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Foreword

This is the eleventh issue of the Digest of Environment Statistics prepared by Statistics Mauritius.

It presents in a single report detailed available data concerning the environment. Many of the statistics presented have been gathered from various institutions and thus some of the data may already be available in other publications. The digest covers a wide range of environmental topics in a readily accessible form to provide a handy reference.

The data provided in this publication and covering the period 2003 to 2012, wherever possible, are the latest available. These may be subject to revision in later issues. All data, unless otherwise stated, refer to the Island of Mauritius.

It is hoped that these statistics will prove useful to the public in general, particularly to planners, decision makers and researchers.

The digest has been prepared with the collaboration of the Ministry of Environment and Sustainable Development and several other organisations. The co-operation and assistance of all these organisations are gratefully acknowledged.

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Environment Statistics, 2012

1. Flora

1.1 Forest area

Preservation of forests is vital for the protection of the ecosystem. Total forest area increased marginally by 3 hectares from 47,140 hectares in 2011 to 47,143 hectares in 2012. Some 47% (22,143 hectares) of the total forest area in 2012 was state-owned and the remaining 53% (25,000 hectares) was privately-owned (Table 1.1).

Out of the 22,143 hectares of state-owned forest area, 11,900 hectares (54%) were planted areas while the Black River Gorges National Park and the nature reserves accounted for another 6,574 (30%) and 799 (4%) hectares respectively. Forest area under the category “Pas Geometriques” represented about 631 hectares or 3%. The remaining 9% comprised islets, other nature parks and other forest lands.

The 25,000 hectares of privately-owned forest lands comprised 18,447 (74%) hectares of land that were mostly plantation, forest, scrub and grazing lands. The remaining 6,553 (26%) hectares were mountain, river and nature reserves.

1.2 Land Protected Areas

The land protected areas as shown in Table 1.6 totalled to 14,879 hectares. The Black River Gorges National Park represented 6,574 hectares (44%), the privately owned mountain reserves, 3,800 hectares (26%) and river reserves 2,740 hectares (18%). The nature reserves constituting the islets accounted for 621 hectares (4%).

2. Fauna

2.1 Livestock

The livestock population of cattle, goat, sheep and pig was 52,230 as at December 2012. Goats dominated the livestock population with an estimated population of 27,430 heads (53%), followed by pig, 15,287 (29%), cattle, 7,302 (14%) and sheep, 2,211 (4%) (Table 2.1).

2.2 Agro-industrial production

The production of beef from slaughter of live cattle went down by 1.8% from 2,023 tonnes in 2011 to 1,986 in 2012. The production of goat meat and mutton was 51 tonnes in 2012 compared to 62 tonnes in 2011, representing a decrease of 17.7%. Production of pork went up by 0.5% from 650 tonnes in 2011 to 653 tonnes in 2012.

The production of poultry increased by 0.4% from 47,000 tonnes in 2011 to 47,200 in 2012. Milk production amounted to around 6 million litres in 2012, up by 20% compared to 5 million litres in 2011 (Table 2.3).

2.3 Fish catch and production

The production of fish decreased by 16.6% from 5,270 tonnes in 2011 to 4,393 tonnes in 2012 (Table 2.4). In 2012, fish catch through coastal (artisanal) fishery was around 705 tonnes, representing a drop of 21% over the previous year figure of 892 tonnes. Basket trap accounted for 39% of the total catch, followed by line (26%) and large net (24%) (Table 2.5).

In 2012, the mean catch per fisherman-day was 5.9 kilogram, 14.5% lower than the 2011 figure of 6.9 kilogram (Table 2.8).

2.4 Marine Protected Areas

The 7,216 hectares of marine protected areas consist of marine parks, fishing reserves and wetland. In 2012, the area occupied by the fishing reserves was 6,352 hectares (88.0%), followed by the marine parks, 838 hectares (11.6%) and wetland, 26 hectares (0.4%) (Table 2.17).

3. Atmosphere

3.1 Ambient Air quality

The ambient air quality, as monitored by mobile stations of the Ministry of Environment and Sustainable Development, was assessed in terms of the amount of pollutants present in the ambient air. The main pollutants under investigation in 2012 were dust (particulate matter of size less or equal to 10 microns and total suspended particles), Sulphur Dioxide, Nitrogen Dioxide and Carbon Monoxide.

The results of the monitoring exercise (Table 3.5) indicate that the air quality was at an acceptable level when compared to the existing national standards.

3.2 Greenhouse gas (GHG)

Greenhouse gases (GHG) are gases occurring naturally and resulting from human activities which act much like a glass house. GHG trap heat in the lower levels of the atmosphere, causing the earth's surface to heat up and result in global warming. Carbon dioxide is the main component of greenhouse gas.

3.2.1 Total GHG emissions and removals

Total emissions and removals of greenhouse gases are given in Table 3.6 while the national inventory of GHG emissions and removals by source categories is given in Table 3.9. Both tables indicate that:

- carbon dioxide (CO_2) remains the main contributor of GHG emissions;

- removal of CO_2 increased by 3.3 thousand tonnes from 289.6 thousand tonnes in 2011 to 292.9 thousand tonnes in 2012;

- net CO_2 emissions, after accounting for the removal of CO_2 by forests, increased by 3.0% from 3,351 thousand tonnes in 2011 to 3,452 thousand tonnes in 2012, the increase was due to a rise in emission from the energy sector mainly energy industries (electricity production); and

- the non-carbon dioxide emissions consisted mainly of carbon monoxide and methane.

3.3 Carbon dioxide (CO_2) emission from energy sector (fuel combustion activities)

In 2012, CO_2 emission from the energy sector stood at 3,743 thousand tonnes, up by 2.9% from 3,639 thousand tonnes in 2011. The energy industries (electricity generation) remained the largest source of CO_2 emissions and accounted for nearly 61% (2,281 thousand tonnes) of the total energy sector CO_2 emissions in 2012 (Table 3.8). This is followed by the transport sector which made up 25% (954 thousand tonnes) of the total emissions and the manufacturing industries making up another 9% (331 thousand tonnes).

3.3.1 Energy industries

Carbon dioxide emission from the energy industries (electricity generation) stood at 2,281 thousand tonnes in 2012, compared to 2,206 thousand tonnes in 2011, representing an increase of 3.4% (Table 3.7). This is mainly attributed to a rise in the amount of petroleum products and coal used to produce electricity. In fact electricity generated from petroleum products and coal increased by 1.8% from 2,179 GWh in 2011 to 2,218 GWh in 2012 (Table 6.12).

Table 6.15 shows the different type of fuel used for electricity generation and it indicates that:

- Between 2011 and 2012, fuel input (petroleum products, coal and bagasse) increased by 1.6% from 773 ktoe to 785 ktoe;

- In 2012, coal (51.3%) was the major fuel used to produce electricity followed by fuel oil (26.0%);

- Input of coal increased by 5.2% (from 382.7 ktoe in 2011 to 402.5 ktoe in 2012), while that of fuel oil decreased by 0.7% (from 205.9 ktoe in 2011 to 204.5 ktoe in 2012); and

- Some 172.5 ktoe of bagasse was used to produce electricity in 2012 compared to 179.1 ktoe in 2011, down by 3.7%. This can be attributed to a fall of 6.7% in sugarcane production from 4,230 thousand tonnes in 2011 to 3,947 thousand tonnes in 2012.

Electricity generated from renewable sources increased from 552 GWh to 578 GWh, up by 4.7%. Main changes were as follows: hydro (+31.2%), wind (+28.6%), landfill gas (+5.7%), bagasse (-1.6%). It is to be noted that 17.8 GWh of electricity was produced from landfill gas in 2012, compared to only 3.1 GWh in 2011 as the production started in August 2011. In 2012 some 0.9 GWh of electricity was generated from photovoltaic.

3.3.2 Transport sector

Industrialisation, continuous economic growth and higher standard of living have led to a rapid increase in transport services over the recent years. A number of environmental problems are associated with transport, especially emission of carbon dioxide and other pollutants such as nitrogen oxide, volatile organic compounds, sulphur dioxide and particulate matter.

In 2012, carbon dioxide emission from the transport sector stood at 954 thousand tonnes compared to 922 in 2011, up by 3.5% due to higher fuel consumption by that sector. It is to be noted that the number of registered motor vehicles went up by 5.2% from 400,919 in 2011 to 421,926 in 2012 (Table 6.19). Consequently the energy consumed by land transport increased from 293.1 ktoe to 304.2 ktoe (+3.8%) (Table 6.17).

3.3.3 Manufacturing sector

The manufacturing sector registered a decrease of 1.5% in CO_2 emissions (from 336 to 331 thousand tonnes). This could be explained by a fall in the amount of fuel consumed by the sector from 221.7 ktoe in 2011 to to 215.4 ktoe in 2012 (Table 6.17).

3.4 Non-CO2 emissions

Non-CO_2 emissions were distributed in thousand tonnes as follows: carbon monoxide 68.6, methane 35.9, sulphur dioxide 33.8, oxide of nitrogen 18.8, non-methane volatile organic compounds (NMVOC) 24.6, and nitrous oxide 1.1 (Table 3.6).

3.5 Ozone-depleting substances

The consumption of the controlled ozone-depleting substances namely hydro-chlorofluorocarbon (HCFC's) decreased by 19.7% from 157 metric tonnes in 2011 to 126 metric tonnes in 2012 (Table 3.12).

4. Water

Water, being a basic support element for human life and ecosystems, is of vital environmental and biological importance.

4.1 Water balance

In 2012, the Island of Mauritius received 3,001 million cubic metres (Mm^3) of precipitation (rainfall), compared to 3,627 Mm^3 obtained in 2011 (-17.3%). Only 10 % of the precipitation went as ground water recharge, while evapotranspiration and surface runoff accounted for 30% and 60% respectively (Table 4.4).

4.2 Water utilization

Total water utilisation was estimated at 800 Mm^3 in 2012. Around 85% of the total water utilisation was met by surface water and the remaining 15 % by ground water.

The agricultural sector accounted for 46% of the water utilised (365 Mm^3), hydropower 27% (218 Mm^3), domestic, industrial and tourism sector, 27% (217 Mm^3) (Table 4.5).

Water utilisation increased by 6.4 %, from 752 in 2011 to 800 Mm^3 in 2012, with increases in each sector as follows:-

- domestic, industrial and tourism: 0.9%
- hydropower: 20.4% , and
- Agriculture: 2.5%.

4.3 Water consumption

The daily per capita domestic water consumption went down from 162 litres in 2011 to 160 litres in 2012. The daily per capita potable water consumed decreased from 212 litres to 207 litres (Table 4.13).

5. Land

5.1 Land use

Land use refers to the main activity taking place on an area of land, for example, farming, forestry or housing. Based on latest available data on land use (Table 5.1 and Figure 16) sugar cane plantations occupied 39% (72,000 hectares) of the total land area of the Island of Mauritius in 2005, forest, scrubs and grazing lands 25% (47,200 hectares) and built up areas another 25% (46,500 hectares).

During the period 1995 to 2005, the land occupied by sugarcane, tea plantations and forestry decreased mainly at the expense of built up areas.

5.2 Fertilisers and pesticides

Intensive use of chemical based fertilizers and other agro-chemicals may contribute to the pollution of the environment through the leaching of nitrate to ground water.

Between 2011 and 2012,

- import of fertilisers fell by 3.0% from 54,356 to 52,739 tonnes and
- import of pesticides dropped by 8.2% from 2,272 to 2086 tonnes (Table 5.5).

5.3 Waste disposal

The total amount of solid waste landfilled at Mare Chicose decreased to 387,926 tonnes in 2012 from 414,543 tonnes in 2011, down by 6.4 % (Table 5.10). The drop in the amount of solid waste disposed at the Mare Chicose landfill can be attributed to waste supplied for composting at La Chaumiere Compost Plant.

Domestic waste constituted 94% of the total solid waste landfilled in 2012.

5.4 Environmental Impacts Assessment (EIA) Licenses and Preliminary Environmental Report (PER) Approvals

In 2012, some 26 EIA licences were granted of which 10 were for coastal hotels and related works, 7 for land parcelling (morcellement) and 4 for development in port area (Table 5.11).

During the same period, 34 PER approvals were issued out of which 12 were for industrial development, 7 for poultry rearing and 4 for livestock rearing (Table 5.12).

6 Human settlement

6.1 Energy

While being an essential ingredient for the economic development and for the well being of the population, energy-related activities are also a source of major concern for the environment. They are by far the most important contributors of air pollutants, through the emission of carbon dioxide and other greenhouse gases.

***6.1.1** Total primary energy requirement*

Total primary energy requirement, also known as Total Primary Energy Supply (TPES), is obtained as the sum of imported and locally available fuels less re-exports and bunkering, after adjusting for stock changes.

In 2012, total primary energy requirement was 1,459 ktoe, showing an increase of 2.2% compared to 1,427 ktoe in 2011(Table 6.13) thus, resulting in an increase of 1.8% in the per capita primary energy requirement from 1.11 toe in 2011 to 1.13 toe.

6.1.1.1 Primary energy requirement from fossil fuel

Around 85% (1,237 ktoe) of the total primary energy requirement was met from imported fossil fuels (petroleum products and coal) in 2012 compared to 84% (1,196 ktoe) in 2011. The share of the different fossil fuels within the total primary energy requirement in 2012 was as follows: coal (28.7%), diesel oil (14.6%), dual purpose kerosene (kerosene and aviation fuel) (10.3%), gasolene (9.4%), and LPG (5.0%).

Energy supply from petroleum products increased by 2.5% from 798 ktoe in 2011 to 818 ktoe in 2012. It comprised mainly fuel oil (30.0%), diesel oil (26.1%), aviation fuel (17.9%), gasolene (16.7%) and LPG (8.9%). Supply of coal increased by 5.0% from 398 ktoe in 2011 to 418 ktoe in 2012 (Table 6.13).

6.1.1.2 Primary energy requirement from local sources (renewable)

In 2012, around 15% (222 ktoe) of the total primary energy requirement was obtained from local renewable sources namely: hydro, wind, landfill gas, photovoltaic, bagasse and fuelwood. Bagasse contributed around 93% of the local renewable sources while hydro, wind, landfill gas, photovoltaic and fuelwood accounted for the remaining 7%. It is to be noted that, in 2012, some (0.1 ktoe) of the primary energy requirement was met from photovoltaic.

6.1.2 Energy Intensity

'Energy intensity' defined as total primary energy requirement (toe) per Rs 100,000 of GDP (in year 2000 rupees) provides a measure of the efficiency with which energy is being used in production. Energy intensity stood at 0.75 in 2012 compared to 0.76 in 2011 (Table 6.12).

6.1.3 Final energy consumption

Final energy consumption increased by 2.8% from 862 ktoe in 2011 to 886 ktoe in 2012. "Transport" and "Manufacturing" were the two largest energy-consuming sectors accounting for 51.8% and 21.3% of energy consumed respectively. They were followed by "Household" (13.6%), "Commercial and Distributive Trade" (9.4%) and "Agriculture" (0.5%) (Table 6.17).

6.2 Complaints

Effective environmental management needs appropriate coordination and monitoring of environmental problems. The Ministry of Environment and Sustainable Development is entrusted to address environmental complaints received from the general public.

Table 6.32 lists the number of complaints by category received by the Pollution Prevention and Control Division of the Ministry of Environment and Sustainable Development. The number of complaints received decreased by 9.4% from 731 in 2011 to 662 in 2012. The complaints were namely: noise (20%), air pollution (16%), solid waste (15%), odour (12%) and waste water (11%).

6.3 Contraventions

In 2012, the Police de L'Environnement issued 2,540 contraventions of which illegal littering accounted for 72% (1,827). During the period January to May 2012, some 60 notices were issued to drivers of vehicles emitting black smoke (Table 6.33). After the introduction of the smoke meter in June 2012, the Police de L'Environnement started to issue contraventions instead of notices to drivers of vehicles emitting heavy smoke and from June to December 2012 some 73 contraventions were issued.

Main environment indicators, 2003, 2011 and 2012

Indicator	Units	2003	2011	2012 [1]
1. Forest area	ha	56,608	47,140	47,143
2. Total forest area as a % of total land area	%	30.4	25.6	25.3
3. Irrigated land	ha	21,619	19,886	19,459
4. Land Protected Areas	ha	13,973	14,879	14,879
5. Marine Protected Areas	ha	7,216	7,216	7,216
6. Threatened plant species (NPCS)[2]	%	…	88	88
7. Threatened animal species (NPCS)[2]	%	…	89	89
8. Total fish catch	tons	9,709	5,270	4,393
9. Mean catch per fisherman day	kg	4.3	6.9	5.9
10. Total carbon dioxide emission	Gg or Thousand Tonnes	2,783.5	3,640.3	3,745.1
11. Per capita carbon dioxide emission	tons	2.3	2.8	2.9
12. Mean annual rainfall	millimetres	2,148	1,945	1,609
13. Annual fresh water abstraction	Mm^3	725	571	582
14. Daily per capita domestic water consumption	litres	166	162	160
15. Daily per capita solid waste disposed at landfill	Kg	0.86	0.91	0.85
16. Total electricity generated	GWh	2,082	2,730	2,796
17. Electricity generated from renewable sources	%	27.2	20.2	20.7
18. Total primary energy requirement	ktoe	1,222.8	1,426.9	1,458.8
19. Primary energy requirement from renewable sources	%	21.8	16.2	15.2
20. Per capita primary energy requirement	toe	1.0	1.1	1.1
21. Per capita final energy consumption	toe	0.67	0.67	0.69
22. Energy intensity	toe per Rs 100,000 GDP at 2000 prices	0.90	0.76	0.75

[1] Provisional

[2] National Parks and Conservation Service

CHAPTER 1

FLORA

Table 1.1 - Forest area by category, 2003 - 2012

Hectares

Category	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
State - owned lands	**22,068**	**22,200**	**22,185**	**22,181**	**22,176**	**22,159**	**22,159**	**22,159**	**22,140**	**22,143**
Plantations	12,256	11,816	11,828	11,848	11,878	11,855	11,901	11,916	11,897	11,900
Nature reserves	799	799	799	799	799	799	799	799	799	799
Mainland	*200*	*200*	*200*	*200*	*200*	*200*	*200*	*200*	*200*	*200*
Islets	*599*	*599*	*599*	*599*	*599*	*599*	*599*	*599*	*599*	*599*
Black River Gorges National Park	6,574	6,574	6,574	6,574	6,574	6,574	6,574	6,574	6,574	6,574
Bras D'Eau National park[1]	….	472	472	472	472	472	472	472	497	497
Islet National Park[2]	….	134	134	134	134	134	134	134	134	134
Vallee D'Osterlog Endemic Garden[3]	….	….	….	….	275	275	275	275	275	275
Other Forest Lands	1,804	1,770	1,743	1,719	1,413	1,419	1,373	1,358	1,333	1,333
Pas Geometriques	635	635	635	635	631	631	631	631	631	631
Plantations	*226*	*226*	*226*	*226*	*222*	*222*	*222*	*222*	*222*	*222*
Leased for grazing and tree planting	*230*	*230*	*230*	*230*	*230*	*230*	*230*	*230*	*230*	*230*
Others (mostly rocky)	*179*	*179*	*179*	*179*	*179*	*179*	*179*	*179*	*179*	*179*
Privately - owned lands	**34,540**	**25,000**	**25,000**	**25,000**	**25,000**	**25,000**	**25,000**	**25,000**	**25,000**	**25,000**
Reserves	6,553	6,553	6,553	6,553	6,553	6,553	6,553	6,553	6,553	6,553
Mountain reserves	3,800	3,800	3,800	3,800	3,800	3,800	3,800	3,800	3,800	3,800
River reserves	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740
Nature reserves	13	13	13	13	13	13	13	13	13	13
Other[4]	27,987	18,447	18,447	18,447	18,447	18,447	18,447	18,447	18,447	18,447
Total	**56,608**	**47,200**	**47,185**	**47,181**	**47,176**	**47,159**	**47,159**	**47,159**	**47,140**	**47,143**

Source : Forestry Service, Ministry of Agro Industry and Food Security.

[1]Bras D'Eau & Poste La Fayette Reserves was proclaimed Bras D'Eau National park in 2011.

[2]Islet National Park was proclaimed in 2004.

[3] Vallee D'Osterlog Endemic Garden was proclaimed in 2007.

[4]Includes plantations, forest lands, scrub and grazing lands.

Table 1.2 - Changes in forest-land cover, 2003 and 2012

	Area (hectares)		% of total land area	
	2003	**2012**	**2003**	**2012**
Forests lands : of which	**56,608**	**47,143**	**30.4**	**25.3**
State owned	22,068	22,143	11.8	11.9
Plantations	*12,256*	*11,900*	*6.6*	*6.4*
Land Protected areas and Nature reserves	*7,373*	*8,279*	*4.0*	*4.4*
Other Forest Land	*1,804*	*1,333*	*1.0*	*0.7*
Pas Geometriques	*635*	*631*	*0.3*	*0.3*
Privately owned lands [1]	34,540	25,000	18.5	13.4
Reserves (land protected areas)	*6,553*	*6,553*	*3.5*	*3.5*
Other	*27,987*	*18,447*	*15.0*	*9.9*

[1] include plantations, reserves, scrub and grazing lands.

Table 1.3 - Local production, imports and consumption of timber, poles and fuelwood, 2003 - 2012

cubic metre (roundwood)

Year	2003	2004	2005	2006	2007	2008	2009	2010	2011 [1]	2012 [2]
Local Production	**14,007**	**13,973**	**12,098**	**14,532**	**13,952**	**10,885**	**10,531**	**14,328**	**10,960**	**6,616**
Timber	4,565	5,057	4,818	6,869	5,332	4,330	3,807	3,696	3,207	2,344
State Lands	*3,730*	*4,587*	*4,628*	*6,067*	*4,874*	*4,260*	*3,762*	*3,231*	*3,077*	*2,154*
Private Lands [3]	*835*	*470*	*190*	*802*	*458*	*70*	*45*	*465*	*130*	*190*
Poles	2,976	3,111	2,187	1,605	1,553	1,284	1,242	1,220	1,281	792
State Lands	*1,911*	*2,356*	*1,677*	*1,060*	*1,022*	*1,002*	*1,102*	*787*	*1,098*	*480*
Private Lands [3]	*1,065*	*755*	*510*	*545*	*531*	*282*	*140*	*433*	*183*	*312*
Fuelwood	6,466	5,805	5,093	6,058	7,067	5,271	5,482	9,412	6,472	3,480
State Lands	*5,189*	*5,170*	*4,578*	*4,765*	*6,116*	*5,089*	*5,202*	*8,217*	*5,965*	*2,956*
Private Lands [3]	*1,277*	*635*	*515*	*1,293*	*951*	*182*	*280*	*1,195*	*507*	*524*
Imports of timber [4]	**65,558**	**108,677**	**111,764**	**89,085**	**132,503**	**120,311**	**78,395**	**95,870**	**113,420**	**71,905**
Total Consumption [5]	**79,565**	**122,650**	**123,862**	**103,617**	**146,455**	**131,196**	**88,926**	**110,198**	**124,380**	**78,521**

Source : Forestry Service, Ministry of Agro Industry and Food Security.

[1] Revised

[2] Provisional

[3] Estimates

[4] Roundwood equivalent

[5] Excludes plywood, paper and other wood products.

Table 1.4 - Forest fires and area affected, 2003 - 2012

Year	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Number of incidents	27	14	16	26	25	26	14	46	31	28
Area affected (Ha)	134	93	61	94	154	136	123	188	96	154
of which										
Protected areas	*13*	*-*	*4*	*8*	*4*	*1*	*-*	*53*	*10*	*22*
Unprotected areas	*121*	*93*	*57*	*86*	*150*	*135*	*123*	*135*	*86*	*132*

Source : Forestry Service, Ministry of Agro Industry and Food Security.

Figure 1 - Forest fires and area affected, 2003 - 2012

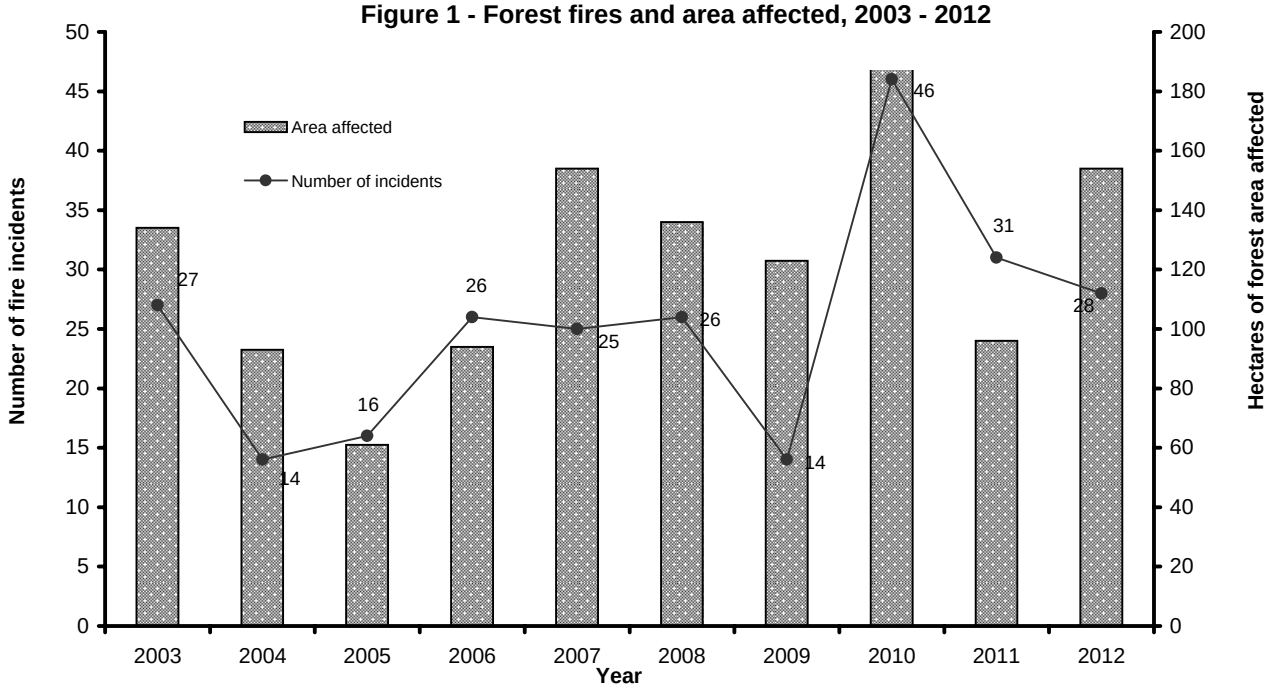


Table 1.5 - Silvicultural operations carried out in state forest land plantation, 2003 - 2012

Hectares

Type of operation	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Clearing for planting	56	97	107	54	56	90	96	37	34	24
Planting	110	110	92	80	50	96	90	55	34	34
Weeding	402	300	282	266	174	195	199	206	165	159
Recruiting	391	298	222	257	208	202	170	209	148	137
Staking	30	15	35	44	214	20	3	14	-	2
Cleaning	744	586	484	331	417	307	239	223	267	221
Pruning	89	46	49	26	5	27	5	5	7	10

Source : Forestry Service, Ministry of Agro Industry and Food Security.

Table 1.6 - List of land protected areas, Republic of Mauritius, 2012

Hectares

Land protected areas	Area
Black River Gorges National Park	**6,574**
Bras D'Eau National Park	**497**
Vallee D'Osterlog Endemic Garden	**275**
Nature reserves (mainland)	**225**
Pouce	69
Perrier	2
Bois Sec	6
Gouly Pere	11
Corps de Garde	90
Cabinet	18
Les Mares	5
Grande Montagne (Rodrigues)	14
Anse Quitor (Rodrigues)	10
Islet National Park	**134**
Nature reserves (Islets)	**621**
Gunner's Quoin	76
Iles aux Aigrettes	25
Iles aux Serpents	31
Flat Island	253
Round Island	169
Gabriel Island	42
Illot Marianne	2
Iles aux Cocos (Rodrigues)	15
Iles aux Sables (Rodrigues)	8
Mountain Reserves (all privately owned)	**3,800**
River reserves (all privately owned)	**2,740**
Nature reserves (privately owned)	**13**
Mondrain	5
Sir Emile Series	8
Total	**14,879**

Source : Forestry Service, Ministry of Agro Industry and Food Security.

Table 1.7 - Number of offences detected against forest laws [1] by category, 2003 - 2012

Category	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Unauthorised felling/removal	53	67	67	86	87	85	71	37	79	68
Illegal possession of wood	-	-	-	3	1	1	-	1	-	-
Encroachment	20	16	12	9	16	20	9	2	3	-
Illegal deposit of stones/materials	24	9	12	14	19	19	10	13	19	10
Illegal possession of implements	-	2	-	3	2	1	-	-	3	1
Erection of structures and others	10	5	20	18	13	3	11	14	22	14
Total	**107**	**99**	**111**	**133**	**138**	**129**	**101**	**67**	**126**	**93**

Source : Forestry Service, Ministry of Agro Industry and Food Security.

[1] include cases taken to court, treated departmentally, outstanding and in which offenders were unknown.

Figure 2 - Number of offences against forest laws by category, 2003 - 2013

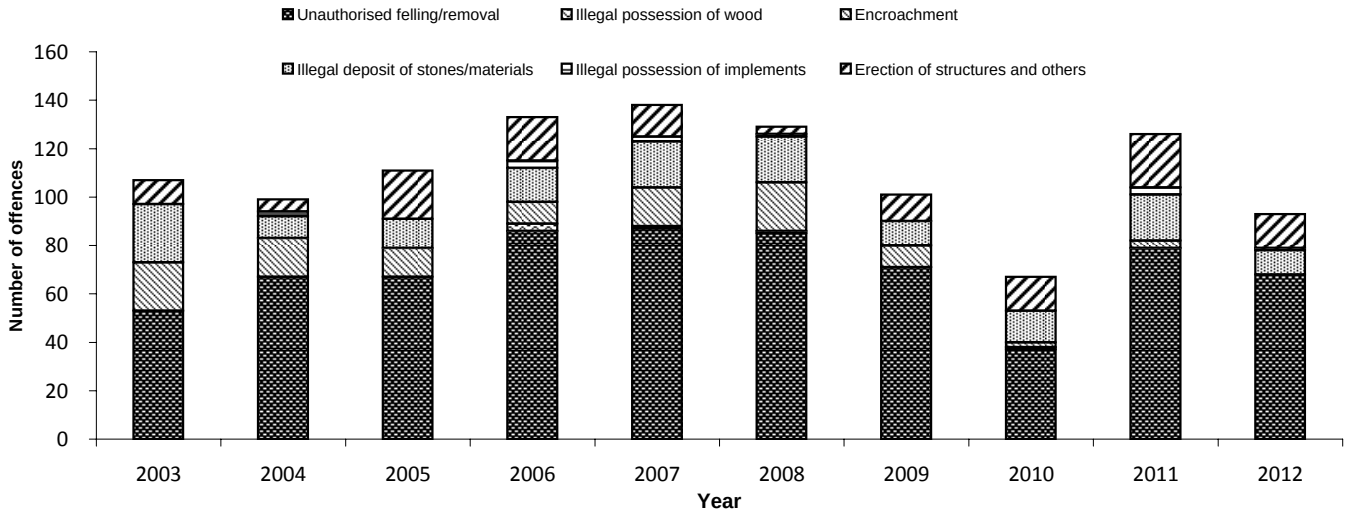


Table 1.8 - Forest plantations [1] by type of plants, 2003 - 2012

Hectares

Type of plant	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Soft wood										
Pine	8,113	8,136	8,143	8,162	8,195	8,165	8,197	8,199	8,176	8,179
Other softwood	1,609	1,609	1,612	1,613	1,613	1,617	1,624	1,637	1,637	1,637
Hardwood										
Eucalyptus and Casuarina	1,921	1,450	1,450	1,450	1,443	1,443	1,443	1,443	1,443	1,443
Other hardwood	839	847	849	849	849	852	859	859	863	863
Total	**12,482**	**12,042**	**12,054**	**12,074**	**12,100**	**12,077**	**12,123**	**12,138**	**12,119**	**12,122**

Source : Forestry Service, Ministry of Agro Industry and Food Security.

[1] State land

Figure 3 - Percentage composition of forest plantations, 2012

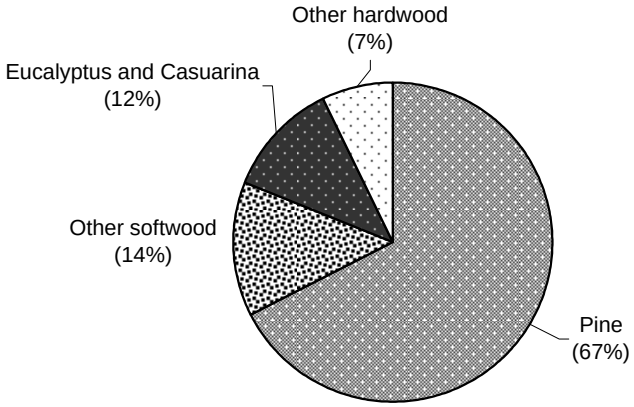


Table 1.9 - Number of seedlings raised by species at the nurseries of the Forestry Service, 2003 - 2012

Species	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Pine	313,293	133,162	222,975	203,594	170,840	256,748	150,216	130,988	80,497	25,872
Eucalyptus	10,000	11,400	12,535	20,950	5,000	7,700	20,500	9,925	9,275	22,226
Cryptomoria	6,265	14,722	8,820	455	1,382	1,688	1,852	4,766	13,777	9,298
Casuarina (Filao)	32,650	6,449	-	5,091	6,000	5,550	8,200	18,810	2,315	4,300
Araucaria	19,291	5,098	1,026	20,578	22,780	21,776	58,641	5,430	3,820	40,457
Juniper	-	55	-	7	-	423	114	160	265	228
Other [1]	231,219	189,397	264,990	279,615	200,578	197,135	267,384	250,149	301,899	219,273
Total	**612,718**	**360,283**	**510,346**	**530,290**	**406,580**	**491,020**	**506,907**	**420,228**	**411,848**	**321,654**

Source : Forestry Service, Ministry of Agro Industry and Food Security.

[1] includes ornamentals and indigenous forest trees.

Figure 4 - Number of seedlings raised by species at the nurseries of the Forestry service, 2003 - 2012

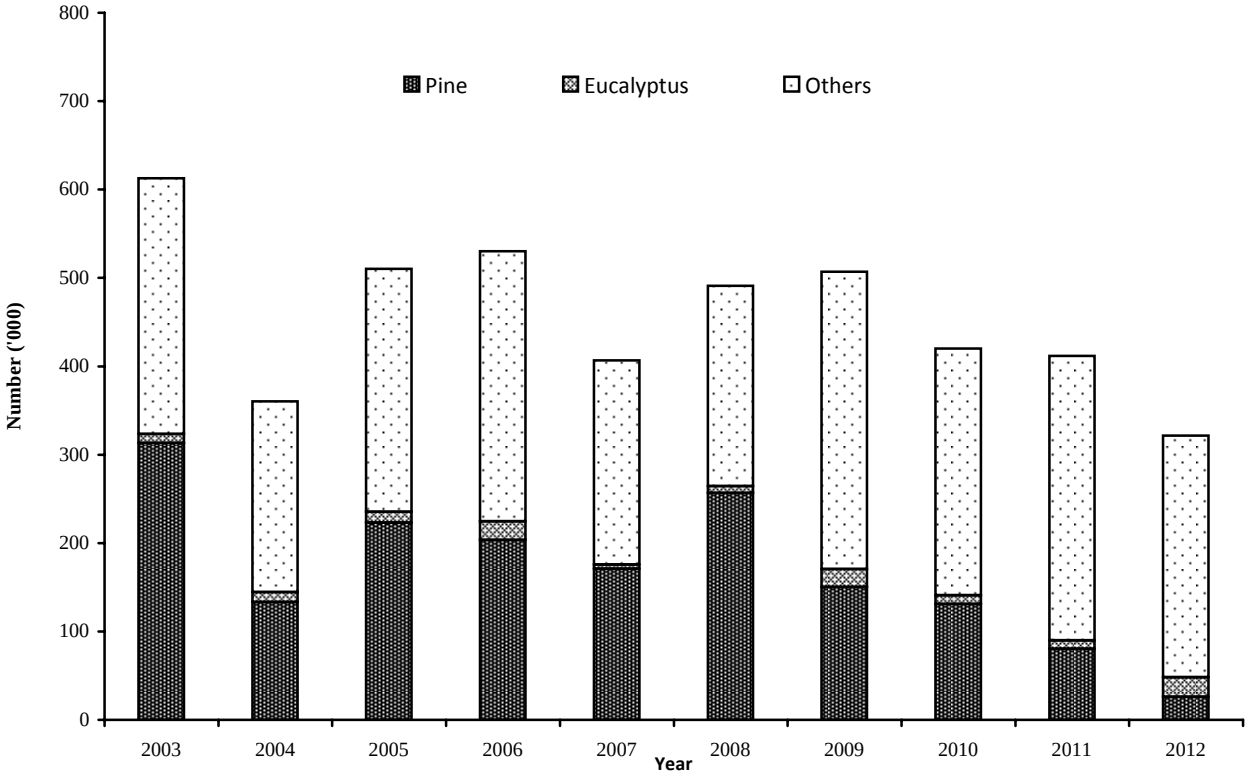


Table 1.10 - Number of plants issued free and sold to the public by the Forestry Service, 2003 - 2012

Year	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Free issue	18,181	11,820	13,888	34,476	22,292	20,275	27,546	39,934	26,398	26,549
Sold	138,320	129,768	107,573	108,933	71,779	84,451	83,801	60,425	89,132	67,307

Source : Forestry Service, Ministry of Agro Industry and Food Security.

