

6. TRADE AND INDUSTRY

6.1 Ministry of International Trade and Industry (MITI)

The Ministry of International Trade and Industry (MITI) came into being in 1990 when the then Ministry of Trade and Industry was separated into two ministries. The objective of the ministry is to plan, legislate and implement international trade and industrial policies that will ensure Malaysia's rapid development towards achieving National Economic Policy and Vision 2020.

Currently there are six agencies that fall under the ambit of MITI:

- Malaysia External Trade Development Corporation (MATRADE)
- Malaysia Productivity Corporation (MPC)
- Malaysian Industrial Development Authority (MIDA)
- SME Corporation Malaysia (SME Corp. Malaysia)
- Halal Industry Development Corporation
- Malaysian Industrial Development Finance (MIDF)
- Small and Medium Enterprise Bank (SME Bank)

Malaysia External Trade Development Corporation (MATRADE)

MATRADE was established in March 1993 as a statutory agency under MITI. As Malaysia's national export promotion agency, MATRADE is responsible for assisting Malaysian companies succeed in the international market.

MATRADE serves to promote Malaysia's external trade with particular emphasis on the export of manufactured and semi-manufactured products and services. In addition, MATRADE formulates and implements export marketing strategies and trade promotion activities to increase Malaysia's exports, undertakes market research, and creates a comprehensive database of information for the development and improvement of Malaysia's trade. MATRADE also organizes training programs to enhance the international marketing skills of Malaysian exporters, promotes and assists in services related to trade, and protects Malaysia's international trade interest abroad⁷.

Malaysia Productivity Corporation (MPC)

The MPC which was formerly known as the National Productivity Corporation was established in 1962 as a joint project between the United Nations Special Fund and the Federal Government, with the International Labour Organisation acting as its executing

⁷ Source: <http://www.matrade.gov.my>

agency. Today, it is the lead agency in the enhancement of productivity and quality of the country.

Malaysian Industrial Development Authority (MIDA)

MIDA is the government's principal agency for the promotion of the manufacturing and services sectors in Malaysia. MIDA assists companies which intend to invest in the manufacturing and its related services sectors, as well as facilitates the implementation of their projects. The wide range of services provided by MIDA includes providing information on the opportunities for investments, as well as facilitating companies which are looking for joint venture partners. MIDA also assists companies interested in venturing abroad for business opportunities⁸.

SME Corporation Malaysia (SME Corp)

SME Corp. Malaysia is the central point of reference for information and advisory services for all SMEs in Malaysia. Formerly known as the Small and Medium Industries Development Corporation (SMIDEC), its aim is to develop capable and resilient Malaysian SMEs to be competitive in the global market.

Small and Medium Enterprise Bank (SME Bank)

SME Bank was established in October 2005 as a result of the integration exercise between Bank Pembangunan & Infrastruktur Malaysia Berhad and Bank Industri & Teknologi Malaysia Berhad, However in March 2008 it underwent a separation exercise. Thus, effective 1 April 2008, SME Bank is wholly owned by the Minister of Finance Incorporated and is placed under MITI.

The SME Bank is designed to function ultimately as a one-stop financing and business development centre for SMEs.

⁸ Source: www.mida.gov.my

Institutional Information Sheets

6.1.1 Malaysia External Trade Development Corporation (MATRADE)

Institutional Information Sheet (as of 23rd October 2009)

Name of Institution: **Malaysia External Trade Development Corporation (MATRADE)**

Related Government Ministry/Department: **Ministry of International Trade Industry (MITI)**

Contact details of Institution (address, tel, fax, email):

Malaysia External Trade Development Corporation (MATRADE)

Menara MATRADE, Jalan Khidmat Usaha, Off Jalan Duta, 50480 Kuala Lumpur, MALAYSIA

General Tel: 603-6207 7077 General Fax: 603-6203 7037 / 7033

General Email: info@matrade.gov.my Website: <http://www.matrade.gov.my>

Name and position of respondent: **Mr Jamaludin Hussain**, Senior Director, Management Services Division

Pn Anisah Ali, Senior Manager, Competency & Career Development Unit, Management Services Division

Siti Nur Nafhatun Awang Tuah, Assistant Manager, Management Services Division

Contact details of respondent: 03-6207 7288 (Mr Jamaludin); 03-6207 7833 (Pn Anisah)

Outline and General Information of Organization

a) Brief History

Malaysia External Trade Development Corporation (MATRADE) was established in March 1993 as a statutory agency under the Ministry of International Trade Industry (MITI).

As Malaysia's national export promotion agency, MATRADE is responsible for assisting Malaysian companies succeed in the international market. MATRADE's vision of making Malaysia the premier exporting nation is paired with its mission to develop and promote Malaysia's exports to the world.

MATRADE serves to promote Malaysia's external trade with particular emphasis on the export of manufactured and semi-manufactured products and services. In addition, MATRADE formulates and implements export marketing strategies and trade promotion activities to increase Malaysia's exports, undertakes market research, and creates a comprehensive database of information for the development and improvement of Malaysia's trade. MATRADE also organizes training programs to enhance the international marketing skills of Malaysian exporters, promotes and assists in services related to trade, and protects Malaysia's international trade interest abroad.

b) Aims and Objectives

Vision

- Positioning Malaysia as a Globally Competitive Trading Nation

Mission

- Promoting Malaysia's Enterprises to the World

MATRADE's objectives are:

- To raise the profile of Malaysian exporters in foreign markets;
- To disseminate timely and relevant information and market intelligence to help Malaysian companies gain a competitive edge in foreign markets;

- To introduce Malaysian companies to foreign importers seeking Malaysian suppliers; and
- To undertake activities to promote the export of Malaysian goods and services in overseas markets.

MATRADE is also actively involved in assisting foreign companies to source for suppliers of Malaysian products and services, and is represented worldwide at 40 locations in major commercial cities. In Malaysia, MATRADE has five local branches in Penang, Terengganu, Johor, Sabah, and Sarawak.

c) Function and Principal activity

MATRADE's mission is to develop and promote Malaysia's export to the world and its functions are:

- To promote, assist and develop Malaysia's external trade with particular emphasis on the export of manufactured and semi-manufactured products and, on a selective basis, imports;
- To formulate and implement a national export marketing strategy to promote the export of manufactured and semi-manufactured products;
- To undertake commercial intelligence and market research and create a comprehensive database of information for the improvement and development of trade;
- To organise training programmes to improve the international marketing skills of the Malaysian exporters;
- To enhance and protect Malaysia's international trade interests abroad;
- To represent Malaysia in any international forum in respect of any matter relating to trade;
- To develop, promote, facilitate and assist in service areas related to trade; and
- To advise the Government on matters affecting or in any way connected with trade and to act as the agent of the Government or for any person, body or organisation on such matters.

Among the services provided by MATRADE are:

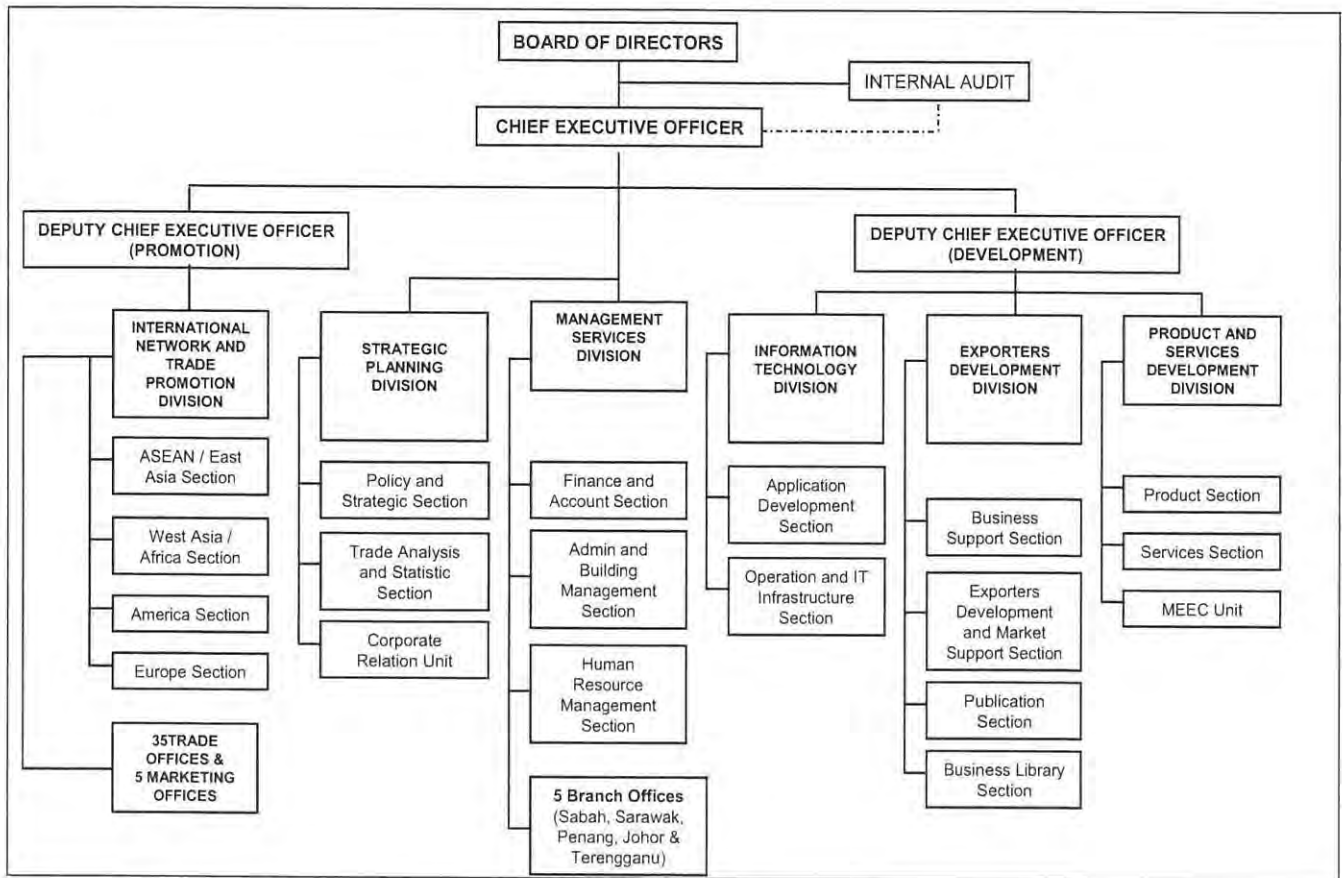
- MATRADE Business Library;
- Electronic Publications;
- Market Information;
- Organising overseas Trade Missions, Specialised Marketing Missions, International Trade Fairs, Promotion Booths, Malaysian Product Exhibitions and In-Store Promotions;
- Exhibition Centres (Domestic and International);
- Business Matching following Trade Enquiries;
- Incoming Buying Missions;
- Incoming Trade Delegations; and
- Seminars and workshops.
- Malaysian exporters or export ready companies are welcome to become MATRADE member by registering online or by submitting their Malaysia Exporters Registry brochure to the Trade Advisory Services Unit. Registration with MATRADE is free.

d) Description of organizational structure and facilities

MATRADE embarked on an organisational restructuring exercise wherein its functions have been further streamlined for greater effectiveness through redefining its two primary functions, namely promotion of Malaysian exports and development of products and services. This exercise enabled MATRADE to improve and expand its services. The restructuring saw an expansion of its workforce from 424 to 518 personnel in 2007

Source: MATRADE Annual Report 2007

e) Organization Chart



f) Description of specialized fields with the contents of activity

Export Support Services:

- Trade Information (MATRADE Business Library, MATRADE Publications, Trade Statistics, MATRADE Online News, Services Sector Bulletin)
- Trade Promotion (Overseas Trade Fairs, Trade and Investment Missions, Specialised Marketing Missions, In-Store Promotion, Information Booths, Promotion of Services, Exhibition Centres)
- Trade Matching (Trade Enquiries, Inward Buying Missions, Incoming Trade Delegations, Trade Leads and Tender Notifications)
- Export Development (Training for Export, Trade Advisory Help Desk, Briefing & Consultation)
- Assistance Programmes (Financial Assistance Schemes - Market Development Grant (MDG), Financial Assistance Schemes - Brand Promotion Grant (BPG), Financial Assistance Schemes - Services Export Fund (SEF), Tax Incentives, Development Programme for New Exporters)
- Industry Excellence Awards
- Malaysian Innovations

1. Official Development Assistance

1a) History / experience of Technical Cooperation or Loan Assistance by the Government of Japan

a) Technical Cooperation Project

Malaysia External Trade Development Corporation (MATRADE)

Period: 1 July 1994-30 June 1999

Project Purpose

- To enable MATRADE to organize, operate and manage a variety of programs for trade promotion

Outputs

- To learn appropriate knowledge and technology concerning the promotion of exports
- To conduct activities concerning sourcing, collection, and processing of trade information
- To develop a computerized trade information system
- To disseminate trade information
- To organize permanent exhibitions and ad hoc trade

Inputs

- Japanese Side:
 - Long-term experts 7
 - Short-term experts 25
 - Trainees received 20
 - Equipment 192 million yen
 - Local cost 20 million yen
- Malaysian Side
 - Counterparts 32
 - Land and facilities
 - Equipment 10 million ringgit (approx. 326 million yen)
 - Local cost 219 million ringgit (approx. 7,021 million yen)

b) Staff sent for training in Japan

	Name	Course attended	Year
1.	Dr Wong Lai Sum	Course Part Training for the MATRADE	1996
2.	Mr Jamaludin Hussain	Workshop On The Leadership & Innovation Balanced Scorecard	2007
3.	Mrs Susila Devi	Asian Cooperation Project	1997
4.	Mr Zakaria Kamaruddin	Training Course for Product Market for Government Information	1999
		Training Course for Product Market Study	1999
5.	Mrs Raja Nor Zihan	Counterpart Training For The Malaysia External Trade Dev Corp	1996
6.	Raja Mohsin	ASEAN – JAPAN workshop on information Tech App for Trade	2003
7.	Mr Amran Yem	Latihan JETRO	1997
		The Welcome Programme	1998

	Name	Course attended	Year
		Training Course on Competition Law & Policy	2007
8.	Mrs Jamaliah Jamaludin	Friendship Programme for 21 st Century	1998
9.	Ms Noraini Mohd Nor	Counterpart Training for MATRADE	1996
10.	Mrs Roseliah Taha	Kursus Counterpart Training in Trade Promotion for Malaysia	1995
11.	Mrs Sharimahton Mat Saleh	Friendship Programme for 21 st Century	1996
		Seminar Asia Export Control	1998
12.	Mr A. Rashid Mohd Zain	Seminar on Marketing for the Japanese Market	2000
13.	Mrs A'dzimah Ahmad Ghazalli	Counterpart Training – JICA	1997
14.	Ms Ching Hea Choo	Adv Statistical Analysis & Forecasting of External Trade	1999
		Industrial & Commercial Statistics for East Asia & Asean Contries	2006
15.	Mr Jonathan Andrew Rao a/l James	Asian Trade Promotion Forum (ATPF)	2001
16.	Mrs Jamilah Ibrahim	JICA – Export Promotion Activities	1997
17.	Mr Mansor Shah Wahid	Trade Investment Promotion Seminar (Asian Countries) JICA	2006
18.	Mr Mohd Amin Yatim	Foreign Trade Development For Leader	1999
19.	Mrs Roslina Long	JICA – Export Promotion Activities	1995
20.	Mr Too Kia Hong	Training Course on Small Industry Development for Export Promotion	1996
21.	Mrs Zurina Abdul Hamid	Friendship Programme for 21 st Century – JICA	1998
		Executive Management Seminar for Malaysia – JICA	2005
22.	Mr Har Man Ahmad	The Capacity Building Initiative Program (CBIP) 2006	2006
23.	Mr Khaifil Elmi Jamil	Latihan JETRO	2002
24.	Mr Mazlan Harun	The 10 th Program for Asian Entrepreneurs (PASE 2005) anjuran OSAKA IBPC	2005
25.	Mr Mohd Amin Bakar	The Program for Asian Entrepreneurs (PASE)	2003
26.	Mr Niqman Rafee Mohd Sahar	The Capacity Building Initiative Program (CBIP) 2006	2006
27.	Mrs Noor Hayati Abu Noh	IBPC Human Resource Development Programme 2007 (PASE)	2007
28.	Mr Norman Dzulkarnain Mohd Nasri	The Capacity Building Initiative Program (CBIP) 2006	2006
29.	Mrs Sijah Hussein	Individual Training Course In Export Promotion Activities	1995
30.	Mrs Siti Azlina Mohd Ali Hanafiah	IBPC Human Resoucece Development Programe (PASE 2006)	2006
31.	Mrs Siti Joana Manap	Latihan JETRO	1998
32.	Ms Azizah Ab. Aziz	Youth Invitation Programme – JICA	2005
33.	Mr Azmir Abd Ghaffar	Youth Invitation Programme – JICA	2005

	Name	Course attended	Year
34.	Mrs Nor Fadzilah Nawawi	ASEAN–Japan Workshop on Information Technology Application For Trade	2003
35.	Mr Naim Abdul Rahman	Youth Programme on Small and Medium Enterprises, JICA	2009

Source: MATRADE

c) Japanese experts assistance received by the institution (by number of dispatched)

