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OF  
ENERGY AND WATER  
STATISTICS - 2012**

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OF  
ENERGY AND WATER  
STATISTICS - 2012**

# **DIGEST OF ENERGY AND WATER STATISTICS - 2012**

## **FOREWORD**

This is the fifteenth issue of a regular publication of Statistics Mauritius on energy and water statistics. It presents latest statistics on energy for the years 2003 to 2012, and on water for the period 2008 to 2012. All data refer to the Republic of Mauritius, unless otherwise specified and may be subject to revision in subsequent issues of the digest.

It is hoped that the statistics contained in this publication will prove useful to a wide range of users including planners, policy makers and research workers.

This digest has been prepared with the collaboration of the Central Electricity Board, the Central Water Authority and several other public and private organisations. The co-operation and assistance of all these organisations are gratefully acknowledged.

This publication, together with other publications of Statistics Mauritius, is available on the website *<http://statsmauritius.gov.mu>*.

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## Symbols & abbreviations

-	Nil
...	Not available
000	Thousand
c.i.f	Cost, insurance and freight
CEB	Central Electricity Board
CMPHS	Continuous Multipurpose Household Survey
COICOP	Classification of Individual Consumption according to Purpose
DPK	Dual Purpose Kerosene
GDP	Gross Domestic Product
GWh	Gigawatt hour (million kWh)
HBS	Household Budget Survey
IPP	Independent Power Producers
ktoe	Thousand tonnes of oil equivalent
kWh	Kilowatt hour
LPG	Liquefied Petroleum Gas
m <sup>3</sup>	Cubic metres
max	Maximum
min	Minimum
mm	Millimetres
Mm <sup>3</sup>	Million cubic metres
mn	Million
MW	Megawatt (1,000 kW)
MSDG	Medium Scale Distributed Generation
Rod.	Island of Rodrigues
SSDG	Small Scale Distributed Generation
TJ	Terajoules
toe	Tonne of oil equivalent

\* \* \* \* \*

## Glossary

### Energy sector

Bagasse	A cellulosic residue left after sugar is extracted from sugar cane. It is mostly used as fuel within the sugar milling factories.
Bunkers	Refer to the amount of fuels delivered to ocean-going ships or aircraft of all flags engaged in international traffic. Deliveries to ships engaged in transport in inland and coastal waters, or to aircraft engaged in domestic flights, are not included.
Calorific values	The energy content of a fuel is equivalent to the heat released on complete combustion of the fuel.
Capacity	<p>The maximum power available from a power station at a point in time:</p> <ul style="list-style-type: none"> <li>- <i>Installed capacity</i>: The nameplate capacity of the generator set.</li> <li>- <i>Plant capacity</i>: The net capacity measured at the terminals of the stations, i.e, after deduction of the power absorbed by the auxiliary installations and the losses in the station transformers.</li> <li>- <i>Effective capacity</i>: It is the plant capacity less any amount of derated capacity from the install capacity.</li> </ul>
Charcoal	Comprises the solid residue obtained by the destructive distillation of wood in the absence of air.
Coal	Fossil fuel that has a high degree of coalification, with a gross calorific value over 24MJ/kg (5700 Kcal/kg) on an ash-free but moist basis.
Conversion factors	Factors used to convert quantities from original physical units into a common accounting unit for the purpose of aggregating diverse energy sources. The ‘tonne of oil equivalent’ (toe) has been adopted as the accounting unit.
Diesel Oil	Consists primarily of medium oil distilling between 180 <sup>0</sup> C and 380 <sup>0</sup> C.
Energy	Means the capacity for doing work or for producing heat. Producing heat is a common manifestation of ‘doing work’ as are producing light and motive force.
Energy Balance	Shows in a consistent accounting framework, the production, transformation and final consumption of all forms of energy for a given geographical area and a given period of time, with quantities expressed in terms of a single accounting unit for purposes of comparison and aggregation. The energy balance thus presents an overview of the energy produced and consumed in a system, matching input and output for a specific time period, usually a year
Energy intensity	Provides a measure of the efficiency with which energy is being used in production. A lower ratio usually reflects a more efficient use of energy.
Energy unit	Express fuel and energy in energy content. The International System of Units (SI unit) of energy is the Joule. Historically the ‘tonne of coal equivalent’ was used, but with ascendance of oil, this has been largely replaced by the ‘tonne of oil equivalent’ (toe), defined as 41.868 gigajoules.

Final Energy Consumption	<p>Energy consumption by final user- i.e. energy which is not being used for transformation into other forms of energy. The consumption by sector is presented as follows:</p> <p><i>Agriculture:</i> Energy used for irrigation and by other agricultural equipments;  <i>Commercial &amp; distributive trade:</i> Energy consumed by the business and commercial sector;  <i>Residential:</i> Consumption of energy by residential sector;  <i>Manufacturing:</i> Consumption in industry and construction; and  <i>Transport:</i> Includes consumption by land vehicles, ships and local aircrafts.</p>
Fossils fuels	Formed from the fossilized remains of dead plants and animals by exposure to heat and pressure in the Earth's crust over hundreds of millions of years.
Fuels	The term fuel is used to describe those energy sources, whether primary or secondary, that must be subjected to combustion or fission in order to release the energy stored up inside them.
Fuel wood	The term 'fuel wood' embraces all forms of woody material.
Fuel Oils	The heavy oils from the refining process and used as fuel in power stations. It is also commonly used by ships and industrial large-scale heating boilers installations as a fuel in furnaces or boilers.
Gasolene	Comprises a mixture of relatively volatile hydrocarbons with or without small quantities of activities, which have been blended to form a fuel suitable for use in spark-ignition internal combustion engines.
Gross Domestic Product (GDP)	It represents 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.
Gigawatt hour (GWh)	Unit of electrical energy, equal to 3.6 terajoules (TJ).
Hydro	Energy derived from the potential and kinetic energy content of water.
Imports	Refer to amount of fuels obtained from other countries.
Indigenous production	Comprises hydro electricity, fuel wood, bagasse and electricity from wind generation.
IPP (Independent Power Producers)	Undertakings which, in addition to their main activities, themselves produce (individually or in combination) electric energy intended, in whole or in part, to meet their own needs and for sale to the CEB.
Jet fuel Kerosene-type	Refers to medium oils meeting the required properties for use in jet engines and aircraft-turbine engines.
Kerosene (excl. Jet fuel type)	A medium oil distilling between 150 <sup>0</sup> C and 300 <sup>0</sup> C and which is used in sectors other than aircraft transport.
Kilowatt hour (kWh)	It is a precise measure of heat and work. 1kWh=3.6 x 10 <sup>6</sup> joules

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 as a source of energy to produce electricity or heat. By using LFG to produce energy, landfills can significantly reduce emissions of methane into the atmosphere while decrease dependency on fossil fuels to generate electricity.
Liquefied petroleum Gas (LPG)	Consists mainly of propane or butane, derived from oil. It is normally liquefied under pressure for transportation and storage. It is often used to power cooking stoves or heaters and to fuel some types of vehicle.
Losses (transmission / distribution losses)	Comprise losses in transmission and distribution of electric energy and losses in transformers, which are <i>not</i> considered as integral parts of the power stations.
Megawatt (MW)	A unit of electrical power, equal to $10^6$ watts, i.e 1000kW
Own use (Station use and loss)	Included are consumption by station auxiliaries and losses in transformers, which are considered as integral parts of the power stations.
Peak demand	Peak demand, peak load or on peak are terms used in energy demand management describing a period in which electrical power is expected to be provided for a sustained period at a significantly higher than the average supply level. Peak demand fluctuations may occur on daily, monthly seasonal and yearly cycles.
Petroleum products	The primary source of petroleum products is crude oil. Petroleum or crude oil is a naturally occurring, flammable liquid found in rock formations in the Earth. Diesel oil, fuel oils, Gasolene, Kerosene and Liquefied petroleum gas(LPG) are among the major products of oil refineries.
Photovoltaic	Photovoltaic systems convert solar energy from the sun directly into electricity. This is a renewable form of energy production.
Primary energy	Primary energy designates energy from sources that involve only extraction or capture, with or without separation from contiguous material, cleaning or grading, before the energy embodied in that source can be converted into heat or mechanical work. Primary energy is not derived from any other forms of energy. By convention, sources of energy that occur naturally such as coal, natural gas, fuelwood are termed primary energy.
Primary energy requirement	It is the sum of imported fuels and locally available fuels less re-exports to bunkers after adjusting for stock changes.
Production	Comprises gross production, i.e., the amount of electric energy produced, including that consumed by station auxiliaries and any losses in transformers that are considered integral parts of the power station.
Quintile	A statistical value of a data set that represents 20% of a given population. The first quintile represents the lowest fifth of the data (1-20%); the second quintile represents the second fifth (21% - 40%) etc.

Renewables or Renewable sources of energy	Renewables are natural resources that, after exploitation, can return to their previous stock levels by natural processes of growth or replenishment. Conditionally renewable resources are those whose exploitation eventually reaches a level beyond which regeneration will become impossible. Such is the case with the clear-cutting of tropical forests.
Secondary energy	Secondary energy designates energy from all sources of energy that results from transformation of primary sources. e.g charcoal from fuelwood.
Statistical differences	This is the difference between calculated and observed inland consumption.
Solar	Energy derived from solar radiation directly by photovoltaic effect, or indirectly by thermal transformation.
Stock change / Statistical error	This is the difference between calculated and observed inland consumption.
Terajoule	The terajoule (TJ) is equal to one trillion joules( $10^{12}$ J). (A joule is a genetic unit of energy in the International System of units. The work required to continuously produce one <a href="#">watt</a> of <a href="#">power</a> for one <a href="#">second</a> ).
Thermal plants	Comprises of conventional thermal plants of all types, whether or not equipped for the combined generation of heat and electric energy. They include steam-operated generating plants and plants using internal combustion engines or gas turbines.
Thermal sources of electricity	These include coal, oil, bagasse and landfill gas.
Tonne	The tonne (SI symbol: t) is a metric system unit of mass equal to 1,000 kilograms.
Transformation	Those fuels used directly in producing other fuels.
Watt (W)	The conventional unit to measure a rate of flow of energy. One watt amounts to 1 Joule per second.
Wind energy	Energy derived from the action of the wind.
<u>Water Sector</u>	
Evapotranspiration	The volume of water that enters the atmosphere by vaporization of water into a gas through evaporation from land and water surfaces and transpiration from plants.
Groundwater	The volume of water at a particular point in time which has collected in porous and permeable underground layers, known as aquifers, that can yield significant quantities of water to wells and springs.
Groundwater recharge	Process by which water is added from outside to fresh water found beneath the earth surface.
Surface runoff	The flow of surface water, from rainfall, which flows directly to streams, rivers, lakes and the sea.

Water abstraction	The volume of water that is removed or collected by economic units directly from the environment whether surface or ground water.
Water Balance	The water balance is based on long term records of annual average rainfall and indicates how freshwater resources are distributed.
Water production	The transformation process that raw water undergoes to render it potable, through the use of chemicals and/or other methods, while respecting quality norms and standards for safe drinking water, as set by World Health Organisation and/or local regulatory bodies.
Water Utilisation	Annual volume of surface and ground water used/reused.
1mm rainfall	1 litre of rainwater per square metre of surface area.

\* \* \* \* \*



## Energy conversion factors

The following energy conversion factors have been used to express the energy content of the different fuels in terms of a common accounting unit, namely the 'tonne of oil equivalent' (toe).

<b>Energy source</b>	<b>Tonne</b>	<b>toe</b>
Bagasse	1	0.16
Charcoal	1	0.74
Coal	1	0.62
Diesel Oil	1	1.01
Dual Purpose Kerosene (DPK)	1	1.04
Fuel oil	1	0.96
Fuelwood	1	0.38
Gasolene	1	1.08
Liquefied Petroleum Gas (LPG)	1	1.08
	<b>GWh</b>	<b>toe</b>
Electricity	1	86
Hydro/Wind/Landfill gas/Photovoltaic	1	86
	<b>Terajoules(TJ)</b>	<b>toe</b>
Energy unit	0.041868	1

\* \* \* \* \*

## ENERGY AND WATER STATISTICS, 2012 – An overview

### Introduction

This issue of the 'Digest of Energy and Water Statistics, 2012' covers the period 2003 to 2012 for energy statistics, and the years 2008 to 2012 for water statistics. The figures have been compiled in close collaboration with the Central Electricity Board (CEB), the Central Water Authority (CWA), the Water Resources Unit (WRU), the Meteorological Services, the petroleum companies and the Independent Power Producers (IPPs). All data refer to the Republic of Mauritius, unless otherwise specified.

In order to compare the energy content of the different fuels, a common accounting unit, namely tonne of oil equivalent (toe) is used. The conversion factors are given on page 15. Figures presented in the tables may not add up to totals, due to rounding.

The energy data have been compiled according to the recommendation of the United Nation Manual, Series F No. 29 on Energy Statistics.

## 2. Energy

### 2.1 The energy balance

The energy balance (Tables 1.2 – 1.5) shows the supply and final uses (demand) of energy and the different types of fuel.

Between 2011 and 2012, the energy supply, presented as the total primary requirement, increased from 1,426,853 toe to 1,458,844 toe (+2.2%) and the demand, presented as the total final consumption, increased from 862,323 toe to 885,546 toe (+2.7%). The difference between the supply and the demand is mainly due to fuel transformed into electricity.

### 2.2 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 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.

#### 2.2.1 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%), gasoline (16.7%) and LPG (8.9%). Supply of coal increased by 5.0% from 398 ktoe in 2011 to 418 ktoe in 2012 (Table 2.1).

### **2.2.2 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.

### **2.2.3 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. As shown in Table 1.1, ‘Energy intensity’ which stood at 0.76 in 2011 fell to 0.75 in 2012. A lower ratio usually reflects a more efficient use of energy.

### **2.2.4 Imports of energy sources**

In 2012, some 1,595 ktoe of petroleum products and coal were imported compared to 1,577 ktoe in 2011, representing an increase of 1.1%. Imports of petroleum products went down from 1,168 ktoe to 1,143 ktoe (-2.1%), while that of coal increased from 409 ktoe to 452 ktoe (+10.5%) (Table 2.3).

The import bill of petroleum products and coal increased by 7.9% from Rs 30,974 million in 2011 to Rs 33,421 million in 2012 and accounted for around 21% of total imports (Table 2.5). During the same period, the average imports price of coal fell by 12.3% and while that of fuel oil went up by 11.2%, gasoline by 9.1%, diesel oil by 8.5%, kerosene by 21.2%, jet fuel by 13.1% and LPG by 11.0% (Table 2.7).

### **2.2.5 Local production (renewable)**

Total energy production from local renewable sources: hydro, wind, landfill gas, photovoltaic, bagasse and fuelwood went down by 3.8% from 231.1 ktoe in 2011 to 222.3 ktoe in 2012. It was largely due to a decline of 5.3% in the production of bagasse from 218.1 ktoe in 2011 to 206.5 ktoe in 2012.

### **2.2.6 Re-exports and bunkering**

Of the 1,595 ktoe of imported energy sources in 2012, around 375 ktoe (23.5%) were supplied to foreign marine vessels and aircraft, representing a drop of 6.7% compared to 402 ktoe in 2011. Re-exports consisted of 114.7 ktoe of aviation fuel (30.6%), 156.8 ktoe of fuel oil (41.8%) and 103.7 ktoe of diesel oil (27.6%) (Table 2.6).

## 2.3 Electricity

### 2.3.1 Electricity Generation

The peak power demand in 2012 reached 430.1 MW in the Island of Mauritius as compared with 412.5 MW in 2011, up by 4.3% (Table 3.1).

The total electricity produced was 2,796 GWh (240 ktoe) in 2012. Around 79% (2,218 GWh) of the electricity were generated from non-renewable sources, mainly coal and fuel oil while the remaining 21% (578 GWh) were from renewable sources, mostly bagasse (Table 3.5).

Between 2011 and 2012,

- Total electricity generated increased by 2.4% from 2,730 GWh to 2,796 GWh;
- Electricity generated from coal increased by 3.8% from 1,108 GWh to 1,150 GWh and that from fuel and diesel oil together decreased by 0.2% from 1,059 GWh to 1,057 GWh; and
- 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.

Table 3.6 shows that the Independent Power Producers (IPPs) produced around 59% of the total electricity generated while the Central Electricity Board (CEB) the remaining 41%. Thermal energy represented around 97% of the overall generation.