Figure 5 - Number of plants issued free and sold to the public by the Forestry Service, 2003 -2012

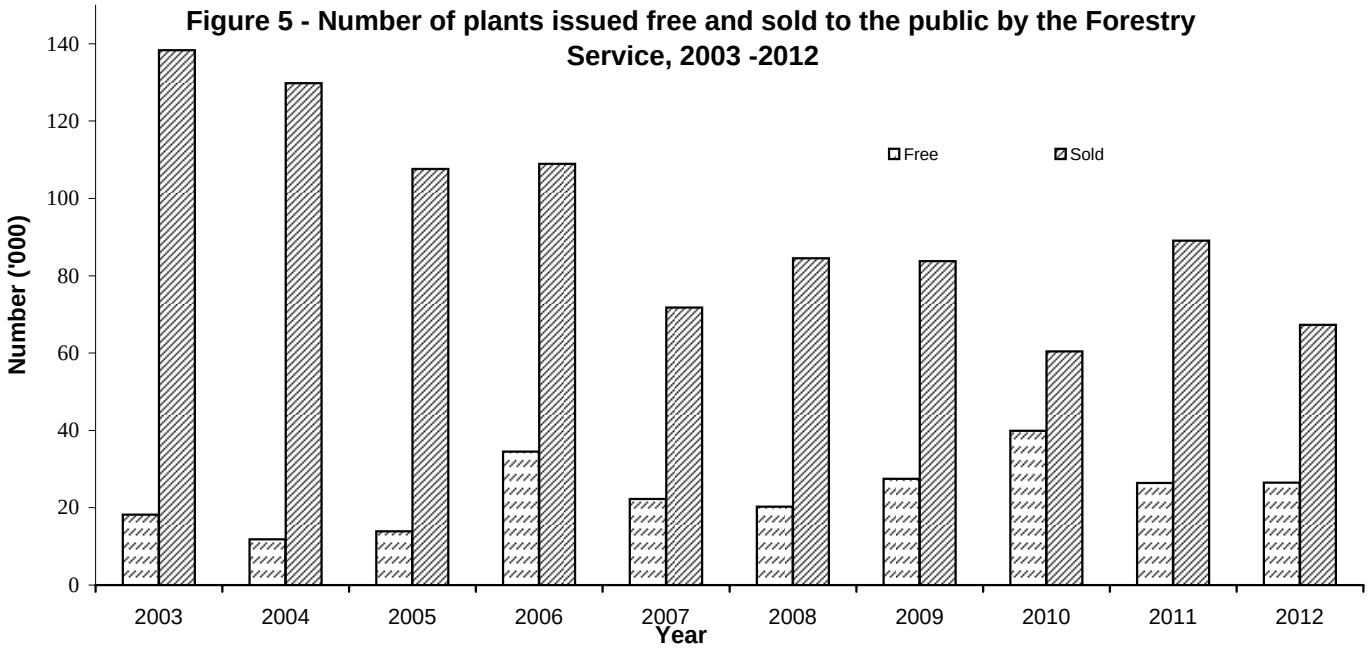


Table 1.11 - Revenue and expenditure[1] of the Forestry Service, 2003 - 2012

Rupees thousand

Revenue item	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Sales of forest produce	7,494	8,216	8,093	9,122	9,309	9,125	8,923	7,463	9,132	7,003
Shooting and fishing rights (Rental & Registration)	3,157	3,357	5,087	4,924	6,802	7,015	7,196	7,287	7,035	7,692
Agricultural Lease	-	-	-	-	-	3	3	3	3	3
Horticulture Lease	-	-	-	-	24	-	-	-	-	-
Miscellaneous (Wood exploitation licence)	212	213	213	219	198	204	204	213	216	213
Total revenue	**10,863**	**11,786**	**13,393**	**14,265**	**16,333**	**16,347**	**16,326**	**14,966**	**16,386**	**14,911**
Total expenditure	**137,738**	**147,595**	**148,221**	**152,851**	**146,985**	**155,000**	**164,668**	**184,164**	**170,877**	**172,482**

Source : Forestry Service, Ministry of Agro Industry and Food Security.

[1]Total expenditure including both recurrent and capital expenditures.

Table 1.12 - Selling rates of timber by type, class [1] and category [2], 2003 - 2012

Rupees per cubic metre

Item	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Standing timber (basic royalty)										
Class I	1,810	1,960	1,960	2,160	2,160	2,160	2,160	2,160	2,380	2,380
Class II	1,110	1,200	1,200	1,320	1,320	1,320	1,320	1,320	1,455	1,455
Class III										
Category I	*880*	*950*	*950*	*1,050*	*1,050*	*1,050*	*1,050*	*1,050*	*1,155*	*1,155*
Category II	*715*	*770*	*770*	*850*	*850*	*850*	*850*	*850*	*935*	*935*
Class IV	330	360	360	400	400	400	400	400	440	440
Sound logs at roadside (basic royalty and labour)										
Class I	2,640	2,850	2,850	3,140	3,140	3,140	3,140	3,140	3,455	3,455
Class II	1,950	2,110	2,110	2,320	2,320	2,320	2,320	2,320	2,555	2,555
Class III										
Category I	*1,810*	*1,960*	*1,960*	*2,160*	*2,160*	*2,160*	*2,160*	*2,160*	*2,380*	*2,380*
Category II	*1,530*	*1,650*	*1,650*	*1,820*	*1,820*	*1,820*	*1,820*	*1,820*	*2,005*	*2,005*
Class IV	1,190	1,290	1,290	1,420	1,420	1,420	1,420	1,420	1,565	1,565
Sound logs at Curepipe timber store (basic royalty, labour and transport)										
Class I	3,900	4,210	4,210	4,630	4,630	4,630	4,630	4,630	5,095	5,095
Class II	3,200	3,460	3,460	3,810	3,810	3,810	3,810	3,810	4,195	4,195
Class III										
Category I	*2,780*	*3,000*	*3,000*	*3,300*	*3,300*	*3,300*	*3,300*	*3,300*	*3,630*	*3,630*
Category II	*2,220*	*2,400*	*2,400*	*2,640*	*2,640*	*2,640*	*2,640*	*2,640*	*2,905*	*2,905*
Class IV	1,950	2,110	2,110	2,320	2,320	2,320	2,320	2,320	2,555	2,555

Source : Forestry Service, Ministry of Agro Industry and Food Security.

[1] Quality of wood, in decreasing order from Class I to Class IV.

[2] Category I - timber of 24 cm diameter and above ;
Category II - timber of 18 cm to less than 24 cm diameter.

Table 1.13 - Proportion (%) of households using main fuel for cooking, 2000 and 2011

Housing Censuses, Republic of Mauritius

Main fuel for cooking	2000	2011
Cooking Gas (LPG)	91.5	97.6
Electricity	0.5	0.3
Wood and charcoal	4.5	1.9
Kerosene	3.4	0.1

CHAPTER 2

FAUNA

Table 2.1 - Number of small breeders and livestock population by geographical district as at December 2012

District	Cattle		Goat		Sheep		Pig	
	No. of farmers	Total no. of heads	No. of farmers	Total no. of heads	No. of farmers	Total no. of heads	No. of farmers	Total no. of heads
Pamplemousses	125	498	549	4,669	29	428	36	850
Riviere du Rempart	225	1,865	595	5,639	50	795	38	427
Flacq	177	578	884	7,242	32	217	64	2,497
Plaines Wilhems	85	741	82	1,115	5	118	19	857
Moka	80	1,428	52	525	-	-	10	444
Grand Port	103	727	256	2,424	12	126	51	975
Savanne	72	669	209	1,956	23	240	30	344
Black River/Port Louis	86	796	306	3,860	11	287	191	8,893
Total	**953**	**7,302**	**2,933**	**27,430**	**162**	**2,211**	**439**	**15,287**

Source : Agricultural Research and Extension Unit, Ministry of Agro Industry and Food Security.

Table 2.2 - Livestock herd and poultry status by geographical district as at December 2012

District	Cattle						Pig						
	No. of farmers	Cows	Calves	Heifers	Bulls	Total no. of heads	No. of farmers	Boars	Sows	Piglets	Fatteners	Gilts	Total no. of heads
Pamplemousses	125	194	10	147	147	498	36	27	161	172	407	83	850
Riviere du Rempart	225	628	212	294	731	1,865	38	19	62	135	181	30	427
Flacq	177	213	33	183	149	578	64	36	219	470	1,711	61	2,497
Plaines Wilhems	85	293	32	229	187	741	19	23	136	243	417	38	857
Moka	80	769	66	258	335	1,428	10	12	83	121	198	30	444
Grand Port	103	487	29	100	111	727	51	41	225	235	372	102	975
Savanne	72	195	73	179	222	669	30	20	71	92	111	50	344
Black River/Port Louis	86	243	78	146	329	796	191	167	1,387	2,254	4,990	95	8,893
Total	**953**	**3,022**	**533**	**1,536**	**2,211**	**7,302**	**439**	**345**	**2,344**	**3,722**	**8,387**	**489**	**15,287**

Source : Agricultural Research and Extension Unit, Ministry of Agro Industry and Food Security.

Table 2.2 (cont'd) - Livestock herd and poultry status by geographical district as at December 2012

District	Sheep					Goat					Poultry [1]			
	No. of farmers	Ewes	Ram	Followers	Total no. of heads	No. of farmers	Bucks	Does	Kids	Total no. of heads	No. of farmers	Broilers	No. of farmers	Layers
Pamplemousses	29	101	24	303	428	549	1,726	2,342	601	4,669	29	32,190	37	24,196
Riviere du Rempart	50	233	82	480	795	595	1,361	3,033	1,245	5,639	42	74,757	27	21,360
Flacq	32	77	29	111	217	884	2,490	3,015	1,737	7,242	93	59,337	99	23,885
Plaines Wilhems	5	69	34	15	118	82	290	629	196	1,115	28	45,100	32	51,118
Moka	-	-	-	-	-	52	163	285	77	525	37	43,400	16	15,400
Grand Port	12	65	39	22	126	256	915	1,135	374	2,424	39	17,427	26	10,780
Savanne	23	101	31	108	240	209	567	944	445	1,956	71	38,960	61	33,708
Black River/Port Louis	11	159	101	27	287	306	1,490	1,965	405	3,860	24	44,940	31	20,836
Total	**162**	**805**	**340**	**1,066**	**2,211**	**2,933**	**9,002**	**13,348**	**5,080**	**27,430**	**363**	**356,111**	**329**	**201,283**

Source : Agricultural Research and Extension Unit, Ministry of Agro Industry and Food Security.

[1] Exclude industrial farm and farmers rearing more than 5,000 heads

Table 2.3 - Production of selected agro-industrial products, Republic of Mauritius, 2003 - 2012

Detail	Unit	2003	2004	2005	2006	2007	2008	2009	2010	2011 [1]	2012 [2]
Beef [3]	tonnes	2,505	2,456	2,484	2,187	1,847	1,902	2,090	2,194	2,023	1,986
Local (including Rodrigues)	*"*	*202*	*137*	*73*	*99*	*90*	*27*	*37*	*88*	*136*	*180*
Imported	*"*	*2,303*	*2,319*	*2,411*	*2,088*	*1,757*	*1,875*	*2,054*	*2,106*	*1,887*	*1,806*
Goat meat and mutton [3]	"	107	107	111	99	75	76	77	68	62	51
Pork [3]	"	785	743	709	681	511	330	428	623	650	653
Poultry	"	30,000	33,000	33,000	36,000	40,000	42,000	44,000	46,600	47,000	47,200
Milk	'000 Litres	4,000	4,000	4,000	4,000	3,500	3,300	3,400	3,600	5,000	6,000

[1] Revised

[2] Provisional

[3] abattoir slaughters only

Table 2.4 - Fish production by type of fishery (in fresh - weight equivalent), 2003 - 2012

Tonnes

Type of fishery	Type	2003	2004	2005	2006	2007	2008	2009	2010	2011 [1]	2012 [2]
Artisanal fishery (Island of Mauritius)	Fresh	1,166	1,043	947	950	640	682	820	831	892	705
Sports fishery *	Fresh	650	650	650	650	650	650	650	650	650	650
Amateur fishery *	Fresh	300	300	300	300	300	300	300	300	300	300
Barachois	Fresh	6	4	4	2	2	2	-	-	1	1
Ponds (prawn and fish)	Fresh	27	437	374	436	17	62	57	66	60	63
Marine aqualculture (cage)	Fresh	-	-	-	-	150	181	366	498	460	424
Fish Aggregating Device (FAD) Fishery	Fresh	-	-	-	214	164	289	319	330	258	233
Offshore demersal fishery											
Shallow water banks	Frozen	3,713	3,216	2,178	3,112	2,848	2,428	2,685	2,137	1,766	1241 *
Banks deep water snappers	Fresh	-	-	-	-	-	324	627	452	295	314 *
St Brandon inshore	Frozen & salted	578	311	414	235	177	560	437	421	318	216
Semi - industrial chilled fish	Chilled	234	178	223	311	171	173	459	446	180	213*
Tuna fishery	Frozen	1,118	1,640	1,402	1,380	803	475	246	306	-	-
Semi - industrial pelagic fishery [3]	Chilled	111	97	177	247	184	41	8	27	90	33*
Demersal trawlers	Frozen	1,806	1,595	2,584	1,112	-	-	-	-	-	-
Total		**9,709**	**9,471**	**9,253**	**8,949**	**6,106**	**6,167**	**6,974**	**6,464**	**5,270**	**4,393**

Source : Albion Fisheries Research Centre, Ministry of Fisheries

[1]Revised

[2]Provisional

[3] Include tuna fishery

*Estimates

Table 2.5 - Annual fish catch of the coastal (artisanal) fishery by gear - type, 2003 - 2012

Tonnes

Gear-type	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Basket trap	492.6	425.3	433.8	343.8	251.2	270.9	257.8	266.5	302.8	274.6
Line	373.4	285.8	288.8	303.7	169.9	178.7	227.2	226.7	185.3	180.1
Basket trap and Line	17.5	54.9	16.8	19.6	16.2	13.9	18.3	27.9	24.9	20.4
Large net	160.6	168.1	121.5	201.1	132.7	143.6	222.9	213.5	280.9	171.0
Gill net	13.6	11.3	8.2	11.3	7.6	6.7	11.3	7.6	23.8	6.5
Cast net/Harpoon/on foot	108.1	97.4	78.2	70.5	62.4	68.2	82.8	89.1	74.3	52.0
Total	**1,165.8**	**1,042.8**	**947.3**	**950.0**	**640.0**	**682.0**	**820.3**	**831.3**	**892.0**	**704.6**

Source : Albion Fisheries Research Centre, Ministry of Fisheries

Table 2.6 - Number of active fishermen by gear - type, 2003 - 2012

Gear-type	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Basket trap	473	445	493	275	283	275	279	246	290	275
Line/Harpoon	749	896	789	764	770	795	733	594	766	741
Basket trap and Line	670	736	689	1,111	876	807	862	790	830	826
Large net	177	159	189	149	137	138	133	127	130	133
Gill net	17	20	14	13	12	13	13	13	14	11
Total	**2,086**	**2,256**	**2,174**	**2,312**	**2,078**	**2,028**	**2,020**	**1,770**	**2,030**	**1,986**

Source : Albion Fisheries Research Centre, Ministry of Fisheries

Table 2.7 - Fisherman-days and total catch [1] from the lagoon and off lagoon, 2003 - 2012

Year	Fisherman-days			Catch (tonnes)
	Lagoon	Off lagoon	Total	
2003	189,988	83,362	273,350	1,166
2004	195,087	58,516	263,603	1,043
2005	153,771	77,429	231,200	947
2006	145,089	68,961	241,050	950
2007	92,261	51,622	144,883	640
2008	77,719	44,248	112,967	682
2009	83,880	43,463	127,343	820
2010	88,167	40,587	128,754	831
2011	87,632	40,981	128,613	892
2012	74,999	43,767	118,766	705

Source : Albion Fisheries Research Centre, Ministry of Fisheries

[1] Coastal (artisanal) fishery

Table 2.8 - Catch per fisherman-day, 2003 - 2012

Kilogram

Year	Lagoon	Off - lagoon	Mean
2003	3.7	5.5	4.3
2004	3.6	5.0	4.2
2005	3.5	5.2	4.1
2006	4.0	5.4	4.4
2007	3.8	5.5	4.4
2008	4.7	7.1	5.6
2009	5.9	7.5	6.4
2010	5.8	7.8	6.5
2011	6.3	8.2	6.9
2012	5.2	7.2	5.9

Source : Albion Fisheries Research Centre, Ministry of Fisheries

Figure 6 - Catch per fisherman-day, 2003 - 2012

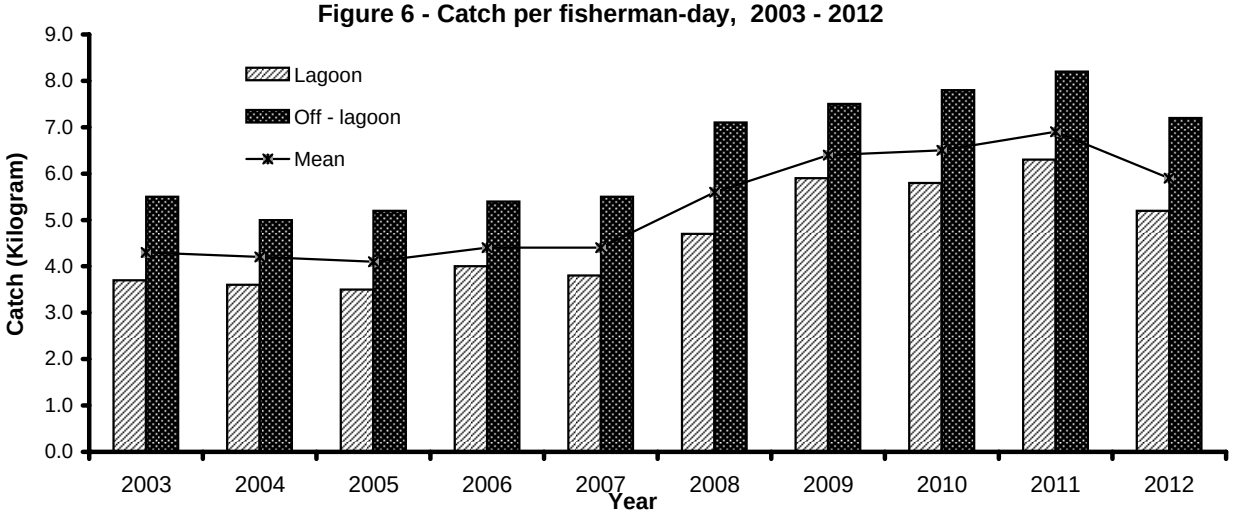


Table 2.9 - Average price of fresh fish and other sea food, 2003- 2012

Rupees per kilogram

Species	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Homard	480	495	515	550	600	680	690	750	825	865
Crab and crevette	285	275	290	275	320	320	355	365	435	445
Vieille rouge	180	190	215	230	255	275	290	300	320	320
Vacoas, sacrechien	150	160	160	175	175	210	245	260	270	270
Capitaine	140	155	170	170	180	200	220	235	245	250
Dame berry	130	140	150	170	170	190	210	230	245	240
Octopus	100	105	125	130	135	150	160	170	175	195
Carangue	100	115	115	120	130	150	155	165	170	170
Cordonier	90	100	105	115	120	140	145	155	155	160
Rouget, tuna	85	90	95	110	115	136	150	160	165	170
Mulet voile	80	85	95	100	105	130	140	145	155	150
Bordemar	85	100	95	90	110	135	140	150	150	155
Licorne	95	100	115	115	125	150	160	165	170	175
Cateaux	75	75	70	85	90	105	110	120	120	125
Other fish	40	55	50	65	75	50	60	90	95	95
Shark	55	45	45	50	50	50	60	65	65	70

Source : Albion Fisheries Research Centre, Ministry of Fisheries

Table 2.10 - Annual catch by banks, 2003 - 2012

Tonnes[1]

Year	Saya de Malha	Nazareth	St. Brandon [2]	Chagos	Albatross[3]	Total catch
2003	2,355	469	510	235	172	3,741
2004	1,693	881	359	124	117	3,174
2005	1,028	578	344	-	163	2,113
2006	1,645	777	292	136	177	3,027
2007	1,513	732	140	130	74	2,589
2008	978	760	454	-	129	2,321
2009	1,835	237	390	161	-	2,623
2010 [4]	737	741	366	-	-	1,844
2011 [4]	1,090	1,030	318	-	-	2,438
2012 [5]	1,014	227	216	-	-	1,457

Source : Albion Fisheries Research Centre, Ministry of Fisheries

[1] Product weight=Brought frozen without offals

[2] St. Brandon includes frozen,salted and chilled fish product weight

[3] Albatros include catch by banks and catch from St. Brandon

[4] Revised [5] Provisional

Table 2.11- Import, export and trade balance of fish and fish products, 2003 - 2012

Year	2003	2004	2005	2006	2007	2008	2009	2010	2011 [1]	2012 [2]
Imports										
Quantity (tonnes)	63,515	81,315	104,830	150,728	129,085	113,608	139,342	155,000	163,000	158,000
Value (Rupees million)	2,540.4	3,186.6	4,261.2	6,720.9	7,068.0	8,457.4	7,108.3	7,810.0	9,280.0	10,937.0
Exports										
Quantity (tonnes)	50,329	54,241	67,249	79,707	86,170	66,205	87,938	107,740	89,490	102,728
Value (Rupees million)	3,167.3	3,358.1	4,842.1	7,120.4	8,172.8	8,015.2	9,041.2	10,118.0	9,481.0	12,735.0
Trade Balance (Rupees million)	624.9	171.5	580.9	395.5	1,104.8	-532.2	1,932.9	2,308.0	201.0	1,798.0

Source : Albion Fisheries Research Centre, Ministry of Fisheries

[1] Revised [2] Provisional

Table 2.12 - Total number and type of fishing vessels calling at Port Louis, 2003 - 2012

Type/category	2003	2004	2005	2006	2007	2008	2009	2010	2011 [1]	2012 [2]
Tuna long liners and squid vessels	392	419	628	708	561	428	465	469	488	596
Purse seiners (foreign)	2	2	8	9	13	14	30	20	34	38
Reefers	42	33	32	48	62	83	72	65	55	44
Trawlers	20	20	13	13	8	15	12	19	13	13
Hand liners	179	217	190	179	137	176	168	152	174	182
Long liners (Ice cod fish sp.) (Patagonian tooth fish vessel)	51	24	19	21	18	25	21	18	22	9
Others, unspecified vessels	2	3	4	1	1	3	4	9	1	1
Total	**688**	**718**	**894**	**979**	**800**	**744**	**772**	**752**	**787**	**883**

Source : Albion Fisheries Research Centre, Ministry of Fisheries

[1] Revised

[2] Provisional

Table 2.13 - Per capita consumption of fish and fish preparations, 2003- 2012

Kilogram/year

Year	Quantity
2003	18.69
2004	19.32
2005	17.90
2006	19.98
2007	19.67
2008	21.25
2009	20.79
2010	21.70
2011 [1]	22.16
2012 [2]	22.89

[1] Revised

[2] Provisional

Figure 7 - Per capita consumption of fish and fish preparations, 2003 - 2012

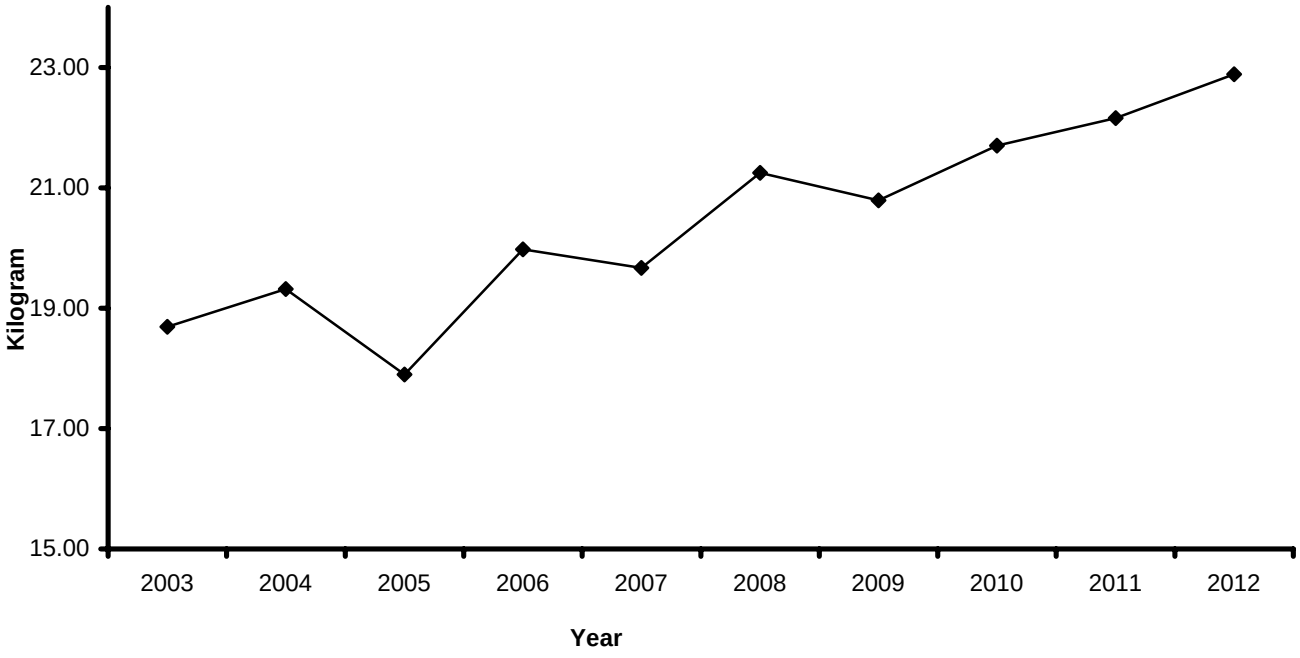


Table 2.14 - Cases of poisoning [1] by noxious fish and shellfish, venomous animals and toxic plants, 2003 – 2012

Year	General hospital discharges due to accidental poisoning by noxious fish and shellfish			General hospital discharges due to venomous animals and plants as the cause of poisoning and toxic reactions		
	Male	Female	Total	Male	Female	Total
2003	40	39	79	109	50	159
2004	19	31	50	176	46	222
2005	24	36	60	137	56	193
2006	21	25	46	167	120	287
2007	18	14	32	112	38	150
2008	20	19	39	77	39	116
2009	14	18	32	82	27	109
2010	15	24	39	130	39	169
2011	20	40	60	157	50	207
2012	30	33	63	171	57	228

Source : Statistics Unit, Ministry of Health and Quality of Life

[1] Cases treated as in - patients in Government General Hospitals

Table 2.15 - List of fishable areas, Republic of Mauritius

Kilometre square

Region	Depth	Area
Mauritius	Up to 100 metres	1,208
Banks		
Saint Brandon	0 - 35 metres	2,950
Nazareth	0 - 35 metres	7,625
Saya de Malha	0 - 100 metres	28,350
Chagos	0 - 35 metres	6,830
Rodrigues	0 - 100 metres	1,688
Agalega	0- 100 metres	15
Tromelin	…	…
Total		**48,666**

Source : State of the Environment Report - 1991

Table 2.16 - Percentage of substrate cover at various monitoring stations, 2009 - 2012

Site		Year	Coral	Algea	Abiotic [1]	Other [2]
Baie du Tombeau	Back reef	2009	27	15	58	n.o
		2010	34	20	46	n.o
Le Goulet	Fore reef	2009	29	5	60	6
		2010	29	46	19	6
Ile aux Benitiers	Fore reef	2009	13	3	82	2
		2010	17	2	79	2
	Back reef	2009	3	12	85	n.o
		2010	1	5	94	n.o
		2012	1	1	98	n.m
	Shore reef	2009	<1	46	54	n.o
		2010	1	72	27	n.o
Bel Ombre	Back reef	2009	22	57	21	n.o
		2010	20	59	26	3
		2012	32	51	17	n.m
	Shore reef	2009	41	2	57	n.o
		2010	18	3	79	n.o
Bambous Virieux	Back reef	2009	55	22	22	1
		2010	51	4	44	1
	Shore reef	2009	26	36	37	1
		2010	26	49	24	1
Trou d'eau Douce	Back reef	2009	10	40	49	1
		2010	20	49	31	n.o
	Shore reef	2009	20	49	31	n.o
		2010	13	24	63	n.o
Trou Aux Biches	Fore reef	2009	n.m	n.m	n.m	n.m
		2010	19	28	51	2
	Back reef	2009	31	4	65	n.o
		2010	21	14	65	n.o
		2012	24	16	60	n.m
Pointe Aux Sables	Fore reef	2009	12	16	73	n.o
		2010	7	12	80	1
	Back reef	2009	2	<1	93	n.o
		2010	1	6	92	n.o
		2011	0.5	3.63	94.42	1.7
Albion	Fore reef	2009	18	1	73	8
		2010	n.m	n.m	n.m	n.m
	Back reef	2009	1	14	84	2
		2010	9	4	86	1

Source : Albion Fisheries Research Centre, Ministry of Fisheries

[1] Rocks, sand, dead corals etc. [2] Sponges, crown of thorns (starfish), sea urchins etc ; n.o: Not observed;

n.m: Not monitored

Table 2.16 (cont'd) - Percentage of substrate cover at various monitoring stations, 2009 - 2012

Site		Year	Coral	Algea	Abiotic [1]	Other [2]
Anse La Raie	Back reef	2010	18	45	37	n.o
		2011	0.33	3.33	94.59	1.75
	Shore reef	2010	0	28	72	n.o
		2011	2.84	11.24	85.92	n.m
Poudre D'Or (Site I)	Back reef	2010	2	46	51	1
		2011	3	37	60	n.m
Poudre D'Or (Site II)	Back reef	2010	0	6	94	n.o
		2011	0	6.3	93.7	n.m
Belle Mare (Site I)	Back reef	2009	52	26	22	n.o
		2010	56	26	18	n.o
		2012	18	47	35	n.m
Belle Mare (Site II)	Back reef	2009	47	11	43	n.o
		2010	47	13	38	2
		2012	47	21	32	n.m

Source : Albion Fisheries Research Centre, Ministry of Fisheries

[1] Rocks, sand, dead corals [2] Sponges, crown of thorns (starfish), sea urchins etc; n.o: Not observed

n.m: Not monitored

Table 2.17- List of Marine Protected Areas, 2012

Hectares

Marine protected areas	Area
Marine parks	**838**
Blue bay	353
Balaclava	485
Fishing reserves	**6,352**
Port Louis	331
Poudre d'Or	2,542
Poste La Fayette	280
Trou d'Eau Douce	574
Grand Port zone A	1,716
Grand Port zone B	112
Black River	797
Wetland	**26**
Rivulet Terre Rouge Estuary Bird Sanctuary	26
Total	**7,216**

Source : Albion Fisheries Research Centre, Ministry of Fisheries

CHAPTER 3

ATMOSPHERE

Table 3.1 Monthly mean maximum temperature, 2003 - 2012

Degrees celcius

YEAR	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	Mean	Difference from Normal	Mean	Difference from Normal	Mean	Difference from Normal	Mean	Difference from Normal	Mean	Difference from Normal	Mean	Difference from Normal	Mean	Difference from Normal	Mean	Difference from Normal	Mean	Difference from Normal	Mean	Difference from Normal	Mean	Difference from Normal	Mean	Difference from Normal
2003	30.3	*1.0*	29.9	*0.6*	29.5	*0.5*	28.7	*0.6*	27.2	*0.6*	24.8	*-0.3*	23.3	*-0.9*	23.9	*-0.2*	24.9	*-0.1*	26.8	*0.6*	28.2	*0.2*	30.0	*1.0*
2004	29.5	*-0.1*	30.2	*0.7*	29.6	*0.4*	28.1	*-0.2*	25.8	*-1.1*	24.2	*-1.0*	24.5	*0.2*	24.8	*0.4*	25.8	*0.7*	26.8	*0.4*	27.9	*-0.1*	28.7	*-0.3*
2005	30.5	*0.9*	29.9	*0.5*	29.5	*0.4*	29.1	*0.8*	26.7	*-0.1*	25.1	*0.0*	24.1	*-0.1*	24.3	*-0.1*	24.7	*-0.5*	25.8	*-0.6*	27.3	*-0.7*	29.3	*0.2*
2006	29.6	*0.0*	29.4	*0.1*	29.1	*-0.1*	28.9	*0.7*	27.6	*0.8*	25.7	*0.6*	24.4	*0.1*	24.3	*0.0*	25.4	*0.3*	26.5	*0.1*	28.6	*0.6*	30.3	*1.3*
2007	30.3	*0.7*	29.8	*0.4*	29.2	*0.0*	28.6	*0.4*	27.5	*0.7*	25.2	*0.0*	25.1	*0.9*	24.9	*0.6*	25.7	*0.5*	26.2	*-0.3*	28.4	*0.4*	29.9	*0.8*
2008	29.5	*0.0*	29.4	*0.0*	28.7	*-0.5*	29.0	*0.8*	27.0	*0.2*	24.6	*-0.6*	24.0	*-0.2*	24.7	*0.4*	25.5	*0.4*	26.6	*0.2*	28.7	*0.7*	30.0	*0.9*
2009	30.9	*1.4*	30.3	*0.9*	29.7	*0.5*	28.9	*0.6*	27.5	*0.7*	26.2	*1.1*	24.2	*0.0*	24.3	*0.0*	25.4	*0.2*	26.8	*0.4*	27.7	*-0.3*	29.6	*0.6*
2010	29.9	*0.4*	30.5	*1.1*	29.9	*0.7*	29.2	*0.9*	28.0	*1.1*	26.5	*1.3*	24.7	*0.5*	24.6	*0.3*	25.8	*0.6*	27.3	*0.9*	28.1	*0.1*	29.7	*0.7*
2011	30.1	*0.6*	30.0	*0.6*	29.7	*0.5*	29.2	*0.9*	28.0	*1.2*	26.6	*1.4*	25.3	*1.0*	24.7	*0.4*	25.8	*0.6*	27.0	*0.6*	29.1	*1.1*	29.1	*0.1*
2012	30.1	*0.5*	30.7	*0.3*	29.5	*0.2*	28.6	*0.4*	26.6	*-0.2*	25.1	*0.0*	24.8	*0.6*	24.8	*0.5*	25.6	*0.5*	27.2	*0.8*	28.9	*0.9*	29.9	*0.9*

