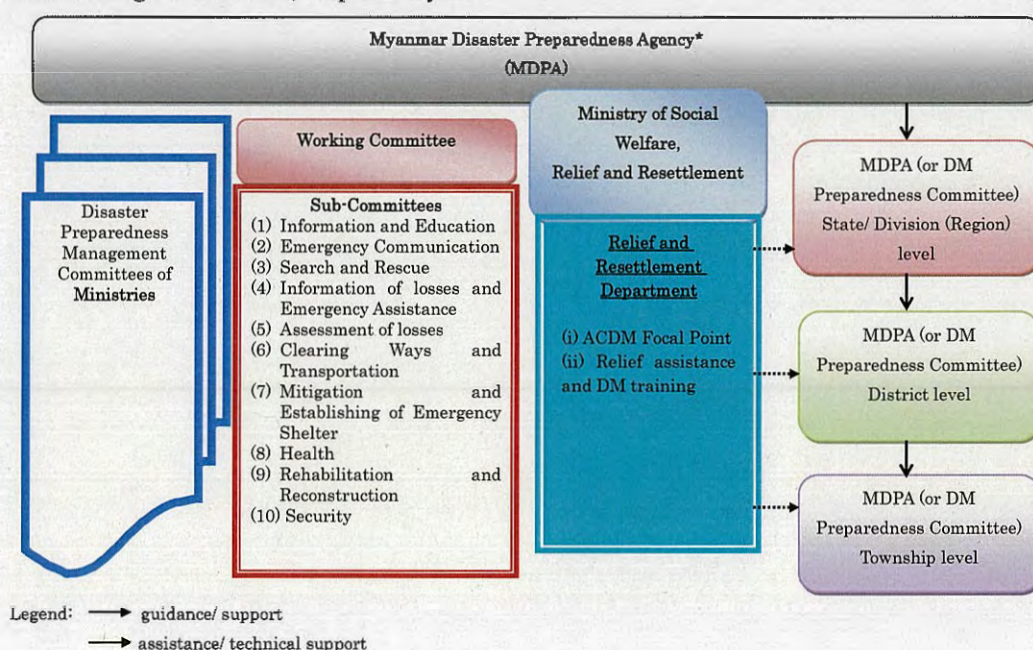
and Building Act". In our research, any documents about a specific Building Code in Malaysia have not been acquired yet.

A4.6. MYANMAR

A4.6.1. Disaster Policy and Disaster Management Organization (Myanmar)

Myanmar Disaster Preparedness Agency (MDPA) has been established in 2011, which used to be named Central Committee on National Disaster Prevention. The MDPA is chaired by the Minister of Social Welfare, Relief and Resettlement Department.

The local level disaster management structure has not changed much, but its chairman is assumed by the Chief Minister at the state/regional level following the new administrative structure under the new Constitution. Similar structure and chairmanship are applied to districts, township and towns/wards/village-tract levels, respectively.



Source: JICA Study Team

Note: *New name "MDPA" is used here as it is mentioned among related government officers in Myanmar. As it is still under reform, names of organizations at the local level are indicated in both possible new names and current names.

Fig. A4.6.1 Disaster Management Structure in Myanmar

A4.6.2 Laws and Regulations of Disaster Management (Myanmar)

(1) Disaster Management Law

Table A4.6.1 Laws and Regulations of Disaster Management in Myanmar

	Laws / Regulations	Supervisory Authority	Related Law
Laws	Disaster Management Bill (to be enacted)	MDPA	Disaster Management
Laws	Rehabilitation Board Act, 1950	under survey	Disaster Rehabilitation

The "Disaster Management Bill" has been drafted and submitted to the Union Attorney-General for scrutiny. It is expected to be approved by around June 2012. The "Disaster Management Bill" is expected to define the role and structure of the organization and agencies engaged in disaster management clearly.

(2) Disaster Management Strategies and Plans

Table A4.6.2 Strategies and Plan for Disaster Management in Myanmar

	Laws / Regulations	Supervisory Authority	About Disasters
<i>Government Orders</i>	Standing Order, 2009	under survey	Disaster Management
<i>Plans</i>	Myanmar Action Plan on Disaster Risk Reduction (MAPDRR) 2009-2015	MDPA	Disaster Management
<i>Plans</i>	Regional / State Flood Protection Plans	under survey	Flood

The “Myanmar Action Plan on Disaster Risk Reduction (MAPDRR) 2009-2015” has been prepared but it requires endorsement of the national government to be a formal document.

Local governments or authorities do not have the official framework of integrated disaster management plans and implementation plans. Except the Regional / State Flood Protection Plans, any disaster management plans have not been established yet in local level.

A4.6.3. Regulations, Standards or Guidelines for BCM/BCP (Myanmar)

No regulations, standards or guidelines for business continuity management in time of disaster have been identified in Myanmar.

A4.6.4. Laws and Regulations of Environment and Pollution (Myanmar)

(1) Environmental Law and Regulations

Table A4.6.3 Laws and Regulations of Environment in Myanmar

	Laws / Regulations	Supervisory Authority	Related Law
<i>Laws</i>	National Environmental Conservation Law, 2012	General Environmental Conservation Department	Environment Management

The enough information about regulations of environment has not been published in Myanmar.

The laws and regulations related to environmental conservation in Myanmar are established based on the “National Environmental Conservation Law, 2012”.

(2) Laws and Regulations for Environmental Pollution Control

Table A4.6.4 Laws and Regulations for Environmental Pollution Control in Myanmar

	Laws / Regulations	Supervisory Authority	Related Law
<i>Laws</i>	Factory Act, 1951	Factories and General Labour Laws Inspection Department	Industry
<i>Laws</i>	Conservation of Water Resources and Rivers Law, No.8/2006	Ministry of Transport	Water Resources, River

The enough information about regulations of environmental pollution control has not been published in Myanmar.