### 2.3.2 Fuel input for electricity generation

Table 3.7 shows the different types of fuel used for electricity generation and it indicates that:

- Between 2011 and 2012, fuel input increased by 1.5% 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%) and bagasse (22%);
- 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 as compared to 179.1 ktoe in 2011, down by 3.7%.

### **2.3.3 Electricity sales and consumption**

Electricity sales increased by 3.0% from 2,228 GWh (192 ktoe) in 2011 to 2,294 GWh (197 ktoe) in 2012. During the same period, the average sales price of electricity remained at around Rs 5.70 per kWh. The share of commercial, domestic and industrial in total electricity sales (GWh) in 2012 was 36%, 33% and 30% respectively (Table 4.7 & Fig. 4.5).

The per capita consumption of electricity sold went up by 2.5% from 1,733 kWh in 2011 to reach 1,777 kWh in 2012 (Table 1.1).

## **2.4 Final energy consumption**

Final energy consumption is the total amount of energy required by end users as a final product. End-users are mainly categorized into five sectors, namely manufacturing, transport, commercial and distributive trade, households and agriculture. Final energy consumption increased by 2.8% from 862 ktoe in 2011 to 886 ktoe in 2012 (Table 4.1).

The two main energy-consuming sectors were “Transport” and “Manufacturing”, accounting for 51.8% and 24.3% of the energy consumed respectively. They were followed by the household sector (13.6%), commercial and distributive trade (9.4%) and agriculture (0.5%) (Table 4.2).

Details of the different types and amount of fuel consumed by each sector are given in Tables 4.3 - 4.5

### **2.4.1 Transport**

In 2012, energy consumption by “Transport” Sector was 458.5 ktoe, up by 5.3% compared to 435.3 ktoe in 2011. Consumption of fuel for land transport increased from 293.1 ktoe to 304.2 ktoe (+3.8%). The principal energy source used in land transport was diesel.

Consumption of aviation fuel increased from 134.3 ktoe in 2011 to 146.2 ktoe in 2012 (+8.9%) and fuel consumed by sea transport remained at around 8.0 ktoe.

### **2.4.2 Manufacturing**

Some 215.4 ktoe (24.3%) of the total final energy consumption was used by the manufacturing sector in 2012 against 221.7 ktoe in 2011, down by 2.8%. The main energy sources consumed by the sector were as follows: electricity, 79.9 ktoe (37.1%); diesel oil, 41.7 ktoe (19.4%); fuel oil, 37.4 ktoe (17.4%); bagasse, 34.1 ktoe (15.8%).

### **2.4.3 Commercial and Distributive Trade**

Total energy consumption by “Commercial and Distributive Trade” sector, which represent around 9% of total energy consumed increased by 3.7%, from 80.7 ktoe in 2011 to 83.7 ktoe in 2012.

Electricity was the main source of energy in the commercial and distributive trade sector and its consumption increased from 68.1 ktoe to 70.4 ktoe (+3.4%). LPG consumption went up by 5.7% from 12.2 ktoe to 12.9 ktoe.

#### **2.4.4 Household**

Energy consumed by households (excluding transport) represented around 14% (120 ktoe) of the total energy consumption. The two main sources of energy for households were electricity and LPG, representing 54% and 41% respectively of the total energy consumed by households.

Between 2011 and 2012, household consumption of electricity and LPG rose by 3.7% and 1.7% respectively.

#### **2.4.5 Agriculture**

Energy consumption in “Agriculture” increased from 4.3 ktoe in 2011 to 4.5 ktoe in 2012 (+4.6%). Electricity and diesel were the only two sources of energy used in this sector. In 2012, about 2.1 ktoe of electricity were used mainly for irrigation compared to 1.9 ktoe in 2011 while consumption of diesel oil, which was used for mechanical operations in fields remained at 2.4 ktoe.

### **3 Water**

#### **3.1 Water balance**

In 2012, the Island of Mauritius received 3,001 million cubic metres (Mm<sup>3</sup>) of precipitation (rainfall), compared to 3,627 Mm<sup>3</sup> 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 5.1).

#### **3.2 Water utilisation**

Total water utilisation was estimated at 800 Mm<sup>3</sup> in 2012. The agricultural sector accounted for 46% (365 Mm<sup>3</sup>) of the water utilised. Hydropower constituted 27% (218 Mm<sup>3</sup>) and domestic, industrial and tourism sector represented the remaining 27% (217 Mm<sup>3</sup>) (Table 5.3).

Compared to 2011, water utilisation went up by 6.4 %, from 752 to 800 Mm<sup>3</sup> with increases in each sector as follows: hydropower +20.4%, agricultural +2.5% and domestic, industrial and tourism +0.9%

Around 85% of the total water utilisation was met by surface water and the remaining 15 % by ground water.

#### **3.3 Rainfall**

During the year 2012, the mean amount of rainfall recorded around the island of Mauritius was 1,609 millimetres (mm), representing a decrease of 17.3% compared to the 1,945 mm in 2011. The wettest month in 2012 was March with a mean of 329 mm of rainfall while October was the driest with 47 mm of rainfall (Table 5.6).

### 3.4 Water storage level

In 2012, the minimum and maximum percentage of water storage level of the different reservoirs was as follows:

<b>Reservoir</b>	<b>% Minimum [month(s)]</b>	<b>% Maximum [month(s)]</b>
Mare aux Vacoas	23 (February)	90 (May and June)
La Nicoliere	39 (November and December)	100 (March to August)
Piton du Milieu	26 (December)	100 (February to May)
La Ferme	21 (December)	100 (May)
Mare Longue	36 (December)	89 (May)
Midlands Dam	37 (December)	100 (March to September)

The mean percentage water level for all reservoirs (excluding Midlands Dam) varied from 37% to 91% in 2012. It is to be noted that the mean water level is computed as the average level during a month while the normal level is the long term mean averaged over the period 1990 to 1999 (Table 5.8).

### 3.5 Water production

The total volume of potable water treated by the different treatment plants increased by 5.9% from 203 million cubic metres (Mm<sup>3</sup>) in 2011 to 215 Mm<sup>3</sup> recorded in 2012. Some 49% of the average water production was from surface water and 51% from borehole in 2012 (Table 5.9).

### 3.6 Water sales and revenue collectible

Total volume of water sold decreased from 113.4 Mm<sup>3</sup> in 2011 to 111.3 Mm<sup>3</sup> in 2012 (-1.8%). In 2012, potable water made up 85.5% of the volume sold and the remaining 14.5% consisted of non-treated water. Water for domestic consumption was 72.9 Mm<sup>3</sup>, accounting for nearly 66% of the total volume of water sold.

The amount of revenue collectible from the sales of water for the year 2012 was Rs 1,322.6 million, that is an increase of 34.1%, over the amount of Rs 986.1 million collected in 2011. It is to be noted that there was an increase in tariff as from January 2012 (Table 5.11).

\* \* \* \* \*

# Section I

## Main indicators & Energy balance



**Table 1.1 - Main energy indicators, 2003 - 2012**

Indicators	Unit	2003	2004	2005	2006	2007	2008	2009	2010 <sup>1</sup>	2011 <sup>1</sup>	2012 <sup>2</sup>
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
<i>Of which local (renewables)</i>	%	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) <sup>1</sup>		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
<i>Of which renewables</i>	%	10.9	10.7	9.9	9.3	8.4	5.4	5.4	5.8	5.4	4.6
Total electricity generated	GWh	2,082	2,165	2,272	2,350	2,465	2,557	2,577	2,689	2,730	2,796
<i>Of which renewables</i>	%	27.2	27.4	25.0	22.2	22.4	23.3	23.6	21.5	20.2	20.7
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
<b>Efficiency Indicators</b>											
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	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

<sup>1</sup> Revised

<sup>2</sup> Provisional

Table 1.2 - Energy balance, 2012 (tonne of oil equivalent)

		Tonne of oil equivalent (toe)																
Flow	Source	Fossil fuels							Renewables							Electricity	Total	
		Coal	Petroleum products						Fuelwood	Charcoal	Hydro	Wind <sup>1</sup>	Landfill Gas <sup>2</sup>	Photo-voltaic <sup>3</sup>	Bagasse			Total Renewables
			Gasolene	Diesel	Aviation Fuel	Kerosene	Fuel Oil	LPG										
Local production	-	-	-	-	-	-	-	-	7,511	-	6,370	307	1,530	78	206,545	222,341	-	222,341
Imports	452,183	138,424	316,907	221,523	7,325	385,157	73,334	1,142,669	-	-	-	-	-	-	-	-	-	1,594,852
Re-exports and bunkering	-	-	(103,697)	(114,707)	-	(156,792)	-	(375,196)	-	-	-	-	-	-	-	-	-	(375,196)
Stock change / Statistical error	(33,822)	(1,850)	188	39,389	(3,498)	17,068	(629)	50,669	-	-	-	-	-	-	-	-	-	16,847
<b>Total Primary Energy Requirement</b>	<b>418,361</b>	<b>136,574</b>	<b>213,398</b>	<b>146,205</b>	<b>3,827</b>	<b>245,433</b>	<b>72,706</b>	<b>818,142</b>	<b>7,511</b>	<b>-</b>	<b>6,370</b>	<b>307</b>	<b>1,530</b>	<b>78</b>	<b>206,545</b>	<b>222,341</b>	<b>-</b>	<b>1,458,844</b>
Public electricity generation plant	-	-	(1,876)	-	(3,574)	(204,511)	-	(209,961)	-	-	(6,370)	(307)	-	-	-	(6,677)	98,528	(118,110)
Autoproducer plants	(402,477)	-	-	-	-	-	-	-	-	-	-	-	(1,530)	(78)	(172,446)	(174,054)	141,966	(434,565)
Other transformation	-	-	-	-	-	-	-	-	(894)	435	-	-	-	-	-	(459)	-	(459)
Own use	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(3,715)	(3,715)
Losses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(16,449)	(16,449)
<b>Total Final Consumption</b>	<b>15,884</b>	<b>136,574</b>	<b>211,522</b>	<b>146,205</b>	<b>253</b>	<b>40,922</b>	<b>72,706</b>	<b>608,181</b>	<b>6,617</b>	<b>435</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>34,100</b>	<b>41,152</b>	<b>220,330</b>	<b>885,546</b>
Manufacturing	15,884	-	41,723	-	-	37,395	5,900	85,018	536	-	-	-	-	-	34,100	34,635	79,887	215,424
Transport <sup>4</sup>	-	136,574	167,445	146,205	-	3,527	4,712	458,463	-	-	-	-	-	-	-	-	-	458,463
Commercial and distributive trade	-	-	-	-	-	-	12,871	12,871	-	351	-	-	-	-	-	351	70,445	83,667
Household	-	-	-	-	253	-	48,955	49,208	6,081	84	-	-	-	-	-	6,166	64,745	120,118
Agriculture	-	-	2,354	-	-	-	-	2,354	-	-	-	-	-	-	-	-	2,146	4,501
Other	-	-	-	-	-	-	267	267	-	-	-	-	-	-	-	-	3,107	3,373

<sup>1</sup> includes generation from SSDG

<sup>2</sup> generation started in August 2011

<sup>3</sup> generated by SSDG/MSDG

<sup>4</sup> includes fuel used for transport by all sectors

Note: figures in brackets represent negative quantities

**Table 1.3 - Energy balance, 2012 (Terajoules)**

		Terajoules(TJ)																
Flow	Source	Fossil fuels							Renewables							Electricity	Total	
		Coal	Petroleum products						Fuelwood	Charcoal	Hydro	Wind <sup>1</sup>	Landfill Gas <sup>2</sup>	Photo voltaic <sup>3</sup>	Bagasse			Total Renewables
			Gasolene	Diesel	Aviation Fuel	Kerosene	Fuel Oil	LPG										
Local production	-	-	-	-	-	-	-	-	314	-	267	13	64	3	8,648	9,309	-	9,309
Imports	18,932	5,796	13,268	9,275	307	16,126	3,070	47,841	-	-	-	-	-	-	-	-	-	66,773
Re-exports and bunkering	-	-	(4,342)	(4,803)	-	(6,565)	-	(15,709)	-	-	-	-	-	-	-	-	-	(15,709)
Stock change / Statistical error	(1,416)	(77)	8	1,649	(146)	715	(26)	2,121	-	-	-	-	-	-	-	-	-	705
<b>Total Primary Energy Requirement</b>	<b>17,516</b>	<b>5,718</b>	<b>8,935</b>	<b>6,121</b>	<b>160</b>	<b>10,276</b>	<b>3,044</b>	<b>34,254</b>	<b>314</b>	<b>-</b>	<b>267</b>	<b>13</b>	<b>64</b>	<b>3</b>	<b>8,648</b>	<b>9,309</b>	<b>-</b>	<b>61,079</b>
Public electricity generation plant	-	-	(79)	-	(150)	(8,562)	-	(8,791)	-	-	(267)	(13)	-	-	-	(280)	4,125	(4,945)
Autoproducer plants	(16,851)	-	-	-	-	-	-	-	-	-	-	-	(64)	(3)	(7,220)	(7,287)	5,944	(18,194)
Other transformation	-	-	-	-	-	-	-	-	(37)	18	-	-	-	-	-	(19)	-	(19)
Own use	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(156)	(156)
Losses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(689)	(689)
<b>Total Final Consumption</b>	<b>665</b>	<b>5,718</b>	<b>8,856</b>	<b>6,121</b>	<b>11</b>	<b>1,713</b>	<b>3,044</b>	<b>25,463</b>	<b>277</b>	<b>18</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,428</b>	<b>1,723</b>	<b>9,225</b>	<b>37,076</b>
Manufacturing	665	-	1,747	-	-	1,566	247	3,560	22	-	-	-	-	-	1,428	1,450	3,345	9,019
Transport <sup>4</sup>	-	5,718	7,011	6,121	-	148	197	19,195	-	-	-	-	-	-	-	-	-	19,195
Commercial and distributive trade sector	-	-	-	-	-	-	539	539	-	15	-	-	-	-	-	15	2,949	3,503
Household	-	-	-	-	11	-	2,050	2,060	255	4	-	-	-	-	-	258	2,711	5,029
Agriculture	-	-	99	-	-	-	-	99	-	-	-	-	-	-	-	-	90	188
Other	-	-	-	-	-	-	11	11	-	-	-	-	-	-	-	-	130	141

<sup>1</sup> includes generation from SSDG

<sup>2</sup> generation started in August 2011

<sup>3</sup> generated by SSDG/MSDG

<sup>4</sup> includes fuel used for transport by all sectors

Note: figures in brackets represent negative quantities

Table 1.4 - Energy balance<sup>1/</sup>, 2011 (tonne of oil equivalent)

Source  Flow		Fossil fuels							Renewables						Electricity	Total	
		Coal	Petroleum products						Fuelwood	Charcoal	Hydro	Wind	Landfill Gas <sup>2/</sup>	Bagasse			Total Renewables
			Gasolene	Diesel	Aviation Fuel	Kerosene	Fuel Oil	LPG									
Local production	-	-	-	-	-	-	-	-	7,638	-	4,858	243	270	218,132	231,142	-	231,142
Imports	409,297	126,014	312,991	235,448	4,464	417,401	71,636	1,167,954	-	-	-	-	-	-	-	-	1,577,251
Re-exports and bunkering	-	-	(101,228)	(123,458)	-	(177,645)	-	(402,332)	-	-	-	-	-	-	-	-	(402,332)
Stock change / Statistical error	(11,569)	4,000	(1,691)	22,348	(123)	8,315	(488)	32,361	-	-	-	-	-	-	-	-	20,792
<b>Total Primary Energy Requirement</b>	<b>397,728</b>	<b>130,015</b>	<b>210,071</b>	<b>134,337</b>	<b>4,341</b>	<b>248,071</b>	<b>71,148</b>	<b>797,984</b>	<b>7,638</b>	<b>-</b>	<b>4,858</b>	<b>243</b>	<b>270</b>	<b>218,132</b>	<b>231,142</b>	<b>-</b>	<b>1,426,853</b>
Public electricity generation plant	-	-	(1,538)	-	(3,805)	(205,936)	-	(211,279)	-	-	(4,858)	(243)	-	-	(5,101)	97,143	(119,236)
Autoproducer plants	(382,724)	-	-	-	-	-	-	-	-	-	-	-	(270)	(179,046)	(179,317)	137,675	(424,365)
Other transformation	-	-	-	-	-	-	-	-	(889)	433	-	-	-	-	(456)	-	(456)
Own use	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(3,785)	(3,785)
Losses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(16,687)	(16,687)
<b>Total Final Consumption</b>	<b>15,004</b>	<b>130,015</b>	<b>208,534</b>	<b>134,337</b>	<b>536</b>	<b>42,135</b>	<b>71,148</b>	<b>586,704</b>	<b>6,749</b>	<b>433</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>39,086</b>	<b>46,268</b>	<b>214,346</b>	<b>862,323</b>
Manufacturing sector	15,004	-	43,525	-	-	38,703	5,657	87,885	542	-	-	-	-	39,086	39,628	79,193	221,710
Transport sector <sup>3/</sup>	-	130,015	162,641	134,337	-	3,432	4,862	435,287	-	-	-	-	-	-	-	-	435,287
Commercial and distributive trade sector	-	-	-	-	-	-	12,161	12,161	-	347	-	-	-	-	347	68,148	80,656
Household	-	-	-	-	536	-	48,211	48,747	6,208	86	-	-	-	-	6,294	62,361	117,402
Agriculture	-	-	2,367	-	-	-	-	2,367	-	-	-	-	-	-	-	1,935	4,302
Other	-	-	-	-	-	-	257	257	-	-	-	-	-	-	-	2,710	2,967

