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MINISTRY OF THE ENVIRONMENT AND WATER RESOURCES

OVERVIEW

Mission Statement

To ensure a clean, sustainable environment and water supply for Singapore.

FY2013 EXPENDITURE ESTIMATES

Expenditure Estimates by Object Class

Code	Object Class	Actual FY2011	Estimated FY2012	Revised FY2012	Estimated FY2013	Change over FY2012	
	TOTAL EXPENDITURE	\$1,075,464,294	\$1,303,960,600	\$1,193,699,300	\$1,287,027,100	\$93,327,800	7.8%
	Main Estimates						
	OPERATING EXPENDITURE	\$726,435,186	\$829,926,000	\$829,926,000	\$959,180,600	\$129,254,600	15.6%
	<i>RUNNING COSTS</i>	<i>\$719,114,014</i>	<i>\$821,914,900</i>	<i>\$807,503,800</i>	<i>\$920,469,500</i>	<i>\$112,965,700</i>	<i>14.0%</i>
	Expenditure on Manpower	\$14,916,576	\$18,184,900	\$17,012,000	\$17,324,300	\$312,300	1.8%
1200	Political Appointments	1,180,662	946,600	1,038,400	1,122,000	83,600	8.1
1500	Permanent Staff	13,716,380	17,238,300	15,950,600	16,179,300	228,700	1.4
1600	Temporary, Daily-Rated & Other Staff	19,533	0	23,000	23,000	0	0.0
	Other Operating Expenditure	\$30,752,170	\$29,911,400	\$24,595,500	\$15,906,500	-\$8,689,000	-35.3%
2100	Consumption of Products & Services	28,748,913	26,342,600	21,035,400	12,867,300	-8,168,100	-38.8
2300	Manpower Development	509,005	1,283,400	1,163,400	795,200	-368,200	-31.6
2400	International & Public Relations, Public Communications	1,381,652	2,221,600	2,340,600	2,181,700	-158,900	-6.8
2700	Asset Acquisition	112,600	63,800	56,100	62,300	6,200	11.1
	Grants, Subventions & Capital Injections to Organisations	\$673,445,269	\$773,818,600	\$765,896,300	\$887,238,700	\$121,342,400	15.8%
3100	Grants, Subventions & Capital Injections to Statutory Boards	673,445,269	773,818,600	765,896,300	887,238,700	121,342,400	15.8
	<i>TRANSFERS</i>	<i>\$7,321,172</i>	<i>\$8,011,100</i>	<i>\$22,422,200</i>	<i>\$38,711,100</i>	<i>\$16,288,900</i>	<i>72.6%</i>
3600	Transfers to Institutions & Organisations	3,662,733	3,100,000	17,511,100	33,800,000	16,288,900	93.0
3800	International Organisations & Overseas Development Assistance	3,658,438	4,911,100	4,911,100	4,911,100	0	0.0
	Development Estimates						
	DEVELOPMENT EXPENDITURE	\$349,029,108	\$474,034,600	\$363,773,300	\$327,846,500	-\$35,926,800	-9.9%
5100	Government Development	345,136,771	468,095,600	355,774,700	313,842,200	-41,932,500	-11.8
5200	Grants & Capital Injections to Organisations	3,892,337	5,939,000	7,998,600	14,004,300	6,005,700	75.1

Establishment List

Category/Personnel	Actual FY2011	Estimated FY2012	Revised FY2012	Estimated FY2013
POLITICAL APPOINTMENTS	2	2	2	2
Minister	1	1	2	2
Senior Minister of State	1	1	0	0
PERMANENT STAFF	141	141	143	143
Accounting Profession (2008)	1	1	1	1
Administrative	8	8	8	8
Corporate Support	22	22	22	22
Information Service (2008)	2	2	2	2
Management Executive Scheme (2008)	93	93	95	95
Management Support Scheme (2008)	9	9	9	9
Operations Support	3	3	3	3
Shorthand Writers	3	3	3	3
OTHERS	3,933	4,384	4,363	4,536
National Environment Agency	3,690	4,099	4,071	4,234
Public Utilities Board	243	285	292	302
TOTAL	4,076	4,527	4,508	4,681

FY2012 BUDGET

The Ministry of the Environment and Water Resources (MEWR)'s revised FY2012 total expenditure is \$1.19 billion. This is an increase of \$118.24 million or 11.0% higher than the actual FY2011 expenditure. Of the total expenditure, \$829.93 million or 69.5% is for operating expenditure and \$363.77 million or 30.5% is for development expenditure.