As the laws and regulations for environmental pollution control related to industrial activities, the “Factory

Act, 1951” is enacted. Furthermore the regulations for conservation of water resources and rivers are regulated in the “Conservation of Water Resources and Rivers Law, No.8/2006”.

A4.6.5. Laws and Regulations for Land, River and Building Code (Myanmar)

Table A4.6.5 Laws and Regulations for Land, River and Building Code in Myanmar

	Laws / Regulations	Supervisory Authority	Related Law
<i>Laws</i>	Board of Development Affairs Act, 1993	under survey	Development
<i>Laws</i>	Forest Law, No.8/92	Forest Department	Forestry
<i>Laws</i>	Protection of Wildlife and Conservation of Natural Areas Law, No.6/94	Forest Department	Nature Conservation

Several laws of town development and forest use are enacted in Myanmar.

However the policies of conservation of forest and natural area are issued in the “Forest Law” and “Protection of Wildlife and Conservation of Natural Areas Law”, there are few direct provisions about regulation against industrial activities.

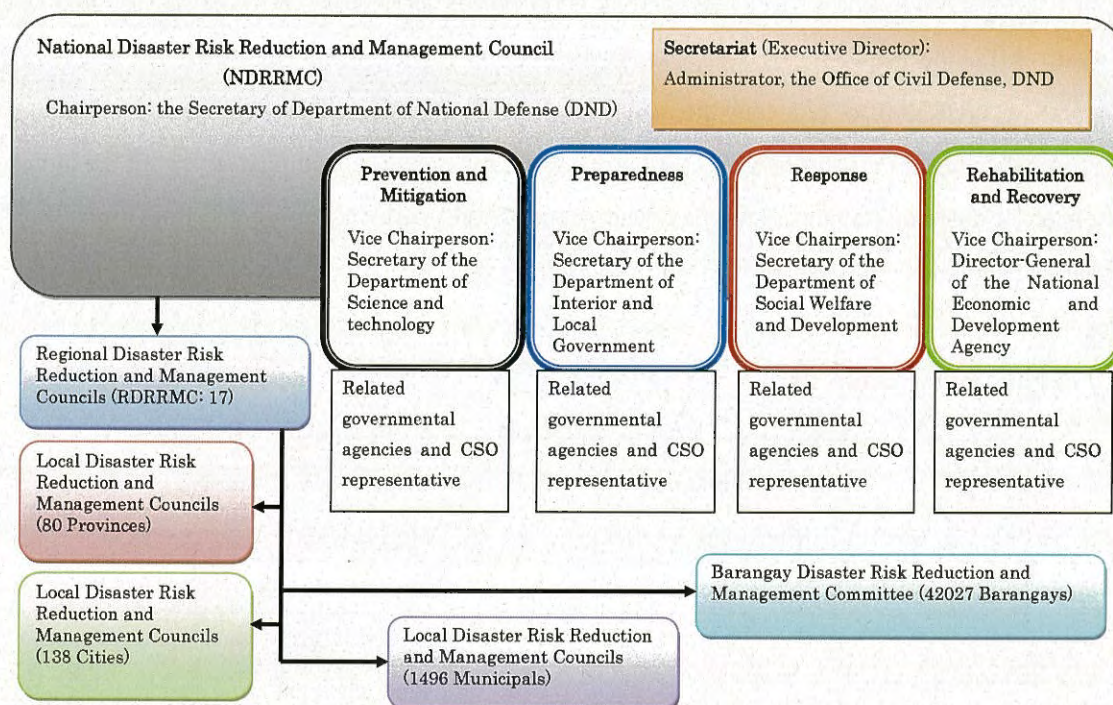
In our research, a specific Building Standards enacted in Myanmar has not been verified.

A4.7. PHILIPPINES

A4.7.1. Disaster Policy and Disaster Management Organization (Philippines)

Under the Office of Civil Defense in the Department of National Defense, the “National Disaster Risk Reduction Management Council (NDRRMC)” has been established as the institute for the integrated Management of Disaster. It used to be named the “National Disaster Coordination Council”.

In local level, the governmental organization for disaster management is the “Regional Disaster Risk Reduction and Management Councils (RDRRMC)”, and it has the function for managing and organizing the “Local Disaster Risk Reduction and Management Councils” which is sub-organization of RDRRMC.



Legend: → guidance/ support/ monitoring

Source: JICA Study Team.

Note: Local level disaster risk reduction and management councils are supposed to be established as follows: (1) 17 RDRRMCs (Region) (2) LDRRMCs (80 provinces, 138 cities, 1496 municipalities, (3) BDRRMCs (42027 *Barangays*. RDRRMCs are chaired by the OCD Regional Directors, while other respective level is chaired by the Local Chief Executives.

Fig. A4.7.1 Disaster Management Structure in Philippines

A4.7.2. Laws and Regulations of Disaster Management (Philippines)

(1) Disaster Management Law

Table A4.7.1 Laws and Regulations of Disaster Management in Philippines

	Laws / Regulations	Supervisory Authority	Matter
Laws	Republic Act 101211 on Disaster Risk Reduction, 2010	NDRRMC	Disaster Management
Laws	Republic Act 9729 (Climate Change Act, 2009)	under survey	Climate Change

The “Republic Act 101211 on Disaster Risk Reduction” were issued in 2010 aiming at strengthening

disaster management system with the management framework. The act also institutionalizes the management plan and appropriation fund. The “Republic Act 101211” complements with the “Republic Act 9729 (Climate Change Act)” in terms of implementing rules and regulations.