1/ revised

2/ generated as from August 2011

3/ includes fuel used for all sectors

Note: figures in brackets represent negative quantities

Table 1.5 - Energy balance<sup>1/</sup>, 2011 (Terajoules )

		Terajoules(TJ)															
Source  Flow	Fossil fuels								Renewables							Electricity	Total
	Coal	Petroleum products							Fuelwood	Charcoal	Hydro	Wind	Landfill Gas <sup>2/</sup>	Bagasse	Total Renewables		
		Gasolene	Diesel	Aviation Fuel	Kerosene	Fuel Oil	LPG	Total Petroleum products									
Local production	-	-	-	-	-	-	-	-	320	-	203	10	11	9,133	9,677	-	9,677
Imports	17,136	5,276	13,104	9,858	187	17,476	2,999	48,900	-	-	-	-	-	-	-	-	66,036
Re-exports and bunkering	-	-	(4,238)	(5,169)	-	(7,438)	-	(16,845)	-	-	-	-	-	-	-	-	(16,845)
Stock change / Statistical error	(484)	167	(71)	936	(5)	348	(20)	1,355	-	-	-	-	-	-	-	-	871
<b>Total Primary Energy Requirement</b>	<b>16,652</b>	<b>5,443</b>	<b>8,795</b>	<b>5,624</b>	<b>182</b>	<b>10,386</b>	<b>2,979</b>	<b>33,410</b>	<b>320</b>	<b>-</b>	<b>203</b>	<b>10</b>	<b>11</b>	<b>9,133</b>	<b>9,677</b>	<b>-</b>	<b>59,739</b>
Public electricity generation plant	-	-	(64)	-	(159)	(8,622)	-	(8,846)	-	-	(203)	(10)	-	-	(214)	4,067	(4,992)
Autoproducer plants	(16,024)	-	-	-	-	-	-	-	-	-	-	-	(11)	(7,496)	(7,508)	5,764	(17,767)
Other transformation	-	-	-	-	-	-	-	-	(37)	18	-	-	-	-	(19)	-	(19)
Own use	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(158)	(158)
Losses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(699)	(699)
<b>Total Final Consumption</b>	<b>628</b>	<b>5,443</b>	<b>8,731</b>	<b>5,624</b>	<b>22</b>	<b>1,764</b>	<b>2,979</b>	<b>24,564</b>	<b>283</b>	<b>18</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,636</b>	<b>1,937</b>	<b>8,974</b>	<b>36,104</b>
Manufacturing sector	628	-	1,822	-	-	1,620	237	3,680	23	-	-	-	-	1,636	1,659	3,316	9,283
Transport sector <sup>3/</sup>	-	5,443	6,809	5,624	-	144	204	18,225	-	-	-	-	-	-	-	-	18,225
Commercial and distributive trade sector	-	-	-	-	-	-	509	509	-	15	-	-	-	-	15	2,853	3,377
Household	-	-	-	-	22	-	2,019	2,041	260	4	-	-	-	-	263	2,611	4,915
Agriculture	-	-	99	-	-	-	-	99	-	-	-	-	-	-	-	81	180
Other	-	-	-	-	-	-	11	11	-	-	-	-	-	-	-	113	124

1/ revised

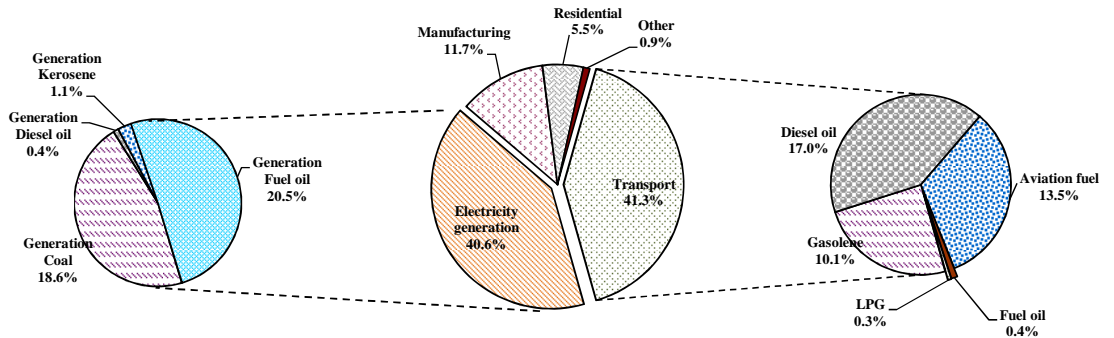
2/ generated as from August 2011

3/ includes fuel used for all sectors

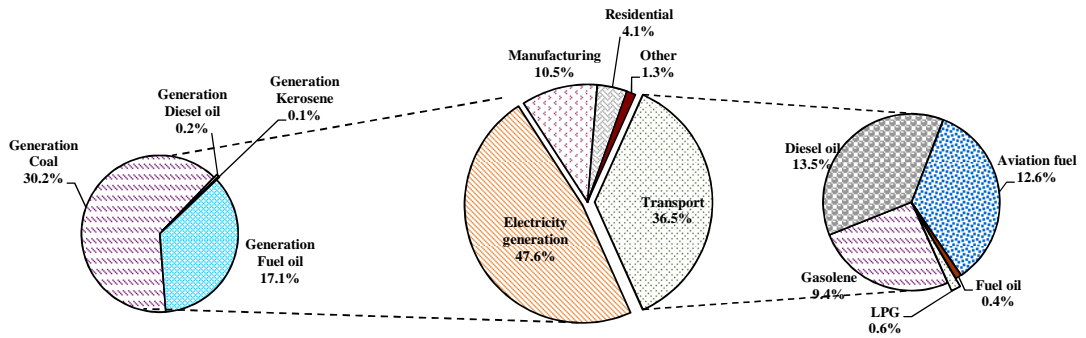
Note: figures in brackets represent negative quantities

**Fig 1.1 - Percentage share of consumption ('Transformation' + 'Final energy consumption') of petroleum products and coal by sector - 2003, 2007 and 2012**

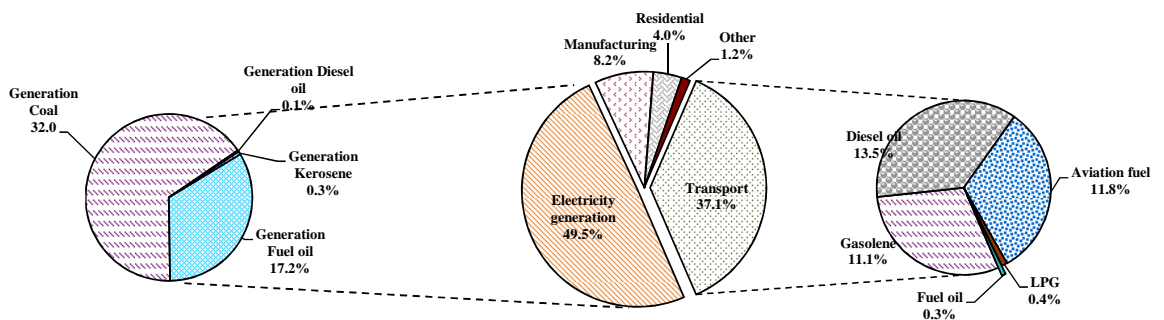
**2003**



**2007**



**2012**



## Section II

Primary energy requirement

Table 2.1 - Primary energy requirement, 2003 - 2012

Energy source	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
	<b>Physical unit (Thousand tonne or GWh)</b>									
<b>Imported (Fossil fuels)</b>										
Coal	316.2	289.3	363.8	484.5	572.6	651.4	595.7	667.8	641.5	674.8
<b>Petroleum products</b>										
Gasolene	89.2	90.4	92.7	89.1	98.9	101.4	111.7	118.2	120.4	126.5
Diesel Oil	208.8	213.8	212.1	228.3	205.3	203.4	204.6	211.5	208.0	211.3
Dual Purpose Kerosene	141.8	162.3	165.1	146.8	140.4	135.5	112.6	126.3	133.3	144.3
<i>Kerosene</i>	18.1	25.3	27.5	5.8	2.3	3.9	6.4	7.7	4.2	3.7
<i>Aviation Fuel</i>	123.6	137.0	137.6	141.1	138.1	131.6	106.2	118.6	129.2	140.6
Fuel Oil	260.1	269.9	263.8	284.6	262.4	222.2	237.4	241.9	258.4	255.7
LPG	51.7	54.9	60.9	63.9	63.8	62.9	63.8	65.0	65.9	67.3
<b>Local (Renewables)</b>										
Hydro GWh	117.8	122.3	114.9	76.6	83.9	108.0	122.4	100.7	56.5	74.1
Wind <sup>1</sup> GWh	-	0.4	0.4	0.4	0.4	0.4	1.5	2.5	2.8	3.6
Landfill Gas <sup>2</sup> GWh	-	-	-	-	-	-	-	-	3.1	17.8
Photovoltaic <sup>3</sup> GWh	-	-	-	-	-	-	-	-	-	0.9
Bagasse <sup>4</sup>	1,557.0	1,611.2	1,531.9	1,500.2	1,440.9	1,540.2	1,362.3	1,406.4	1,363.3	1,290.9
Fuelwood <sup>4</sup>	19.1	19.3	20.0	21.0	21.1	20.3	20.3	20.3	20.1	19.8
	<b>Energy unit (ktoe)</b>									
<b>Imported (Fossil fuels)</b>	<b>956.3</b>	<b>980.1</b>	<b>1,030.5</b>	<b>1,122.1</b>	<b>1,136.0</b>	<b>1,140.9</b>	<b>1,110.6</b>	<b>1,189.0</b>	<b>1,195.7</b>	<b>1,236.5</b>
Coal	196.0	179.4	225.6	300.4	355.0	403.9	369.3	414.1	397.7	418.4
<b>Petroleum products</b>	<b>760.2</b>	<b>800.7</b>	<b>805.0</b>	<b>821.8</b>	<b>781.0</b>	<b>737.0</b>	<b>741.2</b>	<b>775.0</b>	<b>798.0</b>	<b>818.1</b>
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
<i>Kerosene</i>	18.9	26.3	28.6	6.0	2.4	4.0	6.7	8.0	4.3	3.8
<i>Aviation Fuel</i>	128.6	142.5	143.1	146.7	143.6	136.9	110.5	123.3	134.3	146.2
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
<b>Local (Renewables)</b>	<b>266.5</b>	<b>275.7</b>	<b>262.6</b>	<b>254.6</b>	<b>245.8</b>	<b>263.5</b>	<b>236.3</b>	<b>241.6</b>	<b>231.1</b>	<b>222.3</b>
Hydro	10.1	10.5	9.9	6.6	7.2	9.3	10.5	8.7	4.9	6.4
Wind	-	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.3
Landfill Gas	-	-	-	-	-	-	-	-	0.3	1.5
Photovoltaic	-	-	-	-	-	-	-	-	-	0.1
Bagasse	249.1	257.8	245.1	240.0	230.5	246.4	218.0	225.0	218.1	206.5
Fuelwood	7.3	7.3	7.6	8.0	8.0	7.7	7.7	7.7	7.6	7.5
<b>Total</b>	<b>1,222.8</b>	<b>1,255.8</b>	<b>1,293.2</b>	<b>1,376.8</b>	<b>1,381.8</b>	<b>1,404.4</b>	<b>1,346.9</b>	<b>1,430.7</b>	<b>1,426.8</b>	<b>1,458.8</b>
	<b>Percentage (%)</b>									
<b>Imported (Fossil fuels)</b>	<b>78.2</b>	<b>78.0</b>	<b>79.7</b>	<b>81.5</b>	<b>82.2</b>	<b>81.2</b>	<b>82.5</b>	<b>83.1</b>	<b>83.8</b>	<b>84.8</b>
Coal	16.0	14.3	17.4	21.8	25.7	28.8	27.4	28.9	27.9	28.7
<b>Petroleum products</b>	<b>62.2</b>	<b>63.8</b>	<b>62.2</b>	<b>59.7</b>	<b>56.5</b>	<b>52.5</b>	<b>55.0</b>	<b>54.2</b>	<b>55.9</b>	<b>56.1</b>
Gasolene	7.9	7.8	7.7	7.0	7.7	7.8	9.0	8.9	9.1	9.4
Diesel Oil	17.3	17.2	16.6	16.7	15.0	14.6	15.3	14.9	14.7	14.6
Dual Purpose Kerosene	12.1	13.4	13.3	11.1	10.6	10.0	8.7	9.2	9.7	10.3
<i>Kerosene</i>	1.5	2.1	2.2	0.4	0.2	0.3	0.5	0.6	0.3	0.3
<i>Aviation Fuel</i>	10.5	11.3	11.1	10.7	10.4	9.7	8.2	8.6	9.4	10.0
Fuel Oil	20.4	20.6	19.6	19.8	18.2	15.2	16.9	16.2	17.4	16.8
LPG	4.6	4.7	5.1	5.0	5.0	4.8	5.1	4.9	5.0	5.0
<b>Local (Renewables)</b>	<b>21.8</b>	<b>22.0</b>	<b>20.3</b>	<b>18.5</b>	<b>17.8</b>	<b>18.8</b>	<b>17.5</b>	<b>16.9</b>	<b>16.2</b>	<b>15.2</b>
Hydro	0.8	0.8	0.8	0.5	0.5	0.7	0.8	0.6	0.3	0.4
Wind	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Landfill Gas	-	-	-	-	-	-	-	-	0.0	0.1
Photovoltaic	-	-	-	-	-	-	-	-	-	0.0
Bagasse	20.4	20.5	19.0	17.4	16.7	17.5	16.2	15.7	15.3	14.2
Fuelwood	0.6	0.6	0.6	0.6	0.6	0.5	0.6	0.5	0.5	0.5
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

<sup>1</sup> includes generation from SSDG for 2012<sup>2</sup> generation started in August 2011<sup>3</sup> generated by SSDG/MSDG<sup>4</sup> Estimates



Fig 2.1 - Percentage share of energy sources within the Primary Energy Requirement -2003, 2007 and 2012