Operating Expenditure

The revised FY2012 operating expenditure of \$829.93 million is \$103.49 million or 14.2% higher than the actual FY2011 sum of \$726.44 million. This increase is largely due to higher expenditure for increased operating cost and expanded work scope in environmental services.

Development Expenditure

The revised FY2012 development expenditure of \$363.77 million is \$14.74 million or 4.2% higher than the actual FY2011 sum of \$349.03 million.

FY2013 BUDGET

The total expenditure of MEWR in FY2013 is projected to be \$1.29 billion, an increase of \$93.33 million or 7.8% above the revised FY2012 expenditure. Of the total expenditure, \$959.18 million or 74.5% is for operating expenditure and \$327.85 million or 25.5% is for development expenditure.

Operating Expenditure

The provision of \$959.18 million for operating expenditure represents an increase of \$129.25 million or 15.6% above the revised FY2012 expenditure. Out of the total operating expenditure, \$920.47 million or 96.0% is for running costs and \$38.71 million or 4.0% is for transfers.

The major share of the operating budget, \$576.22 million (60.1%) will go towards the National Environment Agency Programme. This is followed by the Public Utilities Board Programme which will take up \$312.34 million (32.6%) and the Administration Programme with \$70.62 million (7.3%).

National Environment Agency Programme

The National Environment Agency (NEA) aims to promote and maintain a sustainable clean and healthy environment for Singapore.

For FY2013, the NEA is allocated an operating grant of \$576.22 million. This grant is mainly for the implementation of key programmes to ensure that Singapore continues to have clean air, clean land, clean water and a high standard of public health. This will enable NEA to take the leading role in promoting energy efficiency and the use of cleaner energy technologies; promote waste minimisation and recycling; ensure the efficient disposal of waste; keep public areas free of litter; ensure a high standard of environmental public health; and to build new hawker centres.

Working in partnership with the people, private and public (3P) sectors, the NEA will continue to take the leading role in promoting energy efficiency in the households, transport, building, industry and power generation sectors, and the use of cleaner energy technologies. NEA will also continue to place emphasis on promoting waste minimisation and recycling and ensure the efficient disposal of waste at incineration plants and landfill facility.

NEA will keep public areas free of litter through the integration and management of public area cleaning contracts and ensure a high standard of environmental public health. Vector and food-borne diseases will be kept under control through comprehensive ground surveillance and appropriate preventive measures as well as enhanced vector research.

Public Utilities Board Programme

The Public Utilities Board (PUB) aims to secure an efficient, adequate and sustainable supply of water. For FY2013, PUB is allocated an operating grant of \$312.34 million mainly for the operations and maintenance of drainage systems, ABC Waters and water infrastructure projects.

Development Expenditure

Development expenditure in FY2013 is expected to be \$327.85 million, a decrease of \$35.92 million or 9.9% below the revised FY2012 figure of \$363.77 million.

The major drainage projects to be funded in FY2013 are Improvement to Old Roadside Drains (FY2010-FY2014) (\$55.27 million), Improvement to Bukit Timah First Diversion Canal (\$23.80 million), Improvement to Old Roadside Drains – Batch 6 of Estate Upgrading Programme (\$17.10 million), and Reconstruction of Alexandra Canal Phase 1 (\$13.60 million).

The major sewerage projects to be funded in FY2013 are Sewerage Schemes to Serve Developments in Jurong Eastern Catchment and Jurong Lake District; and Phasing Out of Jalan Bahar, Corporation, Jurong West and International Pumping Stations (\$39.27 million), Sewer Schemes to Serve Marina South, Pasir Ris/Tampines Areas and Phase Out Nee Soon Pumping Station (\$35.70 million), and Rehabilitation of Sewerage Network System Phase 4 (\$28.90 million).