	Assistance Provided /Teaching Subject	Month/Year	Duration (days)
1.	Chief Advisor	July 1994	1812
2.	Operational Coordination	July 1994	1115
3.	Trade Information	July 1994	1461
4.	Equipment Planning	Aug 1994	61
5.	Trade Research	Sept 1994	1096
6.	Japanese Markets	Oct 1994	9
7.	Trade Library	Nov 1994	1096
8.	Equipment Planning	Jan 1995	23
9.	Database	Feb 1995	12
10.	Japanese Markets	Mar 1995	
11.	Trade Statistics Software	May 1995	21
12.	International P. R	July 1995	9
13.	Equipment Planning	Aug 1995	23
14.	Furniture Marketing	Nov 1995	8
15.	*Food Import Regulations	1995	8
16.	*Inspection Equipment Supplied	1995	21
17.	International Trade Fair	Jan 1996	10
18.	Desk Top Publishing	Mar 1996	14
19.	Building Materials for Residential House	Aug 1996	7
20.	Product Marketing Research	Aug 1996	8
21.	Developing Malaysia Trade Statistics Retrieving (MTR) System	Mar 1997	11
22.	Developing Malaysia Trade Statistics Retrieving (MTR) System	Mar 1997	17
23.	Area Study	Mar 1997	6
24.	Permanent Exhibition Centre	Mar 1997	10
25.	Operational Coordination	July 1997	730
26.	Trade Research	Aug 1997	638
27.	Product Packaging and Labeling	Nov 1997	8
28.	Promotion Brand Names	Mar 1998	5
29.	Product Design and Presentation	Mar 1998	5
30.	Developing Malaysia Trade Statistics Retrieving (MTR) System	Mar 1998	10

	Assistance Provided /Teaching Subject	Month/Year	Duration (days)
31.	Developing Malaysia Trade Statistics Retrieving (MTR) System	Mar 1998	10
32.	Consumer Preference	Jan 1999	8
33.	Distribution Channel	Jan 1999	8
34.	Packaging Design and Labeling	Feb 1999	7
35.	*Measures To Promote Imports	1999	4
36.	*Product Display Techniques	1999	8

Source: Joint Evaluation Report on the Japanese Technical Cooperation for Malaysia External Trade Development Corporation in Malaysia, 1999

*Source: JICA Malaysia Office Data

2. Technical Cooperation provided by the institution for other developing countries

2a) Year of first involvement Malaysian Technical Cooperation Programme:

2006

2b) Type of MTCP provided (please tick)

- Short-term specialized training – scheduled training
- Study visit and practical attachments

2c) List of cooperation activities conducted by the institution (Training, Dispatch of Seminar Lecturer or Technical Expert)

	Title	Type	Country/ Region	Period	Year	Remarks (e.g. Number)
1.	"Sharing of Malaysia's Experience in Trade Promotion for OIC Member Countries"	MTCP	OIC Trade Promotion Organisations	20–26 Nov	2006	29 participants
				22–31 Oct	2007	34 participants
				22–31 July	2008	34 participants
2.	"Malaysia Endeavouring Global Trade Competitiveness for OIC/D8 Member Countries"	MTCP	OIC Trade Promotion Organisations	4–14 May	2009	33 participants
3.	"Interfacing with Chambers of Commerce on Global Challenges and Trade Opportunities"	MTCP	Chambers of Commerce: Developing Countries	11–16 Oct	2009	12 participants
4.	Nigeria Export Promotion Council Technical Assistance Programme	Technical Assistance Programme	NEPC	17-21 Nov	2008	2 participants
5.	Export Promotion Centres from OIC English Speaking Member Countries	On-the-Job Training	OIC	10-14 Dec	2007	8 participants
				Nov	2008	6 participants

	Title	Type	Country/ Region	Period	Year	Remarks (e.g. Number)
6.	Technical Assistance Programme with Officials From Pakistan Institute for Trade and Development	Technical Assistance Programme	PITAD	4 – 14 May	2009	9 participants

Source: MATRADE

2d) List of Training Courses under execution / planned by the institution for the future

Title	Type	Country/ Region	Period	Year	Remarks (e.g. Number)
Programme for Officials from OIC Countries, Trade Promotion Organisation	MTCP	OIC	10 days	2010	25 participants
Programme for Chambers of Commerce	MTCP	Developing Countries	10 days	2010	25 participants

Source: MATRADE

2e) Human Resources (Professionals and Expert)

	Name (Mr. / Ms)	Job Title	Field of Expertise
1.	Dato' Noharuddin Nordin	Chief Executive Officer	Trade Promotion
2.	Mr. Mohamad Kamarudin Hassan	Deputy Chief Executive Officer (Development)	Trade Promotion
3.	Dr. Wong Lai Sum	Deputy Chief Executive Officer (Trade Promotion)	Trade Promotion
4.	Mr. Jamaludin Hussain	Senior Director	Trade Promotion
5.	Mr. Zakaria Kamaruddin	Senior Director	Trade Promotion
6.	Mrs. Susila Devi	Senior Director	Trade Promotion
7.	Mr. Silmi Abd Rahman	Director	Trade Promotion
8.	YM Raja Nor Zihan Raja Mohsin	Director	Trade Promotion
9.	Mrs. Wan Norma Wan Daud	Director	Trade Promotion
10.	Mr. Prakas Nair	Director	Trade Promotion
11.	Ms. Aureen Jean Nonis	Director	Trade promotion
12.	Mr. Mohd Mustafa Abd Aziz	Director	Trade Promotion
13.	Mr. Mohd Aminuddin Sham Tajudin	Director	Trade Promotion
14.	Mr. Abu Bakar Koyakutty	Director	Trade Promotion
15.	Mr. Zulkepli Perai	Director	Trade Promotion

Source: MATRADE

3. Suggestions for Technical Cooperation

3a) The institution's possible or interested field of cooperation and country/region

- Malaysian Technical Cooperation Programme for Developing Countries
- Malaysian Technical Cooperation Programme for Least Developed Countries

3b) Any other comments for future activity as a resource institution for cooperation to other developing countries

Capacity building on trade promotion with developing countries in particular Least Developed Countries.

6.1.2 Malaysia Productivity Corporation (MPC)

Institutional Information Sheet (Date as of: 22/11/2009)

Name of Institution: **Malaysia Productivity Corporation** (formerly National Productivity Corporation)

Related Government Ministry/Department: **Ministry of International Trade and Industry**

Contact details of Institution (address, tel, fax, email):

Malaysia Productivity Corporation

P.O.Box 64, Jalan Sultan, 46904 Petaling Jaya Selangor.

Tel: 603 - 7955 7266 Fax: 603 - 7957 8068

Website: <http://www.mpc.gov.my>

Name and position of person in charge: **En Mohd Razali Hussain** (Director General), PA: Pn Lenna
Contact detail of the person in charge: Email leena@mpc.gov.my, hp:019-264 8143

Outline and General Information of Organization

a) Brief History

The Malaysia Productivity Corporation (MPC) which was formerly known as the National Productivity Corporation was established in 1962 as a joint project between the United Nations Special Fund and the Federal Government, with the International Labour Organisation acting as its executing agency.

In 1966, the National Productivity Council (Incorporation) Act No. 19 was passed making the Centre an autonomous body. It was later amended as the National Productivity Council (Incorporation) (Amendment) Act A305 1975, to cater for expansion of the Centre's role. This act was subsequently amended as the National Productivity Centre (Incorporation) (Amendment) Act A801 1991. With the Act coming into effect on 1 December 1991, the National Productivity Council became the National Productivity Corporation.

With effect from 21st February 2008 the National Productivity Corporation Act (incorporated) (Amended) was passed changing the name of NPC to Malaysia Productivity Corporation (MPC).

b) Aims and Objectives

Vision

The leading organisation in productivity enhancement for global competitiveness and innovation.

Mission

To deliver high impact services towards achieving performance excellence through innovation for the betterment of life.

Objectives

- To provide value-added information on productivity, quality, competitiveness and best practices through research activities and databases;
- To develop human capital and organisational excellence for building a knowledge-based society through training, systems development and best practices;
- To nurture innovative and creative culture through P&Q promotion and partnership programmes

c) Function and Principal activity

The functions of the Corporation are as follows:

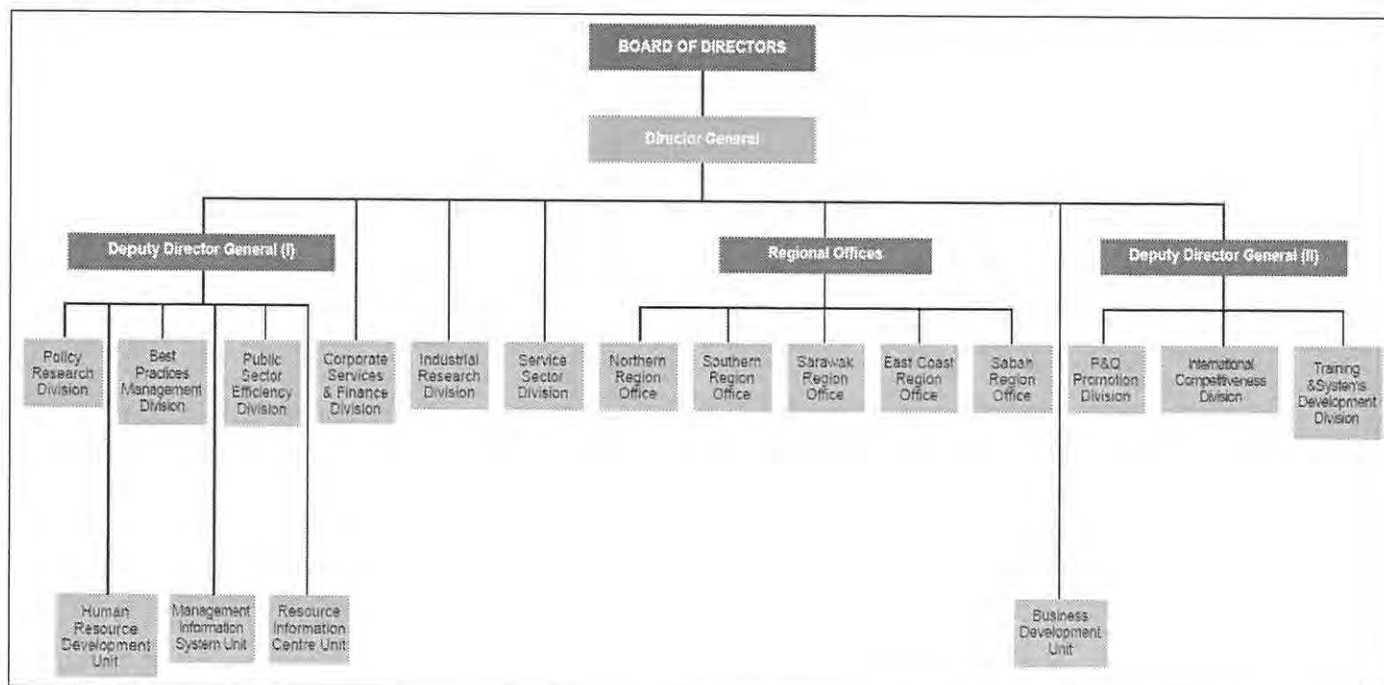
- To lead in the promotion and dissemination of productivity related information and issues;

- To establish an information and reference centre for productivity indices for the country and for management systems and case studies;
- To generate local expertise in the field of productivity, quality, management and entrepreneurship;
- To enhance the development of human resource both at the supervisory and management levels in the country;
- To advise on and coordinate the implementation of programmes and activities related to productivity and quality;
- To assess and certify supervisory and management training programmes, entrepreneurship programmes and productivity and quality management programmes conducted by the private sector for the public;
- To conduct training or other programmes relating to productivity, quality, management and entrepreneurship;
- To provide consultancy services relating to productivity, quality, management and entrepreneurship;
- To collect, produce and publish information on productivity, quality, management and entrepreneurship and other related matters;
- To carry on business undertakings for the purpose of the discharge of its functions under this Act with the approval of the Minister;
- To report annually to the Minister on the progress and problems of raising productivity in commerce and industry and to make recommendations on the manner in which such problems may be dealt with; and
- To do such matters and things as may be incidental to or consequential upon the discharge of its functions under the Act.

d) Description of organizational structure and facilities

MPC is currently in the process of formalising its new organisational structure

e) Organization Chart



Source: MITI Annual Report 2008.

f) Description of specialized fields with the contents of activity

Malaysia Productivity Corporation (MPC) began its operations with the genuine intention of providing quality training to Malaysians. Though there were many other ready players in the market when it first began, MPC felt that its contribution would indeed make a difference in the training industry because it stood for values that few others believed in.

MPC provides effective and systematic approach of systems development services in the following areas:

- Total Quality Management – also known as “Model Company” approach
- Quality Management Systems
- Quality Environment (5S) Practices
- Innovative and Creative Circle (ICC)
- Benchmarking
- Productivity Management
- Human Resource Management

The Malaysia Productivity Corporation (MPC) provides value-added information on productivity, quality, competitiveness and best practices through research activities and databases. The research findings can serve as inputs for policy planning and formulation for higher productivity and competitiveness. Among the focus areas for research are:

- Productivity and Quality Management
- Total Factor Productivity

Determinants of Productivity Growth

- National and State Level Competitiveness
- International, National and Sectoral Productivity Performance
- Productivity Performance of Key Economic Sectors, Manufacturing, Services, Agriculture, Construction
- Productivity of Small and Medium Industries
- Human Capital Management
- Performance Based Remuneration System
- Information and Communication Technology

Benchmarking and Best Practices

Benchmark - The Interactive e-Benchmark system has been developed to assist organisations in measuring and evaluating business operations, functions and process against the best-in-class performers.

BP Net - Best Practices Net is developed by MPC to provide avenues for discussion, teamwork, sharing and exchange of knowledge on best practices. This would assist organisations to cultivate continuous learning and knowledge-driven culture in businesses.

Best Practices Public Sector - Best Practices Net is developed by MPC to provide avenues for discussion, teamwork, sharing and exchange of knowledge on best practices. This would assist organisations to cultivate continuous learning and knowledge-driven culture in businesses.

HR Suite – This is a MPC window that addresses the Best Practices of Human Resource Management and Development as well as MPC's Productivity Thrust on Quality Workforce

1. Official Development Assistance

1a) History / experience of Technical Cooperation or Loan Assistance by the Government of Japan

a) Third Country Training Programme

Best Practices for Business Excellence for CLMV, 2004 – 2008
Promotion and Management of Small and Medium Enterprises (SMEs) for CLMV Countries, 2006
Consultancy Support to SME's, 2008

b) Staff sent for training in Japan

	Work Position/Title at the time of training	Course attended	Year
1.	Consultant, National Productivity Corporation	Seminar on Industrial Quality Control Standards	1996
2.	Consultant, National Productivity Corporation	Utilizing Standardized Quality System	1996
3.	Consultant, National Productivity Corporation	Overall Productivity Practical	1997
4.	Consultant, National Productivity Corporation	Standardization Activities Practiced TQM · II	1999
5.	Consultant, National Productivity Corporation	ASEAN Quality System Standards	1999
6.	Consultant, National Productivity Corporation	ASEAN Quality System Standards	2001
7.	Consultant, National Productivity Corporation	Renovation of Cleaner Production for Industrial Equipment	2004
8.	Consultant, National Productivity Corporation	Administrative Officer Training Personnel and Accounting Starting Salary	2006
9.	Consultant, National Productivity Corporation	Practical Management for Productivity	2006

Source: JICA Malaysia Office Data

c) Japanese experts assistance received by the institution (by number of dispatched)

	Assistance provided	Month/Year	Duration (days)
1.	Quality	Mar 1988	1095
2.	Total Quality Management in SMEs	Oct 2001	211

Source: JICA Malaysia Office Data

2. Technical Cooperation provided by the institution for other developing countries

2a) Year of first involvement Malaysian Technical Cooperation Programme:

1981

2b) Type of MTCP provided

Short-term specialized training – scheduled training
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**2c) List of cooperation activities conducted by the institution
(Training, Dispatch of Seminar Lecturer or Technical Expert)**

	Title	Type	Country/ Region	Year	Remarks (e.g. Number)
1.	Best Practices For Business Excellence For CLMV Countries	MTCP	Cambodia, Lao PDR, Myanmar, Vietnam	2007	Participants: 15
2.	Productivity Improvement Programme Through Work study	MTCP	Bhutan, Cambodia, Egypt, Iran, Lao PDR, Nigeria, Pakistan, Papua New Guinea, Seychelles, Timor Leste, Uganda, Vietnam, Zambia	2007	Participants: 13
3.	Promotion and Development For SMEs For CLMV Countries	MTCP	Cambodia, Lao PDR, Myanmar, Vietnam	2007-2008	Participants: 10 (average)
4.	System Development For Small Medium Enterprises	MTCP	Bhutan, Egypt, Lao PDR, Myanmar, Nepal, Nigeria, Pakistan, Palau, Seychelles, Uganda, Uzbekistan, Vietnam	2007	Participants: 12

6.1.3 Malaysian Industrial Development Authority (MIDA)

Institutional Information Sheet (Date as of: 22/11/2009)

Name of Institution: **Malaysian Industrial Development Authority (MIDA)**

Related Government Ministry/Department: **Ministry of International Trade and Industries (MITI)**

Contact details of Institution (address, tel, fax, email):

Malaysian Industrial Development Authority (MIDA)

12th Floor, Block 4, Plaza Sentral, Jalan Stesen Sentral 5, 50470 Kuala Lumpur.

Tel: 03-2267 3633 Fax: 03-2274 8507

E-mail: investmalaysia@mida.gov.my Website: www.mida.gov.my

Name and position of person in charge: **Datuk Jalilah Baba** (Director General)

Contact detail of person in charge: Email: jalilah@mida.gov.my

Outline and General Information of Organization

a) Brief History

In 1963, the World Bank recommended the establishment of an agency to provide "the necessary impetus for purposeful, positive and coordinated promotional action" for industrial development in Malaysia. The government passed the Federal Industrial Development Authority (FIDA) Act to set up an industrial promotion agency, and in 1965 FIDA was set up. FIDA became operational in 1967. In the mid-eighties, FIDA was subsequently renamed as the Malaysian Industrial Development Authority (MIDA).

b) Function and Principal activity

- to promote foreign and local investments in the manufacturing and services sectors;
- to facilitate cross border investments and assist Malaysian companies to identify markets and investment abroad;
- to undertake planning for industrial development in Malaysia
- to recommend policies and strategies on industrial promotion and development to the Minister of International Trade and Industry;
- to evaluate applications for manufacturing licenses and expatriate posts; tax incentives for manufacturing activities, tourism, R&D, training institutions and software development; and duty exemption on raw materials, components and machinery;
- to assist companies in the implementation and operation of their projects, and offer assistance through direct consultation and co-operation with the relevant authorities at both the federal and state levels;
- to facilitate the exchange of information and co-ordination among institutions engaged in or connected with industrial development;
- to further enhance MIDA's role of assisting investors, senior representatives from key agencies are stationed at MIDA's headquarters in Kuala Lumpur to advise investors on government policies and procedures. These representatives include officials from the Ministry of Finance, Ministry of Human Resources, Immigration Department, Royal Customs Malaysia, Department of Environment, Department of Occupational Safety and Health, Tenaga Nasional Berhad and Telekom Malaysia Berhad.