Source: Meteorological Services

Table 3.2 - Monthly mean minimum temperature, 2003 - 2012

Degrees Celcius

YEAR	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
	Mean	Difference from Normal	Mean	Difference from Normal	Mean	Difference from Normal	Mean	Difference from Normal	Mean	Difference from Normal	Mean	Difference from Normal	Mean	Difference from Normal	Mean	Difference from Normal	Mean	Difference from Normal	Mean	Difference from Normal	Mean	Difference from Normal	Mean	Difference from Normal
2003	22.7	*0.9*	22.4	*0.4*	22.3	*0.4*	22.2	*1.4*	21.1	*2.2*	17.2	*-0.1*	17.1	*0.4*	16.8	*0.4*	18.3	*1.5*	18.8	*0.8*	20.0	*0.7*	21.7	*0.8*
2004	22.5	*0.6*	23.4	*1.2*	23.1	*1.2*	21.5	*0.5*	19.2	*0.2*	17.4	*0.0*	17.7	*1.0*	17.9	*1.3*	18.0	*1.1*	18.4	*0.4*	20.1	*0.7*	21.5	*0.6*
2005	23.1	1.1	22.8	0.6	22.6	0.8	21.4	0.5	20.2	1.1	17.9	0.5	17.3	0.5	16.9	0.2	18.1	1.2	17.9	-0.1	19.3	0.0	21.0	0.0
2006	22.3	0.4	22.8	0.6	23.1	1.3	21.6	0.6	18.9	-0.1	18.8	1.4	17.4	0.7	16.8	0.2	17.6	0.7	18.5	0.5	20.6	1.2	22.4	1.5
2007	23.5	1.5	23.5	1.3	22.2	0.4	21.9	1.0	20.1	1.0	17.7	0.3	17.7	1.0	17.1	0.4	17.7	0.8	18.8	0.8	19.9	0.5	21.9	1.0
2008	22.6	0.6	22.8	0.6	21.9	0.1	20.9	0.0	19.3	0.3	18.0	0.6	16.8	0.1	17.8	1.2	18.8	1.9	19.5	1.5	20.6	1.3	21.8	0.9
2009	22.8	0.8	23.3	1.1	22.7	0.9	22.6	1.7	20.0	0.9	18.6	1.2	17.8	1.0	17.5	0.9	17.6	0.7	19.2	1.2	20.6	1.3	22.0	1.0
2010	22.9	1.0	23.4	1.1	23.1	1.3	21.5	0.5	20.9	1.8	19.1	1.7	17.3	0.6	17.0	0.4	17.0	0.1	19.0	1.0	19.6	0.2	20.8	-0.1
2011	22.1	0.2	23.3	1.1	22.4	0.6	21.8	0.8	19.4	0.4	19.1	1.7	17.5	0.8	17.4	0.8	17.6	0.7	18.7	0.7	20.5	1.2	21.9	0.9
2012	21.9	0.0	23.2	0.9	22.5	0.5	22.3	1.4	20.1	1.0	18.2	0.8	17.8	1.0	17.8	1.2	18	1.1	19.1	1.1	20.7	1.4	22.7	1.8

Source: Meteorological Services

Table 3.3 - Monthly mean values of humidity (%) with extremes, 2012

Region	Station		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
West	Medine	2012	73	77	78	81	80	81	77	76	74	76	78	77
		Highest Maximum	95	94	96	96	96	100	99	97	98	96	96	98
		Lowest Minimum	40	44	39	47	45	40	42	36	38	38	38	42
		LTM[1] (1986 - 2000)	**79**	**82**	**80**	**79**	**78**	**78**	**77**	**76**	**75**	**76**	**77**	**78**
North	Pamplemousses	2012	69	75	77	79	79	78	76	74	70	64	64	70
		Highest Maximum	88	98	97	95	97	94	94	95	87	92	96	96
		Lowest Minimum	57	59	53	58	64	62	56	51	49	49	46	53
		LTM (1971 - 2000)	**80**	**84**	**83**	**83**	**82**	**82**	**81**	**80**	**78**	**77**	**77**	**80**
East	FUEL	2012	86	89	87	89	85	84	84	81	79	80	81	84
		Highest Maximum	100	100	99	99	97	97	95	94	94	95	95	96
		Lowest Minimum	63	66	70	63	63	61	64	54	51	58	51	62
		LTM (1981 - 2000)	**84**	**87**	**84**	**85**	**83**	**81**	**82**	**82**	**82**	**82**	**81**	**83**
South	Plaisance	2012	72	77	77	78	75	71	74	71	71	71	75	76
		Highest Maximum	93	96	97	96	96	94	96	95	95	94	98	97
		Lowest Minimum	48	59	56	53	49	49	47	50	44	49	56	54
		LTM (1981 - 2000)	**82**	**84**	**84**	**84**	**82**	**79**	**78**	**78**	**78**	**78**	**78**	**80**
Centre	Vacoas	2012	80	84	85	86	85	83	84	82	81	80	81	82
		Highest Maximum	98	98	98	98	98	97	98	97	98	97	98	98
		Lowest Minimum	48	43	55	59	58	53	57	47	49	51	53	55
		LTM (1971 - 2000)	**81**	**84**	**84**	**84**	**82**	**82**	**82**	**81**	**80**	**80**	**79**	**81**

Source : Meteorological Services

[1] LTM: Long Term Mean

Table 3.4 - Monthly total hours of sunshine by region and station, 2003 - 2012

Hours

Region : North, Station : Pamplemousses													
Month / Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YEARLY TOTAL
2003	213	181	230	162	219	237	190	264	250	272	218	287	**2,723**
2004	215	223	242	227	226	245	241	247	241	252	253	169	**2,781**
2005	279	143	175	271	212	256	209	267	241	257	240	275	**2,825**
2006	273	240	211	245	243	250	248	255	240	274	239	283	**3,001**
2007	187	156	219	236	225	187	240	239	256	236	290	285	**2,756**
2008	234	204	217	266	216	211	234	230	218	269	246	262	**2,807**
2009	248	193	218	201	248	239	216	216	229	258	248	232	**2,746**
2010	200	230	199	273	233	199	216	233	214	268	245	314	**2,824**
2011	237	190	237	236	252	252	248	233	256	288	273	195	**2,897**
2012	253	215	213	230	223	182	233	197	210	231	214	220	**2,621**
Mean 1971-2000	**250**	**217**	**235**	**223**	**236**	**223**	**237**	**238**	**225**	**255**	**261**	**248**	**2,848**

Hours

Region: East, Station: Fuel													
Month / Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YEARLY TOTAL
2003	208	195	217	121	143	193	132	212	175	237	215	261	**2,309**
2004	197	217	207	193	194	195	182	214	195	231	193	161	**2,379**
2005	267	145	188	253	165	185	175	225	182	210	212	271	**2,478**
2006	251	207	186	219	232	195	192	195	215	200	195	215	**2,502**
2007	135	129	201	182	188	151	193	178	204	165	243	249	**2,218**
2008	176	165	177	224	181	173	205	169	158	227	201	235	**2,291**
2009	247	193	183	165	197	204	173	167	202	203	185	234	**2,353**
2010	172	183	172	235	189	185	196	196	167	224	243	289	**2,451**
2011	215	169	206	186	228	178	201	156	227	196	266	142	**2,370**
2012	234	188	188	190	172	156	182	156	173	215	220	203	**2,277**
Mean 1971-2000	**216**	**186**	**209**	**179**	**194**	**183**	**188**	**188**	**190**	**210**	**220**	**217**	**2,380**

Hours

Region : West, Station : Medine													
Month / Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YEARLY TOTAL
2003	227	186	206	135	203	233	164	249	219	267	206	263	**2,558**
2004	206	216	249	229	238	251	224	212	227	257	239	202	**2,750**
2005	300	198	198	270	223	221	205	256	219	262	254	277	**2,883**
2006	246	212	222	217	258	251	249	236	224	254	205	251	**2,825**
2007	185	176	224	228	227	188	250	250	252	222	269	259	**2,730**
2008	208	195	229	253	223	197	239	197	201	254	242	252	**2,690**
2009	257	198	195	201	235	238	204	225	225	211	248	233	**2,670**
2010	206	230	235	261	266	233	224	220	231	284	270	287	**2,947**
2011	221	214	251	234	257	229	253	206	253	271	252	206	**2,847**
2012	273	230	224	245	245	208	237	224	228	253	230	235	**2,832**
Mean 1981-2000	**233**	**206**	**228**	**214**	**236**	**218**	**230**	**228**	**216**	**237**	**234**	**236**	**2,716**

Source : Meteorological Services

Table 3.4 (cont'd) - Monthly total hours of sunshine by region and station, 2003 - 2012

Hours

Region : Centre, Station : Vacoas													
Month / Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YEARLY TOTAL
2003	215	165	230	129	193	227	169	230	195	251	218	270	**2,492**
2004	189	185	214	207	210	208	202	217	206	236	239	178	**2,491**
2005	289	148	167	245	208	225	200	235	212	237	216	258	**2,640**
2006	268	203	200	227	238	229	218	220	225	265	229	281	**2,803**
2007	185	155	213	218	219	205	245	239	240	232	272	288	**2,711**
2008	230	194	220	259	221	184	226	214	227	269	222	260	**2,726**
2009	229	199	226	206	236	237	204	199	221	221	229	220	**2,627**
2010	164	213	190	267	237	227	213	205	194	254	238	280	**2,682**
2011	209	178	212	225	224	219	229	207	225	272	223	181	**2,604**
2012	242	213	216	223	219	185	221	200	222	223	196	223	**2,583**
Mean 1971-2000	**226**	**194**	**225**	**206**	**228**	**216**	**225**	**222**	**219**	**237**	**236**	**223**	**2,657**

Table 3.4 (cont'd) - Monthly total hours of sunshine by region and station, 2003 - 2012

Hours

Region : South, Station : Plaisance													
Month / Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YEARLY TOTAL
2003	218	201	239	147	171	195	119	199	174	276	251	304	**2,494**
2004	282	222	202	193	179	173	175	194	203	237	226	172	**2,458**
2005	259	154	175	240	162	165	148	225	182	213	208	286	**2,417**
2006	155	218	186	222	231	208	213	199	222	240	231	262	**2,587**
2007	155	165	218	188	184	137	186	167	219	198	286	293	**2,396**
2008	233	222	213	248	186	155	184	165	184	249	256	297	**2,592**
2009	281	197	216	156	184	194	143	162	222	216	221	256	**2,448**
2010	204	195	187	247	213	191	184	175	179	241	274	326	**2,616**
2011	257	200	234	234	216	183	187	193	226	234	266	212	**2,642**
2012	285	228	216	200	172	148	177	165	191	225	254	225	**2,486**
Mean 1971-1990	**247**	**205**	**218**	**191**	**197**	**177**	**179**	**188**	**199**	**237**	**253**	**251**	**2,542**

Source : Meteorological Services

Table 3.5 - Ambient air quality monitoring by mobile stations, 2012

Region	Period	Pollutant [1]	Unit [2]	Readings		Standard for ambient air quality[3] (Average)
				Minimum	Maximum	
SSR Street, Port Louis (Roadside)	18 Jan - 08 Feb 2012	Dust (TSP)	µg/m^3	54.9	92.9	150 (24 hour)
		Dust (PM_{10})	µg/m^3	36.5	60.2	100 (24 hour)
		Sulphur Dioxide	ppb	1.7	9.2	70 (24 hour)
		Sulphur Dioxide	ppb	0.1	48.1	122 (1 hour)
		Carbon Monoxide	ppm	0.0	6.38	20 (1 hour)
		Nitrogen Dioxide	ppb	0.0	15.8	98 (24 hour)
SSR Street, Port Louis (Roadside)	07 Nov 2012 - 22 Nov 2012	Dust (TSP)	µg/m^3	76.1	107.8	150 (24 hour)
		Dust (PM_{10})	µg/m^3	39.6	68.6	100 (24 hour)
		Sulphur Dioxide	ppb	0.6	2.9	70 (24 hour)
		Sulphur Dioxide	ppb	0.0	7.8	122 (1 hour)
		Carbon Monoxide	ppm	0.0	4.4	20 (1 hour)
		Nitrogen Dioxide	ppb	7.6	19.4	98 (24 hour)
Port Louis (Residential area)	31 Jan - 11 Feb 2012	Dust (TSP)	µg/m^3	3.0	20.5	150 (24 hour)
		Dust (PM_{10})	µg/m^3	10.7	15.2	100 (24 hour)
Port Louis (Residential area)	16 Feb - 06 Mar 2012	Sulphur Dioxide	ppb	0.6	4.0	70 (24 hour)
		Sulphur Dioxide	ppb	0.3	26.5	122 (1 hour)
		Nitrogen Dioxide	ppb	0.0	2.5	98 (24 hour)
Baie Du Tombeau (Industrial area)	15 Mar 2012 - 12 Apr 2012	Dust (TSP)	µg/m^3	12.7	45.1	150 (24 hour)
		Dust (PM_{10})	µg/m^3	12.7	56.4	100 (24 hour)
		Sulphur Dioxide	ppb	0.7	40.5	70 (24 hour)
		Sulphur Dioxide	ppb	0.6	87.7	122 (1 hour)
		Carbon Monoxide	ppm	0.1	2.4	20 (1 hour)
		Nitrogen Dioxide	ppb	0.7	6.3	98 (24 hour)
Belle Vue (Industrial area)	21 Mar 2012 - 17 Apr 2012	Dust (TSP)	µg/m^3	16.2	30.2	150 (24 hour)
		Dust (PM_{10})	µg/m^3	13.3	31.2	100 (24 hour)
Terre Rouge (Industrial area)	9 May 2012 - 04 Jul 2012	Dust (TSP)	µg/m^3	8.5	40.4	150 (24 hour)
		Sulphur Dioxide	ppb	0.0	18.8	70 (24 hour)
		Sulphur Dioxide	ppb	0.0	44.6	122 (1 hour)
		Carbon Monoxide	ppm	0.0	0.9	20 (1 hour)
		Nitrogen Dioxide	ppb	0.4	4.5	98 (24 hour)
Brabant Street, Port Louis (Roadside)	19 Jun 2012 - 20 Aug 2012	Dust (TSP)	µg/m^3	20.2	51.2	150 (24 hour)
		Sulphur Dioxide	ppb	0.0	4.1	70 (24 hour)
		Sulphur Dioxide	ppb	0.0	15.0	122 (1 hour)
		Carbon Monoxide	ppm	0.2	3.9	20 (1 hour)
		Nitrogen Dioxide	ppb	7.5	27.0	98 (24 hour)
Midlands (Industrial area)	18 Sep 2012 - 30 Oct 2012	Dust (TSP)	µg/m^3	5.7	53.9	150 (24 hour)
		Dust (PM_{10})	µg/m^3	4.1	36.5	100 (24 hour)
		Sulphur Dioxide	ppb	0.0	1.1	70 (24 hour)
		Sulphur Dioxide	ppb	0.0	3.4	122 (1 hour)
		Carbon Monoxide	ppm	0.2	1.0	20 (1 hour)
		Nitrogen Dioxide	ppb	0.2	1.4	98 (24 hour)
Cassis (Industrial area)	19 Sep 2012 - 25 Oct 2012	Dust (TSP)	µg/m^3	18.8	32.2	150 (24 hour)
		Sulphur Dioxide	ppb	2.2	17.5	70 (24 hour)
		Sulphur Dioxide	ppb	1.5	56.0	122 (1 hour)
		Carbon Monoxide	ppm	0.0	2.8	20 (1 hour)
		Nitrogen Dioxide	ppb	1.9	10.0	98 (24 hour)

[1] TSP stands for Total Suspended Particles
PM_{10} stands for Particle Matter of Size less or equal to 10 microns

[2] ppb stands for Parts per Billion
ppm stands for Parts per Million

[3] Based on existing national standards

Source: Ministry of Environment & Sustainable Development

Table 3.6 - Total emissions and removals of greenhouse gases and other related gases, Republic of Mauritius, 2003- 2012

Gg or thousand tonnes

Greenhouse gas	2003	2004	2005	2006	2007	2008	2009	2010	2011 [1]	2012 [2]
Emissions										
Carbon dioxide	2783.5	2795.7	2996.0	3348.9	3449.6	3487.1	3367.6	3666.5	3640.3	3745.1
Methane	28.9	27.8	29.8	33.7	35.6	37.3	21.3	39.7	38.4	35.9
Oxide of Nitrogen	15.1	15.2	15.4	16.6	16.6	18.1	17.5	18.1	18.3	18.8
Nitrous Oxide	1.5	1.5	1.3	1.2	1.3	1.1	1.0	1.1	1.1	1.1
Carbon Monoxide	65.7	66.9	66.4	64.8	65.4	66.6	64.0	67.4	67.5	68.6
NMVOC[3]	17.5	16.5	18.3	17.7	17.1	16.5	17.6	19.6	20.8	24.6
Sulphur Dioxide	32.1	32.7	33.0	33.0	35.1	33.2	33.6	33.2	33.7	33.8
Removals										
Carbon dioxide	237.9	223.7	223.7	193.2	224.0	300.0	293.0	291.6	289.6	292.9
Net emissions										
Carbon Dioxide	2545.6	2572.0	2772.3	3155.6	3225.6	3187.1	3074.6	3375.0	3350.6	3452.2

[1] Revised [2] Provisional [3] Non-methane volatile organic compound

Table 3.7 - Carbon dioxide emissions from energy sector (fuel combustion activities), Republic of Mauritius, 2003 - 2012

Gg or thousand tonnes

Energy Sector	2003	2004	2005	2006	2007	2008	2009	2010	2011 [1]	2012 [2]
Energy industries (electricity)	1,418.3	1,430.5	1,615.2	1,912.5	2,067.9	2,032.0	1,997.0	2,224.3	2,205.8	2,280.5
Manufacturing industries	386.4	362.3	346.3	404.9	400.3	456.0	351.6	352.1	336.4	330.8
Transport	793.2	807.1	833.7	843.7	800.1	813.0	844.8	912.0	921.7	954.1
Residential	145.9	154.2	158.5	136.7	130.6	131.0	122.8	135.6	133.5	134.7
Other[3]	37.3	39.7	40.3	49.0	49.3	53.8	49.1	40.4	41.5	43.3
Total	**2,781.1**	**2,793.8**	**2,994.0**	**3,346.8**	**3,448.2**	**3,485.8**	**3,365.3**	**3,664.4**	**3,638.9**	**3,743.3**

[1] Revised [2] Provisional [3] includes Agriculture and Trade

Table 3.8 - Percentage share of carbon dioxide emissions from energy sector (fuel combustion activities), Republic of Mauritius, 2003 - 2012

%

Energy Sector	2003	2004	2005	2006	2007	2008	2009	2010	2011 [1]	2012 [2]
Energy industries (electricity)	51.0	51.2	53.9	57.1	60.0	58.3	59.4	60.7	60.6	60.9
Manufacturing industries	13.9	13.0	11.6	12.1	11.6	13.1	10.4	9.6	9.2	8.8
Transport	28.5	28.9	27.8	25.2	23.2	23.3	25.1	24.9	25.3	25.5
Residential	5.2	5.5	5.3	4.1	3.8	3.8	3.6	3.7	3.7	3.6
Other[3]	1.3	1.4	1.3	1.5	1.4	1.5	1.5	1.1	1.1	1.2
Total	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**

[1] Revised [2] Provisional [3] includes Agriculture and Trade

Table 3.9 - National inventory of greenhouse gas emissions and removals by source categories, Republic of Mauritius, 2011 [1] - 2012 [2]

Gg or thousand tonnes

Category	Carbon dioxide (CO_2)				Methane (CH_4)		Nitrous oxide (N_2O)		Oxides of Nitrogen (NO_x)		Carbon monoxide (CO)		NMVOC [3]		Sulphur dioxide (SO_2)	
	Emissions		Removals													
	2011	2012	2011	2012	2011	2012	2011	2012	2011	2012	2011	2012	2011	2012	2011	2012
1. Energy sector (Fuel combustion activities)	3,638.88	3,743.31	-	-	0.63	0.62	0.08	0.08	18.30	18.80	67.47	68.57	10.30	10.71	33.67	33.78
(a) Energy industries (electricity)	*2,205.80*	*2,280.49*	-	-	0.30	*0.29*	*0.06*	*0.06*	*7.38*	*7.58*	*8.90*	*8.61*	*0.55*	*0.53*	*28.12*	*28.26*
(b) Manufacturing industries	*336.44*	*330.75*	-	-	*0.08*	*0.07*	*0.01*	*0.01*	*1.12*	*1.08*	*7.61*	*6.67*	*0.13*	*0.11*	*3.29*	*3.20*
(c) Transport	*921.73*	*954.06*	-	-	*0.14*	*0.15*	*0.01*	*0.01*	*9.38*	*9.71*	*49.34*	*51.70*	*9.43*	*9.88*	*2.16*	*2.23*
(d) Other sectors	*174.91*	*178.01*	-	-	*0.11*	0.11	*0.00*	*0.00*	*0.42*	*0.43*	*1.62*	*1.59*	*0.19*	*0.19*	*0.10*	*0.09*
2.Industrial processes	*1.38*	*1.82*	-	-	-	-	-	-	-	-	-	-	10.51	13.86	-	-
3.Agriculture	-	-	-	-	0.91	0.90	1.00	1.00	-	-	-	-	-	-	-	-
4.Land use change and forestry	-	-	289.62	292.90	-	-	-	-	-	-	-	-	-	-	-	-
5.Waste[4]	-	-	-	-	36.90	34.40	-	-	-	-	-	-	-	-	-	-
Total	**3,640.26**	**3,745.13**	**289.62**	**292.90**	**38.44**	**35.92**	**1.08**	**1.08**	**18.30**	**18.80**	**67.47**	**68.57**	**20.81**	**24.57**	**33.67**	**33.78**

[1] *Revised*

[2] *Provisional*

[3] *Non - methane volatile organic compound*

[4] *Exclude waste water*

Table 3.10 - Trend in Energy intensity index, Energy consumption per capita index, GHG Emission per capita index and GHG emission per GDP index, 2003 - 2012

Base Year 2000 = 100

Year	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Energy Intensity index	98.9	96.7	98.9	100.0	95.6	92.3	85.7	86.8	83.5	83.5
Energy consumption per capita index	105.6	107.7	107.9	110.9	107.8	105.1	100.5	105.7	106.2	108.7
GHG Emission per capita index	112.1	110.8	115.1	125.7	129.7	129.2	115.0	134.2	132.2	133.1
GHG Emissions per GDP index	87.1	77.9	77.1	76.1	69.1	61.6	53.6	59.3	54.3	51.6

Figure 8 - Trend in Energy intensity index, Energy consumption per capita index, GHG Emission per capita index and GHG emission per GDP index, 2003 - 2012

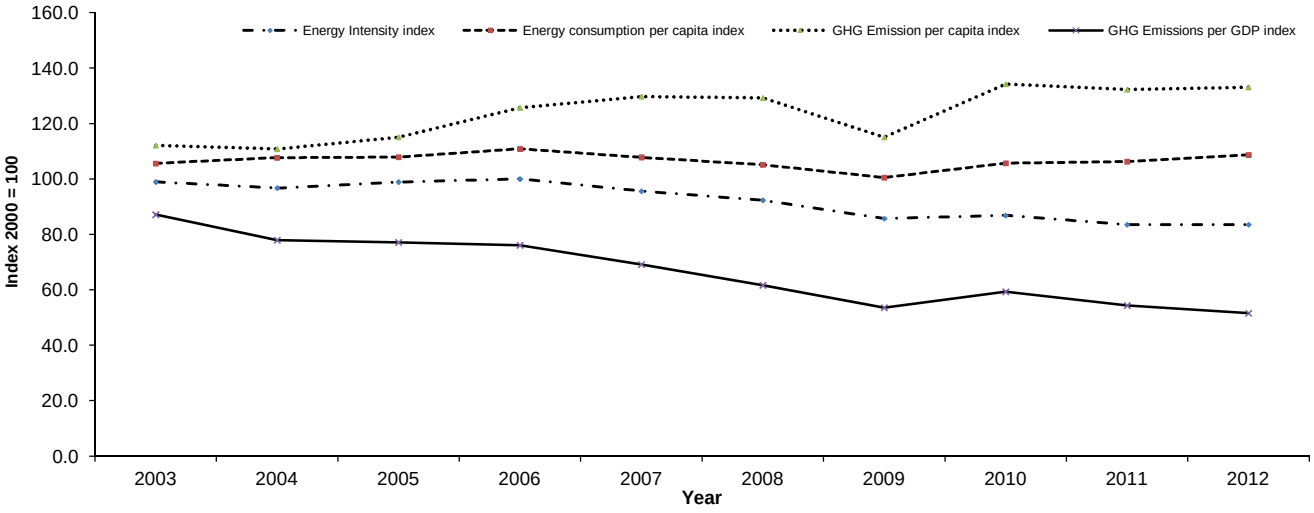


Table 3.11 - Consumption of controlled ozone-depleting substances by sector, 2003 - 2012

Metric Tonnes

Sector	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Process agent	-	-	0.03	-	-	-	-	-	-	-
Refrigeration and air conditioning	226.80	171.85	165.64	139.13	156.62	122.48	192.12	96.13	157.40	125.94
Solvent	0.03	0.02	-	-	-	-	-	-	-	-
Methyl bromide	-	-	-	-	-	0.50	-	-	-	-
Total	**226.83**	**171.87**	**165.67**	**139.13**	**156.62**	**122.98**	**192.12**	**96.13**	**157.40**	**125.94**

Source : Ministry of Environment and Sustainable Development .

Figure 9 - Consumption of controlled ozone-depleting substances by sector, 2003 - 2012

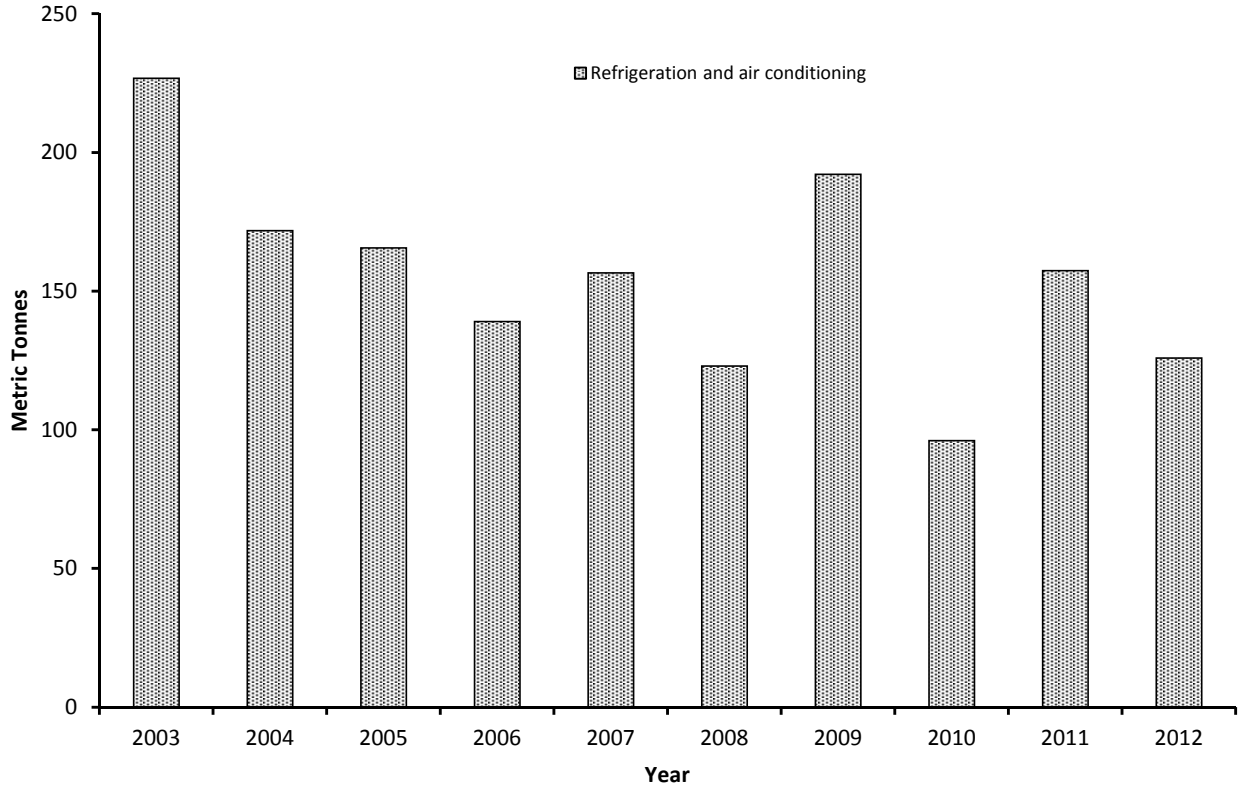


Table 3.12 - Consumption of controlled ozone-depleting substances by type of substances, 2003 - 2012

Metric Tonnes

Type of substances	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Chlorofluorocarbon (CFC's)	4.07	3.40	-	1.00	-	-	-	-	-	-
Carbon tetrachloride	0.03	0.02	0.03	-	-	-	-	-	-	-
Hydrochlorofluorocarbon (HCFC's)	222.73	168.45	165.64	138.13	156.62	122.98	192.12	96.13	157.40	125.94
Total	**226.83**	**171.87**	**165.67**	**139.13**	**156.62**	**122.98**	**192.12**	**96.13**	**157.40**	**125.94**

Source : Ministry of Environment and Sustainable Development.

Figure 10 - Consumption of controlled ozone-depleting substances by type of substances, 2003 - 2012

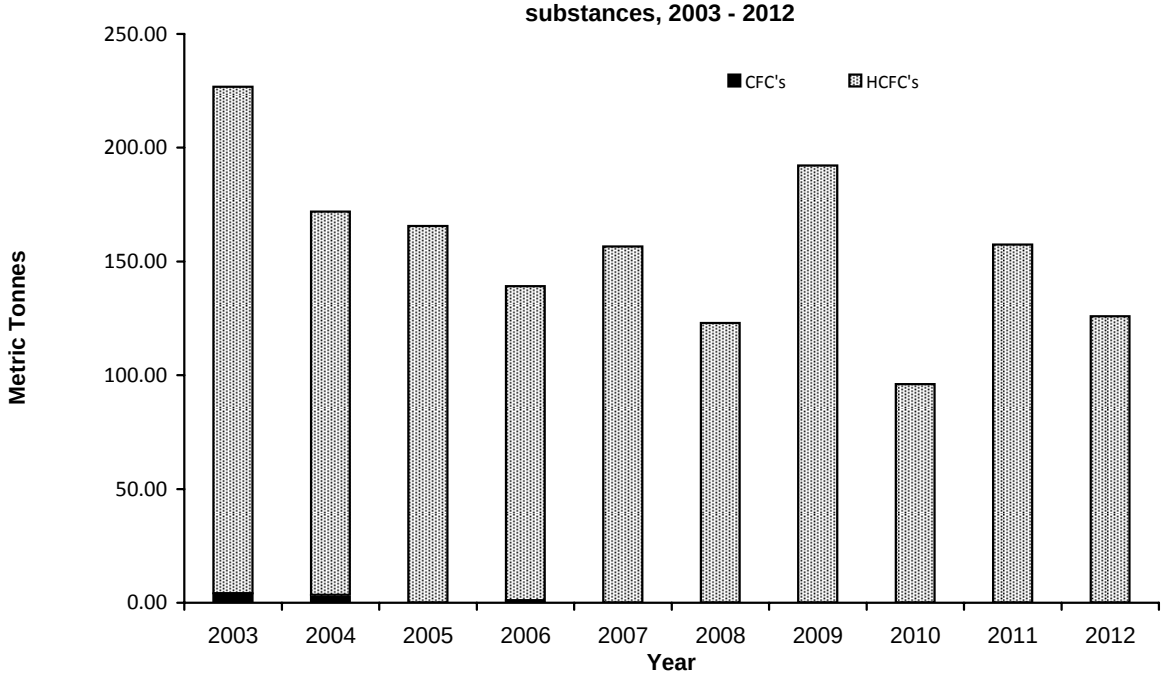


Table 3.13 - Health services (as at 31st December) Republic of Mauritius, 2003 - 2012

Number

Health services	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Regional hospitals	5	5	5	5	5	5	5	5	5	5
District hospitals	3	3	3	3	3	3	3	3	3	3
Specialised hospitals (Psychiatric, chest, eye and E N T) [1]	4	4	4	4	4	4	4	4	4	4
Cardiac Centre	1	1	1	1	1	1	1	1	1	1
Mediclinics	2	2	2	2	2	2	2	2	2	3
Area health centres [2]	27	27	27	27	27	24	24	24	24	23
Health centres with beds (Island of Rodrigues)	2	2	2	2	2	2	2	2	2	2
Community health centres [2]	122	125	126	127	128	127	127	127	127	129
Dispensaries										
Private dispensaries on sugar estates	*18*	*17*	*15*	*13*	*12*	*11*	*10*	*10*	*10*	*10*
Mobile dispensaries	*1*	*1*	*1*	*1*	*1*	-	-	-	-	-
Clinics										
Dental (including oral surgery and orthodontics)	*44*	*46*	*50*	*50*	*50*	*54*	*56*	*57*	*58*	*59*
Day care Centre for HIV Patient	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*2*	*4*	*5*
Private [3]	*12*	*12*	*12*	*13*	*13*	*17*	*19*	*17*	*17*	*17*
Public mobile dental	*1*	*2*	*2*	*2*	*2*	*3*	*3*	*3*	*3*	*3*
Health offices	14	14	14	14	14	14	14	14	14	14

Source: Statistics Unit, Ministry of Health and Quality of Life

[1] The ENT centre is administratively attached to Victoria Hospital

[2] Including Dr. Y. Cantin and Long Mountain Community Hospital

[3] Private clinics with in-patient service, including private hospitals

Table 3.14 - Respiratory diseases registered in government hospitals, 2003 - 2012

Number

Year	General hospital discharges [1] (including deaths)			First attendances [1] at regional health centres			Discharges (including deaths) at Poudre D'Or chest hospital			New cases diagnosed at specialist clinics in chest diseases		
	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes
2003	5,335	4,883	10,218	190,477	206,008	396,485	350	139	489	447	395	842
2004	4,984	5,008	9,992	178,608	189,064	367,672	354	141	495	522	459	981
2005	4,914	4,845	9,759	183,640	197,766	381,406	332	117	449	546	597	1,143
2006	5,783	5,348	11,131	181,462	194,913	376,375	332	136	468	547	478	1,025
2007	6,687	5,907	12,594	184,487	198,061	382,548	405	144	549	487	428	915
2008	7,127	6,770	13,897	212,454	229,970	442,424	435	147	582	350	267	617
2009	8,311	7,903	16,214	247,318	270,233	517,551	469	204	673	340	317	657
2010 [2]	7,727	7,469	15,196	223,242	244,812	468,054	834	375	1,209	432	393	825
2011 [2]	8,082	8,005	16,087	210,612	230,452	441,064	760	433	1,193	434	382	816
2012 [3]	8,564	8,549	17,113	232,986	251,708	484,694	578	321	899	516	465	981

Source : Statistics Unit, Ministry of Health and Quality of Life

[1] due to diseases of the respiratory system

[2] Revised

[3] Provisional

Table 3.15- Cases of asthma treated as in-patients in government hospitals, 2003 - 2012

Number

Year	In-Patients		
	Male	Female	Total
2003	1,538	1,735	3,273
2004	1,453	1,689	3,142
2005	1,507	1,668	3,175
2006	1,613	1,577	3,190
2007	1,650	1,693	3,343
2008	1,299	1,469	2,768
2009	1,282	1,387	2,669
2010	1,211	1,354	2,565
2011	1,238	1,518	2,756
2012	1,098	1,403	2,501

Source: Statistics Unit, Ministry of Health and Quality of Life.

Table 3.16 - Deaths registered due to asthma, 2003 - 2012

Number

Year	Deaths		
	Male	Female	Total
2003	97	99	196
2004	75	64	139
2005	104	75	179
2006	101	65	166
2007	86	68	154
2008	80	72	152
2009	105	79	184
2010	61	86	147
2011	60	55	115
2012	53	61	114

Source: Statistics Unit , Ministry of Health and Quality of Life.

Table 3.17 - Cases of asthma treated as in-patients in government hospitals by age group and sex, 2011 -2012

Age group (years)	Number of cases					
	Male		Female		Total	
	2011	2012	2011	2012	2011	2012
Less than one year	10	4	6	0	16	4
1 - 4	173	99	98	67	271	166
5 - 9	207	153	149	91	356	244
10 - 14	116	118	80	77	196	195
15 - 19	41	31	51	53	92	84
20 - 24	30	42	40	40	70	82
25 - 29	30	21	36	33	66	54
30 - 34	29	31	40	39	69	70
35 - 39	39	33	53	42	92	75
40 - 44	41	40	82	61	123	101
45 - 49	60	65	99	104	159	169
50 - 54	63	75	113	82	176	157
55 - 59	62	64	145	123	207	187
60 - 64	83	76	137	136	220	212
65 - 69	79	63	106	126	185	189
70 - 74	64	62	100	98	164	160
75 - 79	43	56	85	94	128	150
80 - 84	31	36	47	68	78	104
85 and over	37	29	51	69	88	98
Total	**1,238**	**1,098**	**1,518**	**1,403**	**2,756**	**2,501**

Source: Statistics Unit , Ministry of Health and Quality of Life.