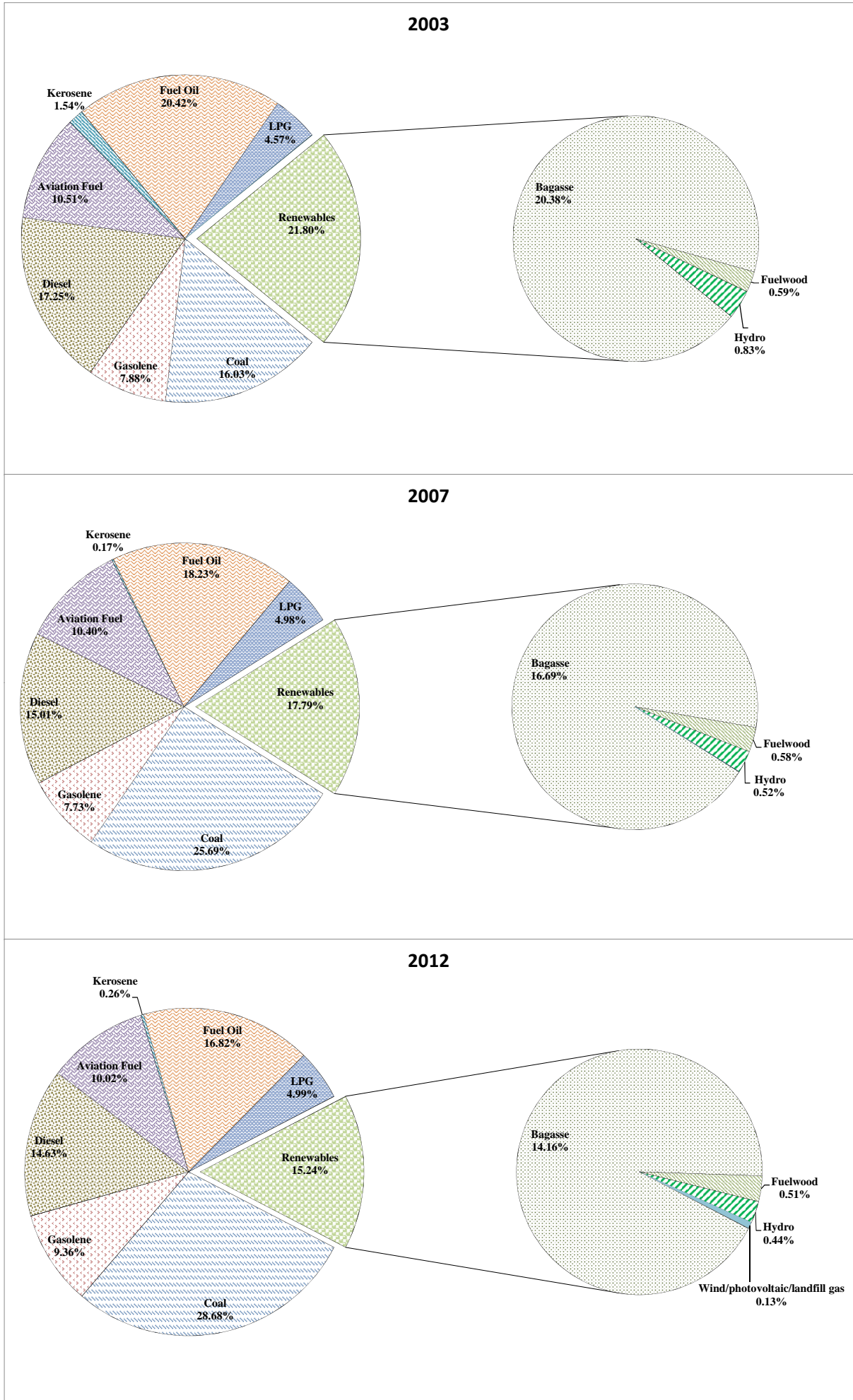


Fig 2.2 - Primary energy requirement by main energy sources, 2003 - 2012

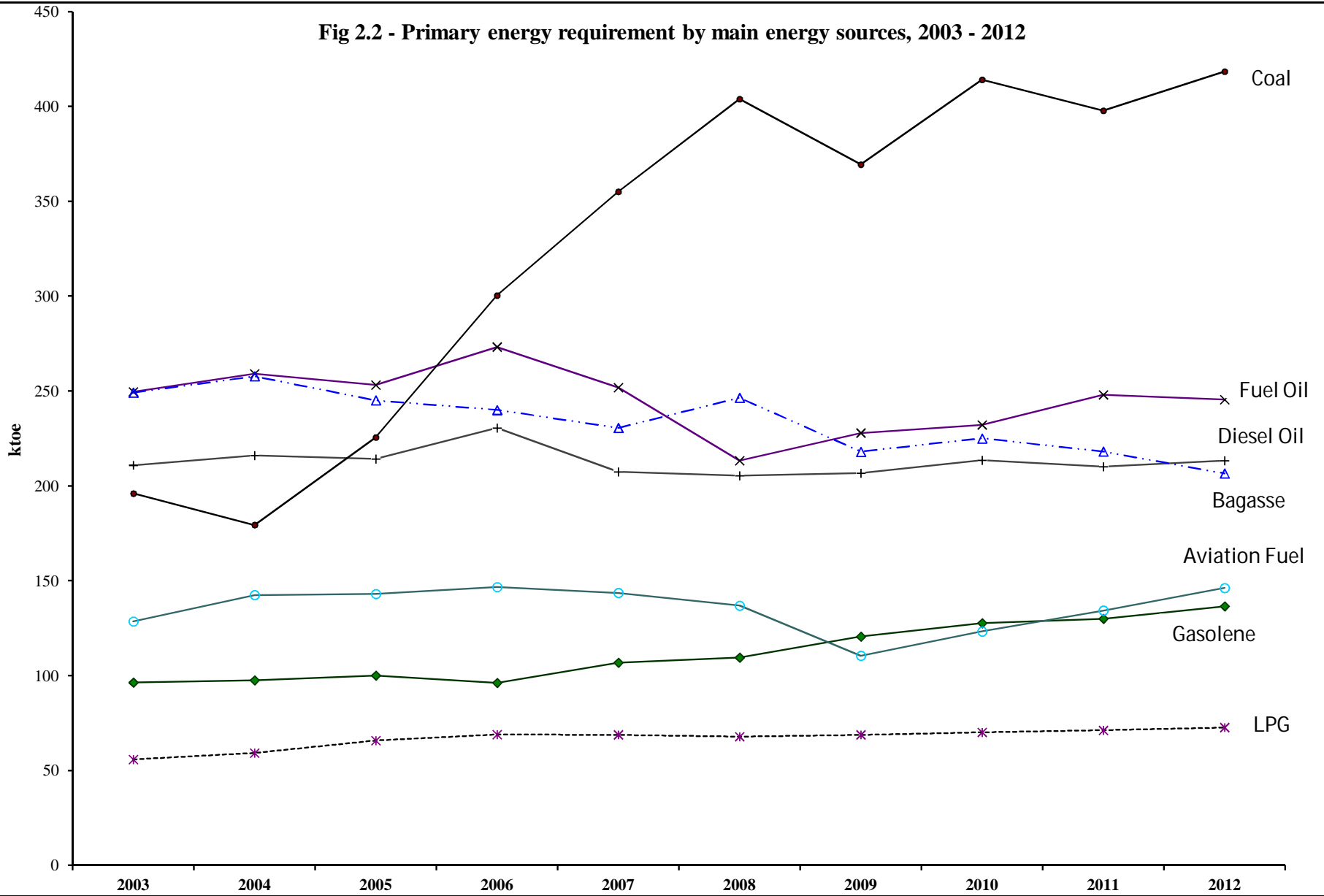


Table 2.2 - Imports of energy sources (Physical unit), 2003 - 2012

Energy source	Thousand tonne									
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
<b>Fossil fuels</b>										
Coal	289.4	331.8	379.3	490.3	647.8	606.5	559.9	660.6	660.2	729.3
Gasolene	86.8	87.7	86.8	88.9	96.4	108.5	104.4	120.9	116.7	128.2
Diesel oil	309.2	319.7	329.9	327.5	307.5	328.5	288.0	310.4	309.9	313.8
Dual Purpose Kerosene	227.7	256.8	248.0	242.0	266.4	268.1	208.8	241.6	230.7	220.1
<i>Aviation Fuel</i>	207.5	227.0	220.1	236.0	262.6	262.2	204.7	234.9	226.4	213.0
<i>Kerosene</i>	20.2	29.8	27.9	6.0	3.7	5.9	4.1	6.7	4.3	7.0
Fuel oil	288.0	288.8	337.5	304.4	333.9	291.0	343.7	341.5	434.8	401.2
LPG	48.8	53.8	62.7	58.8	62.8	63.1	62.6	62.7	66.3	67.9

Table 2.3 - Imports of energy sources (Energy unit), 2003 - 2012

Energy source	ktoe									
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
<b>Fossil fuels</b>										
Coal	179.4	205.7	235.1	304.0	401.6	376.0	347.1	409.6	409.3	452.2
Petroleum products	<b>972.1</b>	<b>1,020.1</b>	<b>1,076.5</b>	<b>1,034.1</b>	<b>1,080.0</b>	<b>1,075.3</b>	<b>1,018.4</b>	<b>1,090.9</b>	<b>1,168.0</b>	<b>1,142.7</b>
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	271.2	251.3	239.9	228.8
<i>Aviation Fuel</i>	215.8	236.1	228.9	245.4	273.1	272.7	212.9	244.2	235.4	221.5
<i>Kerosene</i>	21.0	31.0	29.0	6.3	3.9	6.1	4.3	7.0	4.5	7.3
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
<b>Total imports</b>	<b>1,151.5</b>	<b>1,225.8</b>	<b>1,311.7</b>	<b>1,338.1</b>	<b>1,481.7</b>	<b>1,451.4</b>	<b>1,365.6</b>	<b>1,500.5</b>	<b>1,577.3</b>	<b>1,594.9</b>

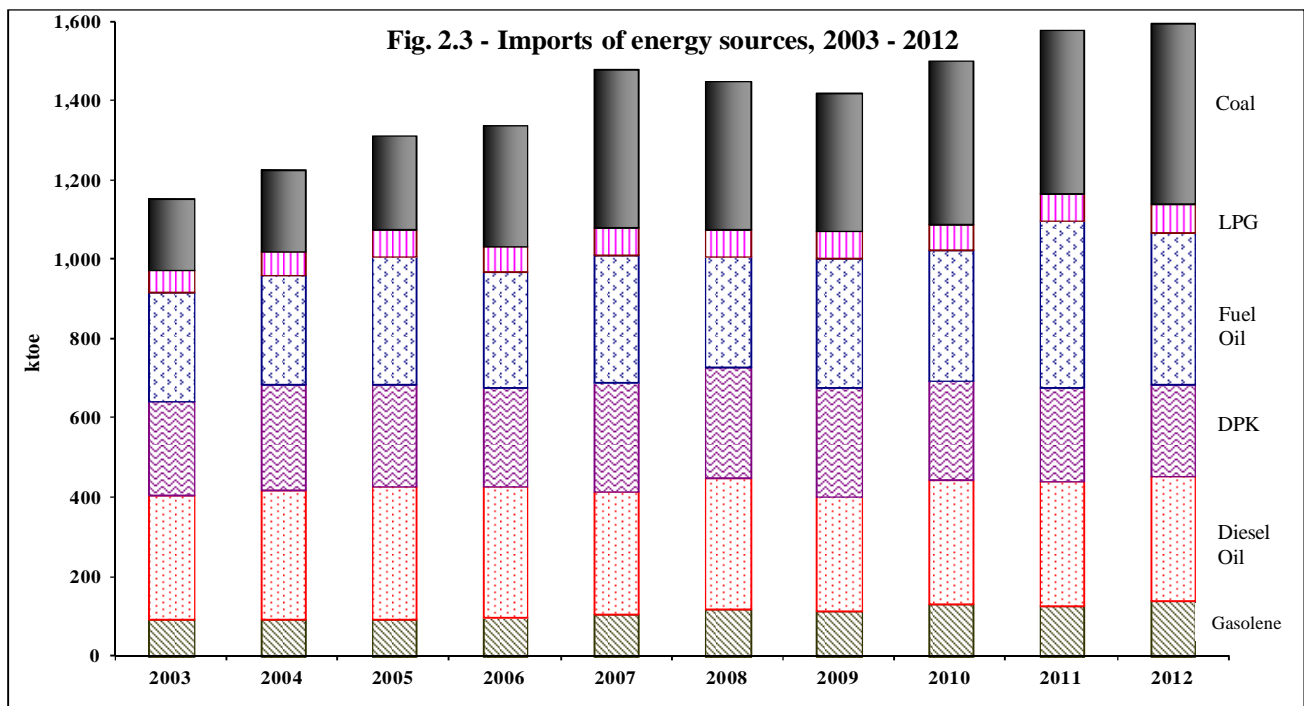
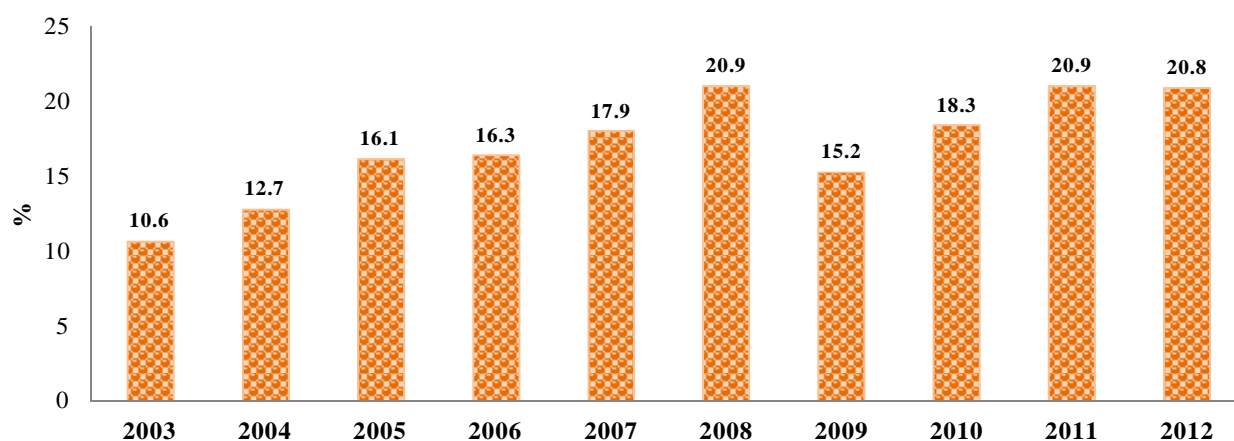