(2) Disaster Management Strategies and Plans

Table A4.7.2 Strategies and Plan for Disaster Management in Philippines

	Laws / Regulations	Supervisory Authority	Matter
<i>Plans</i>	Strategic National Action Plan 2009-2019	NDRRMC	General Disasters
<i>Plans</i>	Mindanao declaration on disaster risk reduction priorities	under survey	General Disasters

In February 2012, the National Disaster Risk Reduction and Management Plan (NDRRMP) 2011-2028 were approved. NDRRMP covers four thematic areas, namely, i) disaster prevention and mitigation, ii) disaster preparedness, iii) disaster response, and iv) disaster rehabilitation and recovery, with the indication of the expected outcome, outputs, activities, lead agencies, and partners setting timelines from short- to long-term. An implementation plan is also believed to be necessary.

A4.7.3. Regulations, Standards or Guidelines for BCM/BCP (Philippines)

Table A4.7.3 Regulations, Standards or Guidelines for BCM/BCP in Philippines

	Laws / Regulations	Supervisory Authority	Matter
<i>Regulations</i>	Circular No.268 (Philippines Central Bank)	Monetary Board	BCM
<i>Regulations</i>	Circular No.269 (Philippines Central Bank)	Monetary Board	BCM
<i>Regulations</i>	Circular No.542 (Philippines Central Bank)	Monetary Board	BCM
<i>Guidelines</i>	Manila Bank BCP	Bank of Central Philippines (Local Central Bank)	BCM

In Philippines, the circulars describing the bank management policies in times of disaster are enacted. The “Circular No.268” issues the policies of outsourcing of a certain function in banking, and the outsourcing of disaster recovery and BCP procedures is defined in the policies. The “Circular No.269” issues the necessity of descriptions of electrical banking systems in a time of contingency and disaster recovery. Moreover, the “Circular No.542” issues the securities and availabilities for e-banking systems in the emergency.

Any documents of “Manila Bank BCP” Guideline have not been verified.

A4.7.4. Laws and Regulations of Environment and Pollution (Philippines)

(1) Environmental Law and Regulations

Table A4.7.4 Laws and Regulations of Environment in Philippines

	Laws / Regulations	Supervisory Authority	Matter
<i>Laws</i>	Environmental Policy Law	Department of Environment and Natural	Environment Management

		Resources	
<i>Decrees</i>	Presidential Decree No.1151 (Philippine Environment Policy of 1977)	Department of Environment and Natural Resources, Environment Management Bureau	Environmental Assessment
<i>Decrees</i>	Presidential Decree No.1152 (Philippine Environment Code of 1977)	Department of Environment and Natural Resources	Environmental Assessment
<i>Decrees</i>	Presidential Decree No.1586 (Environmental Impact Statement [EIS] System)	Department of Environment and Natural Resources	Environmental Assessment

About the legal system concerning the environment of Philippines, regulation by presidential order is issued based on "Environmental Policy Law." The regulation by each statute and presidential order are under the jurisdiction of Department of Environment and Natural Resources, Environment Management Bureau and National Environment Protection Council.

(2) Laws and Regulations for Environmental Pollution Control

Table A4.7.5 Laws and Regulations for Environmental Pollution Control in Philippines

	Laws / Regulations	Supervisory Authority	Matter
<i>Laws</i>	Clean Water Act (Republic Act No.9275)	Department of Environment and Natural Resources	Water Pollution
<i>Laws</i>	Clean Air Act of 1999, (Republic Act No.8749)	Department of Environment and Natural Resources	Air Pollution
<i>Laws</i>	Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990 (Republic Act No.6969)	Department of Environment and Natural Resources	Industrial Waste
<i>Laws</i>	Republic Act No.9003 (Ecological Solid Waste Management of 2000)	Department of Environment and Natural Resources	Industrial Waste
<i>Governmental Orders</i>	DAO No.2001-34 (Implementing Rules and Regulations of Republic Act No.9003)	Department of Environment and Natural Resources	Industrial Waste
<i>Governmental Orders</i>	DAO No.2003-30 (Implementing Rules and Regulations for the Philippine Environmental Impact Statement [EIS] System)	Department of Environment and Natural Resources	Environmental Assessment
<i>Governmental Orders</i>	DAO No. 1993-14, Revised Air Quality Standards of 1992, Revising and Amending the Air Quality Standards of 1978	Department of Environment and Natural Resources	Air Pollution
<i>Governmental Orders</i>	DAO 1990-34, Revised Water Usage and Classification/Water Quality Criteria	Department of Environment and Natural Resources	Water Pollution
<i>Standards</i>	DENR Ambient Noise Quality Standards	Department of Environment and Natural Resources	Noise

In Philippines, the environmental pollution regulation on an industrial activity is prescribed in detail by the individual statute. The target regulations are the regulation about water pollution, air pollution, industrial waste, manufactory waste water, noise, etc. and the regulation about the object and standard of

environment assessment.

A4.7.5. Laws and Regulations for Land, River and Building Code (Philippines)

Table A4.7.6 Laws and Regulations for Land, River and Building Code in Philippines

	Laws / Regulations	Supervisory Authority	Matter
<i>Laws</i>	Republic Act No.7586, An Act Providing for the Establishment and Management of National Integrated Protected Areas System, Defining Its Scope and Coverage, and for Other Purposes	under survey	Development, Land Use
<i>Laws</i>	Republic Act No.7279, An Act to Provide for a Comprehensive and Continuing Urban Development and Housing Program, Establish the Mechanism for its Implementation, and for other Purposes	Housing and Land Use Regulatory Board	Development, Land Use
<i>Laws</i>	Republic Act No.8974, An Act to Facilitate the Acquisition of Right-Of-Way, Site or Location for National Government Infrastructure Projects and for other Purposes, November 2000	under survey	Development, Land Use
<i>Laws</i>	Board of Development Affairs Act, 1993	under survey	Development
<i>Laws</i>	Subdivision Law	under survey	Land Use
<i>Laws</i>	Watershed Law	under survey	River
<i>Laws</i>	Republic Act No. 6541, the National Building Code of the Philippines	under survey	Building Standards