Total Expenditure by Programme

Code	Programme	Running Costs	Transfers	Operating Expenditure	Development Expenditure	Total Expenditure
LA	Administration	33,230,800	37,389,700	70,620,500	1,398,500	72,019,000
LG	Public Utilities Board	312,340,500	0	312,340,500	287,390,300	599,730,800
LH	National Environment Agency	574,898,200	1,321,400	576,219,600	39,057,700	615,277,300
Total		\$920,469,500	\$38,711,100	\$959,180,600	\$327,846,500	\$1,287,027,100

Development Expenditure by Project

Project Title	Total Project Cost	Actual Expenditure up to end of FY2010	Actual FY2011	Estimated FY2012	Revised FY2012	Estimated FY2013
DEVELOPMENT EXPENDITURE	...	...	\$349,029,108	\$474,034,600	\$363,773,300	\$327,846,500
<i>GOVERNMENT DEVELOPMENT</i>	...	...	<i>345,136,771</i>	<i>468,095,600</i>	<i>355,774,700</i>	<i>313,842,200</i>
Administration Programme						
Minor Development Projects	...	...	2,399,854	3,030,000	3,600,000	1,398,500
Public Utilities Board Programme						
Inspection and Rehabilitation of Pumping Mains	49,000,000	40,133,651	775,935	1,000	81,000	8,000
Improvement to Bukit Timah First Diversion Canal	177,600,000	3,506,579	13,572,900	32,000,000	13,700,000	23,800,000
Improvement to Outlet Drain from Sin Ming Road to Braddell Road	26,089,000	3,026,841	3,798,515	9,000,000	9,164,200	3,230,000
Improvement to Tanglin Halt Outlet Drain	47,000,000	39,088,748	405,049	1,000,000	1,072,500	425,000
Improvement to Aljunied Road Outlet Drain	3,770,000	1,918,753	0	1,400,000	395,000	510,000
Upgrading of Pumping Installations	16,000,000	8,462,337	61,506	2,200,000	500,000	2,082,500
Construction of a Barrage Across Marina Channel	277,000,000	265,722,054	2,197,650	3,500,000	1,000,000	85,000
Improvement to Old Roadside Drains in Batch 3 of the Estate Upgrading Programme	26,900,000	20,571,956	704,966	0	34,000	8,500
Relief Sewers for MacPherson Area	4,800,000	2,236,221	167,492	101,000	2,000	42,500
Relief Sewers within Marina Reservoir Catchment	8,000,000	4,591,845	332,589	101,000	9,000	42,500
Rehabilitation of Sewers Phase 3	153,000,000	132,110,752	6,423,274	800,000	1,600,000	8,500
Rehabilitation of Sanitary Drain-Lines in Marina Reservoir Catchment	42,200,000	37,051,745	478,732	800,000	10,000	8,500
Improvement to Old Roadside Drains 5-Year Programme FY2006-FY2010	138,000,000	119,334,976	8,201,041	1,000,000	1,715,300	1,700,000
Sewer Extension to Service Old Yio Chu Kang Road Areas	2,060,000	1,953,985	0	2,000	62,000	900
New Projects	...	...	0	1,664,200	955,700	15,517,200
Demolition of Pumping Stations at Tuas and Loyang Avenue	4,500,000	2,689,461	1,005,533	54,000	54,000	3,400
Improvement to Geylang River Phase 1 - From Dunman Road to Guillemard Road	49,700,000	2,288,289	20,131,875	17,000,000	13,264,700	773,500
Enhancement and Upgrading of Used Water Pumping Installations	11,400,000	7,218,542	2,155,368	400,000	400,000	127,500
Sewer Schemes to serve Marina South & Pasir Ris/Tampines Areas & Phase out Nee Soon Pumping Station	253,700,000	61,384,429	31,819,796	72,200,000	54,700,000	35,700,000