Table 2.5 - Imports value of energy sources by country of origin, 2003 - 2012

Country	Value (c.i.f.): Rs(000)									
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
<b>Coal</b>	<b>307,849</b>	<b>519,674</b>	<b>766,654</b>	<b>954,265</b>	<b>1,597,689</b>	<b>2,174,661</b>	<b>1,792,027</b>	<b>2,324,445</b>	<b>2,641,252</b>	<b>2,559,336</b>
China	-	-	-	-	-	-	-	-	-	43
Mozambique	115,227	289,483	346,844	141,251	-	-	-	-	509,746	326,700
South Africa	192,623	230,191	419,810	813,014	1,597,689	2,174,661	1,792,027	2,324,445	2,131,506	2,232,593
<b>Gasolene</b>	<b>748,509</b>	<b>1,030,619</b>	<b>1,452,772</b>	<b>1,877,318</b>	<b>2,180,054</b>	<b>2,690,298</b>	<b>2,022,369</b>	<b>3,084,361</b>	<b>3,431,101</b>	<b>4,113,372</b>
Bahrain	439,731	686,478	526,795	301,504	-	-	-	-	-	-
India	-	-	82,960	1,023,652	2,180,054	2,690,298	2,022,369	3,084,361	3,431,101	4,113,372
Reunion Island	-	-	25,040	-	-	-	-	-	-	-
Saudi Arabia	258,132	89,363	104,960	82,715	-	-	-	-	-	-
Singapore	-	-	94,674	-	-	-	-	26	-	-
South Africa	-	48,099	-	-	-	-	-	-	-	-
Tanzania	-	26,860	-	-	-	-	-	-	-	-
United Arab Emirates	50,647	179,819	618,343	469,447	-	-	-	-	-	-
<b>Diesel</b>	<b>2,206,920</b>	<b>3,101,533</b>	<b>4,833,411</b>	<b>6,351,020</b>	<b>6,442,993</b>	<b>8,908,957</b>	<b>4,852,942</b>	<b>6,945,099</b>	<b>8,685,719</b>	<b>9,545,424</b>
Bahrain	1,148,753	1,388,045	2,029,459	225,438	-	-	-	-	-	-
India	196,298	430,416	542,554	3,722,366	6,442,993	8,908,957	4,852,942	6,945,099	8,685,719	9,545,424
Kuwait	-	188,187	-	-	-	-	-	-	-	-
Saudi Arabia	662,637	798,739	1,928,116	2,103,149	-	-	-	-	-	-
Singapore	-	-	265,007	-	-	-	-	-	-	-
South Africa	96,965	-	68,275	-	-	-	-	-	-	-
United Arab Emirates	46,240	296,146	-	300,066	-	-	-	-	-	-
Yemen	56,027	-	-	-	-	-	-	-	-	-
<b>Kerosene (excl. jet fuel)</b>	<b>168,548</b>	<b>321,443</b>	<b>456,826</b>	<b>123,881</b>	<b>82,769</b>	<b>174,630</b>	<b>77,095</b>	<b>154,537</b>	<b>108,353</b>	<b>215,562</b>
Bahrain	65,965	95,272	339,893	61,107	-	-	-	-	-	-
India	-	85,338	14,218	36,158	65,507	174,630	77,095	154,537	108,353	215,562
Qatar	-	-	-	3,026	-	-	-	-	-	-
Saudi Arabia	69,549	118,225	78,877	23,591	-	-	-	-	-	-
Seychelles	-	-	-	-	17,263	-	-	-	-	-
Singapore	-	-	3,695	-	-	-	-	-	-	-
South Africa	19,807	-	-	-	-	-	-	-	-	-
Tanzania	-	1,186	20,142	-	-	-	-	-	-	-
United Arab Emirates	12,628	21,422	-	-	-	-	-	-	-	-
Yemen	599	-	-	-	-	-	-	-	-	-
<b>Jet fuel type kerosene</b>	<b>1,588,451</b>	<b>2,451,264</b>	<b>3,621,568</b>	<b>4,937,243</b>	<b>5,825,957</b>	<b>7,287,213</b>	<b>3,579,294</b>	<b>5,464,992</b>	<b>6,190,950</b>	<b>6,600,932</b>
Bahrain	915,616	1,734,016	2,017,560	745,384	-	-	-	-	-	-
India	-	195,789	255,521	2,364,752	5,710,092	7,287,213	3,579,294	5,464,992	6,190,950	6,600,932
Qatar	-	-	-	246,974	-	-	-	-	-	-
Saudi Arabia	514,338	164,799	1,075,386	1,580,134	-	-	-	-	-	-
Seychelles	-	-	-	-	115,865	-	-	-	-	-
Singapore	-	-	228,443	-	-	-	-	-	-	-
South Africa	71,072	-	-	-	-	-	-	-	-	-
Tanzania	-	37,414	44,658	-	-	-	-	-	-	-
United Arab Emirates	48,505	319,246	-	-	-	-	-	-	-	-
Yemen	38,920	-	-	-	-	-	-	-	-	-
<b>Fuel Oil</b>	<b>1,452,876</b>	<b>1,621,612</b>	<b>2,810,517</b>	<b>3,331,425</b>	<b>4,028,957</b>	<b>4,580,564</b>	<b>4,353,206</b>	<b>5,112,788</b>	<b>8,022,088</b>	<b>8,233,892</b>
India	-	-	-	1,007,673	4,028,957	4,580,564	4,353,206	5,112,788	8,022,088	8,233,892
Iran	-	169,758	-	-	-	-	-	-	-	-
Madagascar	995,205	533,680	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-	-
South Africa	155,703	319,129	422,635	327,479	-	-	-	-	-	-
Ukraine	123,874	-	-	-	-	-	-	-	-	-
United Arab Emirates	178,095	599,045	2,387,883	1,996,272	-	-	-	-	-	-
<b>LPG</b>	<b>492,218</b>	<b>639,389</b>	<b>1,047,388</b>	<b>1,246,411</b>	<b>1,481,585</b>	<b>1,818,791</b>	<b>1,322,175</b>	<b>1,634,513</b>	<b>1,894,466</b>	<b>2,152,059</b>
Angola	-	-	-	-	-	-	-	60,806	-	-
Australia	-	-	-	132,400	-	94,103	90,435	188,800	74,308	-
Bahrain	-	116,753	138,513	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	404,325	-
France	24,209	-	-	-	-	-	-	-	-	-
Guinea	-	-	-	-	-	605,544	-	393,192	-	-
India	-	-	-	-	-	165,363	63,092	-	-	-
Indonesia	-	20,416	55,155	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	710,991	386,745	138,978	-
Madagascar	-	-	-	-	-	172,432	103,463	-	-	-
Malaysia	106,065	202,200	728,873	625,405	-	-	-	-	-	-
Oman	-	-	-	274,834	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	1,214,822	523,424	-	61,680	-	-
Singapore	217,298	42,408	-	-	-	-	-	-	-	-
South Africa	140,889	78,942	-	183,519	940	181,107	-	-	329	-
Taiwan	-	-	-	-	-	76,818	-	-	-	-
United Arab Emirates	-	151,845	95,634	30,252	265,822	-	278,968	543,290	1,276,527	2,152,059
Vietnam	-	-	-	-	-	-	75,226	-	-	-
Yemen	3,756	26,825	29,213	-	-	-	-	-	-	-
Other countries	25,980	-	-	-	-	-	-	-	-	-
<b>All energy sources</b>	<b>6,965,371</b>	<b>9,685,533</b>	<b>14,989,136</b>	<b>18,821,562</b>	<b>21,640,005</b>	<b>27,635,115</b>	<b>17,999,106</b>	<b>24,720,735</b>	<b>30,973,930</b>	<b>33,420,576</b>
Percentage of total imports value	10.6%	12.7%	16.1%	16.3%	17.9%	20.9%	15.2%	18.3%	20.9%	20.8%

**Fig. 2.4 - Import value of energy sources as a percentage of total imports value, 2003 - 2012**



**Table 2.6 - Re-exports and bunkering of energy sources, 2003 - 2012**

Energy re-exported	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
	<i>Thousand tonne</i>									
Aviation fuel for foreign aircraft	88.7	88.4	96.9	100.0	116.8	125.5	112.7	115.0	118.7	110.3
Diesel oil	97.7	105.2	135.4	122.3	118.4	117.3	108.6	113.2	100.2	102.7
Fuel oil	34.8	40.1	54.7	49.1	75.7	96.2	107.7	123.4	185.0	163.3
	<i>ktoe</i>									
Aviation fuel for foreign aircraft	92.3	91.9	100.7	104.0	121.4	130.5	117.2	119.6	123.5	114.7
Diesel oil	98.6	106.2	136.8	123.5	119.5	118.5	109.7	114.3	101.2	103.7
Fuel oil	33.4	38.5	52.6	47.1	72.6	92.3	103.4	118.5	177.6	156.8
<b>Total</b>	<b>224.3</b>	<b>236.7</b>	<b>290.1</b>	<b>274.7</b>	<b>313.6</b>	<b>341.3</b>	<b>330.3</b>	<b>352.4</b>	<b>402.3</b>	<b>375.2</b>
	<b>%</b>									
Aviation fuel for foreign aircraft	41.1	38.8	34.7	37.9	38.7	38.2	35.5	33.9	30.7	30.6
Diesel oil	44.0	44.9	47.2	45.0	38.1	34.7	33.2	32.5	25.2	27.6
Fuel oil	14.9	16.3	18.1	17.2	23.2	27.1	31.3	33.6	44.2	41.8
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

**Fig. 2.5 - Re-exports and bunkering of energy sources, 2003 - 2012**

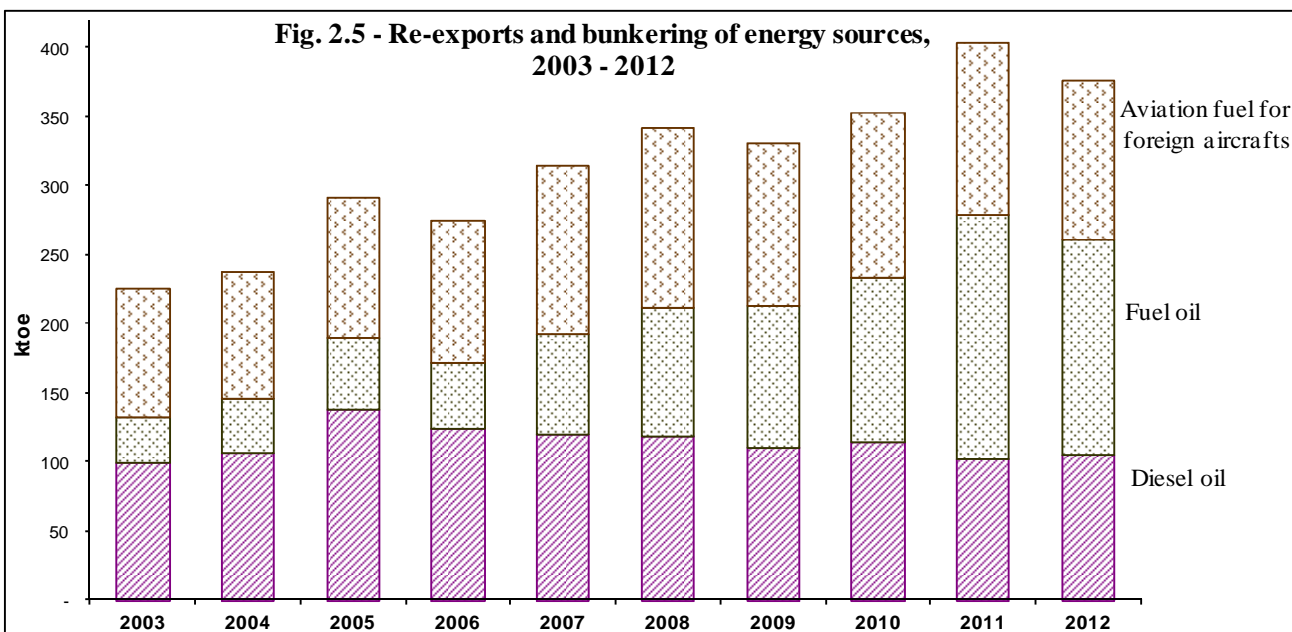
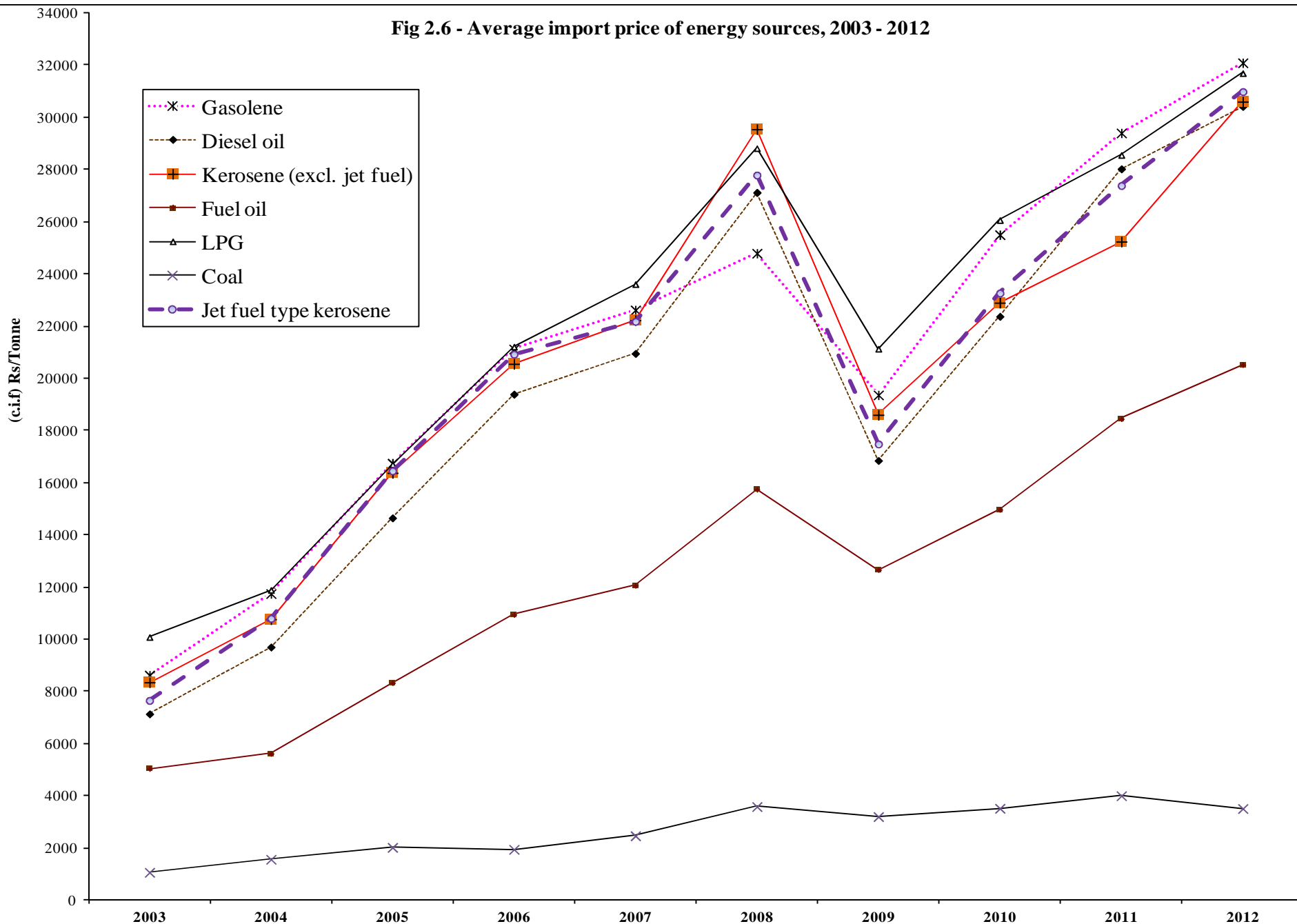




Fig 2.6 - Average import price of energy sources, 2003 - 2012

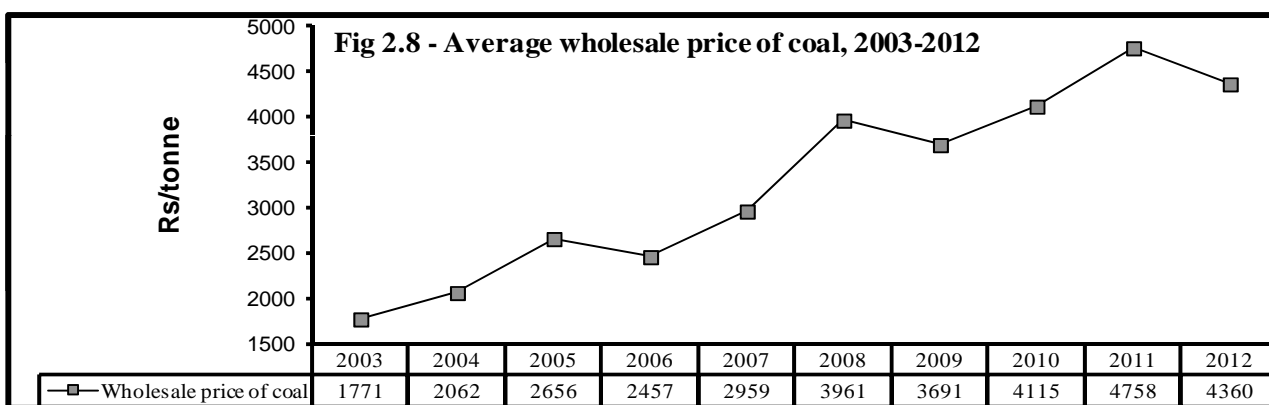
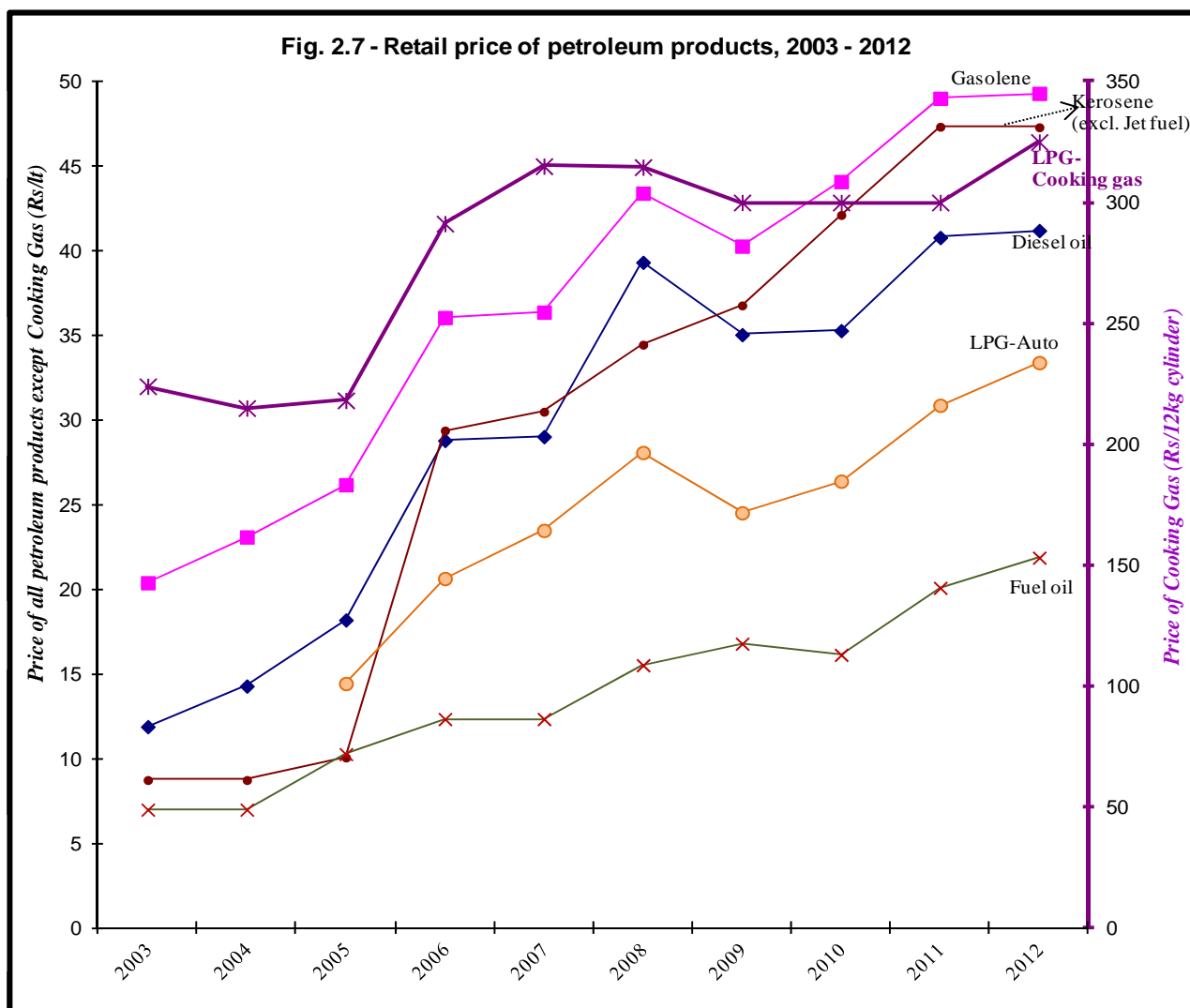