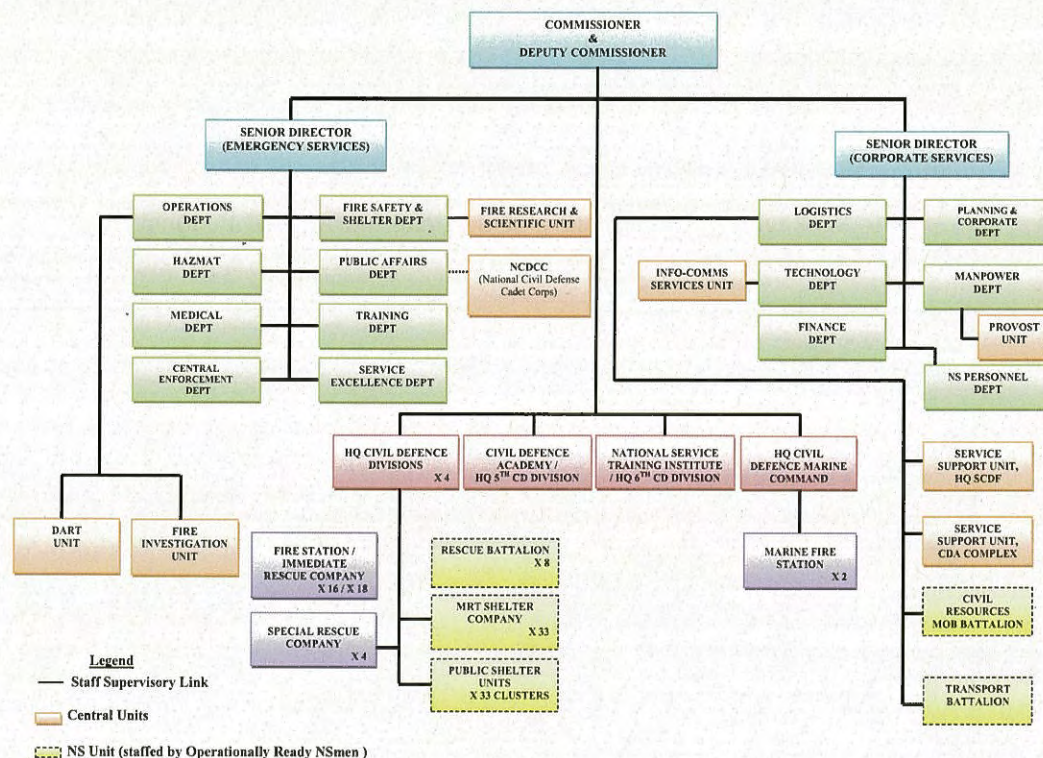
In Philippines, the regulation relevant to land use and urban development is prescribed by some Republic Act. In addition, although the statute about land use or river management and development is defined, the information about the details of regulation is insufficient.

About construction standards, "National Building Code" is specified and the legal standards about the regulation for safety reservation of a building are established. The definition of the building which suffered damage from the disaster as a dangerous building is also shown.

A4.8. SINGAPORE

A4.8.1. Disaster Policy and Disaster Management Organization (Singapore)

Ministry of Home Affairs is functioning as a central design-of-policy government organization for national safety or protection. Singapore Civil Defense Force (SCDF) is established as an urgent correspondence organization of the country engaged in fire extinguishing and emergency activity. When national disaster happens, SCDF plays the role of adjustment of plan and execution of correspondence activity among several organizations to mitigate the influence of a disaster on the tactical level of disaster management. Besides, Singapore has all ministries engaged in Home-front Crisis Management System. These are composed of the Home-front Ministry Group, Home-front Crisis Executive Group and Statutory Board. The policy of the disaster prevention system of Singapore seems to have the tendency to put emphasis on an urban disaster rather than a natural disaster.



Source: SCDF (The organizational chart as of November 1, 2011)

Fig. A4.8.1 Disaster Management Structure in Singapore

A4.8.2. Laws and Regulations of Disaster Management (Singapore)

(1) Disaster Management Law

Table A4.8.1 Laws and Regulations of Disaster Management in Singapore

	Laws / Regulations	Supervisory Authority	Matter
Laws	Civil Defense Act, 1986	Ministry of Home Affairs	General Disaster
Laws	Civil Defense Shelter Act, 1997	Ministry of Home Affairs	General Disaster
Laws	Fire Safety Act, 1986	Ministry of Home Affairs	Fire

No comprehensive disaster management law exists, only related laws to tackle each disaster. These are the “Fire Safety Act (1986)” and “Environmental Pollution Control Act (2002)”. In relation with emergency response, there are the “Civil Defense Act (1986)” and “Civil Defense Shelter Act (1997)”.

(2) Disaster Management Strategies and Plans

Table A4.8.2 Strategies and Plan for Disaster Management in Singapore

	Laws / Regulations	Supervisory Authority	Matter
<i>Plans</i>	Operations Civil Emergency (Ops CE) Plan	Ministry of Home Affairs, SCDF	Emergency
<i>Plans</i>	National Tsunami Response Plan	Ministry of Home Affairs, SCDF	Tsunami

Singapore has an “Operation Civil Emergency (Ops CE) Plan”, which is a national contingency plan.

The “National Tsunami Response Plan” has also been developed, and establishment of early warning system is discussed in this plan.