Project Title	Total Project Cost	Actual Expenditure up to end of FY2010	Actual FY2011	Estimated FY2012	Revised FY2012	Estimated FY2013
Improvement to Three Outlet Drains in the Western Part of Singapore	33,000,000	28,477,961	2,819,325	80,000	225,500	42,500
Sewer Extension for North Coast Wafer Fabrication Park Area	17,000,000	15,975,658	293,207	15,000	15,000	900
Improvement to Old Roadside Drains in Batch 5 of Estate Upgrading Programme FY2008-FY2012	78,200,000	54,011,012	4,471,724	300,000	500,100	8,500
Improvement to Sungei Kallang Between Upper Thomson Road and Bishan Road	49,700,000	33,015,001	11,705,898	10,000	327,900	68,000
Improvement to 3 Outlet Drains in Eastern Singapore	24,200,000	8,425,282	3,643,510	100,000	112,700	170,000
Improvement to 4 Outlet Drains in Central Singapore	30,200,000	5,290,226	7,622,709	1,300,000	2,600,000	85,000
Improvement to Geylang River Phase 2	36,000,000	0	72,343	6,000,000	3,600,000	5,100,000
Rehabilitation of Sewerage Network System Phase 4	395,000,000	111,526,236	70,226,282	37,500,000	31,500,000	28,900,000
Relief and Replacement Sewers for Jalan Senang, Siglap and Jalan Leban Areas	4,500,000	1,108,364	1,604,666	150,000	130,000	900
Sewer Extension to Phase Out Sewage Treatment Plants Phase 1	29,000,000	9,921,017	6,107,528	3,701,000	3,701,000	2,600
Marina East Drainage Scheme Phase 1	3,500,000	0	0	500,000	1,650,000	425,000
Improvement to Drains at Benoi Sector Area	11,800,000	79,192	1,813,814	4,000,000	4,502,000	170,000
Relief Sewers at Keng Lee Road, Hougang Avenue 6 Areas and Mandai Estate	3,000,000	644,489	2,062,595	0	200,000	900
Improvement to Rochor Canal (between Jalan Besar and Crawford Street)	42,000,000	45,053	8,602,270	14,000,000	14,073,700	10,200,000
Sewer Extensions to Phase Out Sewage Treatment Plants Phase 2	47,800,000	2,271,203	7,585,457	4,976,000	4,976,000	1,275,000
Improvement to Drains in Syed Alwi Road Area	27,200,000	103,597	5,858,217	9,000,000	6,049,700	2,550,000
Relief Sewers at Lavender Street Area, Serangoon Central Area and Kaki Bukit Area	31,500,000	591,721	6,081,637	6,300,000	6,300,000	3,060,000
Renewal and Relocation of Central Monitoring System for Water Reclamation Network	7,900,000	172,480	3,239,242	1,000,000	1,000,000	221,000
Sewerage Improvement at Jalan Terusan Area	14,000,000	36,305	554,760	2,400,000	2,400,000	850,000
Sewerage Development at Jurong Eastern Catchment and Jurong Lake District	230,000,000	870,593	6,349,287	50,000,000	50,000,000	39,270,000
Improvement to Roadside Drains in Batch 6 of the Estate Upgrading Programme	80,000,000	0	8,634,001	27,000,000	26,597,900	17,102,000
Improvement to Old Roadside Drains 5 Year Programme (FY2010-FY2014)	303,800,000	725,382	22,576,726	43,706,000	45,043,600	55,268,100
Rehabilitation of sanitary drains-lines Punggol Serangoon Reservoir Catchment	28,400,000	738,149	7,957,386	6,000,000	4,200,000	85,000
Expansion of Sewerage Network in International Road and Telok Blangah Road Area	31,900,000	0	294,653	4,000,000	500,000	3,145,000
Road Raising at Orchard Road	28,600,000	6,683,518	13,559,926	500,000	970,000	17,000
Expansion of Sewerage Network in Geylang, Jalan Wangi, Woodlands Industrial Park	16,123,800	0	11,960	2,300,000	400,000	850,000
Sewer Network for Changi East Area	49,677,400	0	97,616	4,000,000	400,000	850,000
Expansion of Sewerage Networks in the Bukit Batok Road and Wan Lee Road/Enterprise Road/Kian Teck Lane Areas	45,186,700	0	10,118	2,000,000	350,000	1,870,000
Expansion of Sewerage Networks in Siglap Road, Whampoa East/Towner Road and Kaki Bukit Areas and Upgrading of Mugliston	21,397,900	0	22,848	2,000,000	220,000	1,742,500