Source: www.mida.gov.my

c) Description of organization, organization structure and facilities

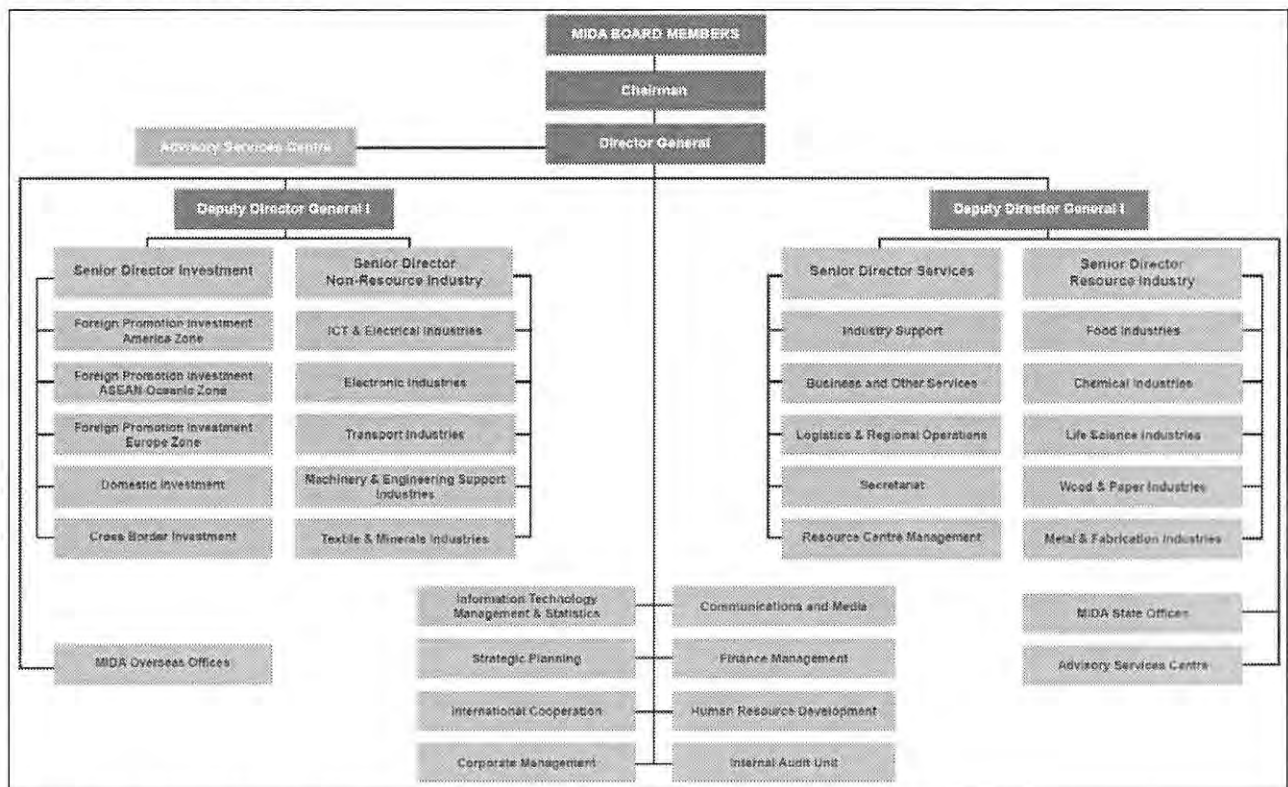
The Malaysian Industrial Development Authority (MIDA) is the government's principal agency for the promotion of the manufacturing and services sectors in Malaysia. MIDA assists companies which intend to invest in the manufacturing and its related services sectors, as well as facilitates the implementation of their projects. The wide range of services provided by MIDA includes providing information on the opportunities for investments, as well as facilitating companies which are looking for joint venture partners. MIDA also assists companies interested in venturing abroad for business opportunities.

To further enhance MIDA's role in assisting investors, senior representatives from key government agencies are stationed at MIDA's headquarters in Kuala Lumpur to advise investors on government policies and procedures. These representatives include officials from the Treasury, Department of Labour, Immigration Department, Royal Malaysian Customs, Department of Environment, Department of Occupational Safety and Health, Tenaga Nasional Berhad and Telekom Malaysia Berhad.

MIDA also evaluates the following applications for projects in the manufacturing and its related services sectors:

- Manufacturing licenses
- Tax incentives
- Expatriate posts
- Duty exemptions on raw materials, components, machinery and equipment

d) Organisation Chart



Source: MITI Annual Report 2008

1. Official Development Assistance

1a) History / experience of Technical Cooperation or Loan Assistance by the Government of Japan

a) Development Studies

Study on Selected Industrial Product Development, Jan 1988 – Nov 1990

b) Staff sent for training in Japan

	Name	Course attended	Year
1.	Economic Affairs Officer, MIDA	Investment Promotion Seminar (1) (Asian Countries)	1996
2.	Senior Assistant Director, MIDA, Chemical Industries Division	Small And Medium Industry Development Seminar-II	1998
3.	Director, MIDA Johor	High-Tech Industry	1998
4.	Economic Affairs Officer, MIDA	High-Tech Industry	1998
5.	Assistant Director, MIDA	Evaluation Seminar Pertaining To The Industrial Technology Research And Development Project	2000
6.	Senior Economic Affairs Officer (Director), MIDA	Business Support Measures	2000
7.	Economic Affairs Officer, MIDA	Corporate Management Asia	2001
8.	Economic Affairs Officer, MIDA	Administrative Officer Training Personnel And Accounting Starting Salary	2007
9.	Deputy Director, MIDA	Practical Approach For APEC, Regional And International Trade	2008
10.	Assistant Director, MIDA	Polymer Materials Science and Engineering	1997
11.	Senior Assistant Director, MIDA	Industrial Project Evaluation and Economic Development Seminar	1998

Source: JICA Malaysia Office Data

c) Japanese experts assistance received by the institution (by number of dispatched)

	Assistance provided	Month/Year	Duration
12.	High-tech Industry	Mar 1997	1096
13.	High-tech Industry	Mar 2000	365

Source: JICA Malaysia Office Data

2. Technical Cooperation provided by the institution for other developing countries

2a) Year of first involvement Malaysian Technical Cooperation Programme:

2008

2b) Type of MTCP provided (please tick)

Short-term specialized training – scheduled training

Advisory Services

**2c) List of cooperation activities conducted by the institution
(Training, Dispatch of Seminar Lecturer or Technical Expert)**

	Title	Type	Country/ Region	Period	Year	Remarks (e.g. Number)
1.	Familiarisation Programme for Officials of Investment Promotion Agencies	MTCP Training	SS countries	2 weeks	2008	23 participants
2.	Familiarisation Programme for Officials of Investment Promotion Agencies of OIC Countries	MTCP/ OIC Training	OIC countries	2 weeks	2008	30 participants
3.	Familiarisation Programme for Officials of Investment Promotion Agencies	MTCP Training	SS countries	2 weeks	2009	25 participants

6.1.4 SME Corporation Malaysia (SME Corp)

Institutional Information Sheet (Date as of: 27/10/2009)

Name of Institution: **SME Corporation Malaysia (SME Corp)**, formerly known as Small and Medium Industries Development Corporation (SMIDEC)

Related Government Ministry/Department: **Ministry of International Trade and Industry**

Contact details of Institution (address, tel, fax, email):

SME Corporation Malaysia (SME Corp)

Aras 20, West Wing, Menara MATRADE, Jalan Khidmat Usaha, Off Jalan Duta, 50480 Kuala Lumpur

General Line : 03 6207 6000 Fax Line : 03 6201 6564

Info Line : 1-300-88-1801 Website: <http://www.smecorp.gov.my>

Name and position of respondent: **Rohana Ramly**, Chief Operating Officer
Kamsuzilawati Binti Kamin, Senior Manager, Corporate Management Division

Contact details of respondent: Tel: 03 6207 6056; Fax: 603 6203 7415

Email: rohana@smecorp.gov.my ; kamsuzilawati@smecorp.gov.my

Outline and General Information of Organization

a) Brief History

On 2 May 1996 a specialised agency was established to spur the development of small and medium enterprises (SMEs) by providing infrastructure facilities financial assistance advisory services market access and other support programmes. Known as the Small and Medium Industries Development Corporation (SMIDEC) its aim was to develop capable and resilient Malaysian SMEs to be competitive in the global market.

The establishment of the National SME Development Council (NSDC) in 2004 presented yet another chapter in SME development in Malaysia. As the highest policy-making body its role was to formulate strategies for SME development across all economic sectors coordinate the tasks of related Ministries and Agencies encourage partnership with the private sector as well as ensure effective implementation of the overall SME development programmes in this country. NSDC, with support from Bank Negara as its secretariat, introduced initiatives included enhanced access to financing financial restructuring and advisory services information training and marketing coordination and a comprehensive SME database to monitor the progress of SMEs across all economic sectors.

In 2007 the NSDC decided to appoint a single SME Central Coordinating Agency to formulate overall policies and strategies for SMEs and to coordinate programmes across all related Ministries and Agencies.

The amendment to the SMIDEC Act, passed on 9 July 2009, provides for the incorporation of SME Corporation Malaysia and its function as well as the formalisation of the NSDC.

SME Corp. Malaysia began operations on 2 October 2009 and is now the focal point for information and advisory services for all SMEs in Malaysia.

b) Aims and Objectives

Vision

- Focal point for the development of progressive SMEs to enhance wealth creation and social well-being of the nation

Mission

- Coordinate and facilitate the growth and development of dynamic, innovative and resilient SMEs through the provision of effective business services

c) Function and Principal activity

1. Coordination of policies and programmes
 - Formulate broad SME policies across all sectors
 - Coordinate, monitor and evaluate effective implementation of policies and programmes across relevant Ministries and Agencies
2. Centre on advisory and information
 - Provide business advisory through the "SME Business Centre"
 - Disseminate information on Government funds and incentives on SMEs
 - Channel for feedback on SME issues
 - Liaison for domestic and international communities on SME matters
3. Management of Data, dissemination of information and Research on SMEs
 - Manage National SME Database
 - Undertake research on SMEs
 - Publish SME-related reports and statistics
 - Undertake outreach programmes
4. Business support
 - Nurture and develop competitive SMEs through specific capacity building programmes and financial assistance
 - Enhance competitiveness of SMEs using the SME Competitiveness Rating for Enhancement (SCORE) diagnostic tool
 - Provide infrastructure support for SMEs
 - Facilitate linkages with large companies and MNCs
5. Secretariat to the National SME Development Council (NSDC)
 - Propose policies and ensure decisions of NSDC are effectively implemented
 - Provide administrative support for NSDC

d) Description of organizational structure and facilities

- Corporate Divisions**
1. Corporate Management
 - Provide services for internal clients and enhance human resource management, finance, administration, logistics and adherence to organisation standards and quality
 - Plan and execute organisational and human resource development policies
 - Plan, monitor and ensure expenditures and income are managed effectively
 - Ensure the organisation's legal infrastructure is effective, current and relevant
 - Provide Secretariat services to the Corporation
 2. Programme Coordination
 - Monitor and coordinate programmes implemented by Ministries and Agencies related to SME development
 - Evaluate the performance and effectiveness of SME programmes implemented by related Ministries and Agencies
 - Act as information resource centre for SME development programmes implemented by various Ministries and Agencies
 - Implement development programmes specifically for micro-enterprises and women

entrepreneurs

- Participate, coordinate and implement SME-related projects organised by regional and international agencies

3. Economics and Policy Planning

- Provide thought leadership in economic assessment on SMEs in Malaysia via:
 - analysis and projections on SMEs based on developments in the global and Malaysian economy
 - strategic studies related to SME development Formulate broad strategies and policies on SME development
- Recommend policies to address current and emerging issues affecting SMEs
- Collate, analyse and manage SME statistics, including the National SME Database
- Prepare SME reports and publications

4. Corporate Communication

- Act as frontliners in providing business consultation and information to SMEs
- Promote programmes and organise events related to SME development
- Coordinate and manage publications related to SMEs
- Manage and coordinate the Resource Centre
- Provide information and manage image of the Corporation through the media

5. Business Development

- Implement development programmes for SMEs, potential entrepreneurs and technopreneurs
- Collate information, monitor issues, provide sector profiles and disseminate relevant and comprehensive information to SMEs and potential entrepreneurs
- Provide technical consultation services and business counselling to SMEs and entrepreneurs in terms of business planning, project evaluation and marketing strategies
- Develop potential technopreneurs, and provide advisory technical support for business innovation

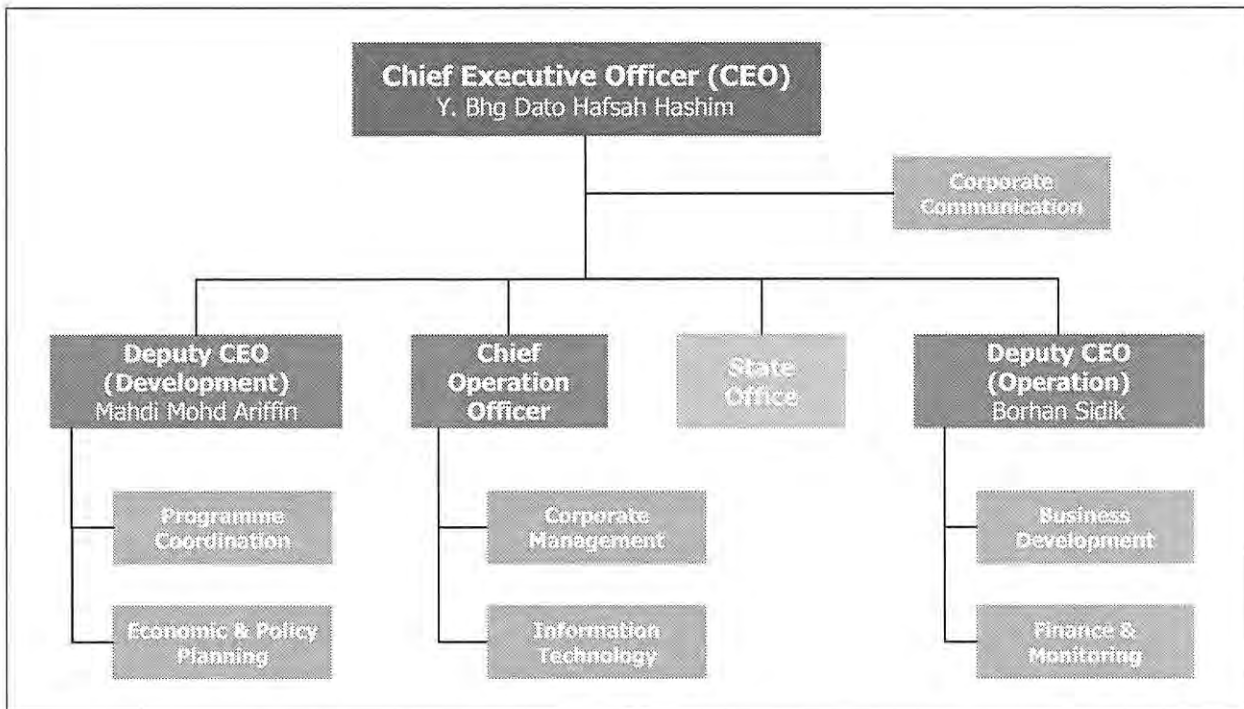
6. Financing and Monitoring

- Evaluate grant applications and administer financial assistance claims
- Monitor project implementation and performance of grant recipient companies
- Formulate and evaluate financial assistance guidelines
- Assist in handling issues related to SME financing needs through cooperation with other Ministries and Agencies as well as other financial institutions

7. Information Technology

- Plan and manage ICT infrastructure to support internal business processes
- Enact, coordinate and implement ICT Strategic Plan (ISP)
- Develop and maintain network operations, Data Centre and Disaster Recovery Centre (DRC) and enforce the organisation's ICT security
- Provide technical support services to internal customers and plan the organisation's needs for ICT training development
- Manage and administer the organisation's ICT assets

e) Organization Chart



Source: <http://www.smidec.gov.my/node/160>, edited by PE Research

f) Description of specialized fields with the contents of activity

- One Referral Centre - Companies or Individuals can now receive free advisory services on how to set up business or company at the One Stop Centre in SMECORP. The One Stop Centre operates on Mondays and Wednesdays from 9.00 am to 5.00 pm starting 11 August 2008. Among the agencies present are Companies Commission of Malaysia, Inland Revenue Board of Malaysia, Social Security Organization Malaysia, Employees Provident Fund and Royal Malaysian Customs. On Tuesdays and Thursdays, the Centre will have the presence of the banks i.e. Malaysia Industrial Development Finance Bhd, SME Bank, Bank Simpanan Nasional and Credit Guarantee Corporation.
- Business Advisory Service Session (BAS) - SME CORP Business Advisory Service Session is a personalised advisory service for SMEs on financial assistance schemes and SME development programmes. It is conducted daily through a walk-in enquiry at SMECORP's SME Business Centre, 19th Floor, West Wing, Menara MATRADE.
Eight (8) agencies are at SME Business Centre from Monday to Friday to provide joint business advisory services to SMEs. The agencies involved are Inland Revenue Board of Malaysia, Credit Guarantee Corporation Malaysia Berhad, Bank Simpanan Nasional, Companies Commission of Malaysia, Social Security Organization Malaysia, Employees Provident Fund, SME Bank and Malaysian Industrial Development Finance Berhad.