Table 3.18 - Deaths registered due to asthma by age group and sex, 2011 - 2012

Age group (years)	Number of cases					
	Male		Female		Total	
	2011	2012	2011	2012	2011	2012
Less than one year	-	-	-	-	-	-
1 - 4	1	-	3	-	4	-
5 - 9	-	-	-	-	-	-
10 - 14	-	-	-	-	-	-
15 - 19	-	-	1	-	1	-
20 - 24	1	-	1	-	2	-
25 - 29	1	1	-	-	1	1
30 - 34	-	1	1	1	1	2
35 - 39	1	1	1	2	2	3
40 - 44	-	1	2	4	2	5
45 - 49	-	-	2	1	2	1
50 - 54	2	4	4	2	6	6
55 - 59	5	3	3	2	8	5
60 - 64	5	5	2	3	7	8
65 - 69	7	3	4	3	11	6
70 - 74	4	5	5	6	9	11
75 - 79	18	8	5	5	23	13
80 - 84	2	7	9	17	11	24
85 and over	13	14	12	15	25	29
Total	**60**	**53**	**55**	**61**	**115**	**114**

Source: Statistics Unit , Ministry of Health and Quality of Life.

CHAPTER 4

WATER

Table 4.1 - Monthly rainfall, averaged over all sugar zones[1], 2003 - 2012

Millimetres

Month	Year	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
January	Mean	118.4	416.2	139.0	352.9	325.7	233.8	227.5	339.4	271.2	80.3
	Difference from Normal	-131.0	+166.8	-110.4	+103.5	+76.3	-15.6	-21.9	+90.0	21.8	-169.0
February	Mean	331.3	305.1	401.3	331.5	535.3	224.2	265.0	359.8	324.0	191.3
	Difference from Normal	+16.3	-9.9	+ 86.3	+16.5	+220.3	-90.8	-50.0	+44.8	+9.0	-123.7
March	Mean	207.3	211.7	688.7	434.4	162.2	470.0	345.8	289.1	359.0	325.7
	Difference from Normal	+1.0	5.4	+482.4	+228.1	-44.1	+263.7	+139.5	+82.8	+152.7	119.4
April	Mean	444.8	282.6	114.8	85.4	105.2	50.2	221.6	142.5	64.6	210.6
	Difference from Normal	+245.8	+83.6	-84.2	-113.6	-93.8	-148.8	+22.6	-56.5	-134.4	11.6
May	Mean	191.0	161.1	109.1	52.8	137.6	276.7	172.1	116.9	116.4	154.7
	Difference from Normal	+58.8	+28.9	-23.1	-79.4	+5.4	+144.5	+39.9	-15.3	-15.8	+22.5
June	Mean	117.4	111.2	134.3	95.4	136.4	151.5	92.6	52.1	146.0	66.4
	Difference from Normal	+24.3	+18.1	+41.2	+2.3	+43.3	+58.4	-0.5	-41.0	+52.9	-26.7
July	Mean	175.2	85.6	158.0	156.4	108.7	108.7	126.8	137.6	88.6	92.7
	Difference from Normal	+80.9	-8.7	+63.7	+62.1	+14.4	+14.4	+32.5	+43.3	-5.7	-1.6
August	Mean	92.4	39.8	91.7	81.2	53.8	67.8	122.3	132.8	164.7	73.6
	Difference from Normal	-2.0	-54.6	-2.7	-13.2	-40.6	-26.6	+27.9	+38.4	+70.3	-20.8
September	Mean	130.4	118.2	207.6	63.1	62.7	330.8	65.8	53.6	39.9	45.4
	Difference from Normal	+69.1	+56.9	+146.3	+1.8	+1.4	+269.5	+4.5	-7.7	-21.4	-15.9
October	Mean	29.7	29.5	55.8	51.1	90.3	51.7	213.6	37.2	44.9	35.7
	Difference from Normal	-31.5	-31.7	-5.4	-10.1	+29.1	-9.5	+152.4	-24.0	-16.3	-25.5
November	Mean	81.1	124.8	38.3	77.0	43.6	147.0	180.0	81.4	53.2	63.5
	Difference from Normal	+12.0	+55.7	-30.8	+7.9	-25.5	+77.9	+110.9	+12.3	-15.9	-5.6
December	Mean	54.0	168.8	69.3	42.1	53.7	79.4	202.7	12.9	191.9	110.4
	Difference from Normal	-127.2	-12.4	-111.9	-139.1	-127.5	-101.8	+21.5	-168.3	+10.7	-70.8
Total Year	**Mean**	**1973.0**	**2054.6**	**2207.9**	**1823.3**	**1814.8**	**2191.8**	**2235.8**	**1755.3**	**1864.4**	**1450.3**
	Difference from Normal	+216.7	+298.3	+451.6	+67.0	+58.5	+435.5	+479.5	-1.0	+108.1	-306.0

Source : Meteorological Services

[1] Refer to land under sugar cane cultivation in the Island of Mauritius divided into 5 zones (North, South, East, West and Centre)

Figure 11 - Rainfall difference from normal over all sugar zones, 2012

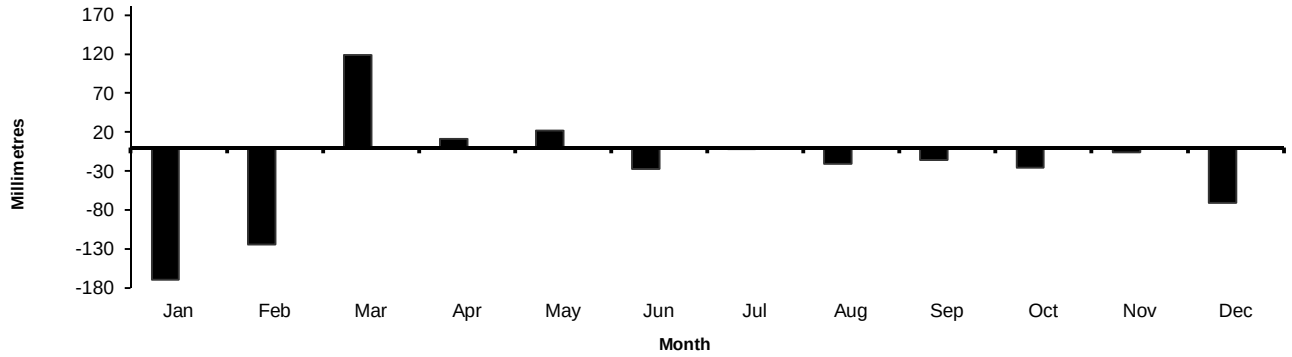


Table 4.2 - Yearly rainfall averaged over all sugar zones by region, 2003 - 2012

Millimetres

Region	Year	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
North	Mean	1201.3	1350.8	1404.1	1348.9	1072.0	1609.9	1667.7	1006.9	1428.8	932.7
	Difference from Normal	*-93.0*	*+56.5*	*+109.8*	*+54.6*	*-222.3*	*+315.6*	*+373.4*	*-287.4*	*+134.5*	*-361.6*
South	Mean	2285.4	2288.3	2670.7	2076.5	2215.7	2553.3	2548.5	2237.6	2026.2	1728.1
	Difference from Normal	*-34.8*	*-31.9*	*+350.5*	*-243.7*	*-104.5*	*+233.1*	*+228.3*	*-82.6*	*-294.0*	*-592.1*
East	Mean	2622.4	2692.9	2774.9	2226.2	2125.2	2578.1	2699.1	2346.8	2356.9	1868.5
	Difference from Normal	*+308.9*	*+379.4*	*+461.4*	*-87.3*	*-188.3*	*+264.6*	*+385.6*	*+33.3*	*+43.4*	*-445.0*
West	Mean	975.2	949.3	1097.8	750.9	966.5	1106.7	1233.9	601.1	1030.3	609.6
	Difference from Normal	*+146.5*	*+120.6*	*+269.1*	*-77.8*	*+137.8*	*+278*	*+405.2*	*-227.6*	*+201.6*	*-219.1*
Centre	Mean	1995.7	2262.6	2134.9	1988.0	2179.5	2320.4	2244.1	1461.8	1828.5	1432.0
	Difference from Normal	*-29.0*	*+237.9*	*+110.2*	*-36.7*	*+154.8*	*+295.7*	*+219.4*	*-562.9*	*-196.2*	*-592.7*
Island	Mean	1973.1	2054.6	2207.9	1823.1	1814.8	2191.8	2235.8	1753.3	1864.4	1450.3
	Difference from Normal	*+216.8*	*+298.3*	*+451.6*	*+66.8*	*+58.5*	*+435.5*	*+479.5*	*-1.0*	*+108.1*	*-306.0*

Source : Meteorological Services

Table 4.3 - Mean rainfall, 2003 - 2012

Millimetres

Year / Month	Long Term Mean (1971 - 2000)	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
January	261	142	443	148	356	347	247	259	318	304	89
February	336	358	316	407	342	572	260	281	374	330	224
March	242	204	252	727	454	165	519	352	271	373	329
April	226	454	297	117	89	119	54	233	138	58	238
May	159	219	203	126	55	139	287	178	120	114	179
June	115	128	131	139	102	142	170	96	60	151	74
July	120	208	93	174	180	123	123	147	160	93	106
August	122	105	46	106	87	63	73	130	156	172	76
September	81	150	120	233	73	71	346	73	60	44	51
October	70	36	36	64	60	105	60	245	45	51	47
November	80	86	139	48	90	45	145	184	89	71	70
December	199	59	194	83	47	63	97	212	15	184	126
Total Year		**2,148**	**2,271**	**2,374**	**1,936**	**1,954**	**2,381**	**2,390**	**1,806**	**1,945**	**1,609**

Source : Meteorological Services

Table 4.4 - Water balance, 2003 - 2012

Mm ^{3}

Year	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Rainfall	**4,284**	**3,890**	**4,801**	**3,571**	**3,644**	**4,440**	**4,470**	**3,368**	**3,627**	**3,001**
Surface runoff	*2,571*	*2,334*	*2,881*	*2,143*	*2,186*	*2,664*	*2,682*	*2,021*	*2,176*	*1,801*
Evapotranspiration	*1,285*	*1,667*	*1,440*	*1,071*	*1,093*	*1,332*	*1,341*	*1,010*	*1,088*	*900*
Net recharge to groundwater	*428*	*389*	*480*	*357*	*364*	*444*	*447*	*337*	*363*	*300*

Source : Water Resources Unit, Ministry of Energy and Public Utilities

Figure 12 - Water balance, 2003 - 2012

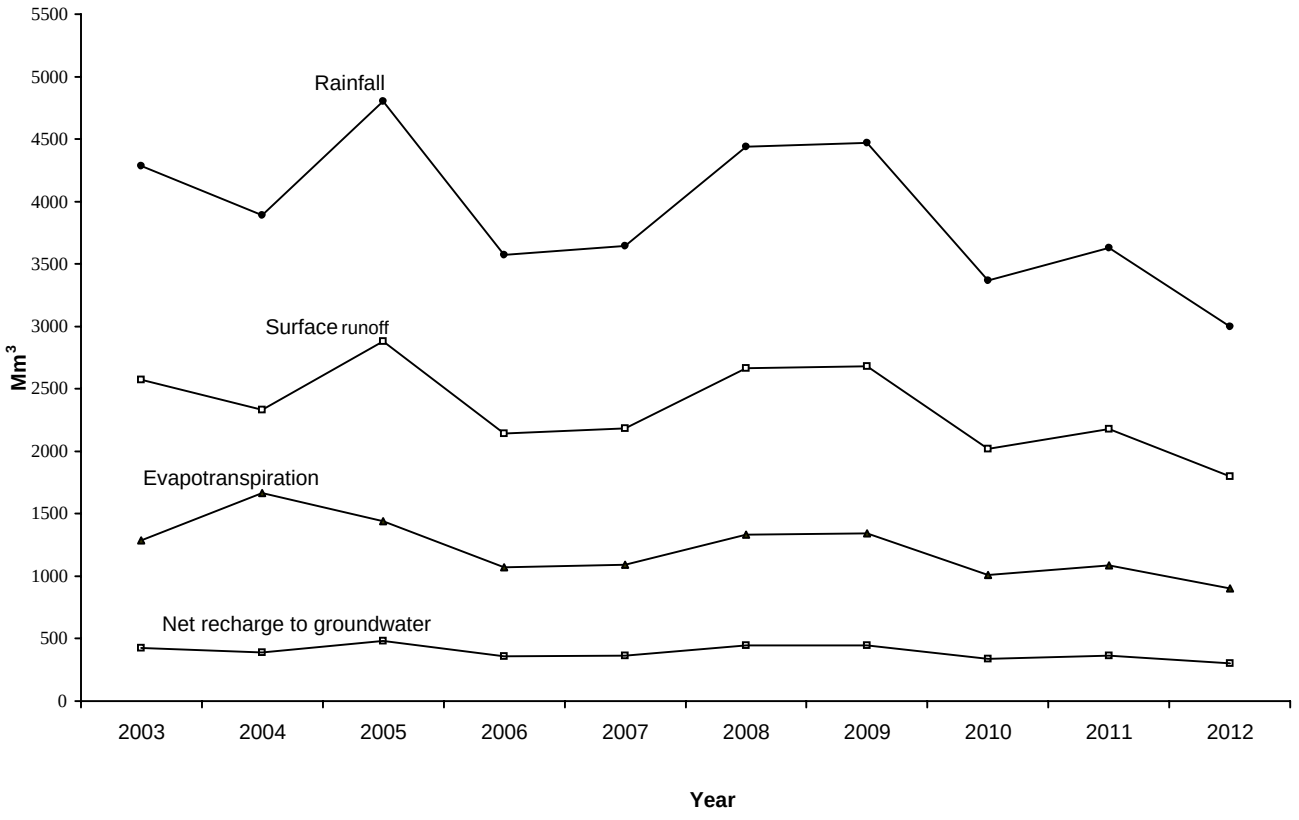


Table 4.5 - Water utilisation, 2011 - 2012

Mm^3

Use	2011				2012			
	Surface water		Ground water	Total	Surface water		Ground water	Total
	River-run offtakes	Reservoirs			River-run offtakes	Reservoirs		
Domestic, Industrial[1] and Tourism	35 [3]	59	111	**205**	35 [3]	62	109	**206**
Industrial[2]	5	-	5	**10**	5	-	6	**11**
Agricultural	305	45 [4]	6	**356**	299	59 [4]	7	**365**
Hydropower	113	68 [5]	-	**181**	114	104 [5]	-	**218**
Overall utilisation	**458**	**172**	**122**	**752**	**453**	**225**	**122**	**800**
Total water mobilisation	**437**	**148**	**122**	**707**	**435**	**190**	**122**	**747**

Source: Water Resources Unit, Ministry of Energy and Public Utilities

[1] used through CWA

[2] used by water right owners and ground water licensees

[3] includes water used by Reduit hydropower Station

[4] includes water used by Tamarind Falls and Magenta hydropower Stations

[5] includes water used for Tamarind Falls, Magenta, Le Val and Ferney hydropower Stations

Figure 13 - Water utilisation, 2012

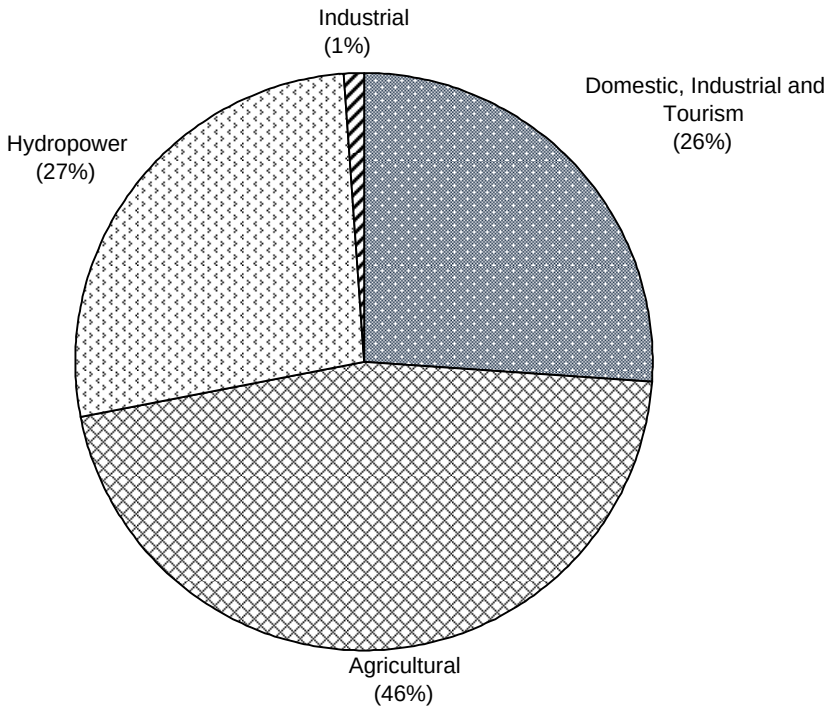


Table 4.6 - Fresh water abstractions[1] by source, 2003 - 2012[2]

Mm^3

Source	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Gross fresh surface water abstraction	**577**	**575**	**541**	**528**	**518**	**497**	**511**	**513**	**449**	**460**
Reservoirs	*169*	*167*	*154*	*146*	*145*	*137*	*150*	*152*	*104*	*121*
Rivers and streams	*408*	*408*	*387*	*382*	*373*	*360*	*361*	*361*	*345*	*339*
Gross ground water abstraction	**148**	**150**	**150**	**154**	**112**	**119**	**121**	**124**	**122**	**122**
Total	**725**	**725**	**691**	**682**	**630**	**616**	**632**	**637**	**571**	**582**

Source: Water Resources Unit, Ministry of Energy and Public Utilities

[1] for agricultural, domestic and industrial purposes.

[2] Hydrologic year (i.e. From November n-1 to October n, where n = year)

Table 4.7 - Fresh water abstractions[1] by sector, 2003 - 2012[2]

Mm^3

Sector	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Gross fresh surface water abstraction	**577**	**575**	**541**	**528**	**518**	**497**	**511**	**513**	**449**	**460**
Water supply industry (Central Water Authority)	*110*	*110*	*99*	*100*	*102*	*107*	*112*	*110*	*94*	*97*
Manufacturing	*-*	*-*	*-*	*5*	*5*	*5*	*5*	*5*	*5*	*5*
Agriculture, forestry and fishing	*467*	*465*	*442*	*423*	*411*	*385*	*394*	*398*	*350*	*358*
Gross ground water abstraction	**148**	**150**	**150**	**154**	**112**	**119**	**121**	**124**	**122**	**122**
Water supply industry (Central Water Authority)	*114*	*114*	*115*	*116*	*99*	*107*	*111*	*113*	*111*	*109*
Manufacturing	*10*	11	11	13	6	6	5	5	5	6
Agriculture, forestry and fishing	*24*	25	24	25	7	6	5	6	6	7
Total	**725**	**725**	**691**	**682**	**630**	**616**	**632**	**637**	**571**	**582**

Source: Water Resources Unit, Ministry of Energy and Public Utilities

[1] for agricultural, domestic and industrial purposes.

[2] Hydrologic year (i.e. From November n-1 to October n, where n = year)

Table 4.8 - Characteristics of major reservoirs

Name of reservoir / Characteristics	Mare aux Vacoas	Nicoliere	Piton du Milieu	Mare Longue	La Ferme	Tamarind Falls	Eau Bleue	Diamamove	Midlands Dam
Purpose	**Domestic**	**Domestic, Irrigation and Industrial**	**Domestic**	**Hydro - power and irrigation**	**Irrigation**	**Hydro - power and irrigation**	**Hydro - power**	**Hydro - power**	**Domestic, Irrigation and Industrial**
Total capacity (Mm^3)	25.89	5.26	2.99	6.28	11.52	2.30	4.10	4.30	25.50
Full reservoir level , m (a.m.s.l)[1]	566.35	249.02	438.00	576.91	146.00	492.36	355.00	241.00	395.00
Maximum water spread area (km^2)	5.60	1.02	0.76	1.05	2.28	1.68	0.75	0.43	2.98

Source: Water Resources Unit, Ministry of Energy and Public Utilities

[1] a.m.s.l : above mean sea level

Table 4.9 - Gross storage capacity of reservoirs

Mm^3

Reservoir	Gross capacity
Mare aux Vacoas[1]	25.89
Mare Longue	6.28
La Ferme[1]	11.52
Piton du Milieu[1]	2.99
La Nicoliere[1]	5.26
Tamarind Falls	2.3
Eau Bleue	4.1
Diamamove	4.3
Dagotiere	0.6
Valetta	2.0
Midlands Dam	25.5
Total Storage Capacity	**90.7**

Source: Water Resources Unit, Ministry of Energy and Public Utilities

[1] Based on hydrographic survey of 1997

Table 4.10 - Percentage water level by month and reservoir, 2011 - 2012

%

Month		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Mare aux Vacoas (Capacity 25.89 Mm^3)													
Normal*		***60***	***65***	***80***	***83***	***83***	***81***	***79***	***80***	***78***	***72***	***63***	***58***
2011	Mean	37	41	46	46	39	34	32	35	35	32	28	27
	Min	34	37	42	42	36	33	31	31	33	30	26	26
	Max	41	44	49	49	42	35	33	36	36	33	30	27
2012	Mean	25	27	38	62	86	89	86	83	78	72	64	55
	Min	24	23	33	51	77	87	85	81	76	68	60	52
	Max	27	30	49	76	90	90	88	85	81	75	68	59
La Nicoliere (Capacity 5.26 Mm^3)													
Normal*		***63***	***75***	***91***	***92***	***95***	***94***	***93***	***94***	***89***	***69***	***46***	***39***
2011	Mean	56	95	98	99	70	53	76	92	89	59	65	73
	Min	48	81	91	90	49	39	73	73	66	49	62	66
	Max	78	100	100	100	87	72	81	100	100	63	67	84
2012	Mean	75	64	97	100	100	100	97	94	55	61	57	41
	Min	56	44	81	100	100	98	89	80	42	55	39	39
	Max	87	78	100	100	100	100	100	100	78	64	63	44
Piton du Milieu (Capacity 2.99 Mm^3)													
Normal*		***64***	***72***	***88***	***89***	***91***	***86***	***83***	***83***	***81***	***73***	***60***	***57***
2011	Mean	34	69	99	95	82	74	72	85	90	83	70	65
	Min	30	44	99	88	76	72	71	73	87	77	63	57
	Max	43	98	100	99	88	76	74	92	92	86	77	70
2012	Mean	70	81	99	100	99	97	95	88	75	60	43	31
	Min	66	64	97	99	98	94	93	82	68	51	37	26
	Max	73	100	100	100	100	99	97	93	82	68	51	37
La Ferme (Capacity 11.52 Mm^3)													
Normal*		***23***	***30***	***64***	***75***	***77***	***69***	***58***	***49***	***37***	***25***	***13***	***10***
2011	Mean	41	64	95	98	90	81	72	64	58	49	40	33
	Min	38	49	83	93	83	79	66	61	54	45	36	31
	Max	47	82	100	100	94	83	79	66	61	54	45	36
2012	Mean	30	28	33	67	97	94	85	76	63	50	36	25
	Min	27	26	30	44	87	91	81	70	57	42	31	21
	Max	32	29	42	86	100	99	91	81	70	57	42	30
Mare Longue (Capacity 6.28 Mm^3)													
Normal*		***32***	***48***	***73***	***75***	***77***	***73***	***65***	***63***	***58***	***46***	***28***	***20***
2011	Mean	31	50	72	82	85	87	91	98	99	96	82	71
	Min	29	38	62	81	83	85	89	93	98	90	75	66
	Max	38	62	80	83	86	90	92	100	99	98	89	76
2012	Mean	60	53	57	73	86	85	81	74	66	59	50	40
	Min	54	50	54	65	83	84	77	70	63	54	46	36
	Max	66	55	63	82	89	88	83	77	70	63	54	45
Midlands Dam (Capacity 25.5 Mm^3)													
2011	Mean	37	49	72	84	87	83	79	87	94	93	80	72
	Min	33	39	59	82	86	81	79	80	92	88	72	66
	Max	41	59	82	86	88	86	81	92	95	96	87	78
2012	Mean	80	84	99	100	100	100	100	100	97	80	62	45
	Min	79	80	92	100	100	99	99	100	91	71	56	37
	Max	82	90	100	100	100	100	100	100	100	90	70	55
All reservoirs excluding Midlands Dam (Capacity 51.94 Mm^3)													
Normal*		***49***	***56***	***77***	***82***	***83***	***79***	***75***	***73***	***68***	***58***	***46***	***41***
2011	Mean	39	54	68	70	61	55	55	58	56	49	43	40
	Min	36	45	62	66	56	52	53	53	52	47	40	39
	Max	44	63	72	72	65	56	56	60	59	52	46	41
2012	Mean	38	37	49	71	91	91	87	82	71	64	54	44
	Min	34	32	44	59	84	90	85	77	67	59	48	41
	Max	41	42	57	83	94	93	90	85	77	67	59	48

***** Normal is the long term mean for 1990-1999

Source: Water Resources Unit

Table 4.11 - Average monthly potable water production from treatment plants and boreholes to distribution systems, 2012

Mm^3

Month	Mare Aux Vacoas (Upper)			Mare Aux Vacoas (Lower)			Port -Louis			District water supply - North			District water supply - South			District water supply - East			Total production				
	Surface	Borehole	Total	Surface	Borehole	Total	Surface	Borehole	Total	Surface	Borehole	Total	Surface	Borehole	Total	Surface	Borehole	Total	Surface	Borehole	Total	Surface (%)	Borehole (%)
Jan	2.2	0.5	2.7	-	2.2	2.2	1.8	1.0	2.8	2.2	1.9	4.1	0.9	1.5	2.4	1.0	1.8	2.8	8.1	8.9	17.0	47.6	52.4
Feb	2.2	0.5	2.7	-	2.1	2.1	1.6	1.0	2.6	2.0	1.8	3.8	0.8	1.4	2.2	1.0	1.7	2.7	7.6	8.5	16.1	47.2	52.8
Mar	2.3	0.6	2.9	-	2.5	2.5	1.7	1.3	3.0	2.2	1.8	4.0	0.9	1.5	2.4	1.1	1.8	2.9	8.2	9.5	17.7	46.3	53.7
Apr	2.3	0.6	2.9	-	2.6	2.6	1.7	1.4	3.1	2.1	1.9	4.0	0.9	1.5	2.4	0.9	1.8	2.7	7.9	9.8	17.7	44.6	55.4
May	3.1	0.5	3.6	-	2.7	2.7	1.8	1.3	3.1	2.1	1.9	4.0	0.9	1.6	2.5	1.0	1.7	2.7	8.9	9.7	18.6	47.8	52.2
Jun	3.2	0.5	3.7	-	2.7	2.7	2.0	1.2	3.2	2.1	1.9	4.0	0.9	1.6	2.5	1.0	1.6	2.6	9.2	9.5	18.7	49.2	50.8
Jul	3.4	0.5	3.9	-	2.9	2.9	2.0	1.0	3.0	2.2	2.0	4.2	0.9	1.7	2.6	1.0	1.8	2.8	9.5	9.9	19.4	49.0	51.0
Aug	3.5	0.5	4.0	-	2.7	2.7	2.0	1.0	3.0	2.1	2.0	4.1	0.9	1.6	2.5	1.0	1.7	2.7	9.5	9.5	19.0	50.0	50.0
Sep	3.4	0.5	3.9	-	2.4	2.4	1.8	1.1	2.9	2.0	1.8	3.8	0.9	1.4	2.3	1.1	1.4	2.5	9.2	8.6	17.8	51.7	48.3
Oct	3.5	0.5	4.0	-	2.5	2.5	1.8	1.2	3.0	2.0	1.7	3.7	0.9	1.5	2.4	1.0	1.5	2.5	9.2	8.9	18.1	50.8	49.2
Nov	3.4	0.5	3.9	-	2.3	2.3	1.8	1.1	2.9	2.4	1.6	4.0	0.9	1.4	2.3	0.8	1.4	2.2	9.3	8.3	17.6	52.8	47.2
Dec	3.5	0.5	4.0	-	2.1	2.1	1.6	1.1	2.7	2.3	1.7	4.0	0.9	1.5	2.4	0.8	1.4	2.2	9.1	8.3	17.4	52.3	47.7
Total year	**36.0**	**6.2**	**42.2**	**-**	**29.7**	**29.7**	**21.6**	**13.7**	**35.3**	**25.7**	**22.0**	**47.7**	**10.7**	**18.2**	**28.9**	**11.7**	**19.6**	**31.3**	**105.7**	**109.4**	**215.1**	**49.1**	**50.9**

Source: Central Water Authority

Table 4.12 - Water sales by tariff of subscriber, 2007 - 2011 (*Island of Mauritius*)

Type of tariff	2007	2008	2009	2010	2011	2007	2008	2009	2010	2011
	No. of subscribers					Volume sold (thousand m³)				
Domestic	278,625	284,592	292,294	299,300	305,121	73,007	72,093	75,119	76,521	73,657
Government	3,879	4,053	4,184	4,224	4,288	4,686	4,788	4,956	4,887	4,444
Acquired / concessionary prises	43	44	43	39	39	16	15	14	14	15
Commercial	11,260	11,855	12,822	13,308	13,696	6,743	7,086	7,543	7,973	7,423
Hotels, Guest Houses	224	264	280	297	307	4,429	4,595	4,652	5,057	5,154
Industrial	744	716	697	661	648	4,827	3,995	4,055	4,285	4,258
Ship	1	1	1	1	1	38	50	52	48	49
Sub total	***294,776***	***301,525***	***310,321***	***317,830***	***324,100***	***93,746***	***92,622***	***96,392***	***98,785***	***95,000***
Vegetable & Livestock producers	3,129	3,281	3,611	3,774	3,915	1,421	1,403	1,455	1,536	1,456
Total potable water	**297,905**	**304,806**	**313,932**	**321,604**	**328,015**	**95,167**	**94,025**	**97,847**	**100,321**	**96,456**
Total non-treated water *(Agriculture/Industrial)*	**278**	**286**	**294**	**296**	**311**	**15,490**	**14,799**	**12,419**	**14,678**	**16,912**
Grand Total	**298,183**	**305,092**	**314,226**	**321,900**	**328,326**	**110,657**	**108,824**	**110,266**	**114,999**	**113,369**
Type of tariff	**Amount collectible Rs.(000)**					**Average sales price (Rs/m³)**				
Domestic	549,907	509,134	536,537	550,641	516,810	7.53	7.06	7.14	7.20	7.02
Government	84,235	85,883	88,736	86,815	78,037	17.98	17.94	17.91	17.77	17.56
Acquired / concessionary prises	117	87	73	78	103	7.31	5.87	5.04	5.41	6.73
Commercial	115,157	120,113	127,860	134,923	124,182	17.08	16.95	16.95	16.92	16.73
Hotels, Guest Houses	129,650	134,117	135,515	147,363	148,415	29.27	29.19	29.13	29.14	28.80
Industrial	72,998	59,782	60,900	64,151	63,870	15.12	14.96	15.02	14.97	15.00
Ship	1,070	1,399	1,469	1,412	1,392	28.00	28.00	28.00	29.19	28.43
Sub total	***953,134***	***910,515***	***951,088***	***985,383***	***932,809***	***10.17***	***9.83***	***9.87***	***9.98***	***9.82***
Vegetable & Livestock producers	11,282	11,024	11,735	12,058	11,055	7.94	7.86	8.06	7.85	7.59
Total potable water	**964,416**	**921,539**	**962,823**	**997,441**	**943,864**	**10.13**	**9.80**	**9.84**	**9.94**	**9.79**
Total non-treated water *(Agriculture/Industrial)*	**41,120**	**40,316**	**35,985**	**38,349**	**42,269**	**2.65**	**2.72**	**2.90**	**2.61**	**2.50**
Grand Total	**1,005,536**	**961,855**	**998,808**	**1,035,790**	**986,133**	**9.09**	**8.84**	**9.06**	**9.01**	**8.70**

Table 4.12 (cont'd) - Water sales by tariff of subscriber, 2012 (Island of Mauritius)

Type of Tariff [2/]	No. of consumers	Volume sold (thousand m^3)	Amount Collectible (Rs 000)	Average sales price per m^3 (Rupees)	Average consumption (m^3)
Domestic	310,992	72,920	689,711	9.46	234
Public Sector Agency	2,497	3,776	89,744	23.77	1,512
Acquired / concessionary prises	38	174	228	1.31	4566
Business	1,109	6,516	223,271	34.26	5,876
Commercial	13,434	5,998	156,871	26.16	446
Religious	1,910	582	11,292	19.41	305
Industrial	625	3,866	69,759	18.04	6,186
Sub total	330,605	93,832	1,240,877	13.22	284
Agriculture	3,833	1,367	19,656	14.38	357
Total potable water	334,438	95,199	1,260,532	13.24	285
Total non-treated water *(Mainly for Agriculture and Industry)*	323	16,122	62,061	3.85	49,914
Grand Total	**334,761**	**111,321**	**1,322,593**	**11.88**	**333**

1/ consumers metered by CWA

2/ The water supply regulations of 2011, effective as from Jan 2012, changed the tariffs and categories of subscribers.
Source: Central Water Authority

Table 4.13 – Daily per capita domestic and potable water consumption, 2003 – 2012

Litres/day

Year	Daily per capita domestic water consumption [1]	Daily per capita potable water consumption [1]
2003	166.0	207
2004	165.0	206
2005	167.0	213
2006	158.0	212
2007	167.0	213
2008	163.0	209
2009	166.0	217
2010	167.0	221
2011	162.0	212
2012 [2]	160.0	207

Source: Central Water Authority [1] Revised [2] Provisional

Figure 14 - Daily per capita domestic and potable water consumption, 2003 - 2012

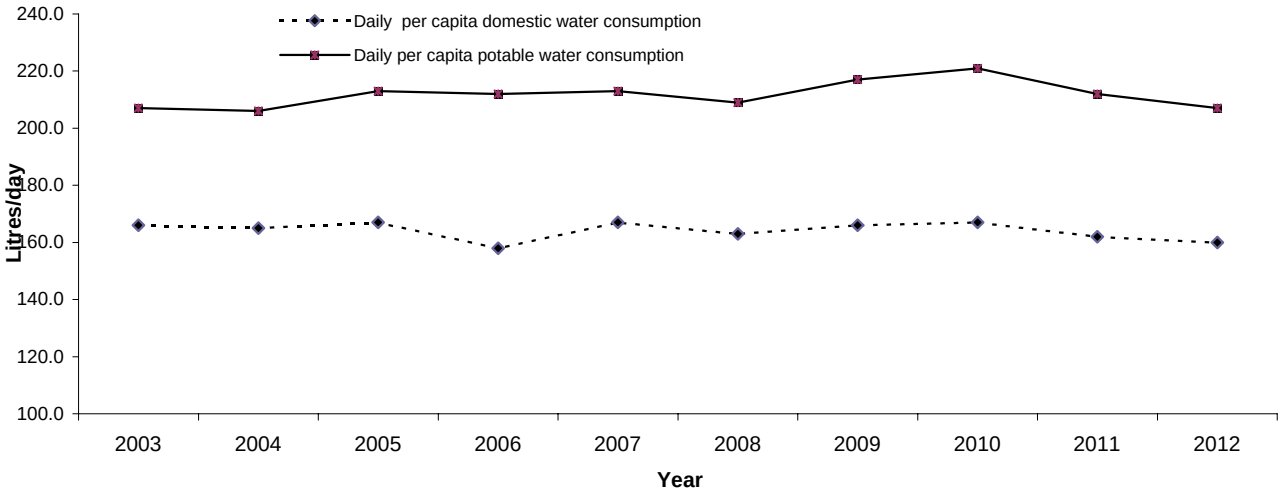


Table 4.14 - Volume of water used by the Central Electricity Board for hydropower generation, 2003 - 2012

Mm^3

Power station	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Champagne	108	117	105	62	61	91	105	87	44	69
Ferney	119	117	116	79	95	99	125	100	77	82
Tamarind Falls	34	37	37	26	27	22	33	29	11	13
Le Val	15	17	14	10	13	16	13	13	3	10
Reduit	30	30	26	21	20	30	36	20	21	18
Cascade Cecile	21	14	8	7	17	20	23	19	11	12
Magenta	17	13	25	17	16	5	17	22	10	12
La Ferme	-	-	-	5	5	9	14	8	4	2
Total	**344**	**345**	**331**	**227**	**254**	**292**	**366**	**298**	**181**	**218**

Source: Central Electricity Board

Table 4.15 - Guidelines for inland surface water[1] quality, 1998

Parameters	Unit	Maximum Limits
Inorganics		
Boron	µg/l	0.75
Cadmium	"	0.70
Chlorine Residual	"	2.0
Chromium (total)	"	2.0
Copper	"	6.5
Cyanide	"	5.2
Dissolved Oxygen	mg/l	6.0[2]
Iron	mg/l	1.0
Lead	µg/l	1.3
Mercury	"	0.1
Methyl Mercury compounds	"	0.012
Nickel	"	87.6
pH		6.5 - 9.0
Selenium	µg/l	1.0
Silver	"	1.2
Zinc	"	59
Sulphide H_2S	"	2.0
Phosphate (for a lake)	"	25
(for streams entering a lake)	"	50
(for streams not entering a lake)	"	100
Organics		
Dieldrin	µg/l	0.0019
Chlordane	"	0.0043
Pentachlorophenol (for pH 6.5 - 7.5)	"	3.5 - 9.5
DDT	"	0.001
Endosulfan (alpha and beta forms)	"	0.056
Endrin	"	0.0023
Guthion	"	0.01
Lindane	"	0.08
Oil and Greases	"	Undetectable
PCBs	"	0.014
Suspended solids (at background concentration <100 mg/l	mg/l	10
(when background conc.> 100 mg/l)	mg/l	10% of background concentration

Source: Ministry of Environment and Sustainable Development .