**Table 2.8 - Average retail price (Rupees) of petroleum products used as energy sources, 2003 - 2012**

Energy sources	Unit	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
		Rupees									
Gasolene	1 Lt	20.40	23.10	26.19	36.06	36.38	43.41	40.28	44.09	49.01	49.30
Diesel oil	1 Lt	11.90	14.30	18.20	28.80	29.03	39.32	35.05	35.29	40.79	41.20
Kerosene (excl. jet fuel)	1 Lt	8.75	8.75	10.08	29.39	30.50	34.46	36.78	42.12	47.33	47.30
Fuel Oil <sup>1/</sup>	1 Lt	7.00	7.00	10.28	12.35	12.35	15.53	16.80	16.14	20.10	21.88
LPG - Cooking Gas	12 Kg	224.00	215.00	218.20	291.25	315.00	314.60	300.00	300.00	300.00	325.00
LPG- Auto Gas	1 Lt			14.45	20.65	23.49	28.09	24.53	26.40	30.88	33.40

1/ Not retail price but sales price of STC



Data source: Cays Associates Ltd and Independent Power Producers

## Section III

### Transformation of energy

**Table 3.1 - Plant capacity, peak demand, electricity generation<sup>1</sup>, sales and total consumption of electricity, 2003 - 2012**

Year	Plant capacity <sup>2</sup> (MW)				Peak Power Demand (MW)		Electricity generated (GWh)						Sales (GWh)	Total Consumption (GWh)	
	Installed		Effective				Hydro	Wind	Photo-voltaic	Thermal		Total			Available for sales
	Isl. of Mtius	Rod.	Isl. of Mtius	Rod.	Isl. of Mtius	Rod.				Landfill gas <sup>3</sup>	Other				
2003	644.8	6.0	568.3	5.4	323.8	4.8	117.77	-	-	-	1,963.75	2,081.52	1,864.36	1,626.90	1,844.05
2004	644.5	10.0	549.9	9.0	332.6	5.6	122.27	0.43	-	-	2,042.51	2,165.22	1,950.40	1,703.95	1,918.77
2005	678.9	10.0	577.9	9.4	353.1	6.0	114.88	0.44	-	-	2,156.83	2,272.15	2,044.90	1,777.46	2,004.71
2006	700.7	10.0	609.4	9.4	367.3	5.7	76.64	0.41	-	-	2,273.18	2,350.23	2,121.88	1,879.80	2,108.15
2007	743.3	10.0	660.3	9.0	367.6	5.9	83.86	0.40	-	-	2,380.39	2,464.65	2,229.79	1,975.28	2,210.14
2008	715.5	10.0	617.7	9.0	378.1	6.0	108.03	0.37	-	-	2,448.84	2,557.24	2,307.24	2,053.66	2,303.66
2009	729.0	10.5	647.3	9.6	388.6	5.6	122.41	1.50	-	-	2,453.53	2,577.44	2,305.78	2,069.23	2,340.89
2010	729.1	11.1	655.2	10.1	404.1	6.1	100.73	2.51	-	-	2,585.47	2,688.71	2,408.14	2,173.91	2,454.48
2011	726.4	11.1	659.2	10.1	412.5	6.4	56.48	2.83	-	3.14	2,668.00	2,730.45	2,466.29	2,228.23	2,492.38
2012	767.6	13.7	682.6	12.9	430.1	6.6	74.07	3.57	0.90	17.80	2,700.10	2,796.44	2,546.63	2,294.36	2,561.71

<sup>1</sup> includes generation from photovoltaic and wind of SSDG and MSDG<sup>2</sup> Includes plant capacity for electricity not exported to CEB<sup>3</sup> generation started in August 2011

Source: Central Electricity Board and Annual Sugar Industry Energy Survey

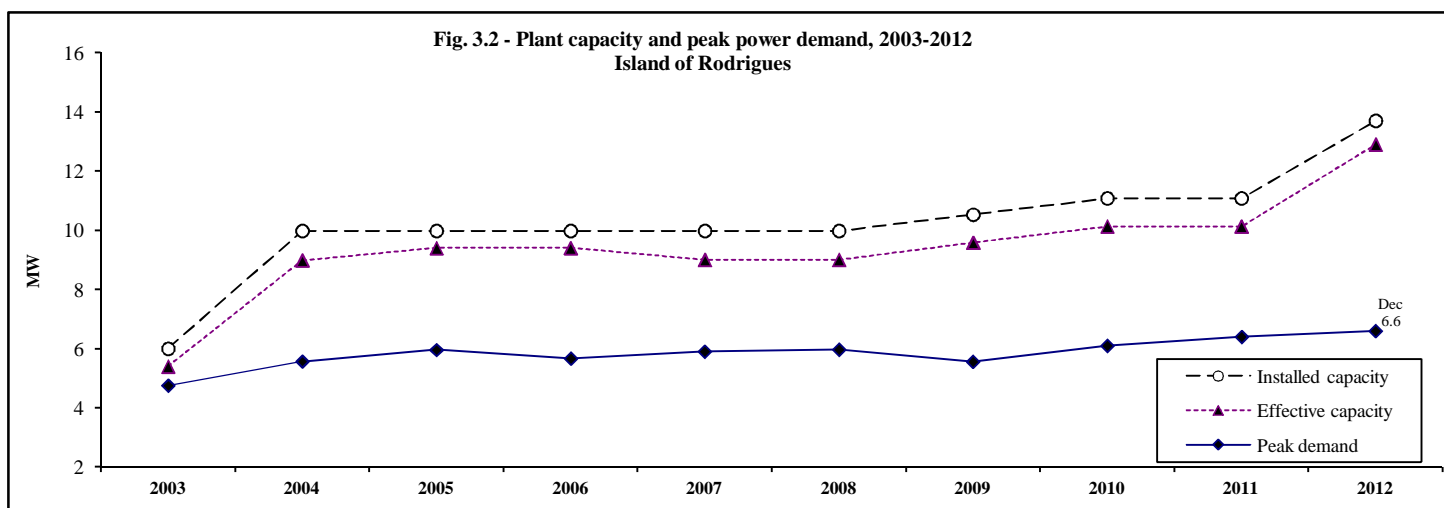
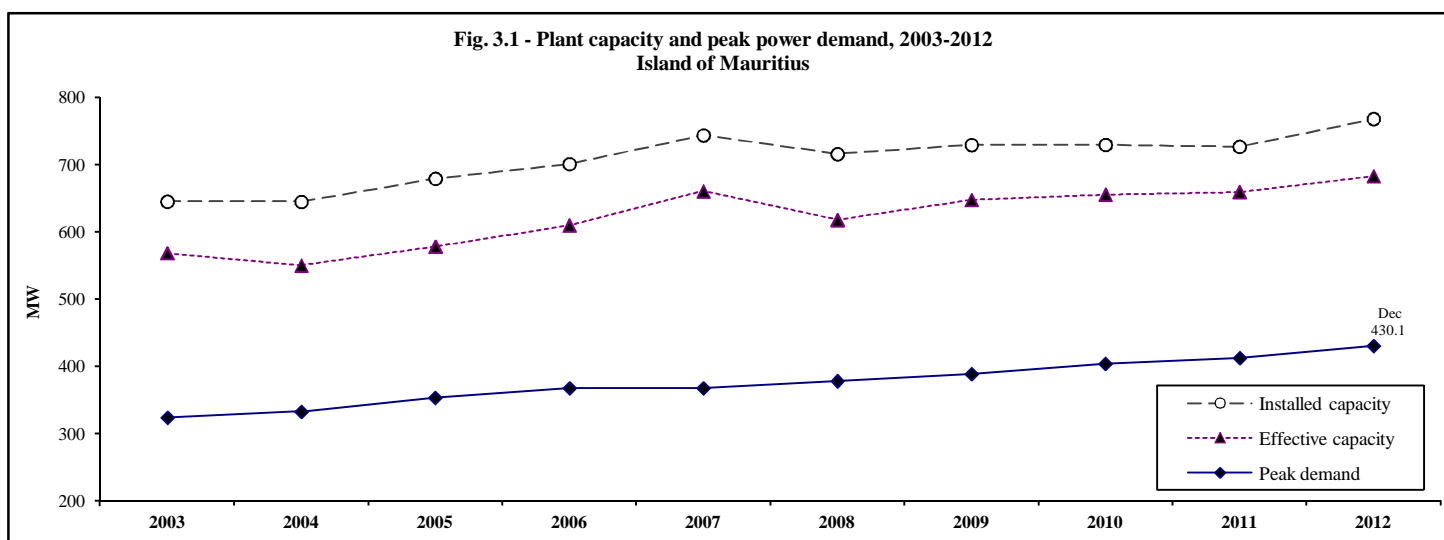


Table 3.2 - Plant capacity, 2012

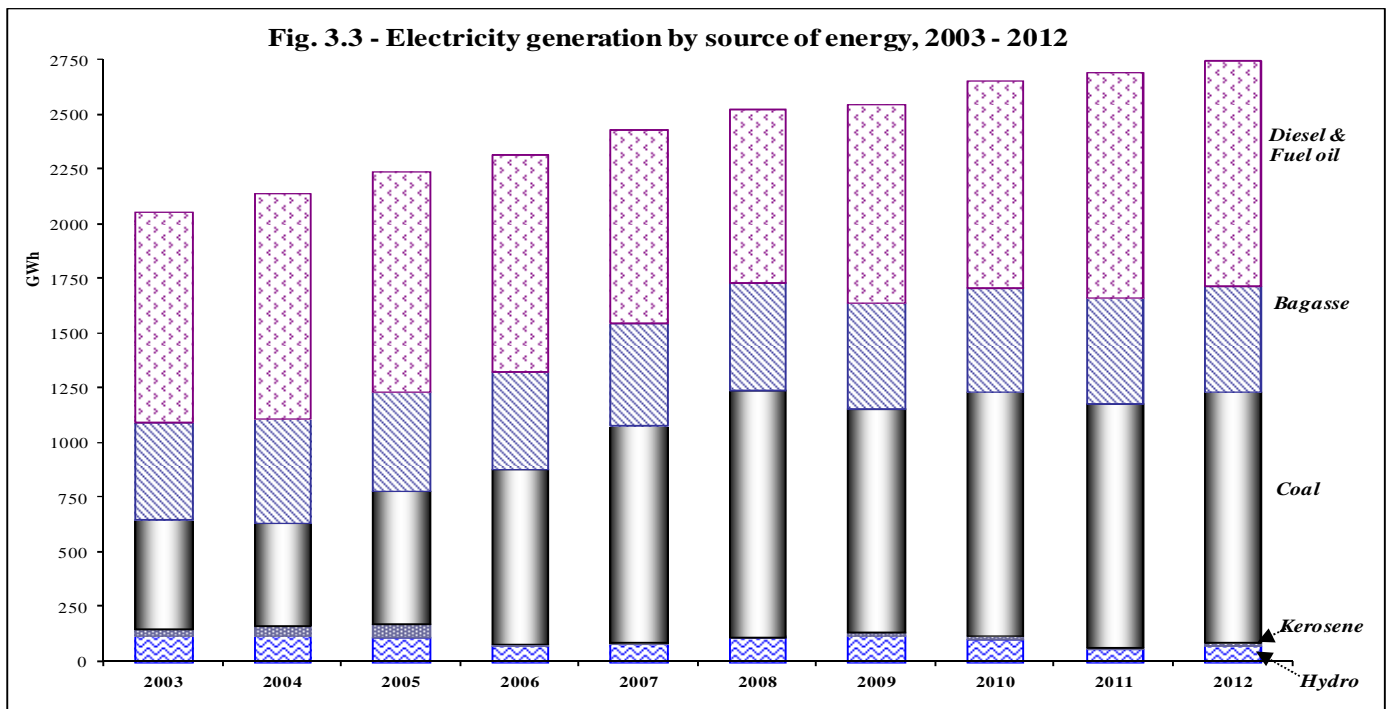
Central Electricity Board (CEB)			Independent Power Producers (IPP)		
	Plant capacity (MW)			Plant capacity (MW)	
	Installed	Effective		Installed	Effective
<b>Hydro:</b>			<u>Photovoltaic</u>	1.42	1.42
Champagne	30.00	28.00	<u>Wind</u>	0.01	0.01
Ferney	10.00	10.00			
Tamarind Falls	11.00	7.50	<b>Thermal:</b>		
Le Val	4.00	4.00	<u>Firm producers<sup>1</sup></u>	258.80	224.50
Reduit	1.20	1.00	F.U.E.L.	36.70	33.00
Cascade Cecile	1.00	0.90	Compagnie thermique de Belle Vue	71.20	62.00
Magenta	0.94	0.85	Consolidated energy limited	28.40	25.50
La Nicoliere F.C	0.35	0.35	Compagnie thermique du Sud	32.50	30.00
La Ferme	1.20	1.20	Compagnie thermique de Savannah	90.00	74.00
<b>Total</b>	<b>59.69</b>	<b>53.80</b>			
<b>Wind:</b>					
Island of Rodrigues	<b>1.28</b>	<b>1.28</b>			
<b>Thermal:</b>					
<u>Island of Mauritius</u>	432.50	387.90	<u>Continuous producers<sup>2</sup></u>	13.00	13.00
St Louis	100.90	72.90			
Fort Victoria	109.60	107.00	Medine	13.00	13.00
Nicolay	84.00	75.00			
Fort George	138.00	133.00			
<u>Island of Rodrigues</u>	12.40	11.65	<u>Landfill gas (Sotravic Ltd)</u>	2.20	2.00
<b>Total</b>	<b>444.90</b>	<b>399.55</b>			
<b>Total</b>	<b>505.87</b>	<b>454.63</b>	<b>Total</b>	<b>275.43</b>	<b>240.93</b>
<b>Total plant capacity</b>			<b>Installed</b>	<b>Effective</b>	
1. Island of Mauritius			767.62	682.63	
<i>CEB</i>			492.19	441.70	
<i>IPP</i>			275.43	240.93	
<i>of which involved in export to CEB</i>			278.70	227.50	
2. Island of Rodrigues (CEB)			13.68	12.93	
<b>Total</b>			<b>781.30</b>	<b>695.56</b>	