Project Title	Total Project Cost	Actual Expenditure up to end of FY2010	Actual FY2011	Estimated FY2012	Revised FY2012	Estimated FY2013
Expansion of Sewerage Networks in Jalan Rajah/ Sungei Whampoa area	13,700,000	0	6,909	750,000	200,000	467,500
Improvement to Old Roadside Drains - Batch 7 of Estate Upgrading Programme	67,300,000	0	0	2,000,000	1,600,000	11,900,000
Impr Stamford Canal Catchment Lining of Stamford Canal (Cuscaden to Cairnhill Rd) and Diversion of svcs within canal	4,800,000	0	0	0	2,000,000	425,000
Lining of 6m Wide Stamford Canal and Diversion of Newater Pipelines (From Cuscaden Road to Cairnhill Road)	6,900,000	0	0	0	2,000,000	85,000
Proposed Expansion of Sewerage Network in Mandai Road Area	30,000,000	0	0	0	200,000	442,000
Proposed Expansion of Sewerage Network in Kranji Area	30,400,000	0	0	0	20,000	297,500
Impr to Alexandra canal subsidiary drain F (Between Tiong Bahru Rd and Havelock Rd)	27,400,000	0	0	0	0	425,000
Proposed Preliminary Study for Cairnhill Road Sewer Expansion	362,000	0	0	0	5,000	63,800
Expansion of Sewerage Networks in Bedok Reservoir and Changi Business Park Areas	23,400,000	0	0	0	50,000	266,900
Expansion of Sewerage Networks in Mugliston Park, Buangkok Link and Ang Mo Kio Ave 5 Areas	69,700,000	0	0	0	0	127,500
Rehab Stamford Canal (Napier road to Marina Reservoir) and lining of Stamford Canal (6m wide south section from Cuscaden road to Cairnhill road)	2,300,000	0	0	0	0	170,000
Consultancy Services for the Implementation of Diversion Canal and Detention Tank for the Stamford Canal Catchment	17,100,000	0	0	0	0	1,200,000
Expansion of Sewerage Networks in Marina Central Area	17,900,000	0	0	0	0	42,500
Proposed renewal of equipment and upgrading of used water pumping installations	14,770,000	0	0	0	0	42,500
Reconstruction of Alexandra Canal Phase 1	104,200,000	54,978,449	8,170,737	16,800,000	17,686,000	13,600,000
Punggol Town Sewerage Scheme	90,000,000	54,628,579	2,787,661	1,300,000	2,000,000	900
Collector Drains 2 at Changi East Reclamation - Area "A"	98,000,000	19,004,704	0	3,000,000	20,000	425,000
Deep Tunnel Sewerage System Phase 1	3,584,000,000	3,288,494,280	5,410,743	10,000	362,000	5,800
National Environment Agency Programme						
Minor Development Projects	...	...	96,765	0	684,000	799,400
New Projects	...	...	0	31,420,000	0	8,310,000
Consultancy Services for the Development of Semakau Landfill Phase 2	8,000,000	12,750	193,313	373,400	28,700	494,000
5-Year Programme (FY2011 - 2015) for the Redevelopment of Choa Chu Kang Cemetery	54,036,700	0	12,893,116	24,380,000	6,000,000	14,900,000
Implementation of District Pneumatic Refuse Conveyance System (DPRCS) in Marina Bay	16,000,000	0	0	0	0	550,000
Completed Projects	...	...	17,065,745	8,971,000	8,054,500	0
GRANTS & CAPITAL INJECTIONS TO ORGANISATIONS	...	...	3,892,337	5,939,000	7,998,600	14,004,300

Project Title	Total Project Cost	Actual Expenditure up to end of FY2010	Actual FY2011	Estimated FY2012	Revised FY2012	Estimated FY2013
National Environment Agency Programme						
Innovation For Environmental Sustainability (IES) Fund	0	11,977,236	145,869	256,000	415,600	256,000
Grant for Energy Efficient Technologies	22,000,000	554,672	1,719,285	2,800,000	2,800,000	5,700,000
Environment Technology Research Programme	21,000,000	361,903	2,027,184	2,883,000	2,883,000	3,248,300
Implementation of Enhanced Grant for Energy Efficient Technologies (GREET)	24,800,000	0	0	0	1,900,000	4,800,000

KEY PERFORMANCE INDICATORS

Desired Outcomes

- Clean & healthy environment
- Access to clean water
- Good environmental & water infrastructure & services
- Shared environmental ownership
- Long term resource sustainability
- Advancement of Singapore's environment and water strategic and economic interests