[1] Water of river, watercourse, stream, lake, pond, dam or reservoir.

[2] Lower limit at 25^0 C.

Table 4.16 - River water quality by selected physico-chemical parameters, 2012

Rivers	Parameters										
			mg/L								
	Temperature °C	pH	Dissolved Oxygen (DO)	Total Suspended Solids	Phosphorus as P	Chemical Oxygen Demand	Chloride	Sodium	Potassium	Calcium	Magnesium
Riv. du Rempart *(RR01,RR02 and RR06 consecutively)*	24-27 24-28 25.7-29	6.9-7.7 7.5-7.6 7.0-7.1	5.1-7.4 7.0-7.9 4.1-6.9	NA	0.01-0.05 0.02-0.03 0.01-0.04	ND-<50 ND-<50 Nd-<50	20.1-23.4 20.4-23.8 26.2-32.4	15.9-18.6 16.3-19.5 19.5-23.6	0.7-1.1 0.6-1.2 1.2-1.6	14.82-24.57 13.83-20.72 17.10-23.14	6.76-12.39 8.42-11.63 10.03-21.44
Riviere Plaine Wilhems	22.8-26	7.3-7.6	6.6-7.7	NA	0.01-0.02	ND-<50	13.5-17.9	14-15.5	0.4-1.4	21.36-34.5	8.35-13.21
Riviere du Poste	23.9-27	7.6-8.1	6.8-7.9	NA	0.01-0.03	<50	16.7-20.6	14.6-16.8	0.6-2.5	15.09-20.9	12.48-15.6
River Moka	22-25	7.3-7.5	6.9-7.7	NA	<0.01-0.01	<50	15.4-17.5	11.3-14.8	0.1-0.7	10.55-35	6.6-10.58
Riviere Labourdonnais	23.8-27	7.7-8.2	7.4-8.6	NA	0.01-0.03	ND-<50	28.8-38	23.9-25.5	0.3-2.3	21.31-26.66	7.76-18.2
Riviere Francoise	24.1-26	7.5-8.0	7.5-8.1	NA	0.01-0.03	ND-<50	15.3-15.9	12.2-13.5	0.7-0.9	9.18-19.26	7.10-7.60
Riv. des Creoles	23.5-26.0	7.1-7.2	5.3-5.4	NA	<0.01-0.02	ND-<50	9.5-10.8	10.4-10.6	0.6	27.47	7.7
Riv. Cascade	23.-25	7.8-7.9	7.8-8.4	NA	0.01-0.02	ND-<50	16.2-20.5	10.3-12.5	0.6-0.8	13.92-31.55	8.24-9.63
Riv. des Anguilles	23.5-28	7.9	5.3-8.2	NA	<0.01-0.02	ND-<50	9.5-12.6	10.4-11.4	0.6-0.7	16.6-27.47	6.88-11.53
Black River	26	6.8	4.7	NA	0.02	ND	15.8	15.8	0.7	31.2	8.15
Grand River South East	24-27	7.6-7.9	7.7-8.4	NA	0.01-0.03	ND-<50	14.1-15.9	11.0-13.5	0.7-0.8	9.61-15.21	7.86-9.00
Riv. La Chaux	24.9-29	7.6-7.8	7.1-7.9	NA	<0.01-0.03	1-<50	12.2-13.9	12.4-13.3	0.6-0.9	23.03	6.73
Riv. des Galets	27	8.1	8.3	NA	0.03	3	11.7	13.1	1.2	16.80-31.55	8.24-9.13
Riv. Baie du Cap	25	7.6	7.4	NA	0.02	ND	13.4	14.5	1.5	27.47	7.7

Source: National Environmental Laboratory, Ministry of Environment and Sustainable Development
NA: Not analysed
ND:Not detected

Table 4.17 - Range of levels of Nitrate-Nitrogen, Phosphate and Chemical Oxygen Demand (COD) for selected regions, 2012

Milligram per litre

Region	Chemical water quality parameter		
	Nitrate-Nitrogen (NO_3^- - N)	Phosphate (PO_4^{3})	Chemical Oxygen demand (COD)
Ile aux Benitiers	<0.1	0.03 - 0.05	1.3 - 2.0
Bel Ombre	<0.1	0.01 - 0.07	0.5 - 1.9
Bambous Virieux	<0.1	0.0 - 0.10	0.1 - 2.4
Trou D'Eau Douce	<0.1 - 0.2	0.04 - 0.17	0.3 - 1.4
Anse la Raie	<0.1	0.04 - 0.16	0 - 1.4
Trou aux Biches	<0.1 - 0.8	0.01 - 0.08	0.1 - 1.3
Pointe aux Sables	<0.1 - 0.7	0.02 - 0.08	0 - 1.6
Tombeau Bay	<0.1	0.04 - 0.22	0.2 - 1.6
Port Louis Harbour	<0.1 - 0.2	0.05 - 0.10	0.1 - 2.2

Source: Albion Fisheries Research Centre, Ministry of Fisheries

Table 4.18 - Volume of wastewater treated by public treatment stations, 2003 - 2012

Mm^3

Station	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Montagne Jacquot	8.10	5.06	5.20	7.84	-	10.00	16.50	11.40	17.25	11.50
Baie du Tombeau	8.26	8.27	8.27	8.40	8.20	8.21	8.21	8.21	8.94	8.70
Pailles TP	0.11	0.12	0.18	0.07	0.07	0.10	0.10	0.10	0.10	0.10
B. Marchand	0.26	0.27	0.19	0.17	0.17	0.20	0.20	0.20	0.20	0.20
Riviere du Rempart	0.05	0.05	0.05	0.05	0.06	0.10	0.10	0.10	0.10	0.10
Grand Bay	-	-	-	-	-	0.60	0.60	0.60	0.60	0.77
St. Martin	10.89	13.10	13.88	14.93	15.50	16.70	15.95	14.00	12.64	14.90
Robinson	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Vuillemin	0.07	0.07	0.07	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Flacq	0.03	0.18	0.23	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Dubreuil	1.22	0.68	0.68	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Total	**29.01**	**27.82**	**28.77**	**31.79**	**24.33**	**36.24**	**41.99**	**34.94**	**40.16**	**36.60**

Source : Wastewater Management Authority

Table 4.19 - Sea water quality in coastal area - (Terre Rouge Rivulet Bird Sanctuary), 2003 - 2012

Variable	Unit	2003	2004	2005	2006	2007	2008 [1]	2009	2010	2011	2012
Chemical Oxygen Demand (COD)	mg O_2/l	1.1 - 3.1	0.01 - 1.61	0.1- 1.2	0.9 - 2.5	0.8 - 3.8	0.6 - 2.1	0.1 - 1.3	0.3 - 0.5	0.3 - 2.4	0.10 - 0.5
Total Phosphorus[1]	mg PO_4^{3-}/l	0.02 - 0.21	0.01- 0.13	0.01 - 0.22	0.01 - 0.15	0.03 - 0.12	0.04 - 0.13	0.01 - 0.19	0.03 - 0.22	0.01 - 0.15	0.07 - 0.21
Total Nitrogen[2]	mg NO_3^- - N/l	<0.1 - 0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Source : Albion Fisheries Research Centre, Ministry of Fisheries

[1] Data given are for the variable Phosphate

[2] Data given are for the variable Nitrate-nitrogen

Note : All values for Total Nitrogen below detection limit are taken as <0.1.

Table 4.20 - New cases of certain notifiable diseases reported to sanitary authorities, 2003- 2012

Number

Disease / Year	Amoebiasis	Food Poisoning	Infective Hepatitis	Leptospirosis	Malaria [1]	Typhoid fever
2003	-	60	20	3	40	2
2004	-	160	19	3	45	1
2005	-	29	12	6	35	5
2006	1	78	5	6	38	4
2007	-	766	5	9	42	15
2008	-	129	4	3	27	6
2009	-	718	23	7	23	5
2010	-	156	28	28	52	3
2011	-	445	35	17	54	5
2012	-	264	2	16	30	4

Source : Statistics Unit, Ministry of Health and Quality of Life

[1] No new cases of indigenous malaria have been reported from 2003 - 2012

Note: No new cases of schistosomiasis have been reported from 2003 - 2012

Table 4.21 - Enteritis and other diarrhoeal diseases, 2003 - 2012

Number

Year	Cases treated as in-patients in government hospitals					Deaths in whole island				
	Under one Year	1 - 4 Years	5 - 14 Years	15 Years and over	Total	Under one Year	1 - 4 Years	5 - 14 Years	15 Years and over	Total
2003	487	1,029	528	2,515	4,559	3	2	1	7	13
2004	566	2,044	1,024	2,218	5,852	6	5	-	6	17
2005	538	1,380	648	2,588	5,154	1	1	-	8	10
2006	742	2,373	975	3,853	7,943	2	2	-	24	28
2007	636	1,483	945	3,260	6,324	2	-	-	11	13
2008	771	2,073	818	3,584	7,246	1	2	1	16	20
2009	545	1,220	722	2,989	5,476	1	2	-	22	25
2010	513	1,482	830	3,073	5,898	1	1	-	26	28
2011	646	1,467	965	4,061	7,139	1	3	-	23	27
2012	406	827	838	3,590	5,661	2	-	1	29	32

Source : Statistics Unit, Ministry of Health and Quality of Life

Table 4.22 - Sea transport [1], 2003 - 2012

Period	Number of vessels entering	Goods unloaded (000t)	Goods loaded[2] (000t)
2003 [3]	2,128	4,345	1,203
2004 [3]	2,015	4,549	1,304
2005 [3]	2,318	4,406	1,197
2006 [3]	2,428	4,433	1,253
2007 [3]	2,317	5,062	1,165
2008	2,008	5,140	1,155
2009 [3]	2,079	4,761	1,110
2010	2,172	5,100	1,130
2011 [3]	2,654	5,387	1,091
2012 [4]	3,476	5,933	1,142

[1] exclude fishing vessels berthed in Port Louis only.

[2] exclude bunkers

[3] Revised

[4] Provisional

Table 4.23 - Contraventions established by the National Coast Guard, 2003 - 2012

Year	Illegal fishing activities	Beach offences	Illegal pleasure craft activities	Miscellaneous [1]	Total
2003	59	43	650	459	1,211
2004	44	137	531	149	861
2005	42	202	430	102	776
2006	51	194	505	91	841
2007	39	150	425	95	709
2008	54	135	438	123	750
2009	75	149	580	178	982
2010	64	113	703	181	1,061
2011	213	284	536	330	1,363
2012	161	268	678	475	1,582

[1] As from 2011, include contraventions for road traffic offenses

Source: Police Department

Figure 15 - Contraventions established by National Coast Guard, 2003 - 2012

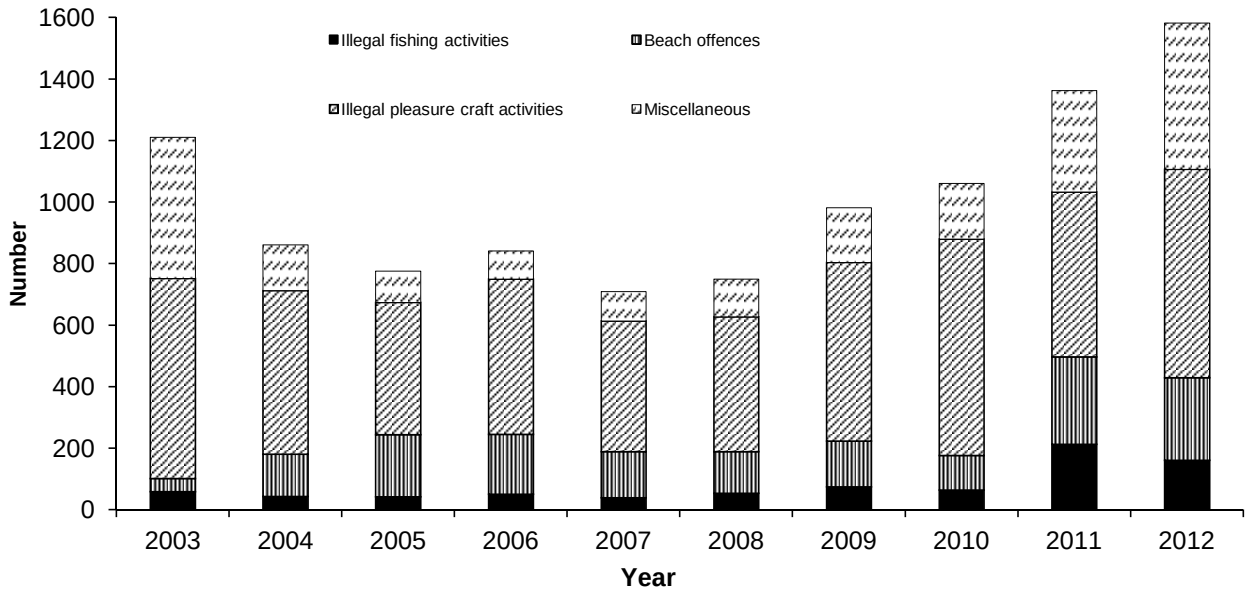


Table 4.24 - Mean sea surface temperature around the Island of Mauritius, 2003 - 2012

Degrees celcius

Year		January	February	March	April	May	June	July	August	September	October	November	December	Average for the year
2003	Mean	27.7	28.1	27.9	27.2	26.5	25.4	23.9	23.1	23.4	23.9	25.5	26.7	**25.8**
	Difference from Normal	*-0.3*	*-0.4*	*-0.1*	*-0.1*	*-0.4*	*-0.4*	*0.1*	*0.4*	*0.1*	*0.2*	*-0.3*	*-0.1*	
2004	Mean	26.9	28.6	27.7	27.7	27.3	24.6	23.9	23.6	23.4	24.0	25.3	26.5	**25.8**
	Difference from Normal	*0.5*	*-0.9*	*0.1*	*-0.6*	*-1.2*	*0.4*	*0.1*	*-0.1*	*0.1*	*0.1*	*-0.1*	*0.1*	
2005	Mean	27.8	28.6	28.0	27.4	26.5	25.0	24.1	24.0	23.5	24.9	24.9	26.3	**25.9**
	Difference from Normal	*-0.4*	*-0.9*	*-0.2*	*-0.3*	*-0.4*	*0.0*	*-0.1*	*-0.5*	*0.0*	*-0.8*	*0.3*	*0.3*	
2006	Mean	27.7	27.1	27.5	27.5	27.3	24.5	24.1	23.5	23.8	24.1	25.1	26.7	**25.7**
	Difference from Normal	*-0.3*	*0.6*	*0.3*	*-0.4*	*-1.2*	*0.5*	*-0.1*	*0.0*	*-0.3*	*0.0*	*0.1*	*-0.1*	
2007	Mean	27.7	28.6	27.2	26.8	26.2	25.3	24.3	23.8	23.6	24.0	25.5	26.1	**25.8**
	Difference from Normal	*0.3*	*0.9*	*-0.6*	*-0.3*	*0.1*	*0.3*	*0.3*	*0.3*	*0.1*	*-0.1*	*0.3*	*-0.5*	
2008	Mean	26.8	27.7	27.2	27.0	26.4	25.2	23.6	23.5	23.9	24.3	26.1	27.7	**25.8**
	Difference from Normal	*-0.6*	*0.0*	*-0.6*	*-0.1*	*0.3*	*0.2*	*-0.4*	*0.0*	*0.4*	*0.2*	*0.9*	*1.1*	
2009	Mean	29.5	28.5	28.7	28.3	27.1	26.1	25.1	24.1	24.1	24.8	25.8	27.6	**26.6**
	Difference from Normal	*2.1*	*0.8*	*0.9*	*1.2*	*1.0*	*1.1*	*1.1*	*0.6*	*0.6*	*0.7*	*0.6*	*1.0*	
2010	Mean	*28.2*	*29.0*	*28.6*	*28.6*	*27.7*	*26.0*	*25.0*	*24.7*	*24.0*	*25.0*	*26.2*	*27.2*	**26.7**
	Difference from Normal	*0.8*	*1.3*	*0.8*	*1.5*	*1.6*	*1.0*	*1.0*	*1.2*	*0.5*	*0.9*	*1.0*	*0.6*	
2011	Mean	*28.2*	*28.2*	*28.6*	*28.1*	*27.0*	*26.1*	*24.0*	*24.1*	*24.0*	*24.8*	*26.7*	*27.4*	**26.4**
	Difference from Normal	*0.8*	*0.5*	*0.8*	*1.0*	*0.9*	*1.1*	*0.0*	*0.6*	*0.5*	*0.7*	*1.5*	*0.8*	
2012	Mean	*28.5*	*29.1*	*28.1*	*28.7*	*26.6*	*25.4*	*24.5*	*23.9*	*23.7*	*24.4*	*25.3*	*26.7*	***26.2***
	Difference from Normal	*1.1*	*1.4*	*0.3*	*1.6*	*0.5*	*0.4*	*0.5*	*0.4*	*0.2*	*0.3*	*0.1*	*0.1*	
Mean 1971 - 2000		**27.4**	**27.7**	**27.8**	**27.1**	**26.1**	**25.0**	**24.0**	**23.5**	**23.5**	**24.1**	**25.2**	**26.6**	**25.7**

Source : Meteorological Services

Table 4.25 - Percentage distribution of households by type of water supply and other amenities available, Republic of Mauritius, 2000 and 2011 Housing Censuses.

Amenity available	Housing Censuses	
	2000 (%)	2011 (%)
1.Water supply		
(i) Piped water inside house	83.7	94.2
(ii) Piped water outside on premises	14.5	5.2
(iii) Public fountain, well, rivers , etc.	1.8	0.6
2. Availability of water tank / Reservoir	36.4	49.5
3. Bathroom		
(i) With running water	89.0	95.5
(ii) Without running water	10.1	4.0
(iii) None	1.0	0.5
4. Toilet		
(i) Flush toilet	88.8	96.4
(ii) Pit latrine	11.0	3.4
(iii) Other and None	0.2	0.2

CHAPTER 5

LAND

Table 5.1 - Land use by category, 1995 and 2005

Land use	1995		2005 [1]		Change	
	Hectares	%	Hectares	%	Hectares	%
Sugar cane plantations	76,840	41.2	72,000	38.6	-4,840	-6.3
Tea plantations	3,660	2.0	674	0.4	-2,986	-81.6
Other agricultural activities	6,000	3.2	8,000	4.3	2,000	33.3
Total agricultural land	**86,500**	**46.4**	**80,674**	**43.3**	**-5,826**	…
Forests, scrubs & grazing lands	57,000	30.6	47,200	25.3	-9,800	-17.2
Infrastructure	4,000	2.1	4,500	2.4	500	12.5
Inland water resource systems	2,600	1.4	2,900	1.6	300	11.5
Built-up areas	36,400	19.5	46,500	24.9	10,100	27.7
Abandoned cane fields	…	…	4,726	2.5	…	…
Total	**186,500**	**100.0**	**186,500**	**100.0**		

Source : SIFB - Sugar cane Plantation,Tea Board - Tea Plantation, Climate Change Activities Report, May 2006 - other

[1] Estimates

Figure 16 - Land use by category, 2005

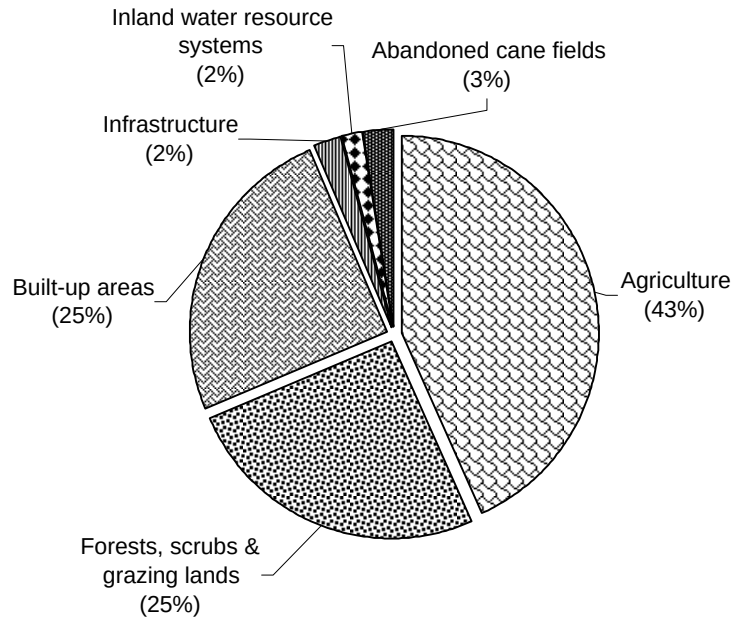


Table 5.2 - Effective area under cultivation of sugarcane, tea and tobacco, 2003- 2012

Hectares

Crops	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Sugarcane	74,117	72,955	71,583	70,801	67,524	65,710	64,120	62,100	59,724	57,300
Tea	681	674	670	688	709	701	713	698	651	669
Tobacco	379	353	348	252	258	256	230	210	222	173

Figure 17 - Effective area under cultivation, 2003 – 2012

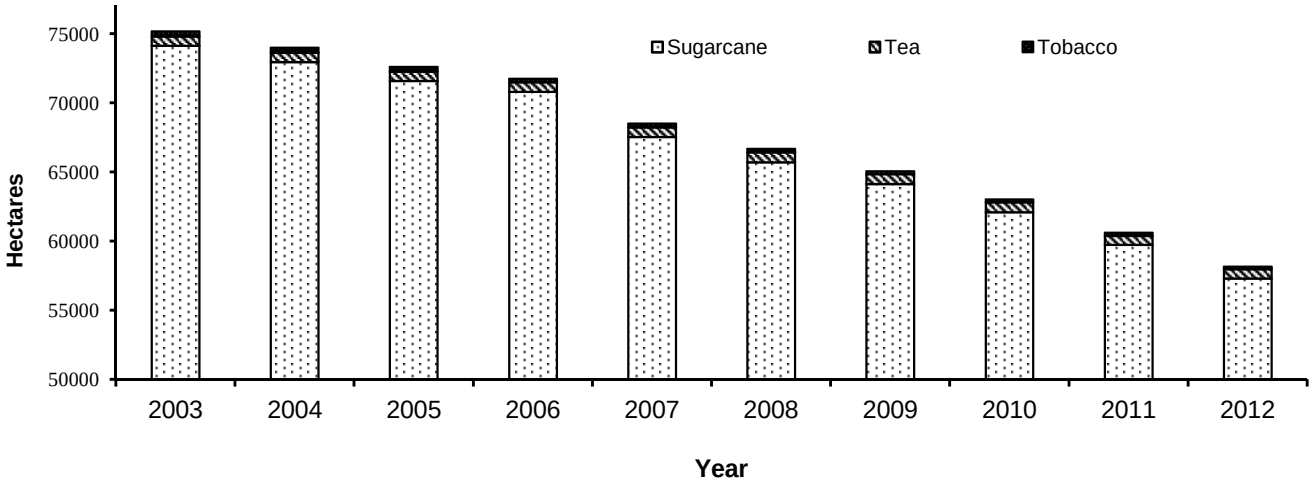


Table 5.3 - Road network, 2003 - 2012

Year	Length of roads (km)					% of roads paved	Density of total network in km per sq km [1]	Number of vehicles per km of road
	Motorways	Main roads	Secondary roads	Other roads	Total			
2003	75	950	592	398	2,015	98	1.08	137
2004	75	955	592	398	2,020	98	1.08	144
2005	75	955	592	398	2,020	98	1.08	151
2006	75	955	593	398	2,021	98	1.08	158
2007	75	962	593	398	2,028	98	1.09	165
2008	75	962	593	398	2,028	98	1.09	173
2009	75	1,000	593	398	2,066	98	1.11	177
2010	75	1,014	593	398	2,080	98	1.12	185
2011	82	1,035	595	400	2,112	98	1.13	190
2012	86	1,068	595	400	2,149	98	1.15	196

[1] density of total network in km per sq km is the ratio of the total number of km of roads to the area of Mauritius (1,865 sq km)

Table 5.4 - Number of accidents by severity of accident, 2003 - 2012

Year	Severity of accident				
	Fatal	Serious	Slight	No injury	Total
2003	121	211	1,729	17,177	19,238
2004	131	184	1,845	17,335	19,495
2005	116	295	1,733	20,410	22,554
2006	122	296	1,529	18,295	20,242
2007	133	403	1,654	18,329	20,519
2008	162	380	1,681	18,650	20,873
2009	129	405	1,946	17,062	19,542
2010	151	487	1,911	18,694	21,243
2011 [1]	132	407	1,865	19,983	22,387
2012 [2]	144	450	2,135	18,466	21,195

[1] Revised [2] Provisional

Table 5.5 - Imports of fertilisers and pesticides (Agricultural Inputs), 2003 - 2012

Tonnes

Year	2003	2004	2005	2006	2007	2008	2009	2010	2011 [1]	2012 [2]
Fertilizers	64,081	48,749	61,605	55,313	45,336	46,677	57,169	46,282	54,356	52,739
Pesticides	2,222	2,072	2,141	2,387	1,965	2,249	2,324	2,383	2,272	2,086
Insecticides	*809*	*642*	*707*	*1,288*	*648*	*645*	*837*	*948*	*904*	*843*
Fungicides	*201*	*210*	*242*	*188*	*212*	*210*	*207*	*229*	*257*	*196*
Weedkillers	*1,212*	*1,220*	*1,192*	*911*	*1,105*	*1,394*	*1,280*	*1,206*	*1,111*	*1,047*

[1] Revised [2] Provisional

Figure 18 - Imports of fertilisers and pesticides (Agricultural Inputs), 2003 - 2012

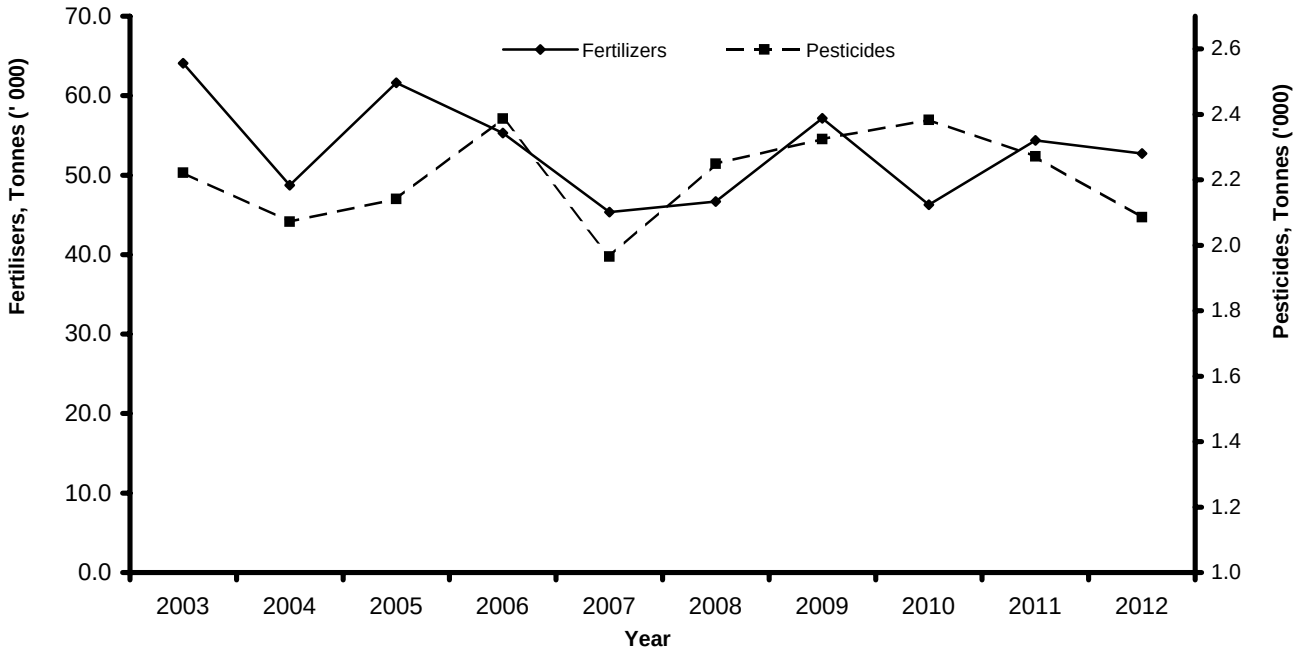


Table 5.6 - Imports of fertilisers and pesticides (Agricultural inputs), 2003 - 2012

Year	Fertilizers		Pesticides	
	Quantity (tonnes)	Value CIF (Rs mn)	Quantity (tonnes)	Value CIF (Rs mn)
2003	64,081	314.8	2,222	295.1
2004	48,749	309.9	2,072	289.6
2005	61,605	536.5	2,141	312.6
2006	55,314	471.2	2,387	397.7
2007	45,336	476.2	1,965	325.4
2008	46,677	935.2	2,249	410.1
2009	57,169	832.2	2,324	388.6
2010	46,282	585.7	2,383	390.4
2011 [1]	54,356	816.2	2,272	374.9
2012 [2]	52,739	834.9	2,086	363.3

[1] Revised [2] Provisional

Table 5.7 - Land under irrigation, 2003 - 2012

Hectares

Year	Overhead	Surface	Drip	Total
2003	17,706	2,032	1,881	21,619
2004	17,548	1,837	2,032	21,417
2005	16,761	1,768	2,129	20,658
2006	17,576	1,737	2,109	21,422
2007	17,602	1,618	2,101	21,321
2008	18,264	1,053	2,140	21,457
2009	18,818	875	1,850	21,543
2010	17,023	714	2,110	19,847
2011	16,864	889	2,133	19,886
2012	16,611	1,141	1,707	19,459
(By region) 2012				
North	5,804	526	1,145	7,475
East	2,966	-	221	3,187
Centre	253	-	-	253
West	3,488	615	32	4,135
South	4,100	-	309	4,409

Table 5.8 - Number of permits [1] and floor area by region, 2008 - 2012

Region	2008		2009		2010		2011		2012	
	No of permits issued	Floor area (m^2)	No of permits issued	Floor area (m^2)	No of permits issued	Floor area (m^2)	No of permits issued	Floor area (m^2)	No of permits issued	Floor area (m^2)
Urban areas	**2,617**	**571,730**	**2,546**	**634,853**	**2,491**	**436,682**	**2,323**	**395,458**	**2,646**	**470,518**
Port Louis	577	109,089	596	128,193	499	94,586	431	68,087	601	92,617
Beau Bassin - Rose Hill	414	66,918	489	87,592	300	40,447	313	43,748	557	117,184
Curepipe	340	41,808	347	55,040	312	64,964	321	48,737	468	81,428
Quatre Bornes	479	220,144	392	247,363	422	90,252	405	109,880	474	100,753
Vacoas - Phoenix	807	133,771	722	116,665	958	146,433	853	125,006	546	78,536
Rural areas	**5,026**	**995,153**	**4,881**	**1,060,091**	**4,862**	**985,335**	**3,937**	**823,281**	**3,910**	**717,601**
Pamplemousses	575	94,899	687	128,579	731	137,568	398	66,394	495	114,443
Riviere du Rempart	692	166,758	906	186,620	777	164,676	337	79,673	465	80,080
Flacq	908	148,582	687	96,721	692	108,715	839	158,059	782	113,266
Grand Port	720	99,518	634	144,078	685	100,274	461	118,120	601	94,198
Savanne	645	92,095	617	85,565	580	77,846	528	73,312	481	65,562
Plaines Wilhems	53	6,525	34	4,333	46	6,002	578	78,136	60	8,960
Moka	441	81,634	406	71,522	367	70,395	30	4,771	424	77,462
Black River	992	305,142	910	342,673	984	319,859	766	244,816	602	163,630
Total	**7,643**	**1,566,883**	**7,427**	**1,694,944**	**7,353**	**1,422,017**	**6,260**	**1,218,739**	**6,556**	**1,188,119**

[1] includes new buildings and additions for which permits have been issued by Municipalities and District Councils

Table 5.9 - Number of permits [1] and floor area by type of building, 2008 - 2012

Type of building	2008		2009		2010		2011		2012	
	No of permits issued	Floor area (m^2)	No of permits issued	Floor area (m^2)	No of permits issued	Floor area (m^2)	No of permits issued	Floor area (m^2)	No of permits issued	Floor area (m^2)
Residential	**7,010**	**1,124,110**	**6,896**	**1,158,832**	**6,871**	**1,189,726**	**5,853**	**903,487**	**6,081**	**1,037,866**
New buildings	3,915	802,112	3,888	834,622	4,047	882,368	3,413	630,042	3,929	791,689
Additions	3,095	321,998	3,008	324,210	2,824	307,358	2,440	273,445	2,152	246,177
Non residential	**633**	**442,773**	**531**	**536,112**	**482**	**232,291**	**407**	**315,252**	**475**	**150,253**
Agriculture, forestry, hunting and fishing	39	24,932	17	2,304	34	23,473	24	16,302	3	1,771
Manufacturing	64	66,895	36	28,084	22	8,508	34	48,980	7	2,899
Electricity and water	3	2,157	1	1,122	-	-	-	-	-	-
Construction	2	3,908	-	-	-	-	2	4,305	-	-
Wholesale and retail trade, restaurant and hotels	385	131,408	333	336,286	306	119,194	248	134,994	339	93,031
Transport, storage & communication	39	29,294	43	76,464	24	8,746	21	21,578	6	6,736
Banking, insurance and real estate	42	139,489	34	67,745	46	53,804	30	63,936	25	5,692
Community, social & personal services	59	44,690	67	24,107	50	18,566	48	25,157	95	40,124
Total	**7,643**	**1,566,883**	**7,427**	**1,694,944**	**7,353**	**1,422,017**	**6,260**	**1,218,739**	**6,556**	**1,188,119**

[1] includes new buildings and additions for which permits have been issued by Municipalities and District Councils

Table 5.10 - Solid waste input by type at Mare Chicose landfill site, 2003 - 2012

Tonnes

Waste type	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012 [1]
Domestic	352,915	365,528	363,776	387,751	358,781	373,860	389,999	402,816	389,743	365,867
Construction	7,199	6,097	3,755	1,109	502	2,065	671	2,394	5,306	5,601
Industrial (excl. textile)	1,351	928	537	499	886	796	1,170	1,140	1,565	680
Textile	3,070	2,169	1,803	2,120	1,271	1,002	300	432	130	233
Tuna/Sludge	120	189	5,913	8,056	13,077	12,148	9,126	10,949	10,402	7,370
Poultry	3,236	3,962	3,930	3,752	3,387	6,867	7,209	6,339	5,942	6,061
Rubber tyres	378	423	394	465	223	347	365	481	447	372
Asbestos	71	36	85	14	260	32	26	44	15	6
Condemned goods	2,754	1,770	2,114	3,265	2,036	2,361	1,164	1,388	848	1,573
Difficult and hazardous	-	12	40	8	4	5	-	42	13	7
Paper waste	…	…	...	...	...	...	...	6	67	7
Others	1,340	-	-	-	6,648	5	5,918	1,771	65	149
TOTAL	**372,434**	**381,114**	**382,347**	**407,039**	**387,075**	**399,488**	**415,948**	**427,802**	**414,543**	**387,926**

Source: Ministry of Local Government and Outer Islands.