1. Official Development Assistance

1a) History / experience of Technical Cooperation or Loan Assistance by the Government of Japan

a) Technical Cooperation Project

Development of Human Resource for Small and Medium Industries

Period: Phase I - May 2006 – Mar 2009

The goal is that a 'considerable number of SMEs become productivity-driven, technologically capable and globally competitive by receiving SME Corp (then SMIDEC)'s services. The aim was to build capacity of SME Corp officers to effectively support SMEs in management and marketing skills as well as financial support services, analyse SMEs' problems and needs and provide preliminary (not highly technical) advices.

Input

- Japan side: 6 short-term Japanese experts (total 28 man-months) at cost of Y157.8 million
- Malaysian side: 68 SME counsellors with 10 trainers trained in Japan. Equipment at Cost: RM 133,853
- (Source: Terminal Evaluation Study on Project on Human Resources for Small and Medium Corporations, November 2008).

Period: Phase II – May 2009 – April 2010 (12 months)

Upon the completion of the first phase it agreed that advanced/ specialist training is necessary for the SME business counsellors. The planned inputs are

- Japan side: 5 experts (during the training period), Attachment / training in Japan (10 persons from the pool of 25.)
- Malaysian side: Participants comprising SME Corp's officers, Office space and related administrative costs, training venue in Malaysia

b) Staff sent for training in Japan

	Name	Division	Course attended	Year
1.	Ms Hazlin Ghazali	Financing and Monitoring	Trainers for Counsellor Training	2007
2.	Mohd Faiz Mohamed Yunus	Enterprise Development & Entrepreneurship	Trainers for Counsellor Training	2007
3.	Nik Muhd Kamil Nik Ismail	Management Services	Trainers for Counsellor Training	2007
4.	Norliza Md Mokhtar	Corporate Communications	Trainers for Counsellor Training	2007
5.	Roshaidi Rosli	Financing and Monitoring	Trainers for Counsellor Training	2007
6.	Mohd Farid Awang*	Enterprise Development & Entrepreneurship	Trainers for Counsellor Training	2009
7.	Abd Rahim Ishak*	Management Services	Trainers for Counsellor Training	2009
8.	Rafiza Bt Abdul Rajab*	Information Management & Statistic	Trainers for Counsellor Training	2009
9.	Maslinda Binti Zulkifly*	Enterprise Development & Entrepreneurship	Trainers for Counsellor Training	2009
10.	Norhafizah Binti Kamarudin*	Corporate Communications	Trainers for Counsellor Training	2009

Source: Terminal Evaluation Study on Project on Human Resources for Small and Medium Corporations, November 2008

c) Japanese experts assistance received by the institution

Expert Assigned	Assistance provided	Month/Year	Duration (days)
1.	Human Resource Development	<u>First Fiscal Year</u> : May 2006 - February 2007 (Dispatch: 5 times)	105
	Human Resource Development	<u>Second Fiscal Year</u> : June 2007 - February 2008 (Dispatch: 6 times)	126
	Human Resource Development	<u>Third Fiscal Year</u> : June 2008 - January 2009 (Dispatch: 6 times)	126
2.	Programme Planning	<u>First Fiscal Year</u> : May 2006 - October 2006 (Dispatch: 3 times)	49
	Corporate Diagnosis	<u>Second Fiscal Year</u> : June 2007 - August 2008 (Dispatch: 4 times)	46
	Corporate Diagnosis	<u>Third Fiscal Year</u> : June 2008 - January 2009 (Dispatch: 4 times)	46
3.	Corporate Diagnosis	<u>First Fiscal Year</u> : May 2006 - February 2007 (Dispatch: 3 times)	44
	Corporate Diagnosis	<u>Second Fiscal Year</u> : August 2007 - February 2008 (Dispatch: 2 times)	33
	Corporate Diagnosis	<u>Third Fiscal Year</u> : August 2008 - January 2009 (Dispatch: 2 times)	36
	Marketing	<u>Second Fiscal Year</u> : July 2007 - November 2007 (Dispatch: 2 times)	18
	Marketing	<u>Third Fiscal Year</u> : July 2008 - November 2008 (Dispatch: 2 times)	18
4.	Financial Management	<u>First Fiscal Year</u> : May 2006 - November 2006 (Dispatch: 3 times)	37
	Financial Management	<u>Second Fiscal Year</u> : June 2007 - November 2007 (Dispatch: 2 times)	19
	Financial Management	<u>Third Fiscal Year</u> : June 2008 - October 2008 (Dispatch: 2 times)	18
5.	Production Management	<u>First Fiscal Year</u> : May 2006 - February 2007 (Dispatch: 4 times)	53
	Production Management	<u>Second Fiscal Year</u> : July 2007 - January 2008 (Dispatch: 2 times)	18
	Production Management	<u>Third Fiscal Year</u> : July 2008 - December 2008 (Dispatch: 2 times)	18
6.	Marketing	<u>First Fiscal Year</u> : May 2006 - January 2007 (Dispatch: 3 times)	37

Source: Terminal Evaluation Study on Project on Human Resources for Small and Medium Corporations, November 2008

1b) Experience of other International / Technical Cooperation by other countries

Since 1998 SME Corp has undertaken an Annual Training Programme for SME Managers in collaboration with Small Business Corporation of Republic of Korea. As at 2008 a total of 179 SME Managers have participated.

SME Corp is involved in SME programmes under APEC and the Economic Cooperation Programmes under the ASEAN-Korean Free Trade Agreement.

Source: SMIDEC Annual Report 2008

2. Technical Cooperation provided by the institution for other developing countries**2a) Year of first involvement Malaysian Technical Cooperation Programme:**

2006

2b) Type of MTCP provided

Short-term scheduled training

**2c) List of cooperation activities conducted by the institution
(Training, Dispatch of Seminar Lecturer or Technical Expert)**

	Title	Type	Country/ Region	Period	Year	Remarks (e.g. Number)
1.	Training Programme for Officials from Agencies Responsible for SME Development in OIC Member Countries	MTCP	OIC Member Countries	9 days	2008	26 pax
					2007	25 pax
2.	Training Programme for Women Entrepreneurs among OIC Member Countries	MTCP	OIC Member Countries	12 days	2008	29 pax
					2007	30 pax
					2006	22 Pax

Source: SMIDEC Annual Report, 2007, 2008 & EPU Data

2d) List of Training Courses under execution / planned by the institution for the future

Title	Type	Country/ Region	Period	Year
Training Programme for Officials from Agencies Responsible for SME Development and Business Associations in OIC/D8 Member Countries	MTCP	OIC Member Countries	12 days	9 – 20 Nov 2009



6.2 Ministry of Science, Technology and Innovation

Please refer to chapter 4.6

Malaysian Meteorological Department (MMD)

The MMD was set up to provide meteorological and seismological services. During its early years it was placed under the Ministry of Transport. However since 1984 it has been under MOSTE.

SIRIM Bhd (SIRIM)

Formerly a statutory body under MOSTE, SIRIM has evolved from a standards and industrial research institute to be a wholly-owned subsidiary of the Ministry of Finance Incorporated providing engineering and support services, standards and quality, research and technology to meet the needs of industry.

JICA has been supporting SIRIM since the early years through development studies and Technical Cooperation. SIRIM is currently involved in JICA's TCTP providing training in Innovation and Incubation.

6.2.1 Malaysian Meteorological Department (MMD)

Institutional Information Sheet (Date as of: 10/11/2009)

Name of Institution: **Malaysian Meteorological Department formerly Malaysian Meteorological Service (MMD)**

Related Government Ministry/Department: **Ministry of Science, Technology and the Innovation (MOSTI)**

Contact details of Institution (address, tel, fax, email):

Malaysian Meteorological Department

Headquarter of Malaysian Meteorological Department, Jalan Sultan, 46667 Petaling Jaya
Tel: 03-7967 8000 Fax: 03-7955 0964

Name and position of person in charge: Dr. Yap Kok Seng (Director General)

Contact details of person in charge: Tel: 03-7967 8001
Email: yks@met.gov.my

Outline and General Information of Organization

a) Brief History

History

1820	Meteorological observations started in Singapore.
1883	Observations of air pressure, temperature and rainfall by the Department of Health began in Penang and Malacca.
1906 - 1926	Meteorological Stations were established in the Federal Malay States hospitals to take routine observations.
1921	Weather observations were carried out at Gunung Tahan (Pahang) for two years for studying the possibility of building a sanatorium.
1924	The Museum Department took over the observation function.
1927	Meteorological Branch in Peninsular Malaya was transferred to and created as a unit in the Survey Department.
1930	The development of the Meteorological Branch of the Survey Department into a fully organized modern meteorological service unit.
1931	The Pan Malayan Meteorological Headquarters was established in Singapore.
1938	The post of Director, Malayan Meteorological Service was created.
1.9.1946	Malayan Meteorological Service was established with its head office in Singapore.
1958	Department of Meteorological Office was established in Simpang (Kuala Lumpur) Airport.
1958	Malaysia deposited its instrument of accession to the WMO convention on 19 May 1958 and acceded to the convention.
9.8.1963	Head office moved to Kuala Lumpur.
9.8.1965	Malaysian Meteorological Service was established and placed under the Ministry of Transport with the separation of meteorological services in Malaysia and Singapore.
1967	Research and Training Division was set up.
1.4.1968	Malaysian Meteorological Service's headquarters building at Petaling Jaya was

	completed.
1968	Satellite Meteorology Division and Electronic Data Processing Division were established.
1.7.1969	Took over the Sabah and Sarawak Meteorological Service from the Department of Civil Aviation.
1970	Hydrometeorology Unit was established.
1973	Agrometeorology Division was established.
1975	Establishment of Meteorological Instrument Unit, Environmental Studies Division, Marine Meteorology Division and Seismology Division.
1984	Malaysian Meteorological Service was transferred to the Ministry of Science, Technology and the Environment

Source: <http://www.met.gov.my>

b) Aims and Objectives

Vision

To be a world-class meteorological center providing excellent services nationally and internationally.

Mission

We are committed to providing effective meteorological and seismological services for improved protection of life, property and the environment, increased safety on land, at sea and in the air, enhanced quality of life and sustainable economic growth.

Objectives

- To provide meteorological and seismological services for:
 - safe and efficient operation in air, on land and at sea
 - the military
 - homeland security (such as natural disaster management, threats from climate change, extreme weather, earthquake and tsunami)
 - public safety and comfort
 - social economic development planning and environmental management
- To observe and archive meteorological and seismological data to meet the needs of present and future generations.
- To fulfill international obligations and to promote the understanding and advancement of meteorological, seismological and tsunami sciences

Source: <http://www.met.gov.my>

c) Function and Principal activity

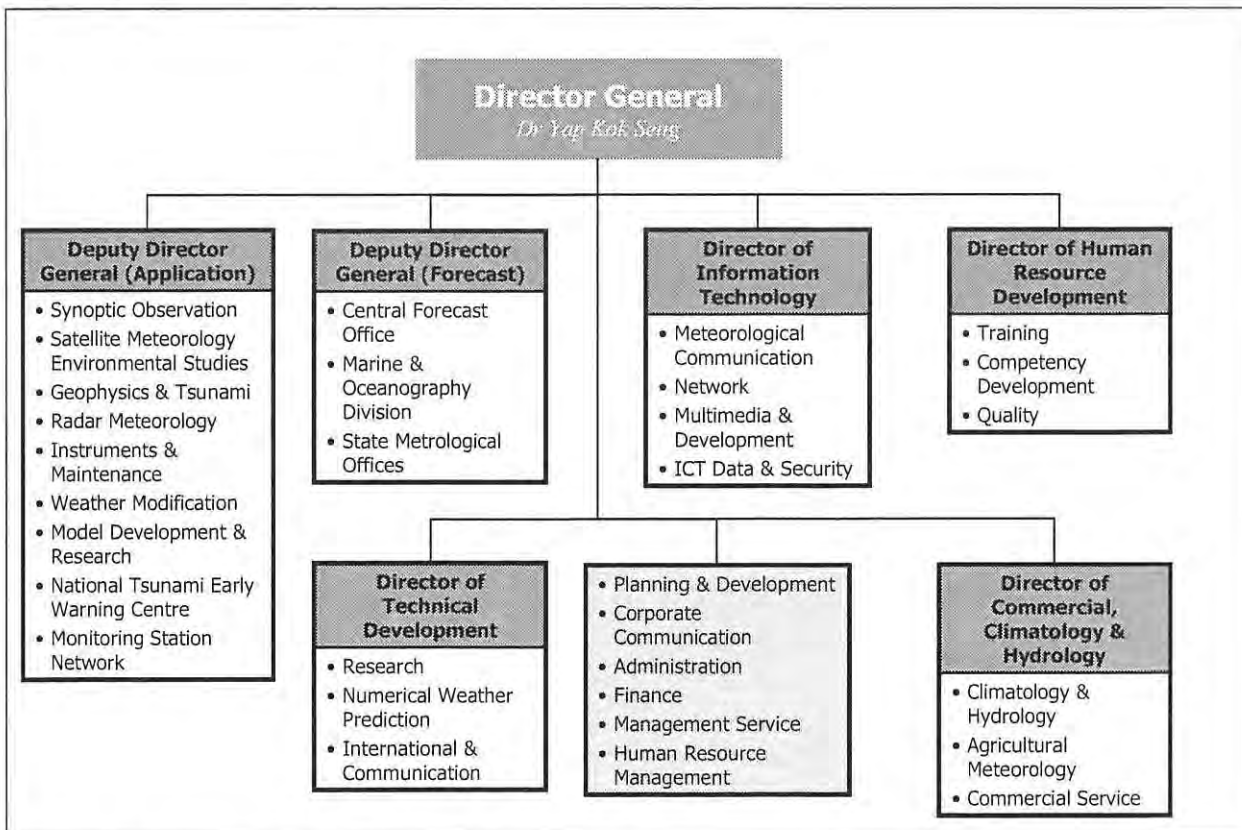
Function

- Maintain a technically-advanced observation station network to support monitoring of weather conditions and seismic activities in the country.
- Issue timely meteorological information and forecasts for civil and military aviation, marine activities and general public.
- Provide early warnings on the occurrences of adverse weather phenomena and dangerous sea conditions in the Malaysian region to the public and relevant agencies involved in disaster mitigation.
- Provide immediate information on earthquake events that affect the country to the public, media and relevant government agencies involved in disaster mitigation.
- Provide seismological information to civil engineering and construction industries.

- Compile quality climatologically, atmospheric composition and seismological data and prepare climatologically statistics.
- Provide climatologically services to users in all sectors of the economy upon request.
- Monitor atmospheric composition in Malaysia and provide information and technical advice on the meteorological aspects of air pollution.
- Conduct cloud seeding operations to increase water resources for agriculture and other purposes.
- Participation in international programmes on research, data collection and exchange, and other related activities in meteorology.
- Publish meteorological reports and bulletins.
- Provide training in meteorology.
- Promote public awareness on the importance and usefulness of meteorological and seismological information.
- Promote advancement of meteorological and seismological sciences through research.

Source: <http://www.met.gov.my>

d) Organization Chart



Source: <http://www.met.gov.my>, edited by PE Research

e) Description of specialized fields with the contents of activity

<p>Weather Forecast</p> <ul style="list-style-type: none"> • General Weather Forecast • Weather Forecast for Major Towns / Tourist Destinations <p>Seasonal and Long-Range Weather Outlook</p> <ul style="list-style-type: none"> • Current El-Nino Condition 	<p>Earthquake & Tsunami</p> <ul style="list-style-type: none"> • Earthquake Information / Tsunami Warning • Map of Latest Earthquake • List of Recent Earthquakes <p>Weather Modification</p> <ul style="list-style-type: none"> • Cloud Seeding Operations
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<ul style="list-style-type: none"> • Long-Range Weather Outlook <p>Weather Warning</p> <ul style="list-style-type: none"> • Strong Winds and Rough Seas Warning • Severe Weather Warning • Tropical Cyclone and Storm Warnings <p>Marine Meteorological Forecast</p> <ul style="list-style-type: none"> • Forecast for Fishermen • Seven-day Weather, Wind, Wave • Seven-day Tide Forecast • Wave Model (WAM) Products <p>Aviation Meteorology</p> <ul style="list-style-type: none"> • Weather Forecast Kiosk • Aviation Briefing Terminal <p>Meteorological Observations</p> <ul style="list-style-type: none"> • Satellite Picture • Radar Image • Surface Observation 	<p>Environmental Studies</p> <ul style="list-style-type: none"> • Solar UV Index • Particulate Matter (PM-10) • Multigas • Oxidant and Particle Photochemical Processes (OP3) Project <p>Climate</p> <ul style="list-style-type: none"> • Malaysian Fire Danger Rating System • Southeast Asia Fire Danger Rating System • Monthly Rainfall Review <p>Agromet</p> <ul style="list-style-type: none"> • 10-day Agromet Bulletin • Rainfall • Evaporation • Solar Radiation • Temperature • Soil Moisture Distribution • Mean Evapotranspiration
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1. Official Development Assistance

1a) History / experience of Technical Cooperation or Loan Assistance by the Government of Japan

a) Third Country Training Programme

Training Seminar on Regional Rain Acidification Studies (IATEP) 1992
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b) Staff sent for training in Japan