A4.8.3. Regulations, Standards or Guidelines for BCM/BCP (Singapore)

Table A4.8.3 Regulations, Standards or Guidelines for BCM/BCP in Singapore

	Laws / Regulations	Supervisory Authority	Matter
<i>Standards</i>	Singapore Standard 540:2008 (SPRING: Singapore productivity and innovation)	Business Continuity Management Technical Committee	BCP
<i>Standards</i>	Singapore Standard 507:2004 (SPRING: Singapore productivity and innovation)	SPRING Singapore, Ministry of Trade and Industry	BCP
<i>Guidelines</i>	MAS Business Continuity Management Guidelines, June 2003	Monetary authority of Singapore	BCP
<i>Guidelines</i>	MAS Consultation Paper On Business Continuity Planning (BCP) Guidelines, 2003	Monetary authority of Singapore	BCP
<i>Guidelines</i>	Guidelines for Company Emergency Response Plan	Ministry of Home Affairs, SCDF	Business Contingency
<i>Guidelines</i>	Business Continuity Management Requirements for SGX members	Singapore Exchange	BCP

SPRING (Standards, Productivity, and Innovation Board) Singapore is the governmental board under the Ministry of Trade and Industry, and it is in charge of standardizations and development of qualities of products in Singapore. The “Singapore Standards 540” introduces the BCM framework and indicates the directions of BCM establishment in industries. The “Singapore Standards 507” also indicates providers of business continuity and disaster recovery services.

The “MAS Business Continuity Management Guidelines” issues principles on senior management responsibilities for BCM. The “MAS Consultation Paper On BCP Guidelines” is developed in order to encourage the adoption of BCP practices by financial institutions in Singapore.

A4.8.4. Laws and Regulations of Environment and Pollution (Singapore)

(1) Environmental Law and Regulations

Law and Regulations for Environment are stated in "b) Law and Regulations for Environmental Pollution Control". In Singapore, Law and Regulations for environment are based on the same Law about the Pollution Control.

(2) Laws and Regulations for Environmental Pollution Control

Table A4.8.4 Laws and Regulations for Environmental Pollution Control in Singapore

	Laws / Regulations	Supervisory Authority	Matter
<i>Laws</i>	Environmental Pollution Control Act, 2002	National Environment Agency	Environment
<i>Regulations</i>	Environmental Pollution Control (Trade Effluent) Regulations	National Environment Agency	Industrial Effluent
<i>Regulations</i>	Environmental Pollution Control (Air Impurities) Regulations	National Environment Agency	Air Pollution
<i>Regulations</i>	Environmental Pollution Control (Hazardous Substances) Regulations	National Environment Agency	Industrial Waste
<i>Laws</i>	Environmental Public Health Act	under survey	Environment
<i>Regulations</i>	Environmental Public Health (Toxic Industrial Waste) Regulations	under survey	Industrial Waste
<i>Laws</i>	Sewerage and Drainage Act	Public Utilities Board	Industrial Effluent
<i>Regulations</i>	Sewerage and Drainage (Trade Effluent) Regulations	Public Utilities Board	Industrial Effluent

The laws and regulations concerning the environment and environmental pollution prevention in Singapore are mainly prescribed by the statute of "Environmental Pollution Control Act and 2002" and "Environmental Public Health Act." By each statute, regulation is defined about the individual environmental pollution factor, and manufactory-waste-water regulation, air pollution regulation, the regulation about poisonous substance management, and the regulation about industrial waste management are one of things relevant to an industrial activity.

Moreover, about a sewer and drainage, there is regulation also by "Sewerage and Drainage Act."

A4.8.5. Laws and Regulations for Land, River and Building Code (Singapore)

Table A4.8.5 Laws and Regulations for Land, River and Building Code in Singapore

	Laws / Regulations	Supervisory Authority	Matter
<i>Laws</i>	Planning Act, Chap.232, 1998	Ministry of National Development	Development
<i>Laws</i>	Land Acquisition Act, Chap.152, 2007	under survey	Land Acquisition
<i>Laws</i>	Building Control Act, Chap.29, 2007	Building & Construction Authority, Ministry of National Development	Building Standards
<i>Regulations</i>	Building Control Regulations, 2007	Building & Construction Authority, Ministry of	Building Standards

		National Development	
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The regulation relevant to the land use concerning development is defined by "Planning Act, Chap.232, and 1998." Moreover, the legal system about land expropriation is specified by "Land Acquisition Act and Chap.152-2007."

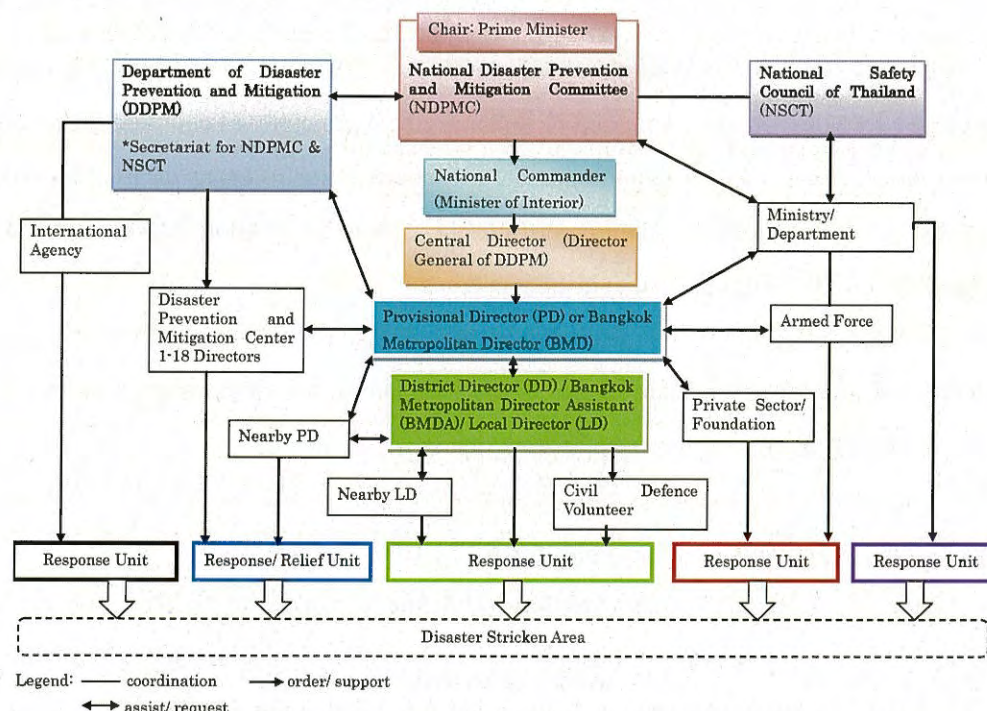
As for the regulation about the construction standards in Singapore, "Building Control Act and 2007" are defined and the standard for the safety reservation in a building is shown. In the law, the regulation about the environmental maintenance (Environmental Sustainability) in building construction is also specified.