[1] Provisional

Table 5.11 - Number of Environmental Impact Assessment (EIA) licences granted by type of project, 2003 - 2012

Project	2003	2004	2005	2006	2007	2008	2009	2010	2011 [1]	2012
Land parcelling (morcellement)	14	21	19	9	1	12	2	5	4	7
Industrial development	28	1	5	4	19	-	7	5	2	1
Coastal hotels and related works	4	15	10	20	-	8	7	12	10	10
Housing	4	34	7	13	-	-	1	1	2	2
Stone crushing plants	3	2	3	1	-	-	-	3	3	-
Development in port area	-	-	1	1	-	-	-	1	4	4
Other	22	12	10	7	8	24	6	17	5	2
Total	**75**	**85**	**55**	**55**	**28**	**44**	**23**	**44**	**30**	**26**

Source : Ministry of Environment and Sustainable Development.

[1] Revised

Table 5.12 - Number of Preliminary Environmental Report (PER) approvals granted by type of project, 2003 - 2012

Project	2003	2004	2005	2006	2007	2008	2009	2010	2011 [1]	2012
Land parcelling (morcellement)	28	19	16	8	5	-	-	-	-	3
Poultry rearing	21	30	22	15	19	10	9	3	9	7
Industrial development	3	30	8	17	28	16	6	5	7	12
Coastal hotels and related works	11	-	4	1	23	-	-	-	-	1
Livestock rearing	6	3	3	6	9	-	-	4	2	4
Housing	1	15	10	14	4	-	-		1	1
Other	15	22	25	30	17	14	16	7	5	6
Total	**85**	**119**	**88**	**91**	**105**	**40**	**31**	**19**	**24**	**34**

Source : Ministry of Environment and Sustainable Development.

[1] Revised

Table 5.13 - Number of establishments[1] by industrial group, Republic of Mauritius, 2010 - 2012

Industrial group	March 2010 [2]	March 2011 [2]	March 2012 [2]
Agriculture, forestry and fishing	187	184	178
Mining and quarrying	25	27	25
Manufacturing	678	661	646
Electricity, gas, steam and air conditioning supply	7	7	7
Water supply, sewerage, waste management and remediation activities	12	11	14
Construction	98	100	115
Wholesale and retail trade, repair of motor vehicles and motorcycles	434	452	449
Transport and storage	88	84	85
Accommodation and food service activities	173	174	172
Information and communication	88	93	96
Financial and insurance activities	92	100	102
Real estate activities	19	19	19
Professional, scietific and technical activities	117	125	132
Administrative and support service activities	118	121	126
Public administration and defence; compulsory social security	48	48	49
Education	179	181	186
Human health and social work activities	48	53	53
Arts, entertainment and recreation	62	65	66
Other service activities	30	31	33
Total	**2,503**	**2,536**	**2,553**

[1] Only large establishments have been considered, i.e those engaging 10 or more persons. Exclude Government ministries/departments

[2] In 2012 Statistics Mauritius adopted a revised version of the National Industrial Classification of Economic Activities, an adapted version of the International Industrial Classification of Economic Activities (ISIC), Rev 4 of the United Nations. The number of establishments by industrial group for 2010 to 2012 has been worked out based on the ISIC Rev. 4.

Table 5.14 - List of Proclaimed Public Beaches by districts, 2012

Name	Extent (ha)	Sea Frontage (m) (Approx)
PAMPLEMOUSSES		
Le Goulet	3.5	470
Ville Valio	1.3	65
Pointe aux Piments (Pointe Oberoi)	1.4	146
Pointe aux Piments (Between Le Meridien & Victoria)	1.1	122
Pointe aux Piments (Near Fish Landing Station)	2.5	715
Pointe aux Piments (Main Beach)	0.2	111
Pointe aux Piments (Opposite Aquarium)	1.4	300
Pointe aux Piments (Near Colonial Hotel)	0.6	244
Pointe aux Piments (Known as Pointe Cimetiere)	4.0	740
Pointe aux Piments (Pointe aux Biches)	0.5	447
Trou aux Biches (Opp. Ex-aquarium)	2.6	700
Trou aux Biches (In front of Police Station)	0.9	73
Trou aux Biches (Opp. Casuarina)	1.0	215
Mon Choisy	16.7	1377
The Vale	0.3	63
Total	**38.0**	
RIVIERE DU REMPART		
Grand Baie (Near National Coast Guard)	0.1	96
Grand Baie	1.2	346
La Cuvette	1.8	310
Pereybere	1.8	108
Bain Boeuf	2.2	727
Cap Malheureux	0.2	39
P.G. Union Ribet	17.5	1163
Anse La Raie	0.6	110
Butte a l'Herbe	8.8	560
Belle Vue Cugnet	0.3	156
Belle Vue Cugnet	0.6	198
Belle Vue Cugnet	0.7	220
Grand Gaube	0.3	62
P.G. Merville (Part of)	2.1	330
P.G. Merville (Part of)	2.1	525
Islet Matapan & Pt. of P.G. Melville	5.0	1050
Poudre d'Or	4.2	848
Volke Molke	0.7	167
Total	**50.1**	
FLACQ		
Roches Noires	2.1	350
Poste Lafayette	1.0	130
Poste Lafayette (Near Police Memorial)	7.2	620
Poste Lafayette	0.4	30
Bras d'Eau	2.7	650
Choisy (Part of P.G)	1.7	200
Mare aux Lubines	1.5	140
Belle Mare (Part of P.G)	0.3	280
Belle Mare(Main Beach)	17.4	1500
Belle Mare(Near Residence Hotel)	8.4	430
Belle Mare(Near Residence Thalassa Hotel)	3.0	210
Palmar(Near Ambre Hotel)	1.1	150
Palmar(NearSurcouf Hotel)	0.6	230
Palmar(Main Beach)	18.5	1400
Quatres Cocos Village(Caro Bringel)	0.3	100
Trou d'Eau Douce(Near Le Tropical Hotel)	0.9	360
Trou d'Eau Douce(Near Four a Chaux)	3.2	750
Grand river South East	0.5	110
Total	**70.8**	

Source: Beach Authority

Table 5.14 (Con't) - List of Proclaimed Public Beaches by districts

Name	Extent (ha)	Sea Frontage (m) (Approx)
GRAND PORT		
Grand Sable	0.1	66
Pointe du Diable	0.2	71
Bois des Amourettes	1.0	275
Old Grand Port	0.2	59
Riviere des Creoles	0.4	257
Mahebourg Village	0.2	107
Remy Ollier Square	0.4	180
Blue Bay	4.8	400
La Cambuse	5.5	692
Le Bouchon	11.0	1475
Pont Naturel	0.8	163
Le Souffleur	2.1	180
Petit Sable	0.8	349
Petit Sable(Toilet Block & Parking Space)	0.4	No sea fontage
Bambous Virieux (Portion 1)	0.1	87
Bambous Virieux (Portion 2)	0.2	110
Bambous Virieux (Portion 3)	0.2	75
Grand Sable	0.1	15
Providence	0.2	131
P.G.Vieux Grand Port	0.1	76
P.G.Virginia	2.5	314
Total	**31.4**	
SAVANNE		
Terracine	6.1	1048
Gris Gris	3.8	220
Telfair	1.4	285
Near Souillac Cemetery	1.3	885
Surinam	0.3	100
Saint Felix	0.6	391
Saint Felix	6.6	819
Riviere des Galets	11.6	1530
Bel Ombre	6.5	579
P.G.Bel Ombre	0.1	73
Ruisseau des Creoles	0.9	667
Total	**39.4**	
BLACK RIVER		
La Prairie (Exclusive of B/R-S Coast Rd)	2.2	300
P.G L'Embrazure	4.7	1930
Le Morne Brabant(Pointe Sud Ouest)	10.9	1000
P.G Le Morne(Near Berjaya Hotel)	0.4	40
P.G Le Morne	5.3	500
P.G. Comptesse La Marque	13.1	1395
La Preneuse	0.5	83
La Preneuse	0.1	
Tamarin	2.2	410
Wolmar	1.3	50
Flic en Flac / Wolmar(Near Pearle Beach Hote	12.7	1795
Flic en Flac(opposite Manisha Hotel)	2.1	545
Flic en Flac(opposite Restaurent Ocean)	2.1	512
P.G Anna	0.4	105
P.G Albion	1.8	205
P.G. Mon Plaisir	2.1	250
Petit Verger	0.2	62
Petit Verger	0.2	50
Pointe Aux Sables	1.1	88
Pointe Aux Sables(Near Fisheries Post and Training Centre	0.3	68
P.G.Petite Case Noyale	0.2	36
P.G.Petite Case Noyale	1.0	462
P.G. LaPrairie	31.6	451
P.G. LaPrairie	63.5	510
P.G. Les Salines Koenig	20.9	141
P.G. Petite Case Noyale	0.2	282
Total	**181.2**	
PORT LOUIS		
G.R.N.W(Sable Noire)	1.1	337

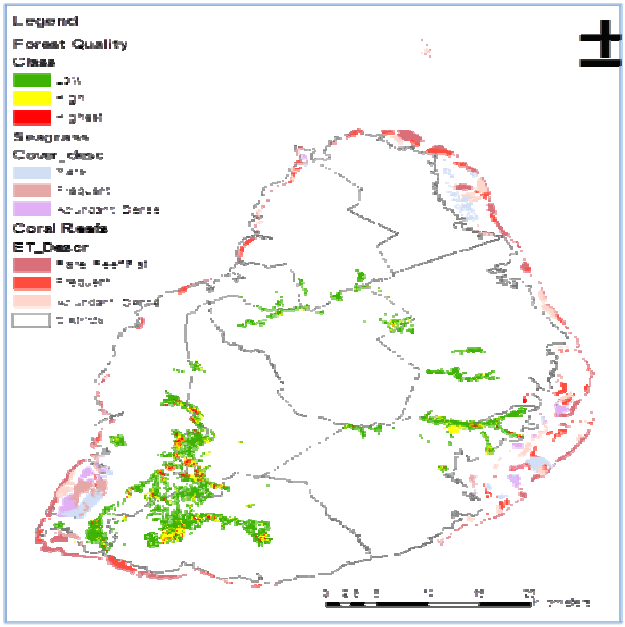
Source: Beach Authority

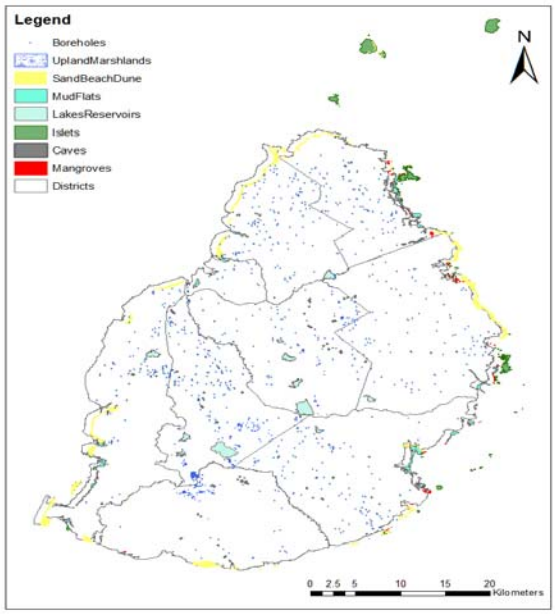
Table 5.15 - Areal estimates for the various Environmentally Sensitive Areas (ESA) by type and sub-category, Republic of Mauritius, 2009

ESA Type	Estimated Area (ha)		
	Mauritius	Rodrigues	TOTAL
Seagrass & mixed Algae	**3,278**	**17,765**	**21,043**
Sparse Seagrass	*1,401*	…..	…..
Frequent Seagrass	*957*	…..	…..
Abundant Seagrass	*722*	…..	…..
Dense Seagrass	*198*	…..	…..
Coral reefs	**6,306**	**7,005**	**13,311**
Reef flat	*2,485*	…..	…..
Sparse Corals	*787*	…..	…..
Frequent Corals	*1,559*	…..	…..
Abundant Corals	*732*	…..	…..
Dense Corals	*743*	…..	…..
Mangrove	**145**	**24**	**169**
Sparse Mangrove	*5*	…..	…..
Frequent Mangrove	*28*	…..	…..
Abundant Mangrove	*70*	…..	…..
Dense Mangrove	*42*	…..	…..
Mud Flats	**919**	**656**	**1,575**
Offshore Islets	**1,269**	**181**	**1,450**
Volcanic	*1,139*	*22*	…..
Sand	*94*	*34*	…..
Calcarenitic limestone	*36*	*125*	…..
Coastal Freshwater Marshlands	**406**	…..	**406**
Upland Marsh	**65**	…..	**65**
Forests with Native Content	**8,700**	…..	**8,700**
Very High Quality (Grade 1)	*490*	…..	…..
High Quality (Grade 3)	*1,162*	…..	…..
Low Quality (Grade 3)	*7,048*	…..	…..
Steep Slopes	**45,210**	**8,051**	**53,261**
Moderately Steep (10 - 20%)	*16,352*	*3,078*	…..
Steep to Very Steep (> 20%)	*28,858*	*4,973*	…..

Source: Environmentally Sensitive Areas Classification Report, Ministry of Environment and Sustainable Development, Republic of Mauritius, 2009

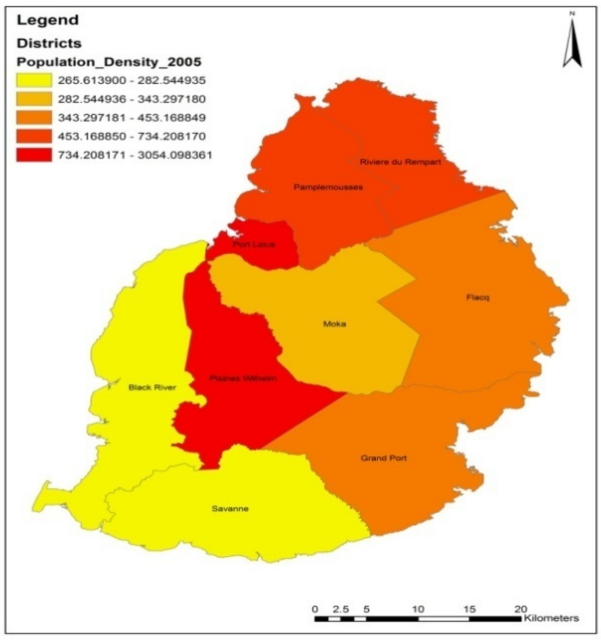
Figure 19 - Map of Areal estimates for the various Environmentally Sensitive Areas by type and sub category, 2009

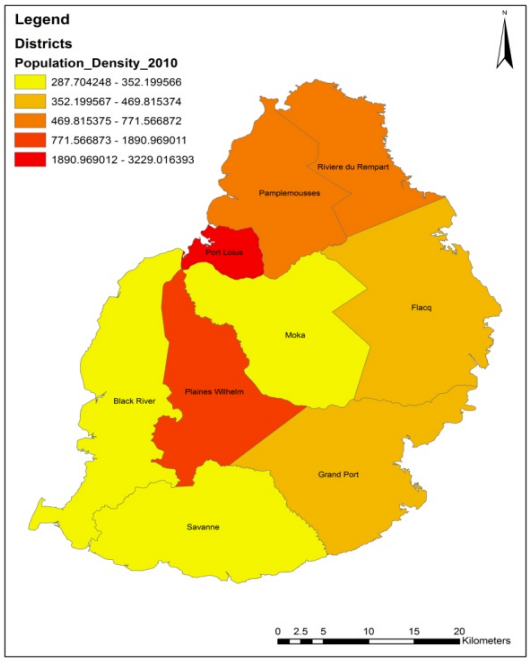




Source: Environmentally Sensitive Areas and Classification Report, Ministry of Environment and Sustainable Development, Republic of Mauritius, 2009

Figure 20 - Population Density by district, 2005 - 2010





CHAPTER 6

HUMAN SETTLEMENTS

Table 6.1 - Evolution of the population by urban[1] / rural residence and sex between the 2000 and 2011 Population Censuses

Urban\Rural Residence	2000 census[2]			2011 census			Intercensal change	
	Both sexes	Male	Female	Both sexes	Male	Female	Number	Annual average (%)
Island of Mauritius	**1,143,069**	**566,056**	**577,013**	**1,196,383**	**590,944**	**605,439**	**53,314**	***0.41***
Urban population	***503,045***	***247,844***	***255,201***	***499,349***	***244,688***	***254,661***	***-3,696***	***-0.07***
Port Louis	144,303	71,720	72,583	137,608	68,370	69,238	-6,695	-0.43
Beau Bassin/Rose Hill	103,872	50,730	53,142	103,098	51,114	51,984	-774	-0.07
Quatre Bornes	75,884	37,306	38,578	75,613	36,870	38,743	-271	-0.03
Vacoas/Phoenix	100,066	49,452	50,614	105,559	50,963	54,596	5,493	0.48
Curepipe	78,920	38,636	40,284	77,471	37,371	40,100	-1,449	-0.17
Rural population	***640,024***	***318,212***	***321,812***	***697,034***	***346,256***	***350,778***	***57,010***	***0.77***

[1] Urban population refers to the population in the five Municipal Council Areas defined according to proclaimed boundaries, altered in 1963 (Proclamation No 12 and 13) and subsequently enlarged in 1965 (Proclamation No 23), 1967 (Proclamation No 2) and in 1990 (Proclamation No 8)

[2] Unadjusted " de jure " population

Table 6.2 - Evolution of the population by geographical district and sex between the 2000 and 2011 Population Censuses

Geographical district	2000 Census [1]			2011 Census [1]			Intercensal change	
	Both sexes	Male	Female	Both sexes	Male	Female	Number	Annual average (%)
Port Louis	127,855	63,458	64,397	118,431	58,615	59,816	-9424	-0.69
Pamplemousses	122,252	60,533	61,719	136,268	67,898	68,370	14016	0.99
Riviere du Rempart	98,854	49,116	49,738	106,267	52,672	53,595	7413	0.66
Flacq	126,839	63,549	63,290	135,406	67,156	68,250	8567	0.60
Grand Port	106,665	53,011	53,654	110,907	55,066	55,841	4242	0.36
Savanne	66,356	32,787	33,569	67,906	33,485	34,421	1550	0.21
Plaine Wilhems	358,182	175,852	182,330	362,292	176,603	185,689	4110	0.10
Moka	75,479	37,275	38,204	82,301	40,909	41,392	6822	0.79
Black River	60,587	30,475	30,112	76,605	38,540	38,065	16018	2.16
Island of Mauritius	**1,143,069**	**566,056**	**577,013**	**1,196,383**	**590,944**	**605,439**	**53314**	**0.41**

[1] "de jure" population; not adjusted for under enumeration of young children

Table 6.3 - Age distribution of the population[1] as enumerated at the 2000 and 2011 Population Censuses

Age group (Years)	2000				2011			
	Male	Female	Both sexes	%	Male	Female	Both sexes	%
0	9,163	8,965	18,128	1.6	5,827	5,853	11,680	1.0
1 - 4	36,697	35,910	72,607	6.3	28,973	28,647	57,620	4.8
5 - 9	51,229	50,271	101,500	8.9	42,832	41,996	84,828	7.1
10 - 14	47,438	46,410	93,848	8.2	45,370	44,436	89,806	7.5
15 - 19	49,447	48,126	97,573	8.5	48,975	48,462	97,437	8.1
20 - 24	53,325	53,993	107,318	9.4	45,433	44,286	89,719	7.5
25 - 29	45,390	45,656	91,046	8.0	44,037	43,709	87,746	7.3
30 - 34	48,739	48,307	97,046	8.5	50,524	49,512	100,536	8.4
35 - 39	50,503	49,151	99,654	8.7	42,879	42,158	85,037	7.1
40 - 44	44,739	43,568	88,307	7.7	43,929	42,956	86,885	7.3
45 - 49	38,340	38,069	76,409	6.7	48,658	48,361	97,019	8.1
50 - 54	27,168	28,556	55,724	4.9	41,896	42,290	84,186	7.0
55 - 59	18,623	20,647	39,270	3.4	34,923	36,568	71,491	6.0
60 - 64	14,808	17,248	32,056	2.8	26,528	29,623	56,151	4.7
65 - 69	11,404	13,602	25,006	2.2	15,357	19,024	34,381	2.9
70 - 74	9,267	11,954	21,221	1.9	10,590	13,932	24,522	2.0
75 - 79	5,905	8,681	14,586	1.3	7,112	10,377	17,489	1.5
80 - 84	2,506	4,416	6,922	0.6	4,048	7,021	11,069	0.9
85 +	1,324	3,410	4,734	0.4	2,697	5,991	8,688	0.7
Age unknown	41	73	114	0.0	356	237	593	0.0
All ages	**566,056**	**577,013**	**1,143,069**	**100.0**	**590,944**	**605,439**	**1,196,883**	**100.0**

[1] 'de jure' population; not adjusted for under enumeration of young children

Table 6.4 - Population growth in intercensal periods, Republic of Mauritius [1] 1851 - 2011

Census date	Republic of Mauritius			Island of Mauritius			Island of Rodrigues		
	Population enumerated at census	Density per km^2	Average annual rate of increase (%)	Population enumerated at census	Density per km^2	Average annual rate of increase (%)	Population enumerated at census	Density per km^2	Average annual rate of increase (%)
20th November 1851	181,318	92	….	180,823	97	2.55	495	5	….
8th April 1861	310,743	158	5.91	310,050	166	5.91	693	7	3.65
11th April 1871	317,150	161	0.20	316,042	169	0.19	1,108	11	4.80
4th April 1881	361,305	184	1.31	359,874	193	1.31	1,431	14	2.59
6th March 1891	372,656	189	0.31	370,588	199	0.29	2,068	20	3.75
1st April 1901	374,185	190	0.04	371,023	199	0.01	3,162	30	4.34
31st March 1911	373,620	190	-0.02	368,791	198	-0.06	4,829	46	4.33
21st May 1921	383,069	195	0.25	376,485	202	0.21	6,584	63	3.15
26th April 1931	401,440	204	0.47	393,238	211	0.44	8,202	79	2.22
11th June 1944	431,070	219	0.55	419,185	225	0.49	11,885	114	2.89
30th June 1952	514,748	261	2.24	501,415	269	2.26	13,333	128	1.45
30th June 1962[2]	699,954	356	3.12	681,619	366	3.12	18,335	176	3.24
30th June 1972[2]	850,968	432	1.97	826,199	443	1.94	24,769	238	3.05
2nd July 1983[2]	999,945	508	1.48	966,863	518	1.44	33,082	318	2.67
1st July 1990[3]	1,056,660	537	0.79	1,022,456	548	0.80	34,204	329	0.48
1st July 2000[3]	1,178,848	599	1.10	1,143,069	613	1.12	35,779	344	0.45
3rd July 2011 [3]	1,236,817	628	0.44	1,196,383	641	0.41	40,434	389	1.11

[1] excluding Agalega and St Brandon

[2] "de facto" population

[3] "de jure" population

Table 6.5 - Growth of the resident population and vital statistics - Republic of Mauritius [1], 2003 - 2012

Year	Population at beginning of year	Natural movement			Net international migration	Total increase	% change during the year due to:			Population at end of year
		Live births	Deaths	Natural increase			Natural increase	International migration	Total	
2003	1,216,492	19,343	8,520	10,823	+524	11,347	0.89	+0.04	0.93	1,227,839
2004	1,227,839	19,230	8,475	10,755	-822	9,933	0.88	-0.07	0.81	1,237,772
2005	1,237,772	18,820	8,646	10,174	+350	10,524	0.82	+0.03	0.85	1,248,296
2006	1,248,296	17,604	9,162	8,442	-300	8,142	0.68	-0.02	0.66	1,256,438
2007	1,256,438	17,034	8,498	8,536	-400	8,136	0.68	-0.03	0.65	1,264,574
2008	1,264,574	16,372	9,004	7,368	-200	7,168	0.58	-0.02	0.56	1,271,742
2009	1,271,742	15,344	9,224	6,120	-300	5,820	0.48	-0.02	0.46	1,277,562
2010	1,277,562	15,005	9,131	5,874	-310	5,564	0.46	-0.02	0.44	1,283,126
2011	1,283,126	14,701	9,170	5,531	-262	5,269	0.43	-0.02	0.41	1,288,395
2012	1,288,395	14,494	9,343	5,151	-293	4,858	0.40	-0.02	0.38	1,293,253

[1] Excl. Saint Brandon and Agalega

Table 6.6 - Life Expectancy at birth, 2003 - 2012

Year	2003	2004	2005	2006	2007	2008	2009	2010	2011 [1]	2012 [2]
Male	68.7	68.7	68.9	69.1	69.2	69.4	69.5	69.7	70.2	70.3
Female	75.4	75.5	75.7	75.9	76.1	76.6	76.7	77.0	77.1	77.2

[1] Revised

[2] Provisional

Table 6.7 - Infant mortality [1] rate by geographical district, 2003 - 2012

Geographical district	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Port Louis	9.7	17.9	18.8	13.9	20.2	16.7	11.6	16.7	10.3	13.1
Pamplemousses	12.7	16.4	16.6	21.3	11.6	15.7	13.7	8.5	16.3	20.3
Riviere du Rempart	8.7	17.8	12.7	15.2	17.1	11.7	12.7	13.7	9.5	12.2
Flacq	9.5	12.5	11.1	11.2	20.5	14.5	11.6	10.2	12.7	12.8
Grand Port	17.2	17.0	13.2	15.7	11.2	13.2	15.1	11.7	10.7	19.2
Savanne	13.2	17.6	13.8	7.2	11.4	16.7	14.9	15.1	17.5	8.2
Plaines Wilhems	13.9	9.8	10.7	11.0	16.4	13.7	13.8	13.0	11.9	10.7
Moka	12.0	14.9	17.7	12.7	13.9	10.5	16.1	13.2	11.3	10.0
Black River	14.5	8.5	8.1	13.7	7.5	16.0	11.8	10.2	16.8	13.3
Island of Mauritius	**12.4**	**14.0**	**13.2**	**13.5**	**15.3**	**14.3**	**13.3**	**12.4**	**12.6**	**13.4**

[1] The number of infant deaths in a year per 1000 live births during the year

Table 6.8 - Number of buildings by type, Republic of Mauritius, 2000 and 2011 Housing Censuses

Building Type	Housing Census		%	
	2000	2011	2000	2011
Under construction and not inhabited	12,110	13,027	4.5	4.1
Wholly residential	228,977	261,612	85.4	84.0
Partly residential	11,418	17,130	4.3	5.5
Hotels, Tourist residence and Guest house	367	1,162	0.1	0.4
Institutions	148	194	0.0	0.1
Non-residential	15,282	18,405	5.7	5.9
All buildings	**268,302**	**311,530**	**100.0**	**100.0**

Table 6.9 - Residential and partly residential buildings [1] by type, Republic of Mauritius, 2000 and 2011 Housing Censuses

Type of building	Number		%	
	2000	2011	2000	2011
Building used as one housing unit (Separate houses)	193,391	213,944	81.0	77.0
Semi-detached houses and block of flats	27,507	45,166	11.5	16.2
Partly residential buildings	11,418	17,130	4.8	6.2
Other dwellings	6,612	1,773	2.7	0.6
Total	**238,928**	**278,013**	**100.0**	**100.0**

[1] Figures exclude detached rooms (1,500 for 2000 and 729 for 2011), used as part of household

Table 6.10 - Residential and partly residential buildings [1] by type of wall and roof materials, Republic of Mauritius, 2000 and 2011 Housing Censuses.

Type of construction materials	Number				Change 2000 - 2011	
	2000		2011			
	Number	%	Number	%	Number	%
Concrete walls and roof	206,210	86.3	255,746	92.0	49,536	24.0
Concrete walls and iron/tin roof	9,416	4.0	7,440	2.7	-1,976	-21.0
Iron/tin walls and roof	19,345	8.1	12,608	4.5	-6,737	-34.8
Wood walls and iron/tin/shingle roof	2,198	0.9	1,025	0.4	-1,173	-53.4
Other	1,759	0.7	1,194	0.4	-565	-32.1
Total	**238,928**	**100.0**	**278,013**	**100.0**	**39,085**	**16.4**

[1] Figures exclude detached rooms (1,500 for 2000 and 729 for 2011), used as part of household

Table 6.11 - Distribution of housing units by occupancy status, Republic of Mauritius, 2000 and 2011 Housing Censuses

Type of occupancy	2000		2011	
	Number	%	Number	%
Housing units occupied as :				
Principal residence	**278,226**	**93.5**	**325,759**	**90.7**
Secondary residence	**3,932**	**1.3**	**5,271**	**1.5**
Total vacant housing units	**15,513**	**5.2**	**27,985**	**7.8**
For rent	*6,103*	*2.1*	*7,467*	*2.1*
For sale	*2,560*	*0.9*	*1,460*	*0.4*
Provided by employer	*637*	*0.2*	*438*	*0.1*
Under repairs	*1,124*	*0.4*	*1,732*	*0.5*
Not stated	*5,089*	*1.7*	*16,888*	*4.7*
Total	**297,671**	**100.0**	**359,015**	**100.0**

Table 6.12 - Main energy indicators, 2003 - 2012

Indicators	Unit	2003	2004	2005	2006	2007	2008	2009	2010[1]	2011[1]	2012[2]
Mid-year population	thousand	1,223	1,233	1,243	1,253	1,260	1,269	1,275	1,281	1,286	1,291
GDP in 2000 rupees	Rs.Million	136,084	141,935	143,996	150,496	159,338	168,101	173,198	180,299	187,331	193,325
GDP index (2000 = 100)		111.2	116.0	117.6	122.9	130.2	137.3	141.5	147.3	153.0	157.9
Total primary energy requirement	ktoe	1,222.8	1,255.8	1,293.2	1,376.8	1,381.8	1,404.4	1,346.9	1,430.7	1,426.9	1,458.8
Of which local (renewables)	*%*	*21.8*	*22.0*	*20.3*	*18.5*	*17.8*	*18.8*	*17.6*	*16.9*	*16.2*	*15.2*
Annual increase	%	+5.7	+2.7	+3.0	+6.5	+0.4	+1.6	-4.1	+6.2	-0.3	+2.2
Total primary energy requirement index (Base 2000 = 100)[1]		109.9	112.8	116.2	123.7	124.2	126.2	121.0	128.5	128.2	131.1
Total final energy consumption	ktoe	815	838	846	876	858	842	809	854	862	886
Of which local (renewables)	%	10.9	10.7	9.9	9.3	8.4	5.4	5.4	5.8	5.4	4.6
Total electricity generated	GWh	2,081.5	2,165.2	2,272.1	2,350.2	2,464.6	2,557.2	2,577.4	2,688.7	2,730.4	2,796.4
of which from : local (renewables)	*GWh*	*566.6*	*592.3*	*568.2*	*522.8*	*552.2*	*594.8*	*608.9*	*577.3*	*551.9*	*578.0*
: petroleum poducts and coal	*GWh*	*1,514.9*	*1,572.9*	*1,703.9*	*1,827.4*	*1,912.4*	*1,962.4*	*1,968.5*	*2,111.4*	*2,178.5*	*2,218.4*
Total electricity sold	GWh	1,627	1,704	1,777	1,880	1,975	2,054	2,069	2,174	2,228	2,294
Average sales price of electricity	Rs/kWh	3.09	3.14	3.25	3.60	3.79	4.90	5.15	5.22	5.69	5.70
Efficiency Indicators											
Import dependency	%	78.20	78.05	79.69	81.51	82.21	81.24	82.45	83.11	83.80	84.76
Energy intensity	toe per Rs.100,000 GDP at 2000 prices	0.90	0.88	0.90	0.91	0.87	0.84	0.78	0.79	0.76	0.75
Per capita primary energy requirement	toe	1.00	1.02	1.04	1.10	1.10	1.11	1.06	1.12	1.11	1.13
Per capita final energy consumption	toe	0.67	0.68	0.68	0.70	0.68	0.66	0.63	0.67	0.67	0.69
Per capita consumption of electricity sold	kWh	1,330	1,382	1,430	1,501	1,567	1,619	1,623	1,697	1,733	1,777
Per capita consumption of electricity consumed	kWh	1,508	1,556	1,612	1,683	1,754	1,816	1,836	1,916	1,938	1,984
Electricity consumption per household	kWh	1,790	1,792	1,862	1,862	1,907	1,902	1,954	2,013	2,032	2,087

[1] Revised

[2] Provisional

Table 6.13 - Primary energy requirement, (Energy unit), Republic of Mauritius, 2003 - 2012

Thousand tonne of oil equivalent (ktoe)

Energy source	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Imported (Fossil Fuel)	**956.2**	**980.1**	**1030.6**	**1122.2**	**1136.1**	**1140.9**	**1110.6**	**1189.1**	**1195.7**	**1236.5**
Coal	196.0	179.4	225.6	300.4	355.0	403.9	369.3	414.1	397.7	418.4
Petroleum product	**760.2**	**800.7**	**805.0**	**821.8**	**781.1**	**737.0**	**741.3**	**775.0**	**798.0**	**818.1**
Gasolene	96.4	97.6	100.1	96.2	106.9	109.5	120.6	127.7	130.0	136.6
Diesel oil	210.9	216.0	214.2	230.6	207.4	205.4	206.7	213.6	210.1	213.4
Dual purpose kerosene	147.4	168.8	171.7	152.7	146.0	140.9	117.2	131.3	138.7	150.0
Aviation fuel	*128.6*	*142.5*	*143.1*	*146.7*	*143.6*	*136.9*	*110.5*	123.3	134.4	146.2
Kerosene	*18.9*	*26.3*	*28.6*	*6.0*	*2.4*	*4.0*	*6.7*	*8.0*	*4.3*	*3.8*
Fuel oil	249.7	259.1	253.3	273.3	251.9	213.3	227.9	232.2	248.1	245.4
LPG	55.8	59.2	65.7	69.0	68.9	67.9	68.9	70.2	71.1	72.7
Local (Renewables)	**266.5**	**275.7**	**262.6**	**254.6**	**245.7**	**263.4**	**236.3**	**241.6**	**231.1**	**222.3**
Hydro/Wind [1]	10.1	10.6	9.9	6.6	7.2	9.3	10.6	8.9	5.1	6.7
Landfill Gas [2]	-	-	-	-	-	-	-	-	0.3	1.5
Photovoltaic [3]	-	-	-	-	-	-	-	-	-	0.1
Bagasse [4]	249.1	257.8	245.1	240.0	230.5	246.4	218.0	225.0	218.1	206.5
Fuel wood [4]	7.3	7.3	7.6	8.0	8.0	7.7	7.7	7.7	7.6	7.5
Total	**1222.7**	**1255.8**	**1293.2**	**1376.8**	**1381.8**	**1404.3**	**1346.9**	**1430.7**	**1426.8**	**1458.8**

[1] Includes generation from SSDG for 2012 [2] Generation started in August 2011

[3] Generated by SSDG/MSDG [4] estimates

Table 6.14 - Imports of energy sources (Energy unit), Republic of Mauritius, 2003 - 2012

Thousand tonnes of oil equivalent (ktoe)

Energy source	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Gasolene	93.7	94.7	93.7	96.0	104.1	117.2	112.8	130.6	126.0	138.4
Diesel oil	312.3	322.9	333.2	330.8	310.6	331.7	290.9	313.5	313.0	316.9
Dual purpose kerosene	236.8	267.1	257.9	251.7	277.0	278.8	217.2	251.2	240.0	*228.8*
Kerosene	*21.0*	*31.0*	*29.0*	*6.3*	*3.9*	*6.1*	*4.3*	*7.0*	*4.5*	*7.3*
Aviation fuel	*215.8*	*236.1*	*228.9*	*245.4*	*273.1*	*272.7*	*212.9*	*244.2*	*235.5*	*221.5*
Fuel oil	276.5	277.3	324.0	292.2	320.6	279.4	330.0	327.8	417.4	385.2
LPG	52.7	58.1	67.7	63.5	67.8	68.2	67.6	67.7	71.6	73.3
Coal	179.4	205.7	235.1	304.0	401.6	376.0	347.1	409.6	409.3	452.2
Total	**1151.4**	**1225.8**	**1311.6**	**1338.2**	**1481.7**	**1451.3**	**1365.6**	**1500.4**	**1577.3**	**1594.8**