	Work Position/ Title at the time of training	Course attended	Year
1.	Meteorologist, Malaysian Meteorological Service	Global Warming Course	1997
2.	Meteorological Officer, Malaysian Meteorological Service	Global Warming Course	1998
3.	Meteorological Officer, Malaysian Meteorological Service	Ozone Layer Protection	1998
4.	Meteorological Officer, Environmental Studies Division	Acid Rain Monitoring And Mitigation	1999
5.	Meteorological Officer, Malaysian Meteorological Service, Environment Studies Division	Air Pollution	1999
6.	Meteorological Officer, Malaysian Metrological Service	Training of Acid Deposition Monitoring Network in East Asia	2001
7.	Meteorological Officer, Multimedia and Development Division, Department of Malaysian Meteorological Service	Computer (network engineer (B))	2004
8.	Deputy Director General, Malaysian Meteorological Service	Indian Ocean Tsunami Early Warning System for JICA Regional Training	2004
9.	Meteorological Officer, Meteorological Services Department	Malaysia East Policy "Corporate Internal Training"	2005
10.	Senior Officer, Malaysian Meteorological Service	Seminar of Indian Ocean Tsunami Early Warning Ring System	2005
11.	Meteorological Officer, Malaysian Meteorological Department	Training of Administrative Personnel and Starting salary Accounting	2006
12.	Meteorological Officer, Malaysian Meteorological Department	Malaysia Executive Seminars	2005
13.	Assistant Information System, Malaysian Meteorological Department	Computer (Promotion of E-Government Project Manager)	2006
14.	Meteorological Officer, Malaysian Meteorological Department	Disaster Prevention and Maintenance Information for Marine Use	2006
15.	Meteorological Officer, Malaysian Meteorological Department	Management of Volcanic Earthquake and Tsunami Observation System	2006
16.	Meteorological Officer, Malaysia Meteorological Department	Meteorology	2006
17.	Meteorological Officer, KLIA Meteorological Office	Tsunami Disaster	2006

	Work Position/ Title at the time of training	Course attended	Year
18.	Meteorological Officer, Malaysia Meteorological Department, Bayan Lepas	Tsunami Disaster	2006
19.	Meteorological Officer, Malaysian Meteorological Department	Global Seismic III	2006
20.	Informational Technology Officer, Malaysian Meteorological Department	Computer (Web Specialist for the Promotion of E-government Applications (Open Source) (A))	2007
21.	Meteorological Officer, Malaysian Meteorological Department, Kuching	Theory and Practice Through the Use of Multimedia Educational Activities	2007
22.	Deputy Director, Communication Division, Malaysian Meteorological Department	Computer (e-government project manager for the promotion of (A))	2007
23.	Assistant Director, Malaysian Meteorological Department	Malaysia Youth Training / Economy (Financial Investment)	2007
24.	Meteorological Officer, Malaysian Meteorological Department	Asia Tsunami Disaster	2007
25.	Meteorological Officer, Malaysian Meteorological Department, Bayan Lepas	Asia Tsunami Disaster	2008
26.	Information Technology Officer, ICT Division, Malaysian Meteorological Department	IP Networking Monitoring Technology (A)	2009
27.	Principal Assistant Director, Geophysics & Tsunami Division, Malaysian Meteorological Department	Asia Consolidation and Dissemination of Disaster Prevention	2009
28.	Assistant Director, Regional Forecast Office, Sabah, Malaysian Meteorological Department	Earthquake Disaster Prevention Policy	2009
29.	Assistant Director, Geophysics and Tsunami Department, Malaysian Meteorological Department	Earthquake Disaster Prevention Policy	2009
30.	Assistant Director, Geophysics and Tsunami Division, Malaysian Meteorological Department	Tsunami Disaster	2009

Source: JICA Malaysia Office Data

c) Japanese experts assistance received by the institution (by number of dispatched)

	Assistance provided	Month/Year	Duration (Days)
1.	Tsunami System model	Dec 2006	12
2.	Tsunami early warning technology	Dec 2006	12
3.	Disaster Community	Dec 2006	19

Source: JICA Malaysia Office Data

2. Technical Cooperation provided by the institution for other developing countries

2a) Year of first involvement Malaysian Technical Cooperation Programme:

Not applicable

**2b) List of cooperation activities conducted by the institution
(Training, Dispatch of Seminar Lecturer or Technical Expert)**

	Title	Type	Country/ Region	Period	Year	Remarks (e.g. Number)
1.	Engineering Seismology	Training Workshop	Malaysia	17 – 18 Aug	2009	32 participants
2.	Climate Applications in ASEAN	Training Workshop	Malaysia, ASEAN countries & ASEAN secretariat	5 – 9 Oct	2009	38 participants
3.	ASEAN Regional Workshop on Providing Regional Climates for Impacts Studies (PRECIS)	Workshop	Malaysia & ASEAN countries	12 – 15 Oct	2009	40 participants
4.	International Training Workshop on Tsunami Inundation Modelling	Training Workshop		19-23 Oct	2009	

Source: <http://www.met.gov.my>

6.2.2 SIRIM Bhd (SIRIM)

Institutional Information Sheet (Date as of: 23/11/2009)

Name of Institution: **SIRIM Berhad**

Related Government Ministry/Department: **Ministry of Science Technology and Innovation (MOSTI).**

Contact details of Institution (address, tel, fax, email):

SIRIM Berhad

No. 1, Persiaran Dato' Menteri, Seksyen 2, Peti Surat 7035, 40911 Shah Alam Selangor Darul Ehsan
 General Line: 03 5544 6000 Fax : 03 5510 8095

Customer Service Centre

Tel: 603-55446693,55446762,55446524 Fax: 603 55446694

E-mail: web@sirim.my

Website: <http://www.sirim.my>

Outline and General Information of Organization

a) Brief History

SIRIM Berhad

In 1964, the Government of Malaysia directed the Minister of Commerce and Industry to make a study for the establishment of a national standards organisation in response to the urgent need to adopt international standards to support Malaysia's accelerating industrial development.

As a result, the Standards Institution of Malaysia (SIM) was established as a Government department under the Ministry of Commerce and Industry in early 1966 followed by the passing of the Standards Act No: 76, in October 1966 making SIM the national standards body. SIM was governed by the Standards Council. The Standards Act provides the Standards Council with independent authority for the declaration of standards and the issuance of certification mark licences.

In 1974, SIM merged with the National Institute for Scientific and Industrial Research (NISIR) to form the Standards and Industrial Research Institute of Malaysia (SIRIM). It was established as a statutory body under the Ministry of Science, Technology and the Environment by the SIRIM (Incorporation) Act, 1975 which came into effect on 15 September 1975.

With this merger, SIRIM is better equipped to expand its scope of operations in line with the rapid advancement of industrialisation in Malaysia. In July 1993 the Act was amended to allow SIRIM to undertake commercial operations through the formation of joint-venture or wholly-owned subsidiaries. This further strengthens the linkages between SIRIM and the industry.

On 1 September 1996, SIRIM Berhad was incorporated under the Companies Act and vested with all the rights, privileges and obligations of SIRIM. It is a wholly owned subsidiary of the Ministry of Finance Incorporated.

SIRIM has 3 subsidiaries:

- SIRIM QAS International Sdn Bhd (<http://www.sirim-qas.com.my/>)
- SIRIM Training Services Sdn Bhd (<http://www.sirim.my/sts/>)
- SIME – SIRIM Technologies Sdn Bhd

b) Aims and Objectives

Vision

To be among the world's best in quality and technology

Mission

To make businesses compete better through quality and technology innovations.

Roles and Objectives

SIRIM identifies itself as a champion of quality, a national research technology development corporation, a vehicle for technology transfer and a provider of institutional and technical infrastructure for the government.

Its objectives are to innovate and develop processes, products and technologies for industry, promote standardisation and quality and provide technical services for industry and the public.

c) Functions and principal activities

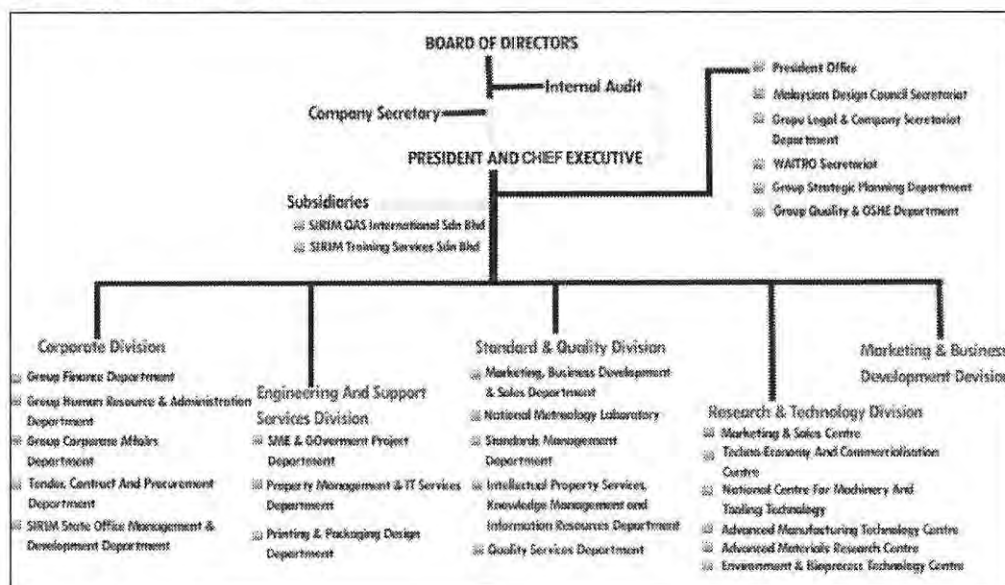
SIRIM's functions are:

- Plan, develop, operate and manage national strategic facilities and programmes.
- Develop, operate and manage strategic research programmes.
- Operate testing laboratories and quality assurance schemes.
- Undertake development programmes for SMEs.

d) Description of organizational structure and facilities

- SIRIM Group has 10 branches and research facilities located at the following off-campus
- Advanced Materials Research Centre in Kulim, Kedah
- National Centre for Machinery and Tooling Technology in Hulu Selangor, Selangor
- Advanced Manufacturing Technology Centre in Bukit Jalil, Kuala Lumpur
- National Metrology Laboratory in Sepang, Selangor
- Satellite Incubator in Shah Alam

e) Organisation Chart:



Source: <http://www.sirim.my>

f) Description of specialized fields with the contents of activity

Research and Technology Division

SIRIM Berhad's Research and Technology development programs are closely aligned to the national

thrust areas, which are strategically important for the country's technological and economic development. Services Offered by Research and technology division:

- Contract Research
- Product Development
- Technology Transfer
- Designing
- Material Research, Evaluation, Development
- Process Optimisation
- Incubation Technology Development
- Testing & Quality Control
- Training
- Consultancy

Standards & Quality Division

Enhancing the competitiveness of industries and protection of the consumers as well as the environment has been the mainstay of SIRIM Berhad's endeavours in the implementation of its standardisation and quality programmes. Services offered by Standard and Quality Division are:

- Measurement & Calibration Services
- Certified Reference Materials
- Sales of Standards
- Library Membership Schemes
- Reference Services
- Electronic Information Retrieval
- Update of Service for Exporters
- Document Delivery - MS Online
- IP Advisory, Agency, Consultancy Services
- Product Standards & Specification Development
- Value Engineering & Product Improvement
- Training
- Consultancy

Other Services

SIRIM Berhad provides other services to industry that promote their competitiveness in the market place, locally and abroad. These services include Strategic Planning, Business Intelligence and Innovation Process, as well as Printing and Packaging services.

- Engineering and Project Management - With expertise and vast experience in technical and engineering fields, SIRIM provides engineering consultancy related services to various technical infrastructure development projects engineering design and development of machine prototypes scaling-up of pilot plants and provision of technical consultations to k-SMEs, technopreneurs, and enterprises.
- Strategic Planning, Intelligence & Management, Enterprise Risk Management, and Business Process Management - Support in defining the organisation's direction and strategy for the short, medium and long term in managing risks facing the organisation, and in providing tools and methodologies for business improvement.
- Printing & Packaging Design - Specialising in design and printing for security products and packaging to combat brand counterfeiting and product piracy, as well as integrated service to enhance the industry's competitiveness in the global market.

g) Subsidiaries

SIRIM QAS International Sdn Bhd (SIRIM QAS) (<http://www.sirim-qas.com.my/>)

SIRIM QAS is Malaysia's leading certification, inspection and testing body.

It was established in March 1997 as a wholly owned subsidiary of SIRIM Berhad to provide certification, inspection and testing activities that were previously carried out by SIRIM Berhad.

SIRIM QAS's certification scheme facilitates and provides a means for organizations to demonstrate their compliance to internationally recognized requirements by a credible certification body in an affordable manner. It serves as a one stop solution provider by offering its services to a cross section of the economic sectors ranging from the electrical and electronic sectors to forest management and the construction and building sector. SIRIM QAS is a member of IQ Net partner, the International Certification Network. It has successfully achieved accreditation from the National Accreditation Body, the Standards Malaysia under the Ministry of Science, Technology and Innovation and the United Kingdom Accreditation Service (UKAS), the UK National Accreditation Body. These achievements demonstrate the high degree of competency and credibility of SIRIM QAS in the area of certification. The company's certificates is widely accepted and recognised in providing value added to products and services thus allowing greater access to world market.

Contact

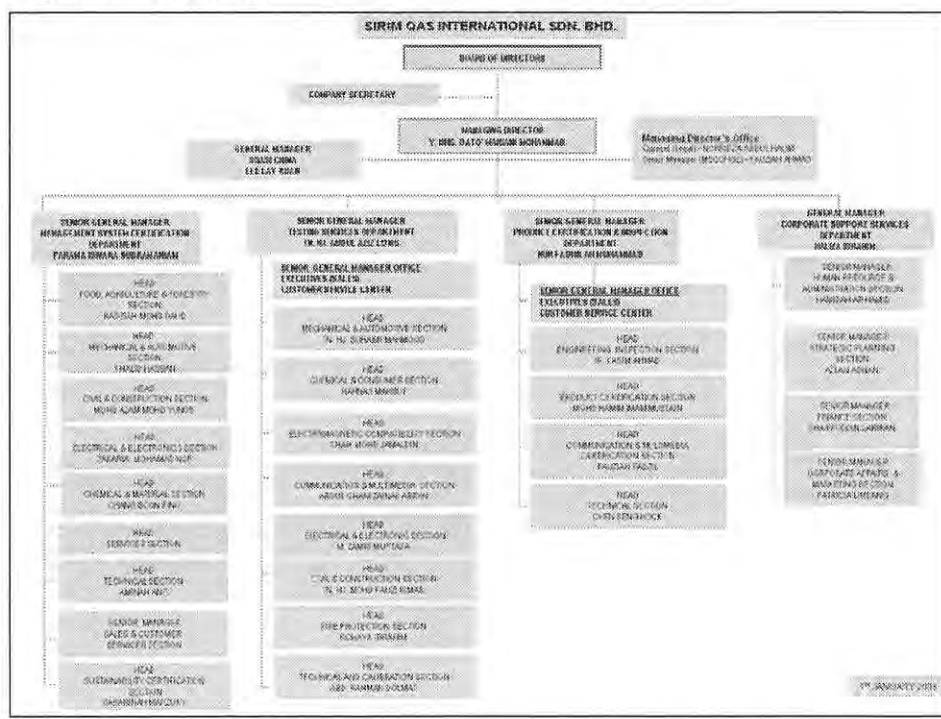
Block 8 SIRIM Complex, 1, Persiaran Dato' Menteri, Shah Alam 40911 Selangor, Malaysia
 Tel no. 03-5544 6400 Fax no 03-5544 6810 E-mail qas_marketing@sirim.my

Services

SIRIM QAS International Sdn Bhd offers 5 types of services ie

- Management System Certification
- Product Certification
- Product Testing
- Inspection CDM Validation and Certification (<http://www.sirim-qas.com.my/cdm/>) for food & drinks, civil & construction, chemical & materials, services, mechanical & automotives, forestry, electrical & electronics, communication & multimedia and medical devices industries.

Organisation Chart



Source: http://www.sirim-qas.com.my/index.php?option=com_content&task=view&id=17&Itemid=35

SIRIM Training Services Sdn Bhd (STS) (<http://www.sirim.my/sts/>)

STS was incorporated on 27 September 1997. It was set-up in 1991 as the Technology Dissemination Unit under the Technology Transfer Division of SIRIM Bhd to upgrade the technological skills and capabilities of local industries through organised courses, seminars, conferences and in-house training programme.

STS has since 2006 been restructured and entrusted to play a leading role as the Marketing and Sales arm of SIRIM Berhad for training programmes. In 2009 this was further expanded to promote and manage trainings on quality, technology, management, certificate learning programmes, seminars and conferences.

The core of STS trainers are from SIRIM Berhad which has more than 500 in-house experts who possess a wide spectrum of technological expertise and experience in advanced manufacturing, advanced materials, automation & robotics, engineering & testing, electrical and electronic testing, industrial biotechnology & chemical process, environmental technology, intellectual property, metrology, standards development, quality systems, incubators and entrepreneur development programmes.

Contact details

SIRIM Training Services Sdn. Bhd.,

1st Floor, Building 2, SIRIM Berhad Complex, 1 Persiaran Dato' Menteri, Section 2, 40911 Shah Alam, Selangor Darul Ehsan.

Tel: 03-5544 6203/04/05/08 Fax: 03-5544 6754 / 6289

Vision

To be recognised as a renowned house of choice for Quality, Technology and Management Trainings and Certificate Learning Programmes by the year 2015.

Mission

To market, promote and manage public and in-plant trainings in Quality, Technology and Management related areas, Certificate Learning Programmes, Seminars and Conferences

Core Business Areas

STS offers public short and long-term courses in the following areas

- Standards-based Management Systems courses
- Quality techniques and quality improvement tools courses
- Technology Training Courses, (also available in-plant), on
 - Advanced Manufacturing Technology (Machinery And Tooling)
 - Advanced Materials Technology
 - Environmental And Bioprocess Technology
 - Intellectual Property
 - Packaging Design
 - Entrepreneurship for SMES
- Management Training Courses (also available in-plant)
- Certificate Learning Programme has 4 certification courses on Non-Destructive Testing and Inspections, 3 courses on Welding, a course on Nanotechnology and 2 Executive Diploma level courses (Production & Operation Management and Production & Quality Management)
 - The certification courses on non-destructive testing and inspection are accredited with the Department of Skills Development Department, MOHR and recognised by PETRONAS as a qualified training centre for NDT*)
- Seminars and conferences to disseminate research and keep abreast of the latest development in the areas of quality and technology/. These events are usually co-organised with SIRIM Berhad or other reputable local or international organisations in identified new, emerging and innovative areas.