A4.9. THAILAND

A4.9.1. Disaster Policy and Disaster Management Organization (Thailand)

Based on National Civil Defense Plan 2005, DDPM implements integrated disaster risk management.

For overall management of disaster, the National Disaster Prevention and Mitigation Committee (NDPMC) are established, and also the Department of Disaster Prevention and Mitigation (DDPM) is established as the implementation function of NDPMC. At the local level, the Provincial Governor is the Provincial Director responsible for disaster prevention and mitigation operation.



Source: NDPMC "National Disaster Prevention and Mitigation Plan B.E. 2553-2557 (2010-2014)", p.18.

Fig. A4.9.1 Disaster Management Structure in Thailand

A4.9.2. Laws and Regulations of Disaster Management (Thailand)

(1) Disaster Management Law

Table A4.9.1 Laws and Regulations of Disaster Management in Thailand

	Laws / Regulations	Supervisory Authority	Matter
Laws	Disaster Prevention and Mitigation Act, 2007	NDPMC	Disaster Management

The "Disaster Prevention and Mitigation Act" were issued in 2007.

The flood disaster in 2011 provided an occasion to review the policy. More solid prevention and mitigation measures are considered.

(2) Disaster Management Strategies and Plans

Table A4.9.2 Strategies and Plan for Disaster Management in Thailand

	Laws / Regulations	Supervisory Authority	About Disasters
<i>Plans</i>	National Civil Defense Plan 2005	DDPM	General Disasters
<i>Plans</i>	Strategic National Action Plan for Disaster Risk Reduction 2010-2019 (SNAP)	DDPM	General Disasters
<i>Plans</i>	National Disaster Prevention and Mitigation Plan 2010-2014 (NDPMP)	DDPM	General Disasters
<i>Plans</i>	Flood, storm and landslide prevention master plan for natural disaster prevention and relief of affected people (2008-2012)	DDPM	Flood, Storm, Landslide

In 2010, the “National Disaster Prevention and Mitigation Plan 2010-2014 (NDPMP)” was established. The framework of NDPMP is largely composed of i) management principle, ii) countermeasure procedure, and iii) security threat management & countermeasure procedure. It indicates, as disaster countermeasure procedure, 14 disaster cases and the standing order for each of them. In addition, based on the NDPMP, it is expected that local DPMPs are supposed to be prepared.

In light of the flood disaster event in 2011, a contingency plan is also planned to be prepared in April 2012. Moreover, the “Flood, storm and landslide prevention master plan for natural disaster prevention and relief of affected people (2008-2012)” was approved by the Cabinet.

A4.9.3. Regulations, Standards or Guidelines for BCM/BCP (Thailand)

Table A4.9.3 Regulations, Standards or Guidelines for BCM/BCP in Thailand

	Laws / Regulations	Supervisory Authority	Matter
<i>Standards</i>	TIS 22301-2553, Business Continuity Management Systems	Thai Industrial Standards Institute (TISI)	BCM
<i>Guidelines</i>	118/2550 - Policy on BCM and BCP for Financial Institutions	Bank of Thailand	BCM

The “Policy on BCM and BCP for Financial Institutions” is developed for financial institutes in order to help them to enhance their preparedness for BCM and establish the BCP. This policy statement briefly addresses directions and requirements for BCM / BCP and procedures for a preparation of BCP in banks are indicated, which for example the identification of impacts from disruption to Critical Business Functions and setting of recovery time objectives are needed to prepare the BCP.

Although in this statement it is denoted that the policy statement of “Contingency Plan for Information Technology” was issued by Bank of Thailand in 2005, published information or documents has not been found. Any documents of “TIS 22301-2553, Business Continuity Management Systems” have not been verified.

A4.9.4. Laws and Regulations of Environment and Pollution (Thailand)

(1) Environmental Law and Regulations

Table A4.9.4 Laws and Regulations of Environment in Thailand

	Laws / Regulations	Supervisory Authority	Matter
<i>Laws</i>	Enhancement and Conservation of National Environmental Quality Act B.E.2535, 1992	The Minister of Science, Technology and Environment	Environment Management

The “Enhancement and Conservation of National Environmental Quality Act B.E.2535” is established as the integrated law of the environmental conservation in Thailand. The act describes the policy of public participation for the enhancement and conservation of environmental qualities, and also defines roles of agencies related to environmental pollution control.