Figure 21 - Imports of energy sources, Republic of Mauritius, 2003 - 2012

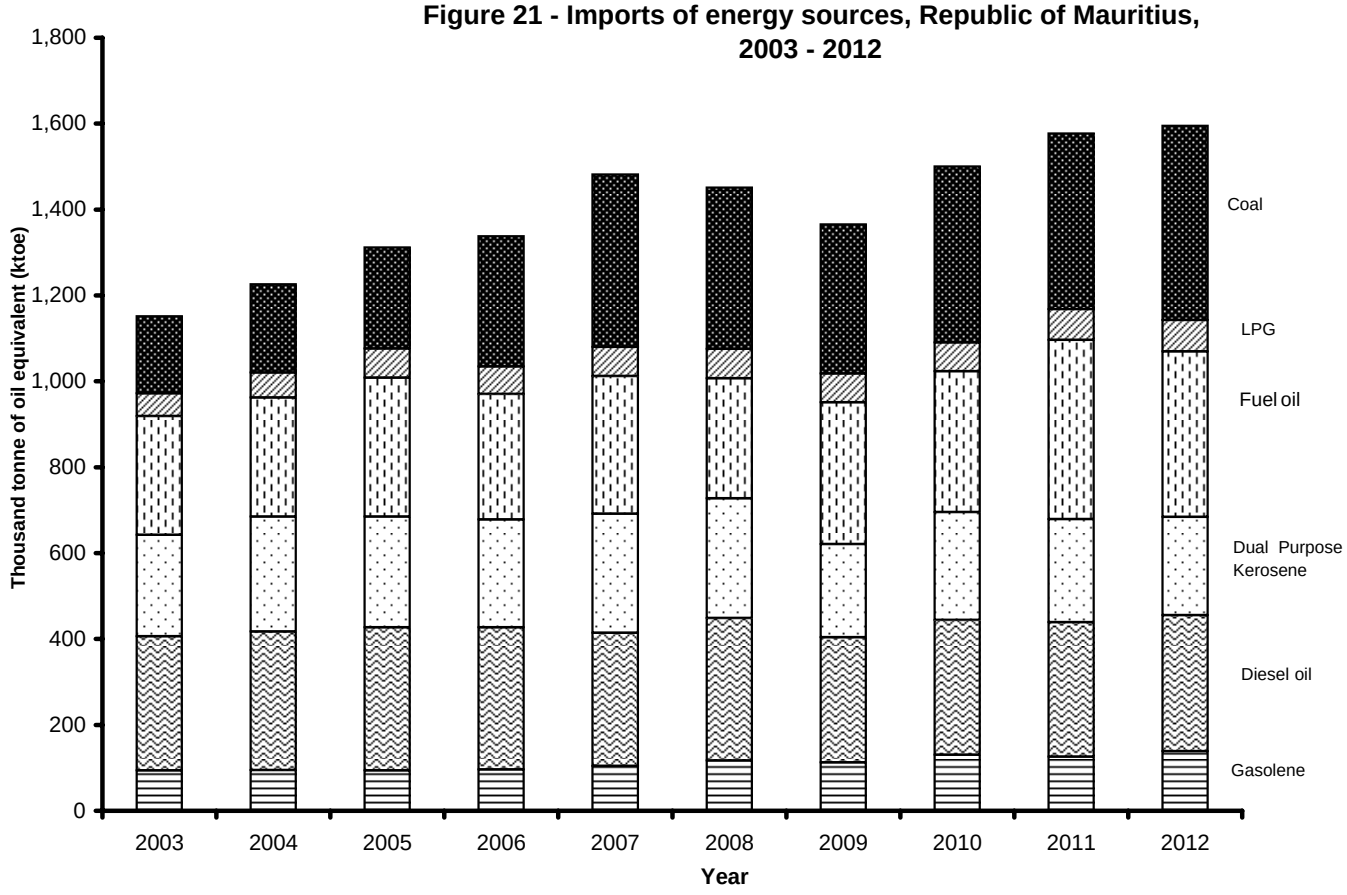


Table 6.15 - Fuel input for electricity production, (Energy unit), Republic of Mauritius, 2003- 2012

Thousand tonne of oil equivalent (ktoe)

Fuel	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Island of Mauritius										
Fuel oil	192.1	206.7	201.7	211.2	187.3	153.9	176.3	182.5	199.3	198.0
Diesel oil	2.4	2.4	1.9	2.3	2.7	1.7	2.6	1.9	1.4	1.8
Kerosene	10.3	17.2	18.4	1.9	1.1	2.2	5.1	6.3	3.8	3.6
Coal	178.0	164.4	211.2	286.9	342.6	378.0	356.0	398.7	382.7	402.5
Bagasse[1]	167.5	174.9	168.9	165.9	166.4	208.2	181.7	182.5	179.1	172.5
Island of Rodrigues										
Fuel oil	4.2	4.6	6.6	6.3	6.5	6.9	6.7	6.5	6.7	6.5
Diesel oil	1.5	1.6	0.2	0.3	0.1	0.2	0.2	0.1	0.2	0.1
Total	**556.0**	**571.8**	**608.9**	**674.8**	**706.7**	**751.1**	**728.6**	**778.5**	**773.2**	**785.0**

[1] Estimates

Table 6.16 - Final energy consumption by sector and type of fuel (Physical unit), Republic of Mauritius, 2003 - 2012

Sector	Unit	2003	2004	2005	2006	2007	2008	2009	2010	2011 [2]	2012 [3]
Manufacturing											
Fuel oil	tonne	51,166	45,868	42,554	53,743	55,722	50,268	43,078	41,472	40,316	38,953
Diesel oil	tonne	41,273	43,372	41,127	49,767	48,336	46,301	45,882	46,543	43,094	41,310
LPG	tonne	2,964	2,756	3,904	3,965	4,068	4,920	5,007	5,122	5,238	5,463
Coal	tonne	29,000	24,220	23,162	21,666	19,964	41,672	21,572	24,786	24,200	25,619
Fuel wood [1]	tonne	1,430	1,415	1,400	1,425	1,425	1,425	1,426	1,426	1,425	1,410
Electricity	GWh	742	769	778	841	880	913	897	934	921	929
Bagasse [1]	tonne	510,246	518,379	476,198	463,563	400,646	239,276	226,759	265,988	244,288	213,123
Transport											
Land											
LPG	tonne	2,223	2,691	6,726	6,887	6,633	5,184	4,587	4,641	4,502	4,363
Gasolene	tonne	86,284	88,011	89,498	86,886	96,463	98,867	108,871	115,266	117,370	123,352
Diesel oil	tonne	160,138	162,971	165,344	172,504	150,717	151,840	152,631	159,471	159,904	164,650
Air											
Aviation fuel (local aircraft)	tonne	123,627	137,002	137,560	141,053	138,104	131,631	106,246	118,553	129,170	140,582
Sea											
Gasolene	tonne	2,958	2,339	3,175	2,231	2,477	2,539	2,796	2,960	3,014	3,105
Diesel oil	tonne	1,129	1,149	1,166	1,185	1,062	1,070	1,076	1,124	1,127	1,137
Fuel oil	tonne	4,449	3,989	4,209	4,355	4,845	4,371	3,746	3,537	3,575	3,674
Household											
Kerosene	tonne	8,265	8,726	9,765	3,923	1,238	1,772	1,476	1,731	515	243
LPG	tonne	40,559	42,856	43,206	41,599	42,088	42,394	43,237	44,059	44,640	45,329
Fuel wood [1]	tonne	15,780	15,940	16,540	17,473	17,497	16,726	16,619	16,597	16,336	16,003
Charcoal [1]	tonne	125	120	130	123	126	119	119	119	116	114
Electricity	GWh	565	575	608	618	643	652	680	711	725	753
Commercial and Distributive Trade											
LPG	tonne	5,749	6,372	6,985	11,436	10,927	10,094	10,575	10,925	11,260	11,918
Charcoal [1]	tonne	350	360	380	393	407	422	437	453	469	474
Electricity	GWh	479	516	556	582	618	673	704	748	793	819
Agriculture											
Diesel oil [1]	tonne	2,410	2,375	2,345	2,289	2,456	2,241	2,286	2,325	2,344	2,331
Electricity	GWh	27	24	27	29	28	26	21	24	23	25

[1] Estimates [2] Revised [3] Provisional

Table 6.17 - Final energy consumption by sector (Energy unit), Republic of Mauritus, 2003 - 2012

Thousand tonne of oil equivalent (ktoe)

Sector	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Manufacturing	258.0	255.4	244.6	266.6	259.4	243.5	220.5	231.2	221.7	215.4
Transport	394.5	412.6	422.6	430.0	415.6	410.6	394.9	421.6	435.3	458.5
of which land transport	*257.3*	*262.6*	*270.9*	*275.5*	*263.6*	*265.7*	*276.7*	*290.6*	*293.1*	*304.2*
Household	107.0	111.0	115.4	108.9	108.8	110.2	113.1	116.9	117.4	120.1
Commercial and Distributive Trade	47.7	51.5	55.7	62.7	65.2	69.1	72.3	76.4	80.7	83.7
Agriculture	4.8	4.4	4.7	4.8	4.9	4.5	4.1	4.4	4.3	4.5
Other (n.e.s) and losses	2.9	3.2	3.0	3.3	3.6	3.8	3.7	3.6	3.0	3.4
TOTAL	**814.9**	**838.1**	**846.0**	**876.3**	**857.5**	**841.7**	**808.6**	**854.1**	**862.4**	**885.6**

Table 6.18 - Percentage share of final energy consumption by sector, Republic of Mauritius, 2003 - 2012

Sector	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Manufacturing	31.7	30.5	28.9	30.4	30.3	28.9	27.3	27.1	25.7	24.4
Transport	48.4	49.2	50.0	49.1	48.5	48.8	48.8	49.4	50.5	51.8
Household	13.1	13.2	13.6	12.4	12.7	13.1	14.0	13.7	13.6	13.6
Commercial and Distributive trade	5.9	6.1	6.6	7.2	7.6	8.2	8.9	8.9	9.4	9.4
Agriculture	0.6	0.5	0.6	0.5	0.6	0.5	0.5	0.5	0.5	0.5
Other (n.e.s) and losses	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.3	0.4
TOTAL	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**

Figure 22 - Percentage share of final energy consumption by sector, Republic of Mauritius, 2003 - 2012

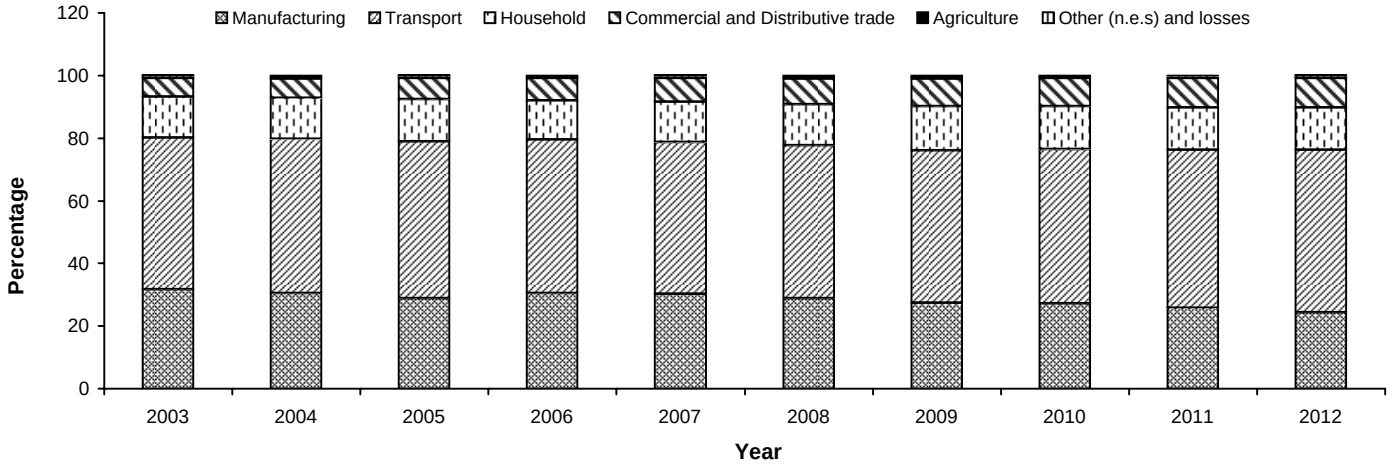


Table 6.19 - Vehicles [1] registered by type, 2003 - 2012

Number

Type of vehicle	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Car	68,524	77,342	84,818	91,911	99,770	109,507	117,890	127,363	136,225	147,733
(of which taxi car)	*5,979*	*6,482*	*6,798*	*6,860*	*6,885*	*6,941*	*6,921*	*6,924*	*6,907*	*6,905*
Dual purpose vehicle	39,383	40,667	42,026	43,221	44,635	46,021	47,146	48,271	49,132	50,116
Heavy motor car	958	1,020	1,045	1,118	1,223	1,290	1,275	1,249	1,230	1,244
Motor cycle	26,744	28,646	30,927	33,936	36,969	40,804	44,222	48,655	53,410	59,637
Auto cycle	98,858	100,854	102,503	104,238	105,637	107,184	108,713	110,674	112,296	113,871
Lorry and truck	11,501	11,774	12,047	12,272	12,536	12,726	12,950	13,186	13,539	13,902
Van	22,496	23,326	23,989	24,522	24,934	25,334	25,622	25,914	26,090	26,293
Bus	2,460	2,457	2,560	2,612	2,753	2,762	2,803	2,845	2,912	2,957
Tractor and dumper	2,877	2,935	2,982	3,001	3,025	3,045	3,102	3,119	3,173	3,202
Prime mover	369	388	412	436	452	505	558	596	650	689
Trailer	1,772	1,771	1,765	1,756	1,795	1,809	1,823	1,821	1,834	1,845
Road roller	100	99	96	96	96	96	97	98	99	101
Other	329	326	326	321	320	323	319	324	329	336
Total	**276,371**	**291,605**	**305,496**	**319,440**	**334,145**	**351,406**	**366,520**	**384,115**	**400,919**	**421,926**

[1] Excluding pedal cycles , but including government vehicles

Fig. 23 - Vehicles registered by type, 2003 - 2012

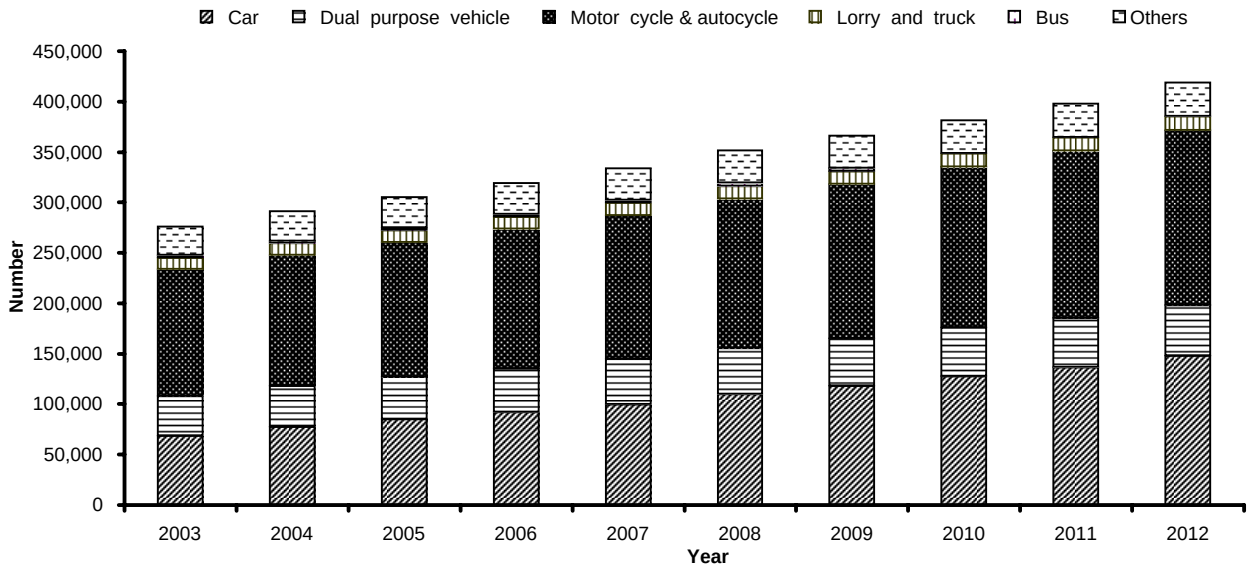


Table 6.20 - Road traffic accidents [1] and casualties, 2003 - 2012

Year	2003	2004	2005	2006	2007	2008	2009	2010	2011 [2]	2012 [3]
1. Road traffic accidents:										
Number	19,178	19,495	22,554	20,242	20,519	20,873	19,542	21,243	22,387	21,195
Rate per 100,000 Population	1,616	1,629	1,869	1,665	1,678	1,696	1,579	1,709	1,794	1,692
Rate per 1,000 registered motor vehicles	72	69	76	65	63	61	54	57	57	52
2. Motor vehicles involved :										
Number	35,239	35,506	43,741	40,023	41,178	42,910	38,058	41,084	41,294	41,022
Rate per 1,000 registered motor vehicles	133	126	148	129	127	125	106	110	106	100
3. Casualties :										
Total number of casualties	2,698	2,951	2,760	2,522	3,055	3,435	3,661	3,640	3,422	3,502
Fatal	131	144	136	134	140	168	140	158	152	156
Seriously injured	291	245	358	348	500	512	516	569	487	545
Slightly injured	2,276	2,562	2,266	2,040	2,415	2,755	3,005	2,913	2,783	2,801
4. Fatality :										
Rate per 100,000 population	11	12	11	11	11	14	11	13	12	13
Rate per 1,000 registered motor vehicles	1	1	0	0	0	1	0	0	0	0
Fatality Index [4]	4.8	4.9	4.9	5.3	4.6	4.9	3.8	4.3	4.4	4.5

[1] Exclude number of accidents involving bicycles only or bicycle and pedestrian

[2] Revised [3] Provisional

[4] Fatality Index is the number of fatalities per 100 casualties

Figure 24 - Road traffic accidents and motor vehicles involved, 2003 - 2012

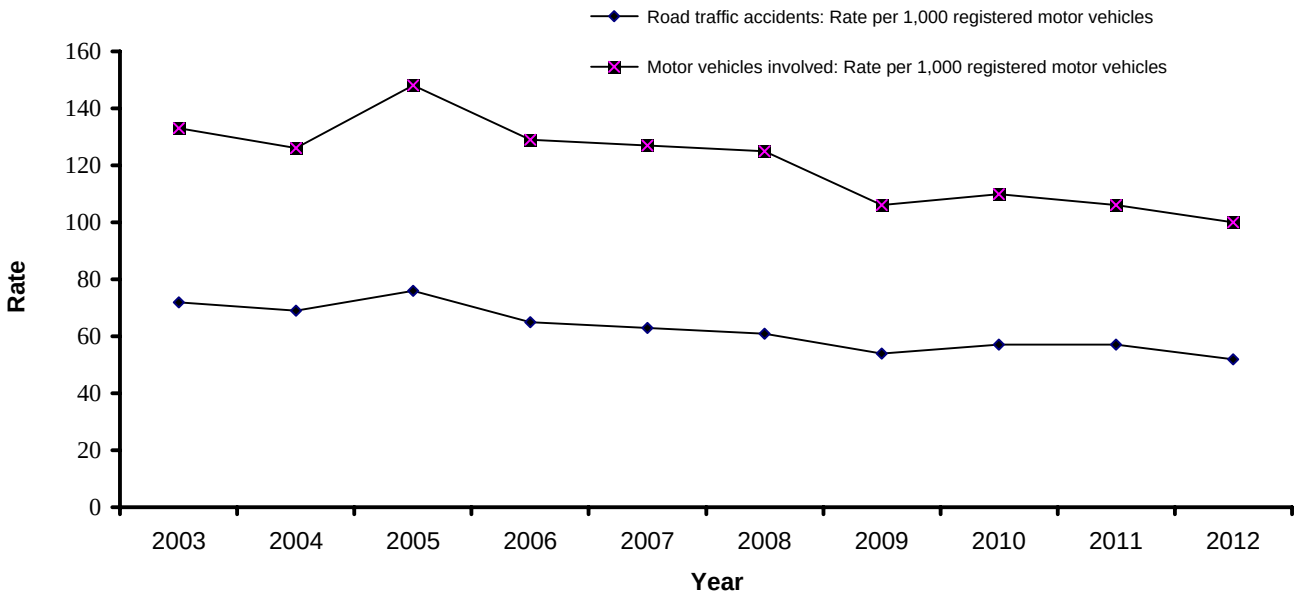


Table 6.21 - Imports of gasolene and diesel, 2003 - 2012

Fuel	Unit	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012 [1]
Gasolene (Motor spirit)											
Quantity	000 Litres	86,802	87,706	117,905	118,077	125,919	141,913	135,755	157,301	151,337	167,363
Value	(CIF Rs ' 000)	748,510	1,030,619	1,452,772	1,877,319	2,180,054	2,690,298	2,022,369	3,084,361	3,431,101	4,113,372
Diesel (Gas oil)											
Quantity	000 Litres	309,215	319,732	394,056	393,603	369,513	397,859	346,171	372,700	374,864	381,622
Value	(CIF Rs ' 000)	2,206,920	3,101,533	4,833,411	6,351,020	6,442,993	8,908,957	4,852,942	6,945,099	8,685,719	9,545,424

[1] Provisional

Figure 25 - Imports of gasolene and diesel, 2003 - 2012

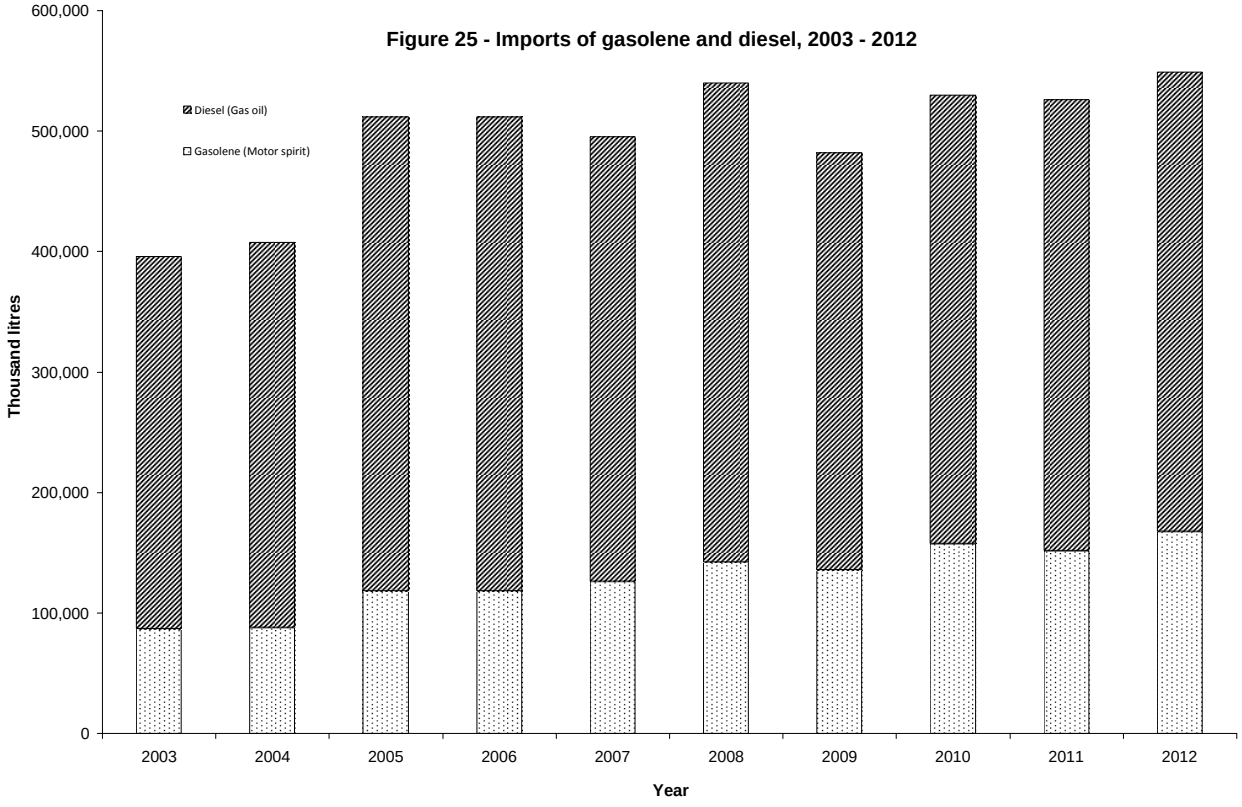


Table 6.22 - Imports of lubricating oils and greases by country of origin, 2008 - 2012

Item	Country of origin	2008		2009		2010		2011 [1]		2012 [2]	
		Quantity (M/ton)	Value (Rs '000)	Quantity (M/ton)	Value (Rs '000)	Quantity (M/ton)	Value (Rs '000)	Quantity (M/ton)	Value (Rs '000)	Quantity (M/ton)	Value (Rs '000)
Lubricating oil containing not less than 70% by weight of petroleum products	France	198	16,116	175	16,455	236	20,759	375	33,255	389	34,710
	Japan	20	1,651	7	1,370	38	4,980	27	4,336	29	6,864
	Singapore	1,914	99,429	1,607	80,334	2,196	145,292	1,941	160,638	2,413	152,084
	South Africa Rep.	2,275	127,131	3,050	160,482	3,329	209,610	2,586	194,984	2,058	137,654
	Thailand	677	37,040	643	29,303	732	30,062	16	923	2	255
	United Kingdom	32	3,426	43	4,233	52	7,750	83	15,236	41	8,883
	United States	68	13,067	57	14,577	13	2,220	11	1,675	8	1,161
	Other countries	1,208	64,076	1,452	78,327	1,493	85,746	1,480	87,427	2,381	174,697
Total		**6,392**	**361,936**	**7,034**	**385,081**	**8,089**	**506,419**	**6,519**	**498,474**	**7,321**	**516,308**
Lubricating greases containing not less than 70% by weight of petroleum products	France	5	709	2	636	2	655	3	872	8	1,583
	Singapore	3	287	2	459	-	25	-	48	-	3
	South Africa Rep.	92	7,242	64	4,451	57	6,823	137	14,807	102	11,159
	Thailand	11	779	11	835	-	-	-	62	-	8
	Other countries	108	5,437	18	2,754	60	5,714	47	4,778	105	10,370
Total		**219**	**14,454**	**97**	**9,135**	**119**	**13,217**	**187**	**20,567**	**215**	**23,123**

[1] Revised [2] Provisional

Table 6.23 - Air transport, 2003 - 2012

Year	Number of movements[1]		Freight	
	Landings	Take - offs	Unloaded (Tonnes)	Loaded (Tonnes)
2003	9,455	9,454	20,029	24,338
2004	9,316	9,315	22,381	26,049
2005	9,705	9,820	23,920	25,185
2006 [2]	11,567	11,901	22,418	26,519
2007 [2]	9,734	9,534	23,484	28,300
2008 [2]	9,384	9,393	22,152	34,522
2009 [2]	9,824	9,383	20,400	21,925
2010 [2]	10,160	10,157	23,992	24,267
2011	10,121	10,097	21,707	23,414
2012 [3]	10,016	9,844	23,344	23,730

[1] As from 2005, excludes ferry flights (empty flights)
[2] Revised [3] Provisional

Table 6.24 - Tourist[1] arrivals by mode of transport and tourist nights spent during period, 2003 - 2012

Period	Tourist arrivals during period			Tourist nights spent during period [2]	% change over previous year	
	Sea	Air	Total		Tourist arrivals	Tourist nights
2003	12,155	689,863	702,018	6,952,313	+3.0	+2.7
2004	11,390	707,471	718,861	7,118,603	+2.4	+2.4
2005	13,321	747,742	761,063	7,498,251	+5.9	+5.3
2006	13,249	775,027	788,276	7,760,679	+3.6	+3.5
2007	12,163	894,808	906,971	8,986,934	+15.1	+15.8
2008 [3]	15,961	914,495	930,456	9,218,625	+2.6	+2.6
2009	23,265	848,091	871,356	8,639,304	-6.4	-6.3
2010 [3]	23,648	911,179	934,827	9,554,437	+7.3	+10.6
2011 [3]	25,047	939,595	964,642	9,608,171	+3.2	+0.6
2012 [4]	16,930	948,511	965,441	9,735,000	+0.1	+1.3

[1] A tourist is defined as a non - resident staying in the island for more than 24 hours but less than a year
[2] Including nights spent during reference period by tourist arriving prior to the period.
[3] Revised
[4] Provisional

Table 6.25 - Broadcasting services (end of period), Republic of Mauritius, 2003 - 2012

Year	Unit	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
A. Sound											
Channels	Number	8	8	8	8	9	9	9	10	10	10
Transmitters	"	36	36	36	36	44	45	47	63	67	67
Aerial output:											
Medium wave	kW	10 / 2	10 / 2	10 / 2	10 / 2	10 / 2	10 / 2	10 / 2	10 / 2	10 / 2	10 / 2
F.M.	kW	4 / 2	4 / 2	4 / 2	4 / 2	4 / 2	4 / 2	4 / 2	4 / 2	4/ 2	4/ 2
Weekly transmission time	Hour	1,848	1,848	1,848	1,848	2,016	2,016	2,016	2,184	2,184	2,184
Private operators	Number	3	3	3	3	3	3	3	3	3	3
B. Television											
Channels (including digital)[1]	Number	4	10	10	10	15	20	20	25	25	25
Transmitters	"	86	89	129	140	160	165	168	208	208	212
Aerial output (ERP)	kW	0.4 - 30	0.1 - 30	0.1 - 30	0.1 - 30	0.1 - 30	0.1 - 30	0.1 - 30	0.1 - 30	0.1 - 30	0.1 - 30
Weekly transmission time	Hour	1,008	2,016	2,016	2,016	2,520	3,360	3,360	4,200	4,200	4,200
Television sets licensed											
Isl. of Mauritius	Number	253,126	254,000	268,875	269,166	280,675	308,194	305,010	304,616	306,007	308,582
Isl. of Rodrigues	"	6,286	6,300	6,880	8,228	9,255	9,763	9,967	10,145	10,424	10,738
Private operators	"	2	2	3	3	3	3	3	3	3	3

[1] transmission of same channels on analogue and digital has been counted as two channels

Source: Mauritius Broadcasting Corporation, and Multicarrier (Mauritius) Ltd

Table 6.26 - Telephone services (end of period), 2003 - 2012

Year	Unit	2003	2004	2005	2006	2007	2008	2009	2010	2011 [1]	2012 [2]
Total line capacity of local exchanges	Number	351,146	368,481	396,797	446,797	531,551	497,194	443,239	452,927	604,500	395,696
Main telephone lines in operation	"	348,202	353,808	357,490	357,340	361,319	363,374	381,702	387,700	374,600	349,100
Cellular mobile telephone subscribers	"	466,327	547,831	656,828	772,395	928,622	1,033,259	1,086,748	1,190,900	1,294,100	1,485,800
National telephone traffic (calls)[3]	000	543,041	534,531	543,284	537,137	513,377	449,071	452,530	440,323	422,044	399,737
International outgoing telephone traffic:											
(a) calls	000	13,406	14,831	19,046	19,701	21,386	13,401	64,646	42,364	23,017	35,158
(b) duration	' 000 minutes	43,416	45,539	58,450	59,741	71,412	107,028	123,317	132,317	134,189	110,500

Source: Information & Communication Technologies Authority (ICTA)

[1] Revisec [2] Provisional

[3] Calls irrespective of duration from fixed telephone

Table 6.27 - Health related statistics, 2003 - 2012

Year	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
No of doctors (public sector) [1]	765	775	777	856	844	852	887	967	970	1,000
No of doctors (public and private sectors) [1]	1,173	1,303	1,342	1,400	1,425	1,450	1,475	1,500	1,561	1,722
No of nurses and midwives (public and private sector) [1]	2,958	2,937	2,902	3,087	3,300	3,400	3,500	3,600	3,670	3,757
No of beds (public and private sectors)	4,038	4,073	4,067	4,123	4,080	4,082	4,281	4,188	4,121	4,245
No of children immunised against Tuberculosis [2]	17,021	16,424	16,147	14,700	14,272	13,665	15,821	12,484	12,172	11,845
No of children immunised against diphtheria, pertussis, tetanus, Hib and Hepatitis B	17,036	16,161	15,670	14,756	13,970	14,635	13,376	12,487	11,896	11,754
No of children immunised against Polio (3rd dose) [2]	17,077	16,246	15,747	14,780	13,976	14,663	13,482	12,587	11,997	11,904
No of children immunised against Measles/Mumps/ Rubella (MMR) [2]	17,309	16,184	15,750	15,176	14,400	13,574	13,316	12,499	12,296	12,009
No of cases of (Imported) Malaria reported [1]	40	45	35	38	42	27	23	52	54	30
No of cases of (Introduced) Malaria reported [1]	-	3	1	-	-	-	-	-	-	3

Source:Statistics Unit, Ministry of Health and Quality of Life

[1] Republic of Mauritius

[2] Public sector only

Table 6.28 - Percentage distribution of private households by amenities available, Republic of Mauritius, 2000 and 2011 Housing Censuses

Amenity available	Housing census	
	2000 (%)	2011 (%)
1. Electricity	99.0	99.4
2. Water supply :		
Piped water inside house	83.7	94.2
Piped water outside on premises	14.5	5.2
Public fountain,well, river, etc.	1.8	0.6
3. Availability of water tank/reservoir	36.4	49.5
4. Bathroom		
With running water	89.0	95.5
Without running water	10.1	4.0
Other and None	1.0	0.5
5. Toilet		
Flush toilet	88.8	96.4
Pit latrine	11.0	3.4
Other & none	0.2	0.2
6. Kitchen		
Inside housing unit	87.8	95.5
Outside housing unit	11.4	4.2
None	0.8	0.3
7. Main fuel for cooking :		
Cooking Gas (LPG)	91.5	97.6
Wood and charcoal	4.5	1.9
Kerosene	3.4	0.1
Electricity	0.5	0.3

Table 6.29 - Percentage distribution of private households by method of refuse disposal, Republic of Mauritius 2000 and 2011 Housing Censuses

Method of refuse disposal	Housing census	
	2000 (%)	2011(%)
Regular collection	88.7	96.4
Irregular collection	4.9	1.7
Ash pit on premises	3.8	1.0
Dumped on premises/roadside	2.2	0.7
Used for compost	-	0.1
Other	0.4	0.1
Total	**100.0**	**100.0**

Table 6.30 - Private households [1] by principal fuel used for heating water for bathing [2], Republic of Mauritius, 2011 Housing and Population Census

Fuel type	Urban	Rural	Total
Electricity	28,116	13,374	41,490
Gas	80,560	122,866	203,426
Solar	16,119	25,723	41,842
Other	1,521	5,924	7,445
None [3]	15,062	32,547	47,609
Not stated	493	53	546
Total	**141,871**	**200,487**	**342,358**

[1] Exclude 27 homeless households [2] The water needs not be heated in the bathroom

[3] Includes households who do not regularly use hot water for bathing

Table 6.31 - Private households[1] connected to sewerage system by geographical location, Republic of Mauritius, Housing and Population Census 2011

Geographical location	Sewerage system		
	Connected	Not connected	Total
Port Louis	28,442	4,281	32,723
Pamplemouses	3,848	32,302	36,150
Riviere du Rempart	1,473	27,900	29,373
Flacq	-	36,625	36,625
Grand Port	-	30,360	30,360
Savanne	-	18,992	18,992
Plaines Wilhems	39,496	64,425	103,921
Moka	1,372	20,750	22,122
Black River	28	20,997	21,025
Total Island of Mauritius	**74,659**	**256,632**	**331,291**
	(22.5%)	**(77.5%)**	**(100%)**
Island of Rodrigues	-	10,988	10,988
Agalega	-	79	79
Republic of Mauritius	**74,659**	**267,699**	**342,358**
	(21.8%)	**(78.2%)**	**(100.0%)**

[1]Excluding 27 homeless households with a population of 28

Table 6.32 - No. of complaints received at the Pollution Prevention and Control Division by category, 2003 - 2012

Category	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Noise	583	444	342	178	135	157	123	160	170	131
Solid waste	88	177	201	137	88	49	136	118	127	100
Air pollution	209	129	154	61	62	57	57	76	96	105
Waste water	155	180	289	92	76	84	72	77	84	71
Odour	344	328	272	121	88	102	88	128	77	79
Other [1]	389	447	215	224	119	147	46	63	177	176
Total	**1,768**	**1,705**	**1,473**	**813**	**568**	**596**	**522**	**622**	**731**	**662**

Source: Ministry of Environment & Sustainable Development

[1] includes backfilling, erosion, illegal construction, objections to projects, law and order, land conversion, land reclamations, landslides etc

Table 6.33 - Contraventions and notices established by Police De L'Environnement, 2003 - 2012

Type of contravention	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Illegal Littering	3,965	4,422	3,624	9,427	8,119	8,246	3,402	963	687	1,827
Illegal Dumping	31	19	14	32	16	51	-	152	35	11
Noise	97	63	30	-	12	91	27	11	34	18
Smoking in prohibited area	40	77	38	63	75	8	48	61	58	178
Waste carriers offences	101	64	18	21	-	8	3	-	-	2
Setting fire within 50 metres from building/plantation	32	11	4	3	-	9	1	-	-	-
Obstruction	39	27	10	1	-	11	-	-	-	-
Road Traffic Offences	65	195	193	372	133	328	134	8	16	388
Trading without licence/without PER	126	100	56	47	47	80	-	41	28	55
Allowing animal to stray	40	15	10	-	-	-	-	2	-	-
Disturbance	11	3	1	1	-	-	-	23	-	-
Others	24	13	15	46	30	90	81	23	15	61
Total	**4,571**	**5,009**	**4,013**	**10,013**	**8,432**	**8,922**	**3,696**	**1,284**	**873**	**2,540**

No. of notices issued to drivers of vehicles emitting black smoke	3,666	4,172	5,156	6,236	3,796	6,782	2,270	1,651	374	(Jan-May) 60 *

Source: Ministry of Environment and Sustainable Development

* With the introduction of the smoke meter in June 2012, the Police De L'Environnement has started to issue contraventions to drivers of vehicles emitting heavy smoke directly by virtue of the Road Traffic (Control of Vehicle Emissions) Regulations 2002.