1. Official Development Assistance

1a) History / experience of Technical Cooperation or Loan Assistance by the Government of Japan

a) Development Studies

Study on the Industrial Standardization & Quality Assurance Improvement Program in Malaysia, Jan 1992 – Jan 1993

The Study for Upgrading the Measurement Centre, SIRIM, Jun 1993 – Jan 1994

The Study on Cleaner Production Promotion in Industry Sector, Nov 2000 – Sep 2002

b) Technical Cooperation Project

Metal Industry Technology Centre, Aug 1978 – Aug 1984

The metal industry technology centre (MITEC) was set up under the Standards and Industrial Research Institute of Malaysia (SIRIM) through a bilateral aid programme with the Government of Japan. The primary concern of the centre is to upgrade and develop the existing level of technology of the metal industries particularly the small and medium scale supporting firms.

Inputs:

Japanese side

- Dispatch of experts: 10 long term expert, 33 short term experts
- Provision of machinery and equipment: JPY 592,070,468
- Training of Malaysian counterpart in Japan: 35 (from 1978-1984)

Malaysian side

- Provision of machinery and equipment RM1,844,840
- Total expenditure (Development & operation): RM8,775,319

Source: Evaluation Report of the Project Metal Industry Technology Centre, JICA, 1984

Foundry Technology Unit, 1988 Oct 12~1993 Oct 11, A/C 1998 Mar 02~1999 Mar 31

Objective:

The project aims at developing human resources for the transfer of technology in the field of foundry technology and, thus, contributing to the technological development of the foundry industry in Malaysia

Output:

Transferring required foundry technology to counterparts to implement services of Foundry Technology Unit (FTU)

Inputs:

Japanese side:

- Experts dispatched: 8 long term experts, 37 short term experts
- Training of counter parts in Japan: 22
- Provision of machinery and equipment
- Expenses: JPY 764,237,000

Malaysian side:

- Allocation of counterparts and administrative personnel: 24

- Expenses: RM 3,844,949.53
- Constructions of the building
- Purchased of the machinery and equipment: RM 784,520

Source: Evaluation Report of the Project Foundry Technology Unit, JICA, 1993

Project on the National Metrology Laboratory, Dec 1981 – Dec 1985

Objective:

- To produce and maintain the national basic standards (primary, secondary and tertiary and working standards) of weight and measure
- To establish the standards supplying system
- To provide technical consulting and training services related to above for the government organisation and private enterprises in the filed of length, mass, volume, temperature and electricity

Output:

- Establishment of Metrological system
- Assembly and adjustment of instruments
- Maintenance of standards and instruments
- Transfer of technology
- Metrological management

Inputs:

Japanese side:

- 4 long term expert, 18 short term experts
- Provision of equipment: JPY 302,985,000
- Training of counter parts in Japan: 12

Malaysian side:

- Allocation of counterparts and administrative personnel
- Construction of new building: RM 3 million

Source: Evaluation Report of the on the National Metrology Laboratory, JICA, 1985

The Measurement Centre of SIRIM (Phase 2), Mar 1996 – Feb 2000

The National Metrology Laboratory (NML) was set up by the initial TC conducted from 1981 to 1985. To ensure the Metrology Laboratory continues to meet the rapidly advancing needs of industries it was necessary to established a National Measurement Standards System, both technologically and legally. The purpose of the second TC was to enable the NML to maintain higher accuracy for measurement standards of length, pressure, electricity and vibrations by provision machinery and equipment, upgrading technical capability of Malaysians and improving the accuracy of measurement standards and calibration system and technique.

Overall goal:

National Measurement Standards System is technologically and legally established

Project purpose:

Measurement standards of length, pressure, electricity and vibration with higher accuracy are maintained by the National Metrological Centre (NMC) of SIRIM Berhad.

Output:

In the field of length, pressure, electricity and vibration in the NMC:

- Project operational unit will be established
- Machinery and equipment will be provided, installed, operated and maintained

- Technical capability of counterparts will ne upgraded
- Accuracy of measurement standards will be improved
- Calibration system and technique will be improved

Inputs:

Japanese side

- Dispatch of experts: 7 long term experts, 24 short term experts
- Counterparts training in Japan: 14
- Equipment supply: JPY 350 million
- Provision of machinery and equipment relating to length, pressure, electricity and vibration

Malaysian side:

- Building, land, facilities and space for the project
- 27 counterparts personnel have been allocated
- Operational and capital budget: RM 14.1 million

Source: *Evaluation Report of the Project on Measurement Centre of SIRIM (Phase 2), JICA, 1999*

ASEAN Project on Characterization of Fine Ceramics, 1987 Nov 18~1991 Nov 17, F/U 1991 Nov 18~1992 Nov 17, A/C 1999 Oct 01~2001 Sep 30.

The initial project, under the Japan-ASEAN Science and Technology Cooperation, was to develop the capacity of the Ceramics Technology Center to conduct research on oxide, non-oxide and glass ceramics with the total provision of RM 4 million worth of equipment. The subsequent project was to further advance electronic ceramics technology by repairing and upgrading equipment supplied and by cooperating with hysteresis curve analysis that is necessary for ferroelectric assessment.

Objective:

To strengthen the fundamental basic research on Fine Ceramic in Malaysia

Aftercare Programme:

Objective:

- To develop further technology capabilities in term of knowledge and facilities in the area of eletroceramics
- To repair and upgrade the existing JICA equipment

Source: *Report of the proposal of Aftercare Technical Cooperation Programme for ASEAN Project on Characterization of Fine Ceramics, JICA, 1999*

Project on Evaluation and Analysis of Hazardous Chemical Substances and Biologic, Sep 1993 – Sep 1997

Objective:

The project aims to intensify the functions of evaluation of hazardous chemical substances and biological treatment of hazardous wastes, thus contributing to the streamlining and strengthening of the safety management system for hazardous chemical substances and waste in Malaysia.

Outputs:

- Facilities and capabilities for evaluation and analysis of hazardous chemicals and biological treatment of hazardous wastes to support national programmes on chemical safety and hazardous waste management as an integral part of the country's industrialisation process.
- Data-bases on hazardous chemical substances and hazardous waste treatment technologies and their application software as a reference point for relevant agencies and industries involved in these areas.
- Upgraded capability and increased technical manpower in the above-mention areas

Inputs:

Japanese side:

- Experts dispatched: 5 long term experts, 16 short term experts
- Training of counterpart in Japan: 12
- Provision of machinery and equipment: JPY 240 million
- Support of local cost: JY 34 million
- Total expenses: JPY 623 million

Malaysian side:

- Assignment of personnel of the project: 18 members
- Expenses by classification:
 - Building: RM 790,000
 - Staff charge: RM 1,431,500
 - Equipment maintenance: RM 285,000
 - Local travel: RM 68,000

Source: Evaluation Report of the Project on Evaluation and Analysis of Hazardous Chemical Substances and Biologic, JICA, 1997

The Malaysia AI System Development Laboratory, Mar 1995 – Feb 2000

The project is to promote AI technology in Malaysia by building the capacity of the AI System Development Laboratory, developing a prototype AI system and promoting AI technology of Malaysia.

Input

Japanese side

- Long-term experts 12
- Short-term experts 36
- Trainees received 21
- Equipment 390 million Yen
- Local costs 21 million Yen

Malaysian side

- Counterpart approx 41
- Building and facilities
- Local costs 8.8 million ringgit (259 million Yen)

Source: JICA Evaluation Report, 2001, page 242

The Project on Risk Management of Hazardous Chemical Substances, April 1998 – Mar 2002

The Project is to upgrade SIRIM's capacity in risk assessment of hazardous chemical so that it can provide evaluation and management services in chemical safety for the industrial sector particularly in wastewater

Inputs

Total cost: 453 million yen

Japanese side:

- Long-term Expert 7
- Short-term Expert 27

- Trainees received 13
- Equipment 140 million yen
- Local Cost 21 million yen

Malaysia's side:

- Counterparts 17
- Equipment RM 875,000
- Local Cost RM 8,590,000

Capacity Building on Product Test on IEC 335 & IEC598 in Malaysia, Sep 1999 – Aug 2002

For electrical / electronic manufacturers and exporters to increase their domestic and export sales they need to be able to test the safety aspect of their products. A project was formulated to help SIRIM attain the status of a qualified testing laboratory under IECEE requirements. To be certified under the IECEE scheme, SIRIM capacity for safety testing under IEC335 and IEC598 must be developed and staff must understand the methods of the necessary safety test for parts under IEC335 and IEC598 and for insulators as well as the requirements under the IECEE-CB scheme.

Overall Goal

To enable SIRIM to attain the status of a qualified Testing Laboratory (CBTL) and participate in the CB Scheme.

Project Purpose

To be certified CBTL/NCB under the IECEE scheme, SIRIM's capacity is developed in safety testing electrical products as stipulated in IEC 335 and IEC 598.

Outputs

- SIRIM can conduct the safety test under IEC335 and 598.
- The SIRIM staff understands the methods of the necessary safety test for parts under IEC335 and 598 and for insulators.
- SIRIM staff understands the outline of the requirements under the IECEE-CB Scheme.

Input

Japanese side

- Long-term experts 2
- Short-term experts 4
- Trainees received 5
- Equipment 386 million Yen
- Local costs 61 million Yen

Malaysian side

- Counterpart 5
- Building and facilities
- Local costs

Source: http://www.jica.go.jp/english/operations/evaluation/tech_and_grant/project/term/asia/malaysia_2001_3.html

c) Third Country Training Programme

Mold and Die Design Technology, 1994 – 1998

This TCTP was part of TC to build the capacity of the Foundry Technology Unit (see above). The goal was to provide technical government officials from Asia and Pacific countries with an opportunity to improve their knowledge in the field of mold and die design by imparting skills and knowledge on plastic injection

mold design technology, press die design technology, sheet metal press working, die design principles, mold design practise and evaluation and CAD/CAM 2D drafting, 3D modelling, tool-path simulation and NC programming.

57 participants (including 10 Malaysians) from 14 countries attended the course that was held annually over 5 years. The training methodology is largely lecture and practical sessions. The invitation and training costs borne by the Japanese government range from RM202 to 215 thousands per year. Malaysia provided the training facilities and lecturers but these are not costed.

Source: *Thematic Evaluation Report on TCTP in Malaysia, 2002*

Analytical Instrumentation for Ceramics, 1995 – 1998

This TCTP was part of TC on characterization of fine ceramics (see above). The goal is to provide technical government officials from Asian countries with an opportunity to improve their knowledge and techniques in the field of analytical instrumentation for ceramics by imparting skills and knowledge on analytical instrumentation for ceramics relating to thermal analysis, x-ray diffractometry, electron microscopy scanning and mechanical properties analysis.

5 courses were conducted from 1994 to 1998 but data are only available for the years 1997 and 1998. For that 2 years a total of 21 participants (including 5 Malaysians) from 9 countries attended the course. Costs borne by the Japanese government were RM171 thousand (total is RM250 thousand) in 1997 and RM160 thousand (total RM236 thousand) in 1998.

Source: *Thematic Evaluation Report on TCTP in Malaysia, 2002*

APEC Partners of Progress (PPF) Project: Standards and Conformity Assessment Schemes, 1997 – 2000

Product standards and conformity is necessary for liberalization and facilitation of trade. In total 116 persons (including 21 from Malaysia) attended the training that was conducted 4 times over 4 years.

Input

Japanese side

- Short-term experts 17
- Training expenses approx 0.95 million Ringgit (30 million Yen)

Malaysian side

- Lecturers and administrative staff
- Training and accommodation facilities and equipment
- Training expenses

Source: *JICA Evaluation Report 2001, page 236*

Policy and Frame Work for SME Development, 2006 -2008

Innovation and Incubation, 2009 -2011

d) Staff sent for training in Japan

	Work Position/Title at the time of training	Course attended	Year
1.	Research Assistant, National Metrology Centre, SIRIM Bhd	AC Voltage	1998
2.	Researcher, AMREC, SIRIM Bhd	Advanced Materials	1999
3.	Researcher, AISDEL, SIRIM Bhd	AI Development Training Course	1997
4.	Researcher, AISDEL, SIRIM Bhd		1997
5.	General Manager, AISDEL, SIRIM Bhd		1998

	Work Position/Title at the time of training	Course attended	Year
6.	Senior General Manager, Advanced Manufacturing Technology Department, SIRIM Bhd		1998
7.	Senior Executive, SIRIM Bhd	APEC Regional WTO / TBT Administrative Agreement Implementation	2002
8.	Senior Executive, Business Development, Standard & Quality Division, SIRIM Bhd		2003
9.	Senior Standards Executive, SIRIM Bhd		2004
10.	Project Executive, SIRIM Bhd	Applied Standardized Quality System	1997
11.	Certification Executive (Researcher), SIRIM Bhd		1998
12.	Senior Standards Executive, Standards Management Department, SIRIM Bhd	ASEAN International Standard Developed	2004
13.	Senior Standard Executive, SIRIM Bhd		2005
14.	Senior Executive, SIRIM Bhd		2006
15.	Standard Executive, SIRIM Bhd		2007
16.	Senior Executive, Standards & Quality Division, SIRIM Bhd		2008
17.	Senior Certification Executive, SIRIM QAS International Sdn. Bhd	ASEAN Product Certification (IECEE / CB Scheme) Practical Course	2004
18.	Senior Technical Executive, SIRIM QAS International Sdn. Bhd.		2004
19.	Technical Executive, SIRIM Bhd International		2007
20.	Certification Executive, Product Certification, Inspection & Testing Department, SIRIM QAS International Sdn Bhd		2008
21.	Senior Project Executive, SIRIM Bhd	ASEAN Quality System Standards	2002
22.	Senior Technical Executive, Mechanical Product Testing Section, SIRIM QAS International Sdn. Bhd.	Automotive Certification Standards For Environmental Safety	2006
23.	Consultant/Automotive Component Center, SIRIM Bhd	Automotive Environmental Testing	2009
24.	Senior Technician, Mechanical & Automotive Testing Services, SIRIM QAS International		2009
25.	Senior Technician, Mechanical & Automotive Testing Services, SIRIM QAS International		2009
26.	Senior Technician, Mechanical & Automotive Testing Services, SIRIM QAS International		2009
27.	Testing Executive, Mechanical & Automotive Testing Services, SIRIM QAS International		2009
28.	Senior Technical Executive, SIRIM QAS International, SIRIM Bhd	Automotive Supporting Industries Development	2008
29.	Senior Technician, SIRIM QAS International, SIRIM Bhd		2008
30.	Testing Executive, SIRIM QAS International, SIRIM Bhd		2008
31.	Research Officer, SIRIM Bhd	Biologically Hazardous Waste Management	1996
32.	Researcher, SIRIM Bhd		1997
33.	Researcher, Ceramics Technology Centre, SIRIM Bhd.	Ceramics Characterization	2000
34.	Senior Researcher, Environment & Bioprocess Technology SIRIM Bhd	Chemical Management Policy Training	2005
35.	Researcher, Environmental Energy Technology Center, SIRIM Bhd	Chemicals Risk Management	2001

	Work Position/Title at the time of training	Course attended	Year
36.	Researcher, SIRIM Bhd		2001
37.	General Manager, Environmental & Energy Technology Centre, SIRIM Bhd		2001
38.	Associate Researcher, SIRIM Bhd	Cleaner Production	2001
39.	Research Officer, SIRIM Bhd	Concentration Test Technology	1996
40.	Certification Executive, SIRIM Bhd	Conformity Assessment System (Industrial)	1998
41.	Certification Executive, SIRIM Bhd		1999
42.	Technical Executive Quality Officer, Electrotechnical Testing Section, SIRIM Bhd		2000
43.	Senior Technical Executive, Quality Officer, Chemical Testing Section, SIRIM Bhd		2001
44.	Technical Executive, Electrotechnical Testing Section, SIRIM Bhd		2001
45.	Technical Executive, SIRIM Qas International		2003
46.	Research Officer, Photonics and Electronic Materials Programme, AMREC, SIRIM Bhd	Technical Assistance for Small and Medium Enterprises Promotion II (Organic Chemistry Industrial Inorganic Chemical Industries)	2005
47.	Research Assistant, Energy and Environment Centre, SIRIM Bhd	Ecotoxicity Test	1998
48.	Researcher, Energy & Environmental Technology Centre, SIRIM Bhd		1999
49.	Researcher, SIRIM Bhd	Electrical Appliance Safety Test	1998
50.	Technical Assistant, SIRIM Bhd		1998
51.	Technical Assistant, SIRIM Bhd		1998
52.	Technical Assistant, SIRIM Bhd		2001
53.	Senior Executive, SIRIM Bhd	Energy-Saving Diagnostic Technology In Asia	2007
54.	Researcher, Cleaner Technology and Energy Efficiency Group, SIRIM Bhd	Environmental Issues Related to Auto Vehicle: Technology and Policy	2005
55.	Senior Researcher, National Metrology Centre SIRIM Bhd	Frequency attenuation	1999
56.	Research Officer, SIRIM Bhd	Furnace and Kiln Fired Ceramic Technology	1996
57.	Researcher, Plastics Technology Centre SIRIM Bhd	High Performance Polymer Engineering	2000
58.	Certification Executive, SIRIM Bhd	Industrial Quality Control Standards Seminar	1997
59.	General Manager, National Measurement Centre, SIRIM Bhd	Industry Standard (Inspection)	1996
60.	Senior Research Officer, National Measurement Centre, SIRIM Bhd		1996
61.	Researcher, SIRIM Bhd	Inorganic Materials Engineering for Electronics Industry	1998
62.	Research Officer, SIRIM Bhd	International Intellectual Property	1996
63.	Senior Technician, SIRIM Bhd	International Standard Electrical	1999