(2) Laws and Regulations for Environmental Pollution Control

Table A4.9.5 Laws and Regulations for Environmental Pollution Control in Thailand

	Laws / Regulations	Supervisory Authority	Matter
<i>Decrees</i>	Notification the Ministry of Science, Technology and Environment, No. 3, B.E.2539, 1996	Ministry of Science, Technology and Environment, Pollution Control Department	Industrial Effluent
<i>Laws</i>	Factory Act B.E.2535	Ministry of Industry	Factory
<i>Laws</i>	Hazardous Substance Act B.E.2535	Ministry of Industry, Department of Industrial Works	Industrial Waste
<i>Laws</i>	Public Health Act B.E. 2535, 1992	Ministry of Public Health	Environmental Pollution
<i>Laws</i>	Public Cleansing Act B.E. 2535, 1992	under survey	Environmental Pollution
<i>Standards</i>	Water Quality Standards, 2009	Pollution Control Department (PCD), Ministry of Natural Resources and Environment	Water Pollution
<i>Standards</i>	Air Quality and Noise Standards, 2007	PCD, Ministry of Natural Resources and Environment	Air Pollution
<i>Standards</i>	Soil Quality Standards, 2004	PCD, Ministry of Natural Resources and Environment	Soil Pollution
<i>Plans</i>	Pollution Prevention and Mitigation Policy in accordance with the Policy and Perspective Plan for Enhancement and Conservation of the National Environmental Quality 1997-2016 (1992)	PCD, Ministry of Natural Resources and Environment	Environmental Management

The regulations for control criteria of effluent from factory and industrial complex is developed by the “Notification the Ministry of Science, Technology and Environment, No. 3, B.E.2539, 1996”. In addition, “Factory Act” and “Hazardous Substance Act” are developed in order to prescribe the rules of industrial pollution.

The criteria to control pollution that threatens the human health are described in the “Public Health Act B.E.2535”, and the implementation in Pollution Control Department (PCD) for public cleansing is issued by

the “Public Cleansing Act B.E. 2535”.

There are several standards regulating conservation of qualities of Water, Air and Soil, and the standard values of contamination and methodology of analysis are prescribed.

A4.9.5. Laws and Regulations for Land, River and Building Code (Thailand)

Table A4.9.6 Laws and Regulations for Land, River and Building Code in Thailand

	Laws / Regulations	Supervisory Authority	Matter
<i>Laws</i>	Land Readjustment Act B.E.2547	under survey	Land Use
<i>Laws</i>	National Reserve Forest Act, 1964	under survey	Forestry
<i>Laws</i>	Groundwater Act B.E. 2520, 1977	under survey	Water Resources
<i>Laws</i>	Building Control Act, 1979	under survey	Building Standards

In Thailand, the regulations related to land use and development is established as “Land Readjustment Act B.E.2547” and “National Reserve Forest Act, 1964”.

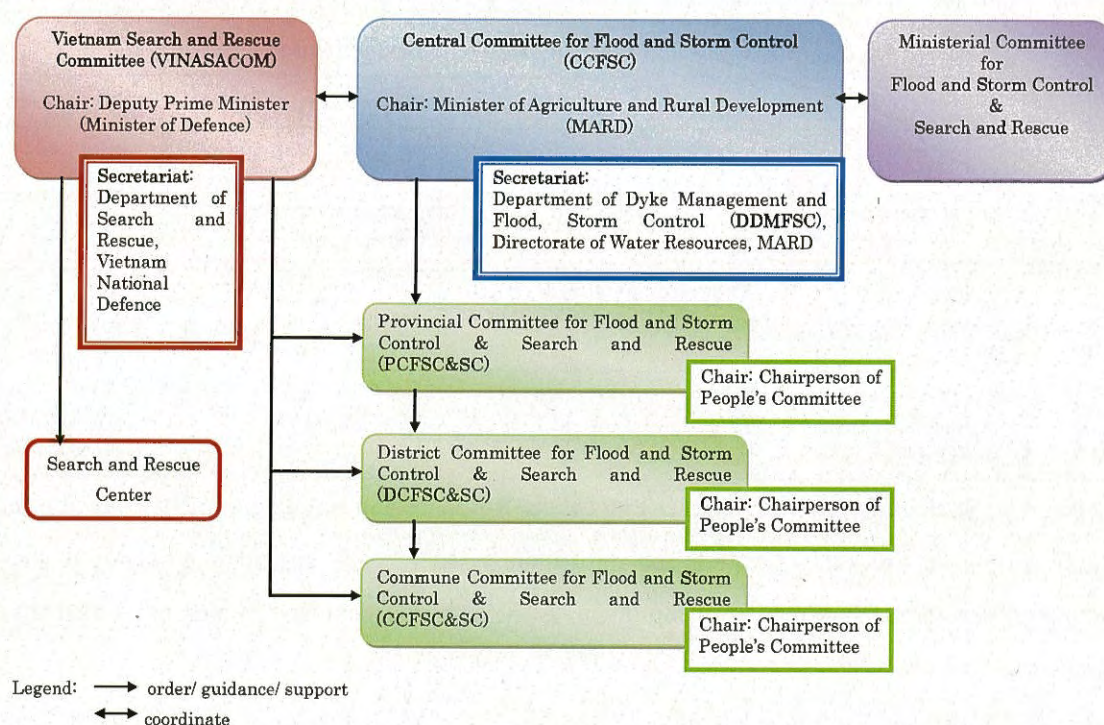
Any information or published documents about Building Control Act has not been verified.

A4.10. VIETNAM

A4.10.1. Disaster Policy and Disaster Management Organization (Vietnam)

At the central government level, two ministerial committees are established and the committees have the different functions concerning “prevention of the flood and storm” and “disaster emergency response”. The committee for “prevention of the flood and storm” is the Central Committee for Flood and Storm Control (CCFSC) and for “disaster emergency response” is the National Committee for Search and Rescue (NCSR).

At the local level, the Provincial Committee for Flood and Storm Control and Search and Rescue (PCFSC&SR) is established, which assumes the function both “prevention of the flood and storm” and “disaster emergency response”. Same applies to the district (DCFSC&SR) and commune (CCFSC&SR) levels. Enhancement of disaster management systems at all administrative level is identified as a priority area to be addressed in Action Plan of NSDPRM2020.



Source: JICA Study Team.