1 Producing electricity **all year** round with bagasse/coal

2 Producing electricity with bagasse **only** during crop season

Source: Central Electricity Board & Annual Sugar Industry Energy Survey





**Table 3.5 - Generation of electricity<sup>1</sup> by CEB and IPP, 2003 - 2012**

	GWh										
Power station	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	
<b>CEB</b>	<b>1,134.9</b>	<b>1,225.3</b>	<b>1,209.5</b>	<b>1,106.1</b>	<b>1,003.1</b>	<b>942.1</b>	<b>1,077.2</b>	<b>1,098.8</b>	<b>1,129.6</b>	<b>1,145.7</b>	
Hydro	117.7	122.3	114.9	76.6	83.9	108.0	122.4	100.7	56.5	74.1	
Wind	-	0.4	0.4	0.4	0.4	0.4	1.5	2.5	2.8	3.6	
<i>Island of Rodrigues</i>	-	0.4	0.4	0.4	0.4	0.4	1.5	2.5	2.8	3.6	
Thermal	1,017.2	1,102.6	1,094.2	1,029.1	918.9	833.7	953.2	995.5	1,070.3	1,068.0	
<i>Island of Mauritius</i>	992.8	1,075.8	1,064.6	998.7	888.4	802.9	923.0	966.0	1,040.0	1,038.0	
<i>Island of Rodrigues</i>	24.4	26.8	29.6	30.3	30.5	30.8	30.2	29.6	30.3	30.0	
<b>IPP</b>	<b>946.6</b>	<b>939.9</b>	<b>1,062.6</b>	<b>1,244.1</b>	<b>1,461.5</b>	<b>1,615.1</b>	<b>1,500.3</b>	<b>1,589.9</b>	<b>1,600.9</b>	<b>1,650.8</b>	
Hydro	0.1	0.0	-	-	-	-	-	-	-	-	
<i>Of which : exported to CEB</i>	-	-	-	-	-	-	-	-	-	-	
Photovoltaic / Wind	-	-	-	-	-	-	-	-	-	0.9	
<i>Of which : exported to CEB</i>	-	-	-	-	-	-	-	-	-	0.3	
Thermal	946.5	939.9	1,062.6	1,244.1	1,461.5	1,615.1	1,500.3	1,589.9	1,600.9	1,649.9	
<i>Of which : exported to CEB</i>	<b>729.4</b>	<b>725.1</b>	<b>835.4</b>	<b>1,015.7</b>	<b>1,226.7</b>	<b>1,365.1</b>	<b>1,228.6</b>	<b>1,309.4</b>	<b>1,336.7</b>	<b>1,383.2</b>	
Coal ( <i>Firm producers</i> <sup>2</sup> )	433.4	407.2	533.8	719.5	879.9	998.7	875.0	966.6	981.0	1,021.4	
Bagasse	296.1	317.9	301.6	296.2	346.8	366.4	353.6	342.8	352.6	344.0	
<i>Firm producers</i> <sup>2</sup>	176.2	191.0	185.0	182.6	302.8	346.7	313.6	308.0	332.0	340.3	
<i>Continuous producers</i> <sup>3</sup>	119.9	127.0	116.6	113.6	44.0	19.7	40.0	34.8	20.6	3.7	
Landfill gas <sup>4</sup>	-	-	-	-	-	-	-	-	3.1	17.8	
<b>Total</b>	<b>2,081.5</b>	<b>2,165.2</b>	<b>2,272.1</b>	<b>2,350.2</b>	<b>2,464.6</b>	<b>2,557.2</b>	<b>2,577.4</b>	<b>2,688.7</b>	<b>2,730.4</b>	<b>2,796.4</b>	
<i>of which renewables</i>	566.6	592.3	568.2	522.8	552.2	594.8	608.9	577.3	551.9	578.0	
<b>Island of Mauritius</b>											
CEB	1,110.5	1,198.1	1,179.5	1,075.4	972.3	911.0	1,045.5	1,066.7	1,096.4	1,112.1	
IPP export to CEB	729.4	725.1	835.4	1,015.7	1,226.7	1,365.1	1,228.6	1,309.4	1,336.7	1,383.4	
<b>Total available for sales</b>	<b>1,840.0</b>	<b>1,923.2</b>	<b>2,014.9</b>	<b>2,091.1</b>	<b>2,198.9</b>	<b>2,276.1</b>	<b>2,274.1</b>	<b>2,376.1</b>	<b>2,433.2</b>	<b>2,495.5</b>	
<i>of which renewables</i>	413.8	440.2	416.5	372.8	430.7	474.4	476.0	443.5	409.1	436.1	

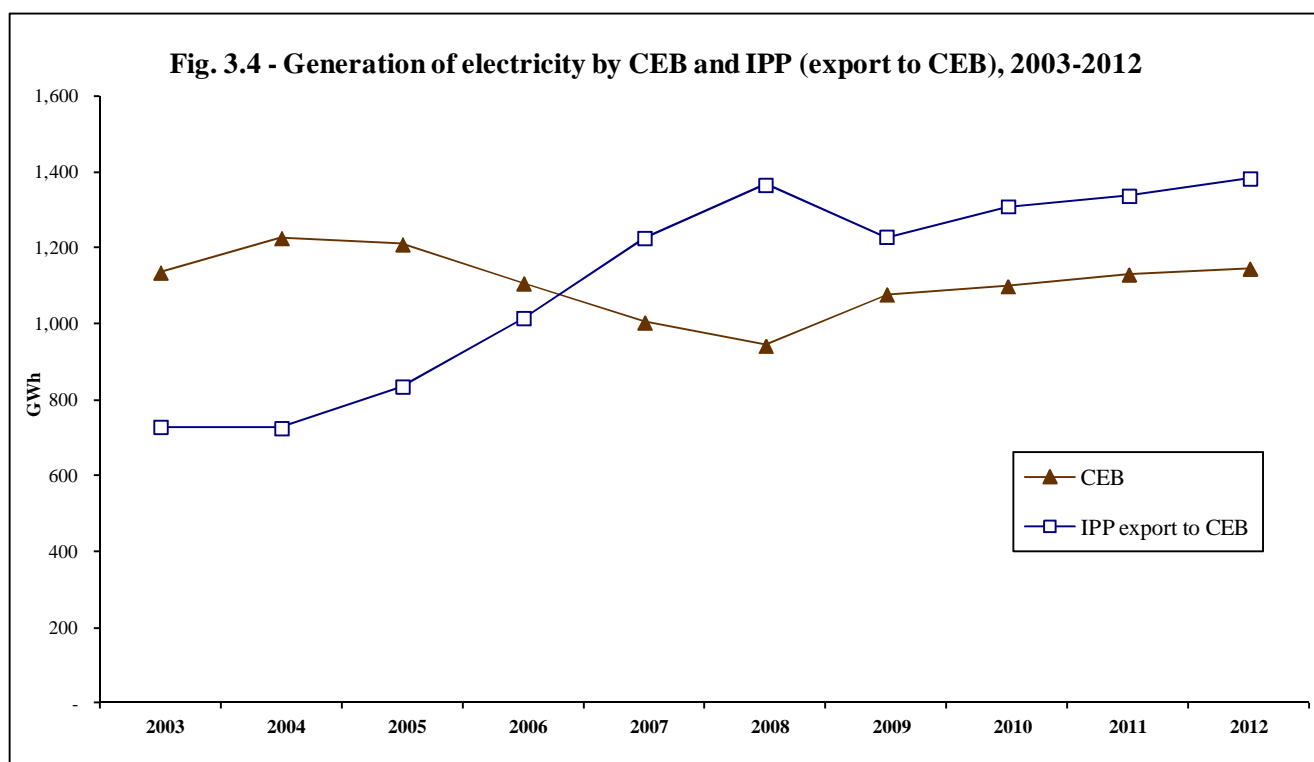
1 Includes generation from photovoltaic and wind of SSDG and MSDG

2 Producing electricity **all year** round with bagasse/coal

3 Producing electricity with bagasse **only** during crop season

4 Generation started in August 2011

Source: Central Electricity Board & Annual Sugar Industry Energy Survey



**Table 3.6 - Percentage share of electricity generated by CEB and IPP, 2003 - 2012**

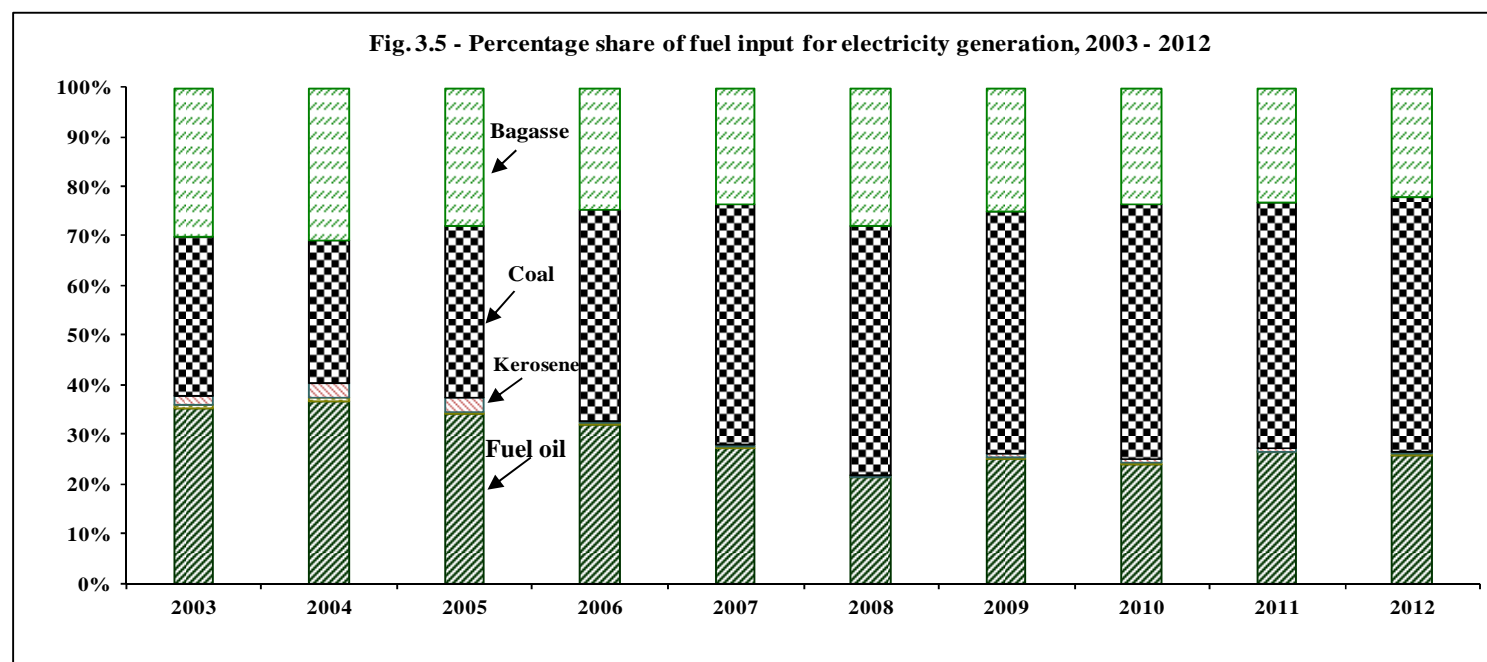
Power station	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
<b>CEB</b>	<b>54.5</b>	<b>56.6</b>	<b>53.2</b>	<b>47.1</b>	<b>40.7</b>	<b>36.8</b>	<b>41.8</b>	<b>40.9</b>	<b>41.4</b>	<b>41.0</b>
Hydro	5.7	5.6	5.1	3.3	3.4	4.2	4.7	3.7	2.1	2.6
Wind	-	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1
<i>Island of Rodrigues</i>	-	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1
Thermal	48.9	50.9	48.2	43.8	37.3	32.6	37.0	37.0	39.2	38.2
<i>Island of Mauritius</i>	47.7	49.7	46.9	42.5	36.0	31.4	35.8	35.9	38.1	37.1
<i>Island of Rodrigues</i>	1.2	1.2	1.3	1.3	1.2	1.2	1.2	1.1	1.1	1.1
<b>IPP</b>	<b>45.5</b>	<b>43.4</b>	<b>46.8</b>	<b>52.9</b>	<b>59.3</b>	<b>63.2</b>	<b>58.2</b>	<b>59.1</b>	<b>58.6</b>	<b>59.0</b>
Hydro	0.09	0.01	-	-	-	-	-	-	-	-
<i>Of which : exported to CEB</i>	-	-	-	-	-	-	-	-	-	-
Photovoltaic / Wind	-	-	-	-	-	-	-	-	-	0.03
Thermal	45.5	43.4	46.8	52.9	59.3	63.2	58.2	59.1	58.6	59.0
<i>Of which : exported to CEB</i>	35.0	33.5	36.8	43.2	49.8	53.4	47.7	48.7	49.0	49.5
Coal ( <i>Firm producers<sup>1</sup></i> )	20.8	18.8	23.5	30.6	35.7	39.1	34.0	36.0	35.9	36.5
Bagasse	14.2	14.7	13.3	12.6	14.1	14.3	13.7	12.7	12.9	12.3
<i>Firm producers<sup>1</sup></i>	8.5	8.8	8.1	7.8	12.3	13.6	12.2	11.5	12.2	12.2
<i>Continuous producers<sup>2</sup></i>	5.8	5.9	5.1	4.8	1.8	0.8	1.6	1.3	0.8	0.1
Landfill gas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.6
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
<i>of which renewables</i>	27.2	27.4	25.0	22.2	22.4	23.3	23.6	21.5	20.2	20.7
<b>Island of Mauritius</b>										
CEB	60.4	62.3	58.5	51.4	44.2	40.0	46.0	44.9	45.1	44.6
IPP export to CEB	39.6	37.7	41.5	48.6	55.8	60.0	54.0	55.1	54.9	55.4
Total available for sales	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<i>of which renewables</i>	22.5	22.9	20.7	17.8	19.6	20.8	20.9	18.7	16.9	17.5

Table 3.7 - Fuel input for electricity generation, 2003 - 2012

Fuel	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
<b>Island of Mauritius</b>	<b>Tonne</b>									
Fuel oil	200,067	215,290	210,144	219,969	195,081	160,359	183,678	190,108	207,576	206,146
Diesel oil	2,423	2,335	1,909	2,232	2,638	1,721	2,558	1,875	1,354	1,728
Kerosene	9,864	16,555	17,731	1,848	1,067	2,095	4,924	6,008	3,659	3,437
Coal	287,176	265,128	340,675	462,784	552,632	609,745	574,141	643,049	617,297	649,157
Bagasse <sup>1</sup>	1,046,794	1,092,823	1,055,742	1,036,598	1,040,286	1,300,939	1,135,588	1,140,383	1,119,040	1,077,786
<b>Island of Rodrigues</b>	<b>Tonne</b>									
Fuel oil	4,392	4,777	6,909	6,572	6,740	7,188	6,926	6,774	6,941	6,886
Diesel oil	1,472	1,633	217	299	108	180	203	122	169	129
<b>Island of Mauritius</b>	<b>Ktoe</b>									
Fuel oil	192.06	206.68	201.74	211.17	187.28	153.94	176.33	182.50	199.27	197.90
Diesel oil	2.45	2.36	1.93	2.25	2.66	1.74	2.58	1.89	1.37	1.75
Kerosene	10.26	17.22	18.44	1.92	1.11	2.18	5.12	6.25	3.81	3.57
Coal	178.05	164.38	211.22	286.93	342.63	378.04	355.97	398.69	382.72	402.48
Bagasse	167.49	174.85	168.92	165.86	166.45	208.15	181.69	182.46	179.05	172.45
<b>Sub total</b>	<b>550.31</b>	<b>565.48</b>	<b>602.24</b>	<b>668.13</b>	<b>700.13</b>	<b>744.05</b>	<b>721.70</b>	<b>771.80</b>	<b>766.22</b>	<b>778.14</b>
<b>Island of Rodrigues</b>	<b>Ktoe</b>									
Fuel oil	4.22	4.59	6.63	6.31	6.47	6.90	6.65	6.50	6.66	6.61
Diesel oil	1.49	1.65	0.22	0.30	0.11	0.18	0.21	0.12	0.17	0.13
<b>Sub total</b>	<b>5.70</b>	<b>6.24</b>	<b>6.85</b>	<b>6.61</b>	<b>6.58</b>	<b>7.08</b>	<b>6.85</b>	<b>6.63</b>	<b>6.83</b>	<b>6.74</b>
<b>Total</b>	<b>556.01</b>	<b>571.72</b>	<b>609.10</b>	<b>674.74</b>	<b>706.71</b>	<b>751.14</b>	<b>728.55</b>	<b>778.42</b>	<b>773.05</b>	<b>784.88</b>
<b>Island of Mauritius</b>	<b>Percentage</b>									
Fuel oil	34.5	36.2	33.1	31.3	26.5	20.5	24.2	23.4	25.8	25.2
Diesel oil	0.4	0.4	0.3	0.3	0.4	0.2	0.4	0.2	0.2	0.2
Kerosene	1.8	3.0	3.0	0.3	0.2	0.3	0.7	0.8	0.5	0.5
Coal	32.0	28.8	34.7	42.5	48.5	50.3	48.9	51.2	49.5	51.3
Bagasse	30.1	30.6	27.7	24.6	23.6	27.7	24.9	23.4	23.2	22.0
<b>Sub total</b>	<b>99.0</b>	<b>98.9</b>	<b>98.9</b>	<b>99.0</b>	<b>99.1</b>	<b>99.1</b>	<b>99.1</b>	<b>99.1</b>	<b>99.1</b>	<b>99.1</b>
<b>Island of Rodrigues</b>	<b>Percentage</b>									
Fuel oil	0.8	0.8	1.1	0.9	0.9	0.9	0.9	0.8	0.9	0.8
Diesel oil	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Sub total</b>	<b>1.0</b>	<b>1.1</b>	<b>1.1</b>	<b>1.0</b>	<b>0.9</b>	<b>0.9</b>	<b>0.9</b>	<b>0.9</b>	<b>0.9</b>	<b>0.9</b>
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