	Work Position/Title at the time of training	Course attended	Year
64.	Senior Technician, SIRIM Bhd	Appliance	1999
65.	Principle Technician, Electrotechnical Testing Section, SIRIM Bhd		2000
66.	Technical Executive, Electrotechnical Testing Section, SIRIM Bhd		2000
67.	Research Officer, AISDEL, SIRIM Bhd	Latest AI technology	1996
68.	Research Officer, AISDEL, SIRIM Bhd		1996
69.	Research Officer, AISDEL, SIRIM Bhd		1996
70.	Research Officer, AISDEL, SIRIM Bhd		1996
71.	Assoc. Metrologist, Flow Metrology Section, National Metrology Laboratory, SIRIM Bhd	Legal Metrology	2002
72.	Associate Metrologist, Electrical Metrology Section, National Metrology Laboratory, SIRIM Bhd		2002
73.	Research Assistant, National Metrology Centre SIRIM Bhd	Length Standard	1999
74.	Assistant Researcher, SIRIM Berhad	Malaysia East Policy "Electronics"	2005
75.	Researcher, Advanced Materials Centre SIRIM Bhd	Material Processing Technology II	2005
76.	Researcher, National Metrology Centre SIRIM Bhd	Measurement Technology	1999
77.	Researcher, SIRIM Bhd		2000
78.	Senior Project Executive, SMI's Development Department, SIRIM Bhd	Overall Productivity Practical	2000
79.	Certification Exective, SIRIM Bhd		2001
80.	Reseach Officer, SIRIM Bhd	Power Frequency	1997
81.	Researcher, National Metrology Centre SIRIM Bhd	Power Meter Power Meter Calibration	1999
82.	Senior Reseacher, National Metrology Centre SIRIM Bhd	Pressure Standard Measurement	1998
83.	Manager, Sirim-Environmental Technology Centre	Project Management Plan	1996
84.	Programme Coordinator, SIRIM Bhd		1997
85.	General Manager, National Metrology Centre, SIRIM Bhd		1998
86.	Researcher, SIRIM BERHAD	Quality Metal Processing Technologies II	2001
87.	Manager, Electrical Metrology Section, SIRIM Bhd	Standard Electrical Accuracy Improvement	1998
88.	Associate Researcher, SIRIM Bhd (Foundry Technology Programme)	Steel Cast	2000
89.	Senior Technician, SIRIM Bhd (Foundry Technology Programme)		2000
90.	Assistant Researcher, SIRIM Bhd (Foundry Technology Programme)		2001
91.	Assistant Researcher, SIRIM Bhd (Foundry Technology Programme)		2001
92.	Assistant Researcher, SIRIM Bhd		2001
93.	Senior Researcher, SIRIM Berhad		2002
94.	Senior Researcher, SIRIM Berhad		2002

	Work Position/Title at the time of training	Course attended	Year
95.	Senior Technician, SIRIM Berhad		2002
96.	Assistant Researcher, SIRIM Bhd (Foundry Technology Program)	Steel Technology	1999
97.	Draughtsman, SIRIM Bhd (Foundry Technology Programme)		1999
98.	Researcher, AISDEL, SIRIM Bhd	Systems Analyst	1998
99.	Researcher, National Metrology Centre, SIRIM Bhd	Technical Standards Measurement	1997
100.	Researcher, National Metrology Centre, SIRIM Bhd		1998
101.	Research Officer, Product Certification Unit of the Standards & Quality Division, SIRIM Bhd	TQC Practice Standardization Activities II	1996
102.	Asst. Researcher, SIRIM Bhd	Tube Fish Breeding Management	1997
103.	Research Officer, SIRIM Bhd	Vibration Calibration	1997
104.	Researcher, SIRIM Bhd	Voltage Transformer Calibration Test	1997
105.	Assistant Researcher, Environment and Energy Technology Center, SIRIM Bhd	Wastewater Management	1998
106.	Researcher, SIRIM Bhd		1998
107.	Researcher, SIRIM Bhd		2001

Source: JICA Malaysia office data

e) Japanese experts assistance received by the institution (by Number of Dispatched)

	Assistance Provided	Month/Year	Duration (Days)
1.	Architectural Plans	Mar 1989	9
2.	Coordinate Data	Mar 1989	1672
3.	Facilities Planning	Mar 1989	-9
4.	Lysis	Mar 1989	730
5.	Machine Parts	Mar 1989	9
6.	Technical Cooperation Program	Mar 1989	8
7.	Technology Transfer Plan	Mar 1989	6
8.	Third Country Training (Metal)	Mar 1989	38
9.	Third Country Training (Metal)	Mar 1989	38
10.	Training Program	Mar 1989	9
11.	Chief Advisor	Jun 1989	730
12.	Architectural Plans	Sep 1989	11
13.	Architectural Plans	Sep 1989	11
14.	Molding	Nov 1989	730
15.	Equipment Installation And Operations Teaching	Jan 1990	16
16.	Lysis	Jan 1990	136
17.	Equipment Installation & Operation Processing Instruction (Sand)	Feb 1990	29
18.	Equipment Installation And Operations Teaching	Feb 1990	23

	Assistance Provided	Month/Year	Duration (Days)
19.	Mechanical Installation Operations Leader (Supervisor)	Feb 1990	43
20.	Model	Feb 1990	113
21.	Molding	Feb 1990	113
22.	Technical Cooperation Program	May 1990	10
23.	Technology Transfer Plan	May 1990	13
24.	Training Program	May 1990	13
25.	Equipment Installation	Jul 1990	15
26.	Equipment Installation And Operations Teaching	Jul 1990	15
27.	Quality Management	Sep 1990	67
28.	Testing	Sep 1990	67
29.	Model	Oct 1990	1085
30.	Casting Technology	Nov 1990	6
31.	Technical Cooperation Program	Nov 1990	11
32.	Technical Cooperation Program	Nov 1990	16
33.	Lysis	Mar 1991	950
34.	Chief Advisor	Jun 1991	865
35.	Casting Technology	Aug 1991	57
36.	Testing	Sep 1991	58
37.	Modeling	Oct 1991	732
38.	Melting Technology	Nov 1991	7
39.	Quality Management	Feb 1992	60
40.	Tooling	Mar 1992	1095
41.	Optical X-Ray Analysis Equipment Operation Instruction	May 1992	19
42.	Aluminum Casting	Sep 1992	62
43.	Drafting	Sep 1992	62
44.	Resin Production	Sep 1992	62
45.	Copper Alloy Castings	Jan 1993	106
46.	Organic Self-Hardening Mold Making	Jan 1993	59
47.	Calibration Technology Equipment Repair	Mar 1993	8
48.	Calibration Technology Equipment Repair	Mar 1993	14
49.	Calibration Technology Equipment Repair	Mar 1993	14
50.	Casting Technology	Jun 1993	60
51.	Product Development	Jun 1993	87
52.	Casting Technology	Sep 1993	5
53.	High-Quality Materials Research	Sep 1993	29
54.	Maintenance Test Fish Rearing Facility	Oct 1993	14
55.	Maintenance Test Fish Rearing Facility	Oct 1993	33

	Assistance Provided	Month/Year	Duration (Days)
56.	Activated Sludge Biodegradation Test Culture Technology	Mar 1994	1259
57.	Fish Farming Management Techniques	Mar 1994	916
58.	Materials Concentration Testing Technology	Mar 1994	1259
59.	Operational Coordination	Mar 1994	1268
60.	Chief Advisor	May 1994	1222
61.	JIS Signs Introduction Guidance	Jun 1994	59
62.	High-Quality Materials Research	Aug 1994	15
63.	Chemical Safety Assessment	Nov 1994	14
64.	Waste Management Technology	Jan 1995	29
65.	Equipment Installation	Mar 1995	18
66.	High-Quality Materials Research	Mar 1995	19
67.	Operational Coordination	Mar 1995	1096
68.	Third Country Training (Ceramic Analysis Of Measurement)	Mar 1995	7
69.	Facilities Planning	Apr 1995	6
70.	Waste Management Technology	Apr 1995	8
71.	Equipment Installation	May 1995	7
72.	Equipment Installation	May 1995	7
73.	Chief Advisor	Jun 1995	1096
74.	Expert Planning System	Jul 1995	972
75.	Expert System Building Tool	Jul 1995	731
76.	Expert System Building Tool	Jul 1995	884
77.	Expert System Development Tool	Jul 1995	972
78.	Capacity Building Inspections	Aug 1995	15
79.	Waste Management Technology	Aug 1995	15
80.	Waste Management Database	Sep 1995	7
81.	Equipment Installation	Nov 1995	7
82.	Equipment Installation	Nov 1995	7
83.	Third Country Training (Ceramic Analysis Of Measurement)	Nov 1995	16
84.	Waste Management Technology	Nov 1995	10
85.	Neural Network Technology	Dec 1995	7
86.	Relational Database	Jan 1996	15
87.	Network Preferences	Mar 1996	8
88.	Other Seminar Speaker Opening	Mar 1996	5
89.	Other Seminar Speaker Opening	Mar 1996	6
90.	Waste Management Technology	Mar 1996	10
91.	Operational Coordination	Apr 1996	1423
92.	Electrical	May 1996	1373

	Assistance Provided	Month/Year	Duration (Days)
93.	High-Quality Materials Research	May 1996	14
94.	Length	May 1996	1373
95.	Pressure	May 1996	791
96.	Vibration	May 1996	730
97.	Chief Advisor	Jun 1996	760
98.	Waste Management Technology	Aug 1996	14
99.	Waste Management Technology	Aug 1996	8
100.	AI-Art Technology	Sep 1996	8
101.	Home Electric Appliances Safety Test	Sep 1996	91
102.	Coordination And Assembly Equipment (Vibration)	Oct 1996	28
103.	Power Frequency / Attenuation	Oct 1996	70
104.	Third Country Training "Ceramic"	Oct 1996	8
105.	Third Country Training "Ceramic"	Oct 1996	8
106.	Equipment Installation	Nov 1996	8
107.	Equipment Installation (H / W)	Nov 1996	8
108.	Equipment Installation (H / W)(S / W)	Nov 1996	8
109.	Es Construction Technology	Nov 1996	9
110.	Es Construction Technology	Dec 1996	8
111.	AI Instruction Set Short Course	Feb 1997	13
112.	High-Quality Materials Research	Feb 1997	16
113.	Chemical Safety	Mar 1997	14
114.	Chemical Safety	Mar 1997	22
115.	Database	Mar 1997	14
116.	Waste Management Technology	Mar 1997	12
117.	AI-Art	Apr 1997	9
118.	Expert System Building Tool	Jun 1997	990
119.	Chemical Safety	Jul 1997	10
120.	Es Construction Technology	Jul 1997	19
121.	Waste Management Technology	Jul 1997	8
122.	Waste Management Technology	Aug 1997	15
123.	Equipment Installation Length	Sep 1997	10
124.	Es Construction Technology	Sep 1997	12
125.	High-Quality Materials Research	Sep 1997	15
126.	Equipment Installation Length	Oct 1997	12
127.	High-Frequency Power (Electricity)	Oct 1997	61
128.	Measure Analysis Of Ceramic	Oct 1997	7
129.	Measure Analysis Of Ceramic	Oct 1997	9

	Assistance Provided	Month/Year	Duration (Days)
130.	Expert System Development Plan	Nov 1997	835
131.	AI-Art	Dec 1997	6
132.	Equipment Installation (Adjustment Pressure)	Dec 1997	12
133.	Impedance-Frequency / Attenuation	Dec 1997	72
134.	AC Voltage	Jan 1998	78
135.	Electricity	Jan 1998	78
136.	IECEECB Scheme	Jan 1998	12
137.	Equipment Installation	Feb 1998	11
138.	ES Construction Tools	Feb 1998	744
139.	ES Development Tools	Feb 1998	756
140.	High-Quality Materials Research	Feb 1998	15
141.	IEC335 Safety Test	Mar 1998	179
142.	IECEEC Participation Scheme	Mar 1998	13
143.	Operational Coordination	Mar 1998	731
144.	Pressure And Mass	Mar 1998	48
145.	Standardization Law System	Mar 1998	12
146.	Vibration	Mar 1998	29
147.	Equipment Installation	Apr 1998	6
148.	Mutagenic Test	Apr 1998	1433
149.	Operational Coordination	Apr 1998	1452
150.	Chief Advisor	May 1998	1411
151.	Sampling Analysis	May 1998	731
152.	Chief Advisor	Jun 1998	636
153.	Measurement And Evaluation Technology For Precision Bore	Jun 1998	16
154.	Chief Advisor	Jul 1998	974
155.	Chief Advisor	Jul 1998	600
156.	Es Construction Technology	Jul 1998	11
157.	High-Quality Materials Research	Aug 1998	15
158.	Third Country Training (Ceramic Analysis Of Measurement)	Aug 1998	6
159.	CT / VT System Calibration	Sep 1998	59
160.	CT / VT System Calibration And Installation	Sep 1998	24
161.	Lysis	Sep 1998	91
162.	Modeling	Sep 1998	212
163.	Product Development And New Materials	Sep 1998	122
164.	AI-Art	Oct 1998	6
165.	Calibration Of High-Frequency Reflection Coefficient	Oct 1998	64
166.	Es Construction Technology	Nov 1998	17

	Assistance Provided	Month/Year	Duration (Days)
167.	AI-Art	Dec 1998	10
168.	Chemical Safety	Dec 1998	6
169.	Collect Information Of Chemical Risk Assessment	Dec 1998	7
170.	Ecological Toxicity Of Chemical Research In The Tropical	Dec 1998	11
171.	Risk Assessment Systems In Japan And OECD	Dec 1998	7
172.	Calibration Of High-Frequency Attenuation	Feb 1999	55
173.	High-Quality Materials Research	Feb 1999	14
174.	Chemical Materials Reference	Mar 1999	23
175.	Chemical Materials Reference	Mar 1999	23
176.	Chemical Materials Reference	Mar 1999	9
177.	Es Construction Technology	Mar 1999	9
178.	International Safety Standards Electrical Appliances (Amendment)	Mar 1999	49
179.	International Safety Standards Electrical Appliances (Amendment)	Mar 1999	49
180.	Standard Humidity And Moisture Measurement Technology	Mar 1999	21
181.	Vibration	Mar 1999	92
182.	Ecotoxicity	Apr 1999	15
183.	Electrical Product Safety Testing (Iec65)	Apr 1999	366
184.	Wastewater Management	Apr 1999	16
185.	Es Construction Technology	Jun 1999	10
186.	ES Construction Technology (PC-WS Network Technology)	Jul 1999	11
187.	Measurement Management	Jul 1999	66
188.	Standard Pressure	Jul 1999	92
189.	ES Construction Technology (Function Point Method)	Aug 1999	6
190.	High-Quality Materials Research	Aug 1999	15
191.	Measurement And Three-Dimensional Measuring Screw	Aug 1999	62
192.	Electric Power	Sep 1999	14
193.	Es Construction Technology (Harbor Information System)	Sep 1999	10
194.	Metrology	Sep 1999	6
195.	Wastewater Management	Sep 1999	86
196.	AI-Art Technology	Oct 1999	7
197.	Dispatch Team (335)	Oct 1999	731
198.	Ecotoxicity Test Technique (Fish)	Oct 1999	15
199.	ES Building Technology (Developed Technique Agent)	Nov 1999	12
200.	High-Frequency Power (Electricity)	Nov 1999	28
201.	Third Country Training "PFP Standards Compliance"	Nov 1999	12
202.	Third Country Training "PFP Standards Compliance"	Nov 1999	4

	Assistance Provided	Month/Year	Duration (Days)
203.	Third Country Training "PFP Standards Compliance"	Nov 1999	4
204.	Third Country Training "PFP Standards Compliance"	Nov 1999	4
205.	Ecotoxicity Test	Feb 2000	8
206.	High-Quality Materials Research	Feb 2000	16
207.	Risk Assessment	Feb 2000	7
208.	Risk Assessment	Feb 2000	12
209.	Component Testing	Mar 2000	29
210.	Materials Testing	Mar 2000	29
211.	Sampling Analysis	Mar 2000	3
212.	Wastewater Treatment Technology	Mar 2000	8
213.	Vacuum Pressure Sintering Furnace Repair	Jun 2000	13
214.	Utensil Gases Test Technology	Jul 2000	92
215.	Measurement Management	Aug 2000	92
216.	Ecotoxicity Test	Oct 2000	22
217.	Wastewater Treatment Technology	Oct 2000	22
218.	Wastewater Treatment Technology	Nov 2000	7
219.	Technical Risk Assessment Of Hazardous Chemicals	Jan 2001	5
220.	Chemical Risk Management	Feb 2001	5
221.	Chemical Risk Management	Feb 2001	5
222.	Component Testing	Feb 2001	27
223.	Ecotoxicity Test	Feb 2001	8
224.	Environmental Impact Assessment Of Toxic Chemicals	Feb 2001	8
225.	Materials Testing And CB Scheme	Feb 2001	12
226.	Mutagenic	Feb 2001	7
227.	Risk Assessment	Mar 2001	396
228.	Electronic Ceramics	Aug 2001	12
229.	Powder X-Ray Diffraction Equipment Upgrade	Aug 2001	7
230.	Wastewater Treatment Technology	Aug 2001	11
231.	Electrical Appliance Safety Test	Sep 2001	365
232.	Wastewater Treatment Technology	Sep 2001	30
233.	Electrical Appliance Safety Test	Nov 2001	14
234.	GLP System Guidance	Dec 2001	7
235.	GLP System Guidance	Jan 2002	9
236.	Electrical Appliance Safety Test	Mar 2002	14
237.	IEC60335 And IEC60745	Sep 2002	181
238.	SIRIM Measurement Center (Pressure)	Apr 2004	42
239.	SIRIM Measurement Center (Vibration)	Apr 2004	42