From June to December 2012, the number of contraventions issued was 73

Table 6.34 - Employment by industrial group and sex, March 2012 , Republic of Mauritius

Number

Industrial group	Male	Female	Both sexes
Agriculture, forestry and fishing	**11,778**	**2,551**	**14,329**
Sugarcane	6,757	1,134	7,891
Tobacco	30	58	88
Flower growing	66	107	173
Tea	142	206	348
Other crop production	86	32	118
Raising of poultry	218	71	289
Other animal production	777	97	874
Forestry, logging fishing and aquaculture	1,268	163	1,431
Support activities to agriculture, forestry anf fishing	2,434	683	3,117
Mining and quarrying	**839**	**136**	**975**
Quarrying of stone and sand	762	74	836
Extraction of salt (including refining by producer)	77	62	139
Manufacturing	**37,040**	**36,314**	**73,354**
Food:			
Processing and preserving of meat	1,170	416	1,586
Processing and preserving of fish and other seafood	1,451	2,771	4,222
Processing and preserving of fruits and vegetables	178	186	364
Dairy products	242	103	345
Vegetables and animal oils and fats, grain mill products	511	68	579
Bakery products:			
Bread	564	79	643
Pastries and cakes	97	105	202
Biscuits and other dry bakery products	172	225	397
Sugar	1,289	17	1,306
Cocoa, chocolate and sugar confectionery	42	273	315
Macaroni, noodles, coucous and similar farinaceous products	166	162	328
Other food products	486	269	755
Distilled potable alcoholic beverages	283	81	364
Other beverages	1,953	280	2,233
Textiles	3,233	1,407	4,640
Wearing apparel	13,861	23,397	37,258
Leather products	138	436	574
Footwear and parts of footwear	82	84	166
Other products of wood, cork, straw and plaiting materials	211	411	622
Paper and paper product	395	203	598
Printing and reproduction of recorded media	1,241	609	1,850
Basic chemicals, fertilizers and nitrogen compounds, plastics and synthetic rubber in primary forms	453	193	646
Pharmaceuticals, medicinal and other chemical products	1,414	470	1,884
Rubber products	89	47	136
Plastic products	897	298	1,195
Glass and other non metallic mineral products	1,089	121	1,210
Basic metals	472	24	496
Structural metal products, tanks, reservoirs and steam generators	1,029	116	1,145
Other fabricated metal products; metal working service activities	535	235	770
Computer, eletronic and optical goods	711	837	1,548
Electrical equipment	142	159	301
Motor vehicles, trailers and other transport equipment	512	29	541
Furniture	740	131	871
Jewellery, bijouterie and related articles	587	957	1,544
Other manufacturing n.e.c	498	1,085	1,583
Repair and installation of machinery and equipment	107	30	137

Table 6.34 (cont'd) - Employment by industrial group and sex, March 2012, Republic of Mauritius

Number

Industrial group	Male	Female	Both sexes
Electricity, gas, steam and air conditioning supply	**2,240**	**133**	**2,373**
Water supply, sewerage, waste management and remediation activities	**1,564**	**357**	**1,921**
Water supply, sewerage and waste management	1,439	262	1,701
Materials recovery	125	95	220
Construction	**14,551**	**804**	**15,355**
Construction of buildings	10,800	507	11,307
Civil engineering	708	63	771
Specialised construction activities	3,043	234	3,277
Wholesale & retail trade; repair of motor vehicles and motorcycles	**15,729**	**9,393**	**25,122**
Sale of motor vehicles and motorcycles	1,439	376	1,815
Maintenance and repair of motor vehicles	236	32	268
Sale of motor vehicles parts and accessories	534	117	651
Wholesale on a fee or contract basis of agricultural raw materials	467	195	662
Wholesale of food, beverages and tobacco	3,101	958	4,059
Wholesale of textiles, clothing and footwear	117	220	337
Wholesale of other household goods	1,008	623	1,631
Wholesale of machine equipment and supplies	848	285	1,133
Other specialised and non specialised wholesale	1,426	526	1,952
Retail sale in non-specialised stores with food, beverages or tobacco predominating	1,694	2,561	4,255
Retail sale of automotive fuel	91	13	104
Retail sale of information and communications equipment in specialised stores	769	330	1,099
Other retail sale	3,999	3,157	7,156
Transport and storage	**12,889**	**2,600**	**15,489**
Passenger land transport	5,109	328	5,437
Freight transport by road	793	22	815
Water & air transport	1,542	851	2,393
Warehousing and storage	847	138	985
Support activities for tranportation	3,629	810	4,439
Postal and courrier activities	969	451	1,420
Accommodation and food service activities	**16,910**	**7,229**	**24,139**
Accommodation	15,359	6,256	21,615
Food and beverage service activities	1,551	973	2,524
Information and communication	**5,667**	**3,902**	**9,569**
Publishing activities	595	340	935
Motion picture, video and telvision programme production; programming and braodcasting activities	619	312	931

Table 6.34 (cont'd) - Employment by industrial group and sex, March 2012, Republic of Mauritius

Number

Industrial group	Male	Female	Both sexes
Telecommunications	1,805	839	2,644
Computer programming, consultancy and related activities	2,165	1,610	3,775
Information service activities	483	801	1,284
Financial and insurance activities	**5,962**	**6,043**	**12,005**
Monetary intermediation	3,863	3,684	**7,547**
Other financial services activities	604	685	1,289
Insurance, reinsurance and pension funding	1,172	1,274	2,446
Activities auxiliary to financial service and insurance activities	323	400	723
Real Estate Activities	**378**	**178**	**556**
Professional, Scientific and Technical Activities	**4,099**	**2,258**	**6,357**
Administrative and support service activities	**10,681**	**6,266**	**16,947**
Rental, leasing activities and employment activities	279	66	345
Travel agency activities	96	163	259
Tour operator activities	605	426	1,031
Security and investigation activities	4,609	470	5,079
Services to building and landscape activities	2,426	1,945	4,371
Activities of call centres	1,674	2,197	3,871
Business support service activities n.e.c	992	999	1,991
Public administration & defence; compulsory social security	**28,936**	**9,924**	**38,860**
Education	**10,801**	**14,963**	**25,764**
Human health and social work activities	**7,535**	**8,229**	**15,764**
Human health activities	6,653	7,025	13,678
Residential care and social work activities without accommodation	882	1,204	2,086
Arts, entertainment and recreation	**2,384**	**1,042**	**3,426**
Libraries, archives, museums and other cultural activities	280	176	456
Gambling and betting activities	880	551	1,431
Sports activities and amusement and recreation activities	1,224	315	1,539
Other service activities	**847**	**628**	**1,475**
Activities of memebership organisations	444	335	779
Other personal service activities	403	293	696
Total	**190,830**	**112,950**	**303,780**

Table 6.35 - Number of accidents by economic activity, bodily location and agency, Republic of Mauritius, 2012

Economic Activity	Bodily Location[1]										Material Agency							
	1.Head	2.Neck (including spine & vertebrate in neck)	3.Back, including spine & vertebrate in the back	4.Trunk and internal organs	5.Upper extremeties	6.Lower extremeties	7.Whole body and multiple sites	8.Other parts of body injured	9.Part of body injured, unspecified	TOTAL	1.Machines	2.Means of transport & lifting equipment	3.Other equipment	4.Materials, substances & radiations	5.Working environment	6.Other agencies, not elsewhere classified	7.Agencies not classified for lack of sufficient data	TOTAL
Agriculture, hunting & forestry	55	0	32	2	61	55	1	11	4	**221**	6	2	2	2	129	9	71	**221**
Fishing	0	0	1	0	4	0	0	0	0	**5**	0	0	0	0	4	0	1	**5**
Mining & quarrying	0	0	0	0	0	0	0	0	0	**0**	0	0	0	0	0	0	0	**0**
Manufacturing	39	1	29	1	103	59	0	7	10	**249**	4	1	0	0	139	10	95	**249**
Electricity, gas & water supply	0	0	0	0	0	1	0	0	0	**1**	0	0	0	0	0	0	1	**1**
Construction	70	1	43	4	192	141	1	8	9	**469**	16	0	2	0	258	17	176	**469**
Wholesale and retail trade; repair of motor vehicles,motor cycles and personal and household goods	3	0	3	0	16	25	1	1	6	**55**	1	0	0	0	34	4	16	**55**
Hotels & restaurants	2	0	3	0	4	6	0	1	1	**17**	0	0	0	0	14	0	3	**17**
Transport, storage & communications	16	2	11	5	47	39	0	7	6	**133**	8	11	2	0	66	5	41	**133**
Financial intermediation	0	0	0	0	0	0	0	0	0	**0**	0	0	0	0	0	0	0	**0**
Real Estate, renting & business activities	4	1	4	1	10	11	0	1	2	**34**	0	0	0	0	27	0	7	**34**
Public administration & defence;compulsory social security	0	0	0	0	0	0	0	0	0	**0**	0	0	0	0	0	0	0	**0**
Education	0	0	0	0	0	2	0	0	0	**2**	0	0	0	0	2	0	0	**2**
Health & social work	5	0	2	0	3	4	0	0	0	**14**	1	0	0	0	12	0	1	**14**
Other community, social & personal service activities	0	0	0	0	2	4	0	0	0	**6**	0	0	0	0	3	0	3	**6**
Private households with employed persons	0	0	0	0	0	1	0	0	0	**1**	0	0	0	0	1	0	0	**1**
Extra-territorial organisations & bodies	0	0	0	0	0	0	0	0	0	**0**	0	0	0	0	0	0	0	**0**
TOTAL	**194**	**5**	**128**	**13**	**442**	**348**	**3**	**36**	**38**	**1,207**	**36**	**14**	**6**	**2**	**689**	**45**	**415**	**1,207**

[1] According to new classification

CHAPTER 7

STATISTICS ON ENVIRONMENT FROM SURVEYS

Table 7.1 - Households with members suffering from health problems related to air pollution by type of problem, Continuous Multi-Purpose Household Survey (CMPHS) 2001, (Republic of Mauritius)

Health problem	Households reporting specific health problems		as a % of all sampled households
	Number	as a % of households reporting health problems	
Breathing difficulties	242	62.0	3.8
ENT problems	163	41.2	2.6
Asthma	138	35.4	2.2
Eye troubles	81	20.8	1.3
Skin diseases	65	16.7	1.0

Source: Statistics Mauritius, Continuous Multi-Purpose Household Survey, 2001

Table 7.2 - Rating of the state of the environment by head of household surveyed, Continuous Multi-Purpose Household Survey (CMPHS) 2001, (Republic of Mauritius)

Situation	Percentage of households having rated the situation as :				
	Very Good	Good	Satisfactory	Poor	Bad
Vicinity of house	3.4	34.3	38.0	17.5	6.8
Rivers/riverside	0.7	17.4	32.3	33.2	16.4
Industrial/commercial sites	0.6	21.0	40.8	26.4	11.2
Beaches	5.6	40.3	40.3	10.3	3.5
Country in general	1.6	24.4	48.4	19.8	5.8

Source: Statistics Mauritius, Continuous Multi-Purpose Household Survey, 2001

Table 7.3 – Percentage distribution of households surveyed by specified environment problem,Continuous Multi-Purpose Household Survey (CMPHS) 2002, (Republic of Mauritius)

Environmental problem	Percentage of household affected		
	Not affected at all	Affected to some extent	Seriously affected
Dumping of solid waste	80.4	12.8	6.8
Waste/stagnant water	83.1	10.8	6.1
Stray dogs	62.1	25.6	12.3
Breeding of animals by neighbours	89.6	7.5	2.9
Rats/mice	64.9	26.3	8.8
Presence of crows	90.8	6.8	2.4
Traffic noise	75.7	18	6.3
Industrial noise	95.2	3.3	1.5
Other noise	86.8	9.8	3.4
Smoke/dust	81.7	13	5.3
Odours	83.1	10.8	6.1

Source: Statistics Mauritius, Continuous Multi-Purpose Household Survey, 2002

Table 7.4 - Distribution of households surveyed by methods of carrying goods purchased, Continuous Multi-Purpose Household Survey (CMPHS) 2002, (Republic of Mauritius)

Method of carrying goods purchased	Number of households	%
Plastic bags provided and own bag/basket	4,414	70.1
Only plastic bags provided	1,388	22.0
Own bag/basket only	498	7.9
Total	**6,300**	**100.0**

Source: Statistics Mauritius, Continuous Multi-Purpose Household Survey, 2002

Table 7.5 - Percentage distribution of households by response on solid waste issues, Continuous Multi-Purpose Household Survey (CMPHS) 2007, (Republic of Mauritius)

Household Response	Yes (%)	No (%)
(i) Prepared to separate waste	87.8	12.2
(ii) Prepared to transport by own means	23.5	76.5
(iii) Satisfied with waste collection	72.3	27.7
(iv) Aware that waste can be composted	70.7	29.3
(v) Do composting	65.0	35.0
(vi) Prepared to make compost	52.2	47.8

Source: Statistics Mauritius, Continuous Multi-Purpose Household Survey, 2007

Table 7.6 - Percentage distribution of households by environmental issues, Continuous Multi-Purpose Household Survey (CMPHS) 2007, (Republic of Mauritius)

Environmental issues	Yes (%)	No (%)
1. Awareness of Environmental Programmes		
(i) Aware of Environmental Programmes on		
Radio	82.5	17.5
Television	84.3	15.7
(ii) Listened to or watched Environmental Programmes		
Radio	70.2	29.8
Television	72.8	27.2
2. Participation in Clean up Campaigns		
Participated in Clean up Campaigns	20.0	80.0
3. PET Bins		
(i) Used bins	35.3	64.7
(ii) Reason for not using bins		
a. Not aware	25.4	74.6
b. Not accessible/too far	39.1	60.9
c. No transport available	7.1	92.9
d. Not interested	4.0	96.0
4. Plastic bags		
Used for shopping		
(i) Own bag	96.1	3.9
(ii) Plastic bag provided/sold by sellers	69.7	30.3

Source: Statistics Mauritius, Continuous Multi-Purpose Household Survey, 2007

Table 7.7 - Percentage distribution of households surveyed by type of vehicles owned, Continuous Multi-Purpose Household Survey (CMPHS) 2009, (Republic of Mauritius)

Vehicle type	Yes (%)	No (%)
Motorcycle	24.6	75.4
Car	20.1	79.9
Dual Purpose Vehicle	2.3	97.7
Van	4.4	95.6
Truck	1.1	98.9
Other	0.4	99.6

Source: Statistics Mauritius, Continuous Multi-Purpose Household Survey, 2009

Table 7.8 - Percentage distribution of households surveyed reporting on average kilometres travelled per year by type of vehicles owned, Continuous Multi - Purpose Household Survey (CMPHS) 2009, (Republic of Mauritius)

Vehicle type	Average kilometres travelled			
	<10,000	10,000 - 15,000	15,001 - 20,000	>20,000
Motorcycle/autocycle gasoline	72.6	19.3	4.6	3.5
Car gasoline	37.7	33.6	14.2	14.5
Car gasoline/gas	24.2	24.2	24.2	27.4
Car diesel	22.1	41.3	11.5	25.0
Car blended ethanol	-	-	-	-
Car other fuel	44.4	22.2	16.7	16.7
Dual Purpose Vehicle gasoline	20.0	32.0	20.0	28.0
Dual Purpose Vehicle gasoline/gas	-	16.7	33.3	50.0
Dual Purpose Vehicle diesel	26.1	31.1	18.5	24.4
Dual Purpose blended ethanol	-	-	-	-
Dual Purpose Vehicle other fuel	-	100.0	-	-
Van gasoline	40.6	33.3	17.4	8.7
Van gasoline/gas	33.3	22.2	22.2	22.2
Van diesel	27.6	28.6	18.6	25.1
Van blended ethanol	50.0	-	-	50.0
Van other fuel	-	-	-	-
Truck diesel	15.3	27.8	22.2	34.7
Other vehicle and fuel	37.5	16.7	4.2	41.7

Source: Statistics Mauritius, Continuous Multi-Purpose Household Survey, 2009

Table 7.9 - Percentage distribution of households surveyed by awareness of global environmental challenges, Continuous Multi - Purpose Household Survey (CMPHS) 2009, (Republic of Mauritius)

Environmental Challenge	Yes (%)	No (%)
Climate change (e.g impacts such as abnormal weather, flooding, cyclone, sea level rise, coastal erosion, etc)	82.7	17.3
Ozone layer depletion (e.g use of substances that deplete ozone layer such as sprays, refrigerators, air conditioned. Also impacts such as skin burnt, skin cancer, eye cataract, etc)	49.8	50.2
Loss of biodiversity (e.g deforestation, extinction of animals, plants, habitat loss, etc)	46.2	53.8
Other (e.g pollutions, oil spills etc)	29.5	70.5

Source: Statistics Mauritius, Continuous Multi-Purpose Household Survey, 2009

Table 7.10 - Percentage distribution of households surveyed by type and number of vehicles owned, Continuous Multi-Purpose Household Survey (CMPHS) 2009, (Republic of Mauritius)

Type / Number	Motorcycle/ Autocycle	Car	Dual Purpose	Van	Truck	Other
0	75.4	79.9	97.7	95.6	98.9	99.6
1	23.1	18.4	2.3	4.3	1.1	0.3
2	1.4	1.6	0	0.1	0	0.1
3	0.1	0.1	-	-	-	-
3 or more	-	-	-	-	-	-
Total	**100**	**100**	**100**	**100**	**100**	**100**

Source: Statistics Mauritius, Continuous Multi-Purpose Household Survey, 2009

Table 7.11 - Number and percentage distribution of tourists interviewed by rating of the state of the environment at various sites, Survey of outgoing tourists, 2000 & 2002

Site	Number of Parties		Percentage									
			Very Poor		Poor		Satisfactory		Good		Excellent	
	2000	2002	2000	2002	2000	2002	2000	2002	2000	2002	2000	2002
Beaches	13,166	15,760	0.8	0.5	4.4	4.2	15.6	13.0	57.9	59.8	21.3	22.6
Public places	13,019	15,710	2.0	1.2	16.4	13.0	31.7	26.0	41.6	47.5	8.4	12.3
Tourist Sites	11,708	14,937	0.5	0.3	3.5	3.4	19.4	18.5	61.9	61.3	14.6	16.5
Country in general	13,476	15,906	2.1	0.5	12.2	5.4	28.9	24.2	46.0	56.4	10.8	13.5

Table 7.11 (Cont'd) - Number and percentage distribution of tourists interviewed by rating of the state of the environment at various sites, Survey of outgoing tourists, 2004 & 2006

Site	Number of Parties		Percentage									
			Very Poor		Poor		Satisfactory		Good		Excellent	
	2004	2006	2004	2006	2004	2006	2004	2006	2004	2006	2004	2006
Beaches	16,151	15,648	0.7	0.7	4.1	4.6	11.7	12.5	63.6	56.9	20.0	25.3
Public places	16,189	15,399	1.3	1.2	13.3	10.7	25.5	23.2	50.0	53.0	9.8	11.9
Tourist Sites	15,396	14,669	0.4	0.4	4.7	3.2	18.1	15.8	63.7	63.1	13.0	17.5
Country in general	16,400	15,996	0.6	0.6	6.0	5.2	22.3	20.4	60.0	59.3	11.1	14.5

Table 7.11 (Cont'd) - Number and percentage distribution of tourists interviewed by rating of the state of the environment at various sites, Survey of outgoing tourists, 2009

Site	Number of Parties	Percentage				
		Very Poor	Poor	Satisfactory	Good	Excellent
Beaches	15,428	0.5	5.4	13.4	62.3	18.4
Public places	15,587	1.1	11.2	21.6	57.0	9.1
Tourist Sites	14,699	0.1	2.0	10.3	67.1	20.5
Country in general	15,881	0.2	2.6	12.8	71.2	13.2

Table 7.12 - Percentage distribution of households by awareness of environmental issues, Continuous Multi-Purpose Household Survey (CMPHS)[1] 2012, Republic of Mauritius

Environmental Issues	%	
	Yes	No
1. Maurice Ile Durable	69.9	30.1
2. Environment friendly goods (e.g ozone friendly products)	58.6	41.4
3. Greenhouse gas emission from fossil combustion is responsible for climate change	60.8	39.2
4. Effect of climate change (e.g abnormal weather, flooding, sea level rise, etc)	81.5	18.5
5. Environmental benefits of car pooling	53.3	46.7
6. Emission from vehicles cause air pollution	89.1	10.9
7. Environment benefits of using bicycle or walking short distances	84.3	15.7
8. Dumping at unauthorised places is illegal	91.8	8.2

Source: Statistics Mauritius, Continuous Multi-Purpose Household Survey, 2012
Note: Figures are based on sample reults of 5,640 households surveyed

Table 7.13 - Percentage distribution of households taking measures to reduce/reuse/recycle waste, Continuous Multi-Purpose Household Survey (CMPHS) 2012, Republic of Mauritius

Measures	Households reporting on measures to reduce/reuse/recycle waste		
	Number	as a % of households reporting taking measures	as a % of all sampled households
1. Use own bags for shopping	3,895	91.9	69.1
2. Choose products with minimum packing	1,590	37.5	28.2
3. Reuse plastic bags	3,528	83.2	62.6
4. Reuse empty containers	2,784	65.7	49.4
5. Compost waste	883	20.8	15.7
6. Other	53	1.3	0.9

Note: Figures are based on sample results of 5,640 households surveyed of which 75% took measures

Table 7.14 - Percentage distribution of households collecting and using rainwater for household purposes, Continuous Multi-Purpose Household Survey (CMPHS) 2012, Republic of Mauritius

Purposes	Households reporting on purposes of collecting rainwater		
	Number	as a % of households reporting taking measures	as a % of all sampled households
1. General cleaning (house, car and pavement)	1,791	89.2	31.8
2. Watering plants/lawn	1,383	68.9	24.5
3. Other	171	8.5	3.0

Source: Statistics Mauritius, Continuous Multi-Purpose Household Survey, 2012

Note: Figures are based on sample results of 5,640 households surveyed of which 36% collect rain water

Table 7.15 - Percentage distribution of households equipped with solar water heater, Continuous Multi-Purpose Household Survey (CMPHS), 2012, Republic of Mauritius

Solar water heater	%
Equipped	19.7
Not equipped	80.3
Interested to buy	*41.2*
Not interested to buy	*39.1*
Total	**100.0**

Source: Statistics Mauritius, Continuous Multi-Purpose Household Survey, 2012

Table 7.16- Percentage distribution of households equipped with a solar water heater by geographical district, Continuous Multi-Purpose Household Survey (CMPHS), 2012, Republic of Mauritius

Geographical district	%	
	Yes	No
Port Louis	12.6	87.4
Pamplemousses	26.7	73.3
Riviere du Rempart	26.4	73.6
Flacq	19.8	80.2
Grand Port	18.2	81.8
Savanne	12.0	88.0
Plaines Wilhems	21.9	78.1
Moka	22.2	77.8
Black River	19.3	80.7
Rodrigues	12.8	87.2
Total	**19.7**	**80.3**

Source: Statistics Mauritius, Continuous Multi-Purpose Household Survey, 2012

Table 7.17 - Percentage distribution of households not interested to buy a solar water heater by reason, Continuous Multi-Purpose Household Survey (CMPHS), 2012, Republic of Mauritius

Reason	%
Not necessary	51.8
Too expensive	40.5
Not appropriate for region	2.6
Other reasons	5.1
Total	**100.0**

Source: Statistics Mauritius, Continuous Multi-Purpose Household Survey, 2012

Table 7.18 - Percentage distribution of housholds by measures taken to reduce electrical energy consumption, Continuous Multi-Purpose Household Survey (CMPHS), 2012, Republic of Mauritius

Measures	% of households reporting	
	Yes	No
Turning off lights when not in use	97.5	2.5
Switch off electric appliances after use	80.1	19.9
Use low consumption electric bulbs	73.8	26.2
Use other energy sources instead of electricity for cooking	73.5	26.5
Use other energy sources instead of electricity for water heating	62.7	37.3
Iron clothes in batches	52.2	47.8
Use energy efficient electric appliances	32.4	67.6
Other measures	0.7	99.3

Source: Statistics Mauritius, Continuous Multi-Purpose Household Survey, 2012

Note: Figures are based on sample reults of 5,640 households surveyed

TECHNICAL NOTES

Introduction

The statistics presented in this report are divided into seven main chapters corresponding to the following components of the natural environment: Flora, Fauna, Atmosphere, Water, Land, Human Settlements and Statistics on Environment from surveys.

Concept and coverage

The following United Nations manuals have been used as a basis for the compilation of the data on environment statistics.

- A Framework for the Development of Environment Statistics, Statistical Papers, M78, United Nations.

- Concepts and Methods of Environment Statistics, Statistics of Natural Environment, Studies in Methods, F57, United Nations.

- Concepts and Methods of Environment Statistics, Human Settlements Statistics, Studies in Methods, F51, United Nations.

- Glossary of Environment Statistics, Studies in Methods, Series F, No. 67.

The digest covers data for the period 2003 to 2012, wherever possible. Environmental data are collected over different time periods, ranging from decades in some major censuses to monthly, daily, hourly or even continual monitoring. Hence, in some cases, annual data are not available due to the periodicity of censuses and surveys.

Sources

The tables and figures have been compiled with the help of the following organisations:

- Ministry of Environment and Sustainable Development
- The Forestry Service - Ministry of Agro Industry and Food Security
- National Parks and Conservation Service - Ministry of Agro Industry and Food Security
- Albion Fisheries Research Centre - Ministry of Fisheries
- Agricultural Research and Extension Unit (AREU) - Ministry of Agro Industry and Food Security
- The Meteorological Services
- Water Resources Unit - Ministry of Energy and Public Utilities.
- Central Water Authority
- Central Electricity Board
- Statistics Unit – Ministry of Health and Quality of Life.
- Ministry of Local Government and Outer Islands.
- Waste Water Management Authority

Data in tables where sources are not indicated have been extracted from publications of Statistics Mauritius.

Concepts and definitions

Environment

Environment is the totality of all the external conditions affecting the life, development and survival of an organism.

Flora

Flora: A general term for all forms of plant life characteristic of a region, period or special environment.

Protected Area: Legally established land or water area under either public or private ownership that is regulated and managed to achieve specific conservation objectives.

Silviculture: Management of forest land for timber, including

(i) Weeding : Weeding is defined as the removal of unwanted plants, particularly at seedling stage.

(ii) Staking : Straightening of young plants bent during cyclones, using guava sticks.

(iii) Recruiting: Replacement of dead seedlings at the initial stage of growth.

Wetland: Area of low-lying land where the water table is at or near the surface most of the time. Wetlands include swamps, bogs, fens, marshes and estuaries.

Fauna

Fauna: A general term for all forms of animal life characteristic of a region, period or special environment.

Marine Park: Permanent marine reservation for the conservation of species. It constitutes an extension, to the undersea world, of the concept of the terrestrial national park.

Atmosphere

Chlorofluorocarbons: Inert, non-toxic and easily liquefied chemicals used in refrigeration, air-conditioning, packing and insulation or as solvents and aerosol propellants.

Greenhouse gases (GHG): These gases occur naturally and result from human activities (production and consumption) that contribute directly or indirectly to global warming. Some main GHG are Carbon Dioxide (CO_2), methane (CH_4) and Nitrous Oxide (N_2O). Other gases such as Carbon monoxide (CO), oxides of Nitrogen (NOx), non methane volatile organic compounds (NMVOC) and Sulphur dioxide (SO_2), contribute indirectly to global warming. GHG act much like a glass greenhouse, trapping heat in the lower levels of the atmosphere and reflecting the heat back to the earth's surface, causing it to heat up.

Ozone depletion: Destruction of ozone in the stratosphere, where it shields the earth from harmful ultraviolet radiation.

Water

Chemical Oxygen Demand (COD): This is a measure of the oxygen required to oxidize all compounds in water. It represents the amount of organic matter in the media.

Chloride: Chloride appears in the highest concentrations in natural fresh water systems. It is important in terms of metabolic processes. High Chloride levels can make freshwater unpalatable and unsuitable for various uses including agriculture.

Conductivity: This is the measurement of the ability of water to conduct an electric current. It can indicate saline intrusion or other sources of pollution.

Dissolved Oxygen (DO): This is a measure of the amount of oxygen dissolved in water. DO is essential to the respiratory metabolism of most aquatic organisms. It affects the solubility and availability of nutrients.

Ecosystem: The interacting system of a biological community and its non living surroundings.

Eutrophication: This is the slow process during which a lake or estuary evolves into a bog or marsh and eventually disappears

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Evapotranspiration: Combined loss of water by evaporation from the soil or surface water and transpiration from plants and animals.

Fluoride: Fluoride may be present as the result of the natural decomposition of rocks.

Groundwater recharge: Process by which water is added from outside to fresh water found beneath the earth surface.

Nitrate: This is a measure of the most oxidised and stable form of nitrogen in a water body. It is used by plants as a nutrient to stimulate growth. Excessive amount of nitrate can lead to eutrophication.

Pesticide: a product or substance used in the control of pests which may affect public health or attack resources of use to man.

pH Value: Measure of the acidity or alkalinity of a liquid. A pH value in the range of 0 to less than 7 indicates acidity, a pH value in the range of more than 7 to 14 indicates alkalinity, and a pH value of 7 signifies neutrality.

Phosphate: Phosphorus in the form of phosphate commonly occurs in all natural waters. It is a nutrient and is used by plants to stimulate growth. High concentrations of phosphate can cause eutrophication.

Precipitation: Rain falling from the atmosphere and deposited on land or water surfaces.

Sedimentation: Settling of matter to the bottom of a liquid or water body, notably a reservoir.

Sulphate: Sulphate usually occurs in natural waters. High concentrations of sulphate can have a laxative effect on human beings.

Surface runoff: The flow of surface water from rainfall, which flows directly to streams, rivers, lakes and sea. Runoff may cause soil erosion.

Temperature: This is a measurement of the intensity (not amount) of heat stored in a volume of water. It affects the solubility of many chemical compounds and can therefore influence the effect of pollutants on aquatic life.

Total Dissolved Solids (TDS): This is a measure of the amount of dissolved material in the water. High concentrations of TDS limit the suitability of water as a drinking source and irrigation supply.

Turbidity: This is a measurement of the suspended particulate matter in a water body, which interferes with the passage of a beam of light through the water. High levels of turbidity increase the total available surface area of solids in suspension upon which bacteria can grow. High turbidity reduces light penetration.

Waste water: Used water typically discharged into the sewage system. It contains matter and bacteria in solution or suspension.

Water balance: The water balance is based on long term records of annual average rainfall and indicates how freshwater resources are distributed.

Land

Built-up areas: Built-up areas consist of land under houses, industrial zones, quarries or any other facilities, including their auxiliary spaces, deliberately installed so that human activities may be pursued.

Environmental Impact assessment (EIA): Analytical process that systematically examines the possible environmental consequences of the implementation of projects, programmes and policies.

Land use: Land use refers to the main activity taking place on an area of land, for example, farming, forestry or housing.

Landfill: Final placement of waste in or on the land in a controlled or uncontrolled way according to different sanitary, environmental protection and other safety requirements.

Nutrient: A nutrient is a substance, element or compound necessary for the growth and development of plants.

Preliminary Environmental Report (PER): This is a short form of EIA and this preliminary analysis is undertaken to identify the impacts associated with the proposed development and the means of mitigation

Solid waste: These are useless, and sometimes hazardous, materials with low liquid content. Solid waste includes domestic garbage, industrial and commercial waste, sewage sludge, wastes resulting from agricultural and animal husbandry operations and other connected activities and demolition wastes.

Human settlements

Energy intensity: Energy intensity provides a measure of the efficiency with which energy is being used in production.

Gross Domestic Product (GDP): GDP is the aggregate money value of all goods and services produced within a country out of economic activity during a specified period, usually a year, before provision for the consumption of fixed capital.

Human settlements: Integrative concept that comprises (a) physical components of shelter and infrastructure and (b) services to which the physical elements provide support, that is, community services such as education, health, culture, welfare, recreation and nutrition.

Life expectancy at birth: This is the average number of years that a new born child would be expected to live if subjected to the mortality conditions expressed by a particular set of age–specific death rates.

Primary energy requirement: It is the sum of imported fuels and locally available fuels less re-exports of bunkers and aviation fuel to foreign aircraft after adjusting for stock changes.

Photovoltaic : Photovoltaic systems convert solar energy from the sun directly into electricity. This is a renewable form of energy production.

Landfill Gas (LFG): Landfill gas (LFG) is a mixture of different gases, mainly methane and carbon dioxide. It is generated during the natural process of bacterial decomposition of organic material contained in solid waste landfills. LFG is an asset when it is used a a source of energy to produce electricity or heat. By using LFG to produce energy, lanfills can significantly reduce emissions of methane into the atmosphere while decrease dependency on fossils fuels to generate electricity.

ABBREVIATIONS AND SYMBOLS

Abbreviations

%	Percentage
000	Thousand
c.i.f	Cost, insurance, freight
EIA	Environmental Impact Assessment
f.o.b	free on board
Gg	Gigagram (thousand tonnes)
GWh	Gigawatt hour (million kWh)
ktoe	Thousand tonnes of oil equivalent
kWh	Kilowatt hour
LPG	Liquefied Petroleum Gas
m^3	Cubic metres
Mm^3	Million cubic metres
MSDG	Medium Scale Distributed Generation
n.e.s	Not elsewhere specified
NPCS	National Parks and Conservation Service
PER	Preliminary Environmental Report
PM_{10}	Particles Matter of size less or equal to 10 microns
ppb	Part per billion
ppm	Part per million
Rs	Rupees
Rs mn	Rupees million
SIFB	Sugar Insurance Fund Board
SSDG	Small Scale Distributed Generation
Toe	Tonne of oil equivalent
TSP	Total suspended particles
$\mu g/m^3$	Micrograms per cubic metre
US$	US dollar

Symbols

-	Nil or negligible
…	Not available

Conversion factor

1 square kilometre	= 100 hectares