Key Performance Indicators

Desired Outcome	Performance Indicator	Actual FY2010	Actual FY2011	Revised FY2012	Estimated FY2013
Clean & healthy environment	% of days in a year where PSI is in the "Good" range ¹	93.2	95.6	92.5	> 85
	No. of air pollution incidents per million population ¹	2.6	2.0	1.5	< 5
	No. of water pollution incidents per million population ¹	1.8	2.8	1.5	< 5
	No. of local dengue (Dengue Fever and Dengue Haemorrhagic Fever) cases per 100,000 population ¹	98.1	98.3	84.7	<130
	No. of food outlet related food poisoning outbreaks per 1,000 food outlets ¹	6.5	6.3	<3.5	<3.5 ²
Access to clean water	% of tests meeting WHO drinking water quality guidelines	100	100	100	100
	Access to improved drinking water sources (%) ³	100	100	100	100
Good environmental & water infrastructure & services	Total domestic waste disposed of per capita (kg/day/person) ^{1,4}	0.86	0.87	0.85	0.86
	Accuracy of 3-hourly Nowcast (%) ¹	89.1	90.4	91	≥90
	% of Unaccounted-for-Water ¹	5.2	4.96	4.7	≤4.9
	No. of leaks per 100km of potable water pipelines per year ¹	5.9	6.6	6.2	6.2
	Size of flood prone area (ha)	56	48	46	36
	No. of sewerage service disruptions per 1,000 km of sewer maintained per month	15	14	13	<18
	Access to improved sanitation (%) ⁵	100	100	100	100
Shared environmental ownership	Per capita domestic water consumption (litres/day) ¹	154.0	153.0	152.0	151.0
Long term resource sustainability	Energy Consumption per dollar GDP: Improvement from 2005 levels (%) ¹	16.3	17.2	NA ⁶	NA ⁷
	Recycling rate (%) ¹	58	59	60	61

¹ Data for this Key Performance Indicator (KPI) is reported in calendar year basis.

² With effect from 2012, Ministry of Health (MOH) will classify whether a food poisoning outbreak is "confirmed", "probably", "possibly", or "unlikely" linked to the implicated food establishment. Hence, data for 2012 onwards will exclude outbreaks verified by MOH to be "unlikely" linked to National Environment Agency (NEA)-licensed food establishments

³ Includes piped water into premises, protected dug well, etc.

⁴ This indicator replaces "Total waste incinerated (mil tonnes/year)". It removes the uncertainty due to the unpredictable population growth rate and provides a better measurement of the desired outcome of providing good environmental service.

⁵ Includes flush/pour flush toilets or latrines connected to a sewer, septic tank, etc.

⁶ Data for 2012 will be available in the 2nd half of 2013. Energy consumption data are collected from many sources and require time to compile.

⁷ Given the dependency of energy intensity on GDP levels, and the uncertain GDP forecasts, it is difficult to make reasonable short term annual projections for energy intensity. However, under the Sustainable Singapore Blueprint (SSB), Singapore is committed to a 35% improvement in energy intensity from 2005 levels by 2030, with an intermediate target of 20% from 2005 levels by 2020.

Desired Outcome	Performance Indicator	Revised FY2012	Estimated FY2013
Advancement of Singapore's environment and water strategic and economic interests	Fulfill Singapore's obligations to regional and international environmental agreements and conventions ¹	(i) Participated in the international committee to consider a legally binding instrument to address the harmful effects of mercury. (ii) Involved in the international process to review the global sustainable development agenda since the Earth Summit in 1992. (iii) Participated in the regional review of the ASEAN Agreement on Transboundary Haze Pollution.	(i) To continue participating in the international committee on mercury with a view to become a party to the proposed international instrument. (ii) To continue to be involved in the global sustainable development process in the follow up to the Rio+20 conference. (iii) To continue doing Singapore's part in the regional actions towards addressing the transboundary haze issue.
	Advance Singapore's environment and water strategic and economic interests through bilateral relations and regional/international initiatives ¹	(i) Chaired the ASEAN Sub-regional Ministerial Steering Committee (MSC) on Transboundary Haze Pollution and led the implementation of the strategic review of the committee including playing an active role in the organization of the 2nd MSC Forum as a platform for government and civil society participation in haze prevention collaboration. (ii) Participated in the annual bilateral meetings with Brunei, Indonesia and Malaysia to reaffirm relations and address issues of mutual interest.	(i) To participate in the implementation of the MSC strategic review and work with other ASEAN and MSC member States to promote efforts to ensure that companies adopt zero burning techniques in land clearing. (ii) To continue bilateral cooperation through bilateral meetings with Brunei, Indonesia and Malaysia under established platforms. (iii) To explore and follow up on various initiatives to establish closer collaboration with other countries.