	Assistance Provided	Month/Year	Duration (Days)
240.	Vibration Test	Mar 2007	82
241.	Vibration Test	Sep 2007	88
242.	Vibration Test	Jul 2008	14
243.	Vibration Test	Jul 2008	7
244.	Vibration Test	Sep 2008	8
245.	Vibration Test	Jan 2009	28
246.	Vibration Test	Mar 2009	29

Source: JICA Malaysia office data

2. Technical Cooperation provided by the institution for other developing countries

2a) Year of first involvement Malaysian Technical Cooperation Programme:

2003

2b) Type of MTCP provided

Short term specialized training – scheduled training

2c) List of cooperation activities conducted by the institution (Training, Dispatch of Seminar Lecturer or Technical Expert)

	Title	Type	Country/ Region	Year	Remarks (e.g. Number)
1.	International Training Programme on Cleaner Production Technology for Sustainable Development	MTCP	Bhutan, Cambodia, China, Cote D'Ivoire, Egypt, Ethiopia, Kenya, Lao PDR, Lesotho, Malawi, Morocco, Myanmar, Nepal, Nigeria, Pakistan, Philippines, Seychelles, Sri Lanka, Sudan, Syria, Tajikistan, Tanzania, Tunisia, Turkey, Uganda, Uzbekistan, Vietnam	2004-2007	Average Participants: 14
2.	International Training Programme on Electronics and Computer Application	MTCP	Albania, Botswana, Cambodia, China, Egypt, Ethiopia, Jordan, Kenya, Lao PDR, Malawi, Morocco, Myanmar, Pakistan, Philippines, Republic of Yemen, Sri Lanka, Sudan, Thailand, Uganda, Vietnam	2004-2006	Average Participants: 13
3.	International Training Programme on Enhancing Competitiveness Through CAD/CAM Application	MTCP	Bangladesh, Cambodia, Ecuador, Egypt, Eritrea, Ethiopia, Indonesia, Jordan, Kenya, Lao PDR, Myanmar, Nepal, Nigeria, Pakistan, Sri Lanka, Sudan, Syria, Tanzania, Uganda, Vietnam	2005-2007	Average Participants: 14
4.	International Training Programme on Information Security Management	MTCP	Bangladesh, Bosnia and Herzegovina, Botswana, Cambodia, Egypt, Jordan, Kenya, Mauritius, Myanmar, Nepal, Nigeria, Pakistan, Philippines, Vietnam	2005 - 2006	Average Participants: 12

	Title	Type	Country/ Region	Year	Remarks (e.g. Number)
5.	International Training Programme On Metrology For Developing Countries	MTCP	Indonesia, Jordan, Kyrgyz Republic, Mongolia, Philippines, Sri Lanka, Sudan, Syria	2008	Participants: 9
6.	International Training Programme on Quality Improvement Framework for SME Development for CLMV and Developing Countries	MTCP	Albania, Cambodia, Ethiopia, Jordan, Lao PDR, Lesotho, Myanmar, Nepal, Nigeria, Philippines, Sri Lanka, Tanzania, Turkey, Uzbekistan, Vietnam, Zambia	2004-2007	Average Participants: 13
7.	International Training Programme on Senior Management Programme on Managing RTOs	MTCP	Bangladesh, Brazil, China, Egypt, Ghana, Indonesia, Iran, Iraq, Jamaica, Jordan, Kenya, Lao PDR, Lebanon, Morocco, Nepal, Nigeria, Pakistan, Philippines, Senegal, South Africa, Sri Lanka, Tanzania, Thailand, Tunisia, Uganda, Vietnam	2006-2009	Average Participants: 11
8.	International Workshop on Standards and Quality	MTCP	Bahrain, Cambodia, China, Ethiopia, Fiji, Indonesia, Iran, Jordan, Kenya, Kyrgyz Republic, Lao PDR, Lebanon, Lesotho, Mauritius, Myanmar, Nepal, Oman, Palestine, Republic of Yemen, Saudi Arabia, Sri Lanka, Syria, UAE, Uganda, Uzbekistan, Vietnam, Zambia	2004-2007	Average Participants: 15
9.	Training Programme On Industrial Automation For Sustainable Development	MTCP	Bhutan, Egypt, Fiji, Lao PDR, Nepal, Nigeria, Philippines, Seychelles, Sri Lanka, Sudan, Tanzania, Thailand, Uganda, Vietnam, Zimbabwe	2007-2008	Average Participants: 13
10.	Workshop on Standards & Quality for CLMV Countries	MTCP	Cambodia, Lao PDR, Myanmar, Vietnam	2003	Participants: 10

Source: Unpublished EPU Data (based on the information available)



6.3 Kulim Hi Tech Park

KTP Corp, 100% subsidiary of the Kedah State Development Corporation, is the developer of the Kulim Hi-Tech Park (KHTP). KTP Corp planned the park to attract technology-related industries primarily in the fields of advanced electronics, mechanical electronics, telecommunications, semiconductors, optoelectronics, biotechnology, advanced materials, research and development and emerging technologies. KTP Corp made a development study with JICA on the establishment of KHTP. KHTP, officially opened in 1996, is the first fully integrated high technology industrial park in Malaysia.

The experience of Kulim Technology Park Corporation Sdn Bhd (KTPCorp) was utilised by JICA to assist Zambia to establish the Lusaka South Multi Facility Economic Zone (LS-MFEZ). In 2008 KTP Corp coordinated the design for the construction of the Master Plan for LS-MFEZ and prepared the Feasibility Study for Phase 1.

Institutional Information Sheets

6.3.1 Kulim Technology Park Corporation Sdn Bhd (KTPCorp)

Institutional Information Sheet (Date as of: 23/11/2009)

Name of Institution: **Kulim Technology Park Corporation Sdn Bhd (KTPCorp)**

Related Government Ministry/Department: **Kedah State Development Corporation, Kedah State Government**

Contact details of Institution (address, tel, fax, email):

Kulim Technology Park Corporation Sdn Bhd (KTPCorp)

Suite 3.01 - 3.02, d Floor KHTP Business Centre, Kulim Hi-Tech Park, 09000 Kulim, Kedah

Tel: 04 403 2420

Fax: (6)04 403 1973

Website: www.khtp.com.my

Name and position of person in charge: **Tn Hj Muhamad Sobri Osman** (President), Secretary: Pn Anizah

Contact detail of person in charge: Email: sobri@khtp.com.my

Note: Person involved in LS-MFEZ is Mr Mohammad Nazmi Abdullah, Technical Manager, KTPC. Email is nazmi@khtp.com.my. Secretary is Sofiah Abdullah

Outline and General Information of Organization

a) Brief History

KTPCorp, 100% subsidiary of the Kedah State Development Corporation, is the developer of the Kulim Hi-Tech Park (KHTP). KTPC planned the park to attract technology-related industries primarily in the fields of advanced electronics, mechanical electronics, telecommunications, semiconductors, optoelectronics, biotechnology, advanced materials, research and development and emerging technologies.

KHTP, officially opened in 1996, is the first fully integrated high technology industrial park in Malaysia. The Park is situated in Kulim, Kedah Darul Aman, in the north-west of Peninsular Malaysia and comprises total land area of approximately 1,700 hectares (approximately 4,000 acres). The Park is strategically located about 27 kilometres from the North-Butterworth Container Terminal (NBCT) and about 45 kilometers from Bayan Lepas International Airport by road.

KHTP has six dedicated zones

- Industrial Zone Phase 1 covers an area of 250 hectares and comprises 31 industrial lots with Phase 2 consisting of 14 industrial lots on 226 hectares of land. The park supporting facilities such as the IT Centre, Techno Centre, Research & Development (R & D), administrative are located here.
- Research & Development and Training Zone housing private and public R&D companies such as SIRIM and MIMOS as well as universities
- Residential and Commercial Zone is a RM600 million satellite township spanning 298 hectares currently being developed. It will consist of homes, offices, commercial buildings, shop houses, and shopping centres
- Amenity / Recreation Zone, with a nature park, has a 27-hole golf course and club house, 3 blocks of apartments and 823 bungalow lots
- Urban Zone comprises the town centre, the sub-centre and the neighbourhood centre.
- Institutional Zone comprises public facilities and institutional reserves. Beside primary and secondary schools, the elc-KHTP International School, Tuanku Sultanah Bahiyah Polytechnic and University Kuala Lumpur- Malaysian Spanish Institute are located here. The fire and rescue department as well as the Kulim Hospital are located here.

Source: <http://www.khtp.com.my/> and www.pknk.gov.my

1. Official Development Assistance

1a) History / experience of Technical Cooperation or Loan Assistance by the Government of Japan

a) Development Studies

Study on the Establishment of Kulim High-Tech of Malaysia Industrial Park, Mar 1991 – Mar 1992.
(Implementing Agencies are EPU and Kedah State Development Corporation)

Study on Management & Planning of R & D Sporting Facilities (Techno Centre) for Kulim Hi-Tech Industrial Park in Malaysia, Jun – Jul 1995

b) Third Country Training Programme

Consultant for Lusaka South – Multi Facility Economic Zone (LS-MFEZ) in Zambia

The Government of Zambia, with JICA's technical assistance, has drawn up the Strategic Action Initiative for Economic Development Programme. This programme will be implemented by 12 Task Forces comprising public-private sector offices. The establishment of five Multi-Facility Economic Zones to cater to different is one of them. Over the years Malaysia's has successfully established various economic zones. In particular the Kulim High Tech Park was established with Japanese technical assistance. The experience of Kulim Technology Park Corporation Sdn Bhd (KTPCorp) was utilised by JICA to assist Zambia to establish the LS-MFEZ. In 2008 KTPCorp coordinated the construction of the Master Plan for LS-MFEZ and prepared the Feasibility Study for Phase 1..

2. Technical Cooperation provided by the institution for other developing countries

2a) Year of first involvement Malaysian Technical Cooperation Programme:

Not applicable



6.4 Penang Development Corporation

The Penang Development Corporation (PDC) was established under the Penang Development Corporation Enactment 1971 with the following objectives:

- To spearhead Penang's socio-economic development
- To assist in eradication poverty and creating employment opportunities in Penang
- To improve the quality of life for the people of Penang

PDC, a self-funding semi-government body, concentrates on land development, investment and entrepreneur development as its core activities.

In 2000, PDC was involved in a JICA development study on Strengthening of Supporting Industries in Malaysia through Technology Transfer.

Institutional Information Sheet

6.4.1 Penang Development Corporation (PDC)

Institutional Information Sheet (Date as of: 30/10/2009)

Name of Institution: **Penang Development Corporation (PDC)**

Related Government Ministry/Department: **Penang State Government**

Contact details of Institution (address, tel, fax, email):

Penang Development Corporation (PDC)

No.1, Pesiaran Mahsuri, Bandar Bayan Baru, 11909 Bayan Lepas, Pulau Pinang

Tel: 04-634 0111 Fax: 04-6432405

E-mail : enquiry@pdc.gov.my

Website: <http://www.pdc.gov.my>

Name and position of respondent: **Dato Abdul Rahim Isahak**, Deputy General Manager
Mr Leong Choon Cheong

Contact details of respondent: Tel: 04-6340111

Email: ari@pdc.gov.my; lcc@pdc.gov.my

Outline and General Information of Organization

a) Brief History

Since PDC's establishment in 1969 it has been entrusted with the responsibility of spearheading the development of Penang towards a brighter future. Through industrialisation tourism and trade promotion human resource development and strategic investments as well as working closely with the people the private sector and other government agencies the Corporation has transformed Penang into a state of progress with a resilient economy ready to move forward in the new millennium.

b) Aims and Objectives

Vision

To be the premier State agency in making Penang a better place for all through sustainable socio-economic development.

Mission

To satisfy customer needs, PDC provides quality products and services through positive work values

The Penang Development Corporation (PDC) was established under the Penang Development Corporation Enactment 1971 with the following objectives:

- To spearhead Penang's socio-economic development
- To assist in eradicating poverty and creating employment opportunities in Penang
- To improve the quality of life for the people of Penang

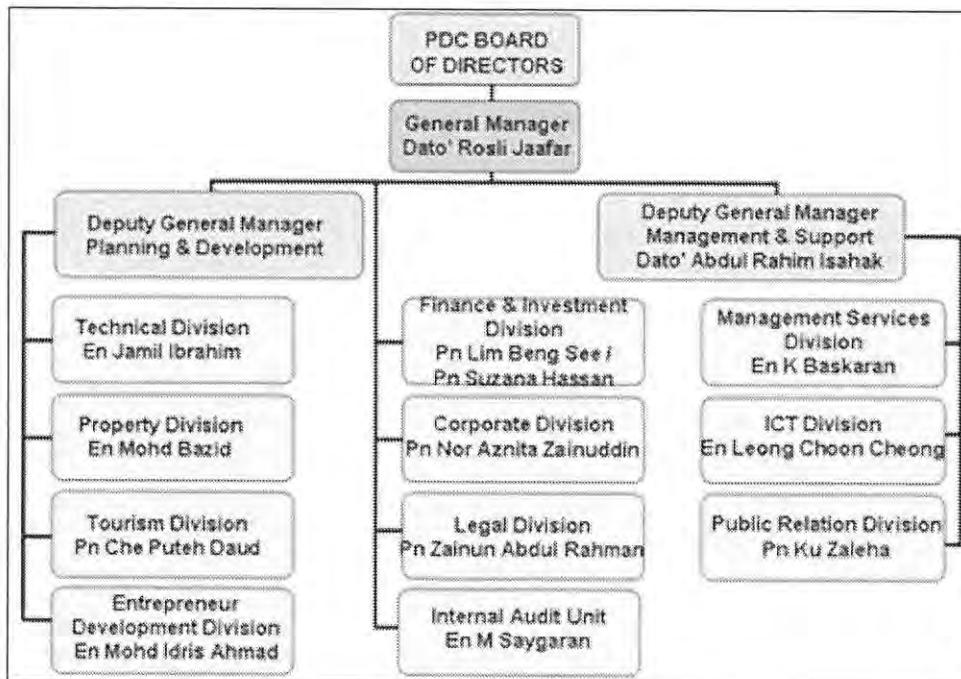
c) Function and Principal activity

PDC, a self-funding semi-government body, concentrates on the following core activities:-

- Land Development
 - Industrial park development
 - New township development

- Housing development
- Urban renewal
- Land acquisition and reclamation
- Tourism product development
- Investment
 - Education
 - Hotel / Recreation
 - Consultancy
 - Health
 - Property Development
 - Construction
 - Aquaculture / Agrotech
 - Events / Property Management
 - Telecommunication
- Entrepreneur Development
 - Support Services
 - Product Promotion and Marketing (Gerak Usahawan Showcase, One Village One Product (OVOP) Showcase)
 - Business Premises
 - Homegrown Training Programs (Mentor Mentee Program (Craft and Ceramic), Tailoring Vendor Program, PCC Incubator Program, Agro-based Program)
 - Ministry-driven training programs (Young Entrepreneur Program, Entrepreneur Pioneer Program, Technopreneur Academy Program)
 - Business Development
 - Franchise Program

d) Organisation Chart



Source: <http://www.pdc.gov.my>

e) Description of specialized fields with the contents of activity

Some Capacity building activities;

Youth Entrepreneurship Programme is implemented with the objective of creating entrepreneurial culture among secondary school students in improving their skills as to start their own business more effectively and cultivating entrepreneur interest as their career choice. Since its implementation in 1998, a total of 6,725 students from 40 schools have been involved with YEP. Selection of the schools is done by the Penang State Education Department.

Entrepreneur Pioneer Program is implemented to cultivate entrepreneur culture among the primary school students. Since it was introduced in 2007, it has been conducted in 6 primary schools involving about 130 students.

IMT-GT SME Conference & Exposition 2007 is hosted by the Ministry of International Trade and Industry (MITI), through the Small and Medium Industry Development Corporation (SMIDEC) with the cooperation of the Penang State Government through PDC. The objectives were to increase the business prospect for SME from Malaysia, Thailand and Indonesia through trade networking and business matching. The conference was attended by 270 participants and 121 business matching sessions were carried out. The total value of the potential sales generated by this event was estimated to be RM27.515 million.

Women and Graduates Franchise Programme with the cooperation of Franchise Nasional aims at creating a quality and competitive women and graduates franchisees in the franchise business. Participants will take the Profiling Test, attend Interview and Training and Guidance Programme for 1 week as well as the Industrial Work Attachment Programme to enable them to obtain financing assistance until they are able to start their own business as a franchisees

Technopreneur Academy Programme was implemented with the cooperation from the Ministry of Entrepreneur Cooperative Development (MECD) and the Multimedia Development Corporation (MDeC). It was design to increase bumiputera participation in business related to information and communication technology (ICT) and assist unemployed bumiputera ICT graduates.

Penang Cyber City Incubator Programme was targeted at creating a new generation of technopreneur and encouraging entrepreneurs to venture into technology oriented businesses, this programme was implemented with the cooperation of USM, MDeC, the Bumiputera Coordination and Participation Division and MARA.

1. Official Development Assistance

1a) History / experience of Technical Cooperation or Loan Assistance by the Government of Japan

a) Loan Development Studies

Study on Strengthening Supporting Industries (SI) through Technology Transfer in Malaysia, Feb 2000 –Feb 2001

The study team identified the existing problems of Malaysia SI by mean of interview, analysed the finding, classified the problems into those to be solved by local companies themselves and those for which external assistance is desirable and compiled recommendation on measures to be implemented by public bodies and SI companies to solved the identified problems.

The study team consisted of 12 experts and was divided into 3 groups

- Group responsible for the formulation of SMI promotion policies (2)
- Group responsible for the survey on SI companies (8)
- Group responsible for the survey on the related problems (2)

103 companies were visited, 17 were selected as model companies

b) Staff sent for training in Japan

Work Position/Title at the time of training	Course attended	Year
Information Technology Executive, Penang Development Corporation	Malaysia Youth Training / Information Technology (IT)	2007

Source: JICA Malaysia Office Data

2. Technical Cooperation provided by the institution for other developing countries

2a) Year of first involvement Malaysian Technical Cooperation Programme:

Not applicable





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