Fig. A4.10.1 Disaster Management Structure in Vietnam

A4.10.2. Laws and Regulations of Disaster Management (Vietnam)

(1) Disaster Management Law

Table A4.10.1 Laws and Regulations of Disaster Management in Vietnam

	Laws / Regulations	Supervisory Authority	Matter
Laws	Disaster Management Law (Draft)	Minister of Agriculture and Rural Development, Department of Dyke Management	Disaster Management
Decrees	Decree No.168 - HDBT, 1990	under survey	Disaster

			Management
<i>Decrees</i>	Statutes on Dike Management, and Flood and Typhoon Mitigation	Minister of Agriculture and Rural Development, Department of Dyke Management	Flood
<i>Decrees</i>	Ordinance on Flood and Storm Control	under survey	Flood

The Disaster Management Law has been drafted with the support of the United Nations Development Programme, and is to be enacted in 2013.

The implementation plan of the “National Strategy for Natural Disaster Prevention, Response and Mitigation to 2020” was issued in 2009 as the guideline for other ministries/agencies and local governments to apply according to local situations. Provinces prepare local implementation plans following this national framework.

(2) Disaster Management Strategies and Plans

Table A4.10.2 Strategies and Plan for Disaster Management in Vietnam

	Laws / Regulations	Supervisory Authority	Matter
<i>Plans</i>	National Strategy for Natural Disaster Prevention, Response and Mitigation to 2020 (2007 - 2020)	Minister of Agriculture and Rural Development, Department of Dyke Management	General Disasters
<i>Plans</i>	Implementation Plan of the National Strategy for Natural Disaster Prevention, Response and Mitigation to 2020, 2009	under survey	General Disasters
<i>Plans</i>	Plan of operations of Vietnam National Committee on International Decade for Natural Disaster Reduction (IDNDR)	under survey	General Disasters

In the “National Strategy for Natural Disaster Prevention, Response and Mitigation to 2020”, it emphasizes the policy shift from disaster prevention and mitigation based only on structural measures to the one including non-structural measures, from top-down to local government and community-based disaster management.

Provinces prepare respective implementation plan on the basis of “Implementation Plan of the National Strategy for Natural Disaster Prevention, Response and Mitigation to 2020”.

The implementation plan of the National Strategy for Natural Disaster Prevention, Response and Mitigation to 2020 was issued in 2009 as the guideline for other ministries/agencies and local governments to apply according to local situations. Provinces prepare local implementation plans following this national framework.

A4.10.3. Regulations, Standards or Guidelines for BCM/BCP (Vietnam)

No regulations, standards or guidelines for business continuity management in time of disaster have been identified in Vietnam.

A4.10.4. Laws and Regulations of Environment and Pollution (Vietnam)

(1) Environmental Law and Regulations

Table A4.10.3 Laws and Regulations of Environment in Vietnam

	Laws / Regulations	Supervisory Authority	Matter
<i>Lawss</i>	Law on Environmental Protection, revised in 2005	Ministry of Natural Resource and Environment	Environment Management
<i>Law</i>	Law on Water Resources, 1998	under survey	Water Resources

The “Law on Environmental Protection, 2005” has been enacted, and it prescribes the integrated environmental management rules. The policy for the prevention of environmental incidents caused by disasters is also mentioned in the Environmental Law Chap.9 and Chap.11.

Additionally, in the “Law on Water Resources”, the policy for the prevention of flood and other incidents caused by water is provide; in the Law on Water Resources, Chap.4, Chap.5.

(2) Law and Regulations for Environmental Pollution Control

Table A4.10.4 Laws and Regulations for Environmental Pollution Control in Vietnam

	Laws / Regulations	Supervisory Authority	Matter
<i>Regulations</i>	QCVN 08 : 2008/BTNMT	Ministry of Natural Resource and Environment	Water Pollution
<i>Regulations</i>	QCVN 14 : 2008/BTNMT	Ministry of Natural Resource and Environment	Industrial Effluent
<i>Regulations</i>	QCVN 09 : 2008/BTNMT	Ministry of Natural Resource and Environment	Water Resources
<i>Regulations</i>	QCVN 24: 2009/BTNMT, National Technical Regulation on Industrial Wastewater	Ministry of Natural Resource and Environment	Industrial Effluent
<i>Regulations</i>	QCVN 03 : 2008/BNMT	under survey	Soil Pollution
<i>Regulations</i>	QCVN 19 : 2009/BTNMT, National Technical Regulation on Industrial Emission of Inorganic Substances and Dust	Ministry of Natural Resource and Environment	Air Pollution
<i>Regulations</i>	QCVN 20 : 2009/BTNMT, National Technical Regulation on Industrial Emission of Organic Substances	Ministry of Natural Resource and Environment	Air Pollution
<i>Laws</i>	Law on Chemicals (No.06/2007/QH12)	Ministry of Industry and Trade, Vinachemia	Industrial Waste

The law and regulations for prevention of environmental pollution are listed. These regulations define the provision of management of “Water pollution”, “Soil pollution”, “Air pollution”, “Industrial effluent” and “industrial waste”.

Most of these regulations have the no published document translated in English, thus their details are not clear in this report.

A4.10.5. Laws and Regulations for Land, River and Building Code (Vietnam)

Table A4.10.5 Laws and Regulations for Land, River and Building Code in Vietnam

	Laws / Regulations	Supervisory Authority	Matter
<i>Laws</i>	Law of Land, 2003	Ministry of Natural Resource and Environment	Land Use
<i>Regulations</i>	Statutes on Dike Management, and Flood and Typhoon Mitigation	under survey	River
<i>Regulations</i>	Ordinance on Water Resources Structures Protection	under survey	River

The policy of the prevention for flood and other water disasters is defined in “Statutes on Dike Management, and Flood and Typhoon Mitigation” and “Ordinance on Water Resources Structures Protection”.

Due to the absence of published documents, little information about the regulations for development or land use is obtained in our research. In addition, any information about Building Standards in Vietnam has not been verified.