<sup>1</sup> Estimates

Fig. 3.5 - Percentage share of fuel input for electricity generation, 2003 - 2012





## Section IV

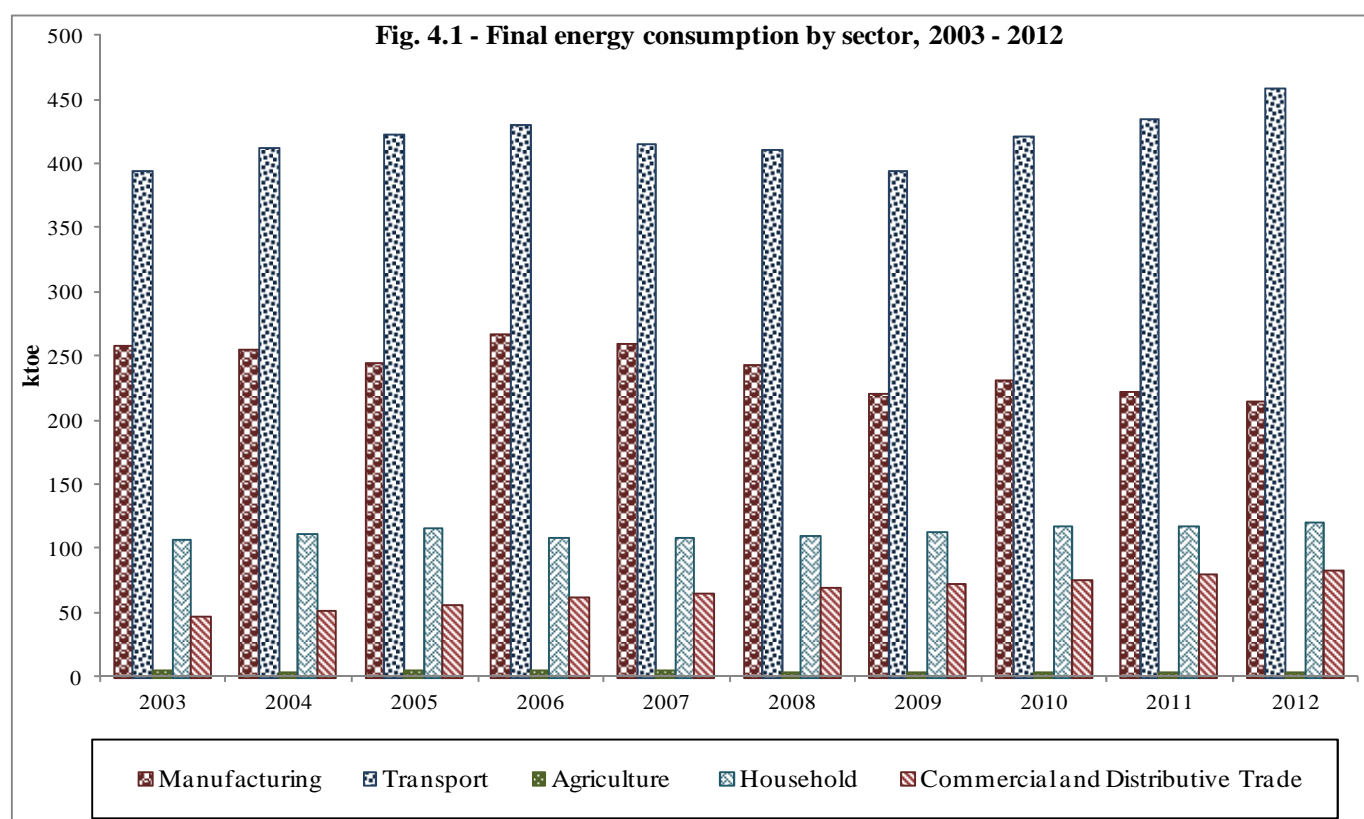
### Final energy consumption

**Table 4.1 - Final energy consumption by sector (Energy unit), 2003 - 2012**

	ktoe									
Sector	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
1. Manufacturing	257.98	255.42	244.61	266.61	259.36	243.49	220.45	231.16	221.71	215.42
2. Transport	394.51	412.56	422.63	429.99	415.60	410.65	394.89	421.59	435.29	458.46
3. Commercial and Distributive Trade	47.67	51.53	55.66	62.67	65.23	69.05	72.29	76.44	80.66	83.67
4. Household	107.03	110.95	115.43	108.86	108.77	110.15	113.11	116.89	117.40	120.12
5. Agriculture	4.75	4.44	4.70	4.78	4.90	4.48	4.07	4.40	4.30	4.50
6. Other (n.e.s) and losses	2.92	3.22	3.05	3.39	3.64	3.81	3.76	3.53	2.97	3.37
<b>TOTAL</b>	<b>814.87</b>	<b>838.12</b>	<b>846.08</b>	<b>876.30</b>	<b>857.50</b>	<b>841.63</b>	<b>808.57</b>	<b>854.01</b>	<b>862.32</b>	<b>885.55</b>

**Table 4.2 - Percentage share of final energy consumption by sector, 2003 - 2012**

	%									
Sector	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
1. Manufacturing	31.7	30.5	28.9	30.4	30.2	28.9	27.3	27.1	25.7	24.3
2. Transport	48.4	49.2	50.0	49.1	48.5	48.8	48.8	49.4	50.5	51.8
3. Commercial and Distributive Trade	5.9	6.1	6.6	7.2	7.6	8.2	8.9	9.0	9.4	9.4
4. Household	13.1	13.2	13.6	12.4	12.7	13.1	14.0	13.7	13.6	13.6
5. Agriculture	0.6	0.5	0.6	0.5	0.6	0.5	0.5	0.5	0.5	0.5
6. 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
<b>TOTAL</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>



**Table 4.3 - Final energy consumption by sector and type of fuel (Physical unit), 2003 - 2012**

Sector	Unit	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
<b>1. Manufacturing</b>											
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
Fuelwood <sup>1</sup>	tonne	1,430	1,415	1,400	1,425	1,425	1,425	1,426	1,426	1,425	1,410
Electricity	GWh	742.2	768.9	778.3	841.2	879.6	912.9	897.2	934.3	921.1	929.1
Bagasse	tonne	510,246	518,379	476,198	463,563	400,646	239,276	226,759	265,988	244,288	213,123
<b>2. Transport</b>											
<b>Land</b>											
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
LPG	tonne	2,223	2,691	6,726	6,887	6,633	5,184	4,587	4,641	4,502	4,363
<b>Air</b>											
Jet Fuel	tonne	123,627	137,002	137,560	141,053	138,104	131,631	106,246	118,553	129,170	140,582
<b>Sea</b>											
Fuel Oil	tonne	4,449	3,989	4,209	4,355	4,845	4,371	3,746	3,537	3,575	3,674
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
<b>3. Commercial and Distributive Trade</b>											
LPG	tonne	5,749	6,372	6,985	11,436	10,927	10,094	10,575	10,925	11,260	11,918
Charcoal <sup>1</sup>	tonne	350	360	380	393	407	422	437	453	469	474
Electricity	GWh	479.3	516.2	556.4	581.8	617.9	672.7	704.2	748.0	792.6	819.3
<b>4. Household</b>											
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
Fuelwood <sup>1</sup>	tonne	15,780	15,940	16,540	17,473	17,497	16,726	16,619	16,597	16,336	16,003
Charcoal <sup>1</sup>	tonne	125	120	130	123	126	119	119	119	116	114
Electricity	GWh	564.6	575.0	607.5	617.9	643.0	652.2	680.1	710.7	725.3	753.0
<b>5. Agriculture</b>											
Diesel oil <sup>1</sup>	tonne	2,410	2,375	2,345	2,289	2,456	2,241	2,286	2,325	2,344	2,331
Electricity	GWh	27.0	23.8	27.1	28.7	28.2	25.8	20.5	23.8	22.5	25.0

<sup>1</sup> Estimates

**Table 4.4 - Final energy consumption by sector and type of fuel (Energy unit), 2003 - 2012**

	ktoe									
<b>Sector</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>
<b>1. Manufacturing</b>	<b>258.0</b>	<b>255.4</b>	<b>244.6</b>	<b>266.6</b>	<b>259.4</b>	<b>243.5</b>	<b>220.4</b>	<b>231.2</b>	<b>221.7</b>	<b>215.4</b>
<b>1.1 excluding bagasse</b>	<b>176.3</b>	<b>172.5</b>	<b>168.4</b>	<b>192.4</b>	<b>195.3</b>	<b>205.2</b>	<b>184.2</b>	<b>188.6</b>	<b>182.6</b>	<b>181.3</b>
Fuel oil	49.1	44.0	40.9	51.6	53.5	48.3	41.4	39.8	38.7	37.4
Diesel oil	41.7	43.8	41.5	50.3	48.8	46.8	46.3	47.0	43.5	41.7
LPG	3.2	3.0	4.2	4.3	4.4	5.3	5.4	5.5	5.7	5.9
Coal	18.0	15.0	14.4	13.4	12.4	25.8	13.4	15.4	15.0	15.9
Fuelwood	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Electricity	63.8	66.1	66.9	72.3	75.6	78.5	77.1	80.3	79.2	79.9
<b>1.2 Bagasse</b>	<b>81.6</b>	<b>82.9</b>	<b>76.2</b>	<b>74.2</b>	<b>64.1</b>	<b>38.3</b>	<b>36.3</b>	<b>42.6</b>	<b>39.1</b>	<b>34.1</b>
<b>2. Transport</b>	<b>394.5</b>	<b>412.6</b>	<b>422.6</b>	<b>430.0</b>	<b>415.6</b>	<b>410.6</b>	<b>394.9</b>	<b>421.6</b>	<b>435.3</b>	<b>458.5</b>
<b>Land</b>	<b>257.3</b>	<b>262.6</b>	<b>270.9</b>	<b>275.5</b>	<b>263.6</b>	<b>265.7</b>	<b>276.7</b>	<b>290.6</b>	<b>293.1</b>	<b>304.2</b>
Gasolene	93.2	95.1	96.7	93.8	104.2	106.8	117.6	124.5	126.8	133.2
Diesel oil	161.7	164.6	167.0	174.2	152.2	153.4	154.2	161.1	161.5	166.3
LPG	2.4	2.9	7.3	7.4	7.2	5.6	5.0	5.0	4.9	4.7
<b>Air</b>	<b>128.6</b>	<b>142.5</b>	<b>143.1</b>	<b>146.7</b>	<b>143.6</b>	<b>136.9</b>	<b>110.5</b>	<b>123.3</b>	<b>134.3</b>	<b>146.2</b>
Jet fuel	128.6	142.5	143.1	146.7	143.6	136.9	110.5	123.3	134.3	146.2
<b>Sea</b>	<b>8.6</b>	<b>7.5</b>	<b>8.6</b>	<b>7.8</b>	<b>8.4</b>	<b>8.0</b>	<b>7.7</b>	<b>7.7</b>	<b>7.8</b>	<b>8.0</b>
Fuel Oil	4.3	3.8	4.0	4.2	4.7	4.2	3.6	3.4	3.4	3.5
Gasolene	3.2	2.5	3.4	2.4	2.7	2.7	3.0	3.2	3.3	3.4
Diesel oil	1.1	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1
<b>3. Commercial and Distributive Trade</b>	<b>47.7</b>	<b>51.5</b>	<b>55.7</b>	<b>62.7</b>	<b>65.2</b>	<b>69.1</b>	<b>72.3</b>	<b>76.4</b>	<b>80.7</b>	<b>83.7</b>
LPG	6.2	6.9	7.5	12.4	11.8	10.9	11.4	11.8	12.2	12.9
Charcoal	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4
Electricity	41.2	44.4	47.8	50.0	53.1	57.8	60.6	64.3	68.1	70.4
<b>4. Household</b>	<b>107.0</b>	<b>111.0</b>	<b>115.4</b>	<b>108.9</b>	<b>108.8</b>	<b>110.2</b>	<b>113.1</b>	<b>116.9</b>	<b>117.4</b>	<b>120.1</b>
Kerosene	8.6	9.1	10.2	4.1	1.3	1.8	1.5	1.8	0.5	0.3
LPG	43.8	46.3	46.7	44.9	45.5	45.8	46.7	47.6	48.2	49.0
Fuelwood	6.0	6.1	6.3	6.6	6.7	6.4	6.3	6.3	6.2	6.1
Charcoal	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Electricity	48.5	49.4	52.2	53.1	55.3	56.1	58.5	61.1	62.4	64.7
<b>5. Agriculture</b>	<b>4.8</b>	<b>4.4</b>	<b>4.7</b>	<b>4.8</b>	<b>4.9</b>	<b>4.5</b>	<b>4.1</b>	<b>4.4</b>	<b>4.3</b>	<b>4.5</b>
Diesel oil	2.4	2.4	2.4	2.3	2.5	2.3	2.3	2.3	2.4	2.4
Electricity	2.3	2.1	2.3	2.5	2.4	2.2	1.8	2.0	1.9	2.1
<b>6. Other (n.e.s) and losses</b>	<b>2.9</b>	<b>3.2</b>	<b>3.1</b>	<b>3.4</b>	<b>3.6</b>	<b>3.8</b>	<b>3.8</b>	<b>3.5</b>	<b>3.0</b>	<b>3.4</b>
<b>TOTAL</b>	<b>814.9</b>	<b>838.1</b>	<b>846.1</b>	<b>876.3</b>	<b>857.5</b>	<b>841.6</b>	<b>808.6</b>	<b>854.0</b>	<b>862.3</b>	<b>885.5</b>

**Table 4.5 - Percentage share of final energy consumption in ktoe by sector and type of fuel, 2003 - 2012**

	%									
<b>Sector</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>
<b>1. Manufacturing</b>	<b>31.7</b>	<b>30.5</b>	<b>28.9</b>	<b>30.4</b>	<b>30.2</b>	<b>28.9</b>	<b>27.3</b>	<b>27.1</b>	<b>25.7</b>	<b>24.3</b>
<b>1.1 Excluding bagasse</b>	<b>21.6</b>	<b>20.6</b>	<b>19.9</b>	<b>22.0</b>	<b>22.8</b>	<b>24.4</b>	<b>22.8</b>	<b>22.1</b>	<b>21.2</b>	<b>20.5</b>
Fuel oil	6.0	5.3	4.8	5.9	6.2	5.7	5.1	4.7	4.5	4.2
Diesel oil	5.1	5.2	4.9	5.7	5.7	5.6	5.7	5.5	5.0	4.7
LPG	0.4	0.4	0.5	0.5	0.5	0.6	0.7	0.6	0.7	0.7
Coal	2.2	1.8	1.7	1.5	1.4	3.1	1.7	1.8	1.7	1.8
Fuelwood	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Electricity	7.8	7.9	7.9	8.3	8.8	9.3	9.5	9.4	9.2	9.0
<b>1.2 Bagasse</b>	<b>10.0</b>	<b>9.9</b>	<b>9.0</b>	<b>8.5</b>	<b>7.5</b>	<b>4.5</b>	<b>4.5</b>	<b>5.0</b>	<b>4.5</b>	<b>3.9</b>
<b>2. Transport</b>	<b>48.4</b>	<b>49.2</b>	<b>50.0</b>	<b>49.1</b>	<b>48.5</b>	<b>48.8</b>	<b>48.8</b>	<b>49.4</b>	<b>50.5</b>	<b>51.8</b>
<b>Land</b>										
Gasolene	11.4	11.3	11.4	10.7	12.1	12.7	14.5	14.6	14.7	15.0
Diesel oil	19.8	19.6	19.7	19.9	17.8	18.2	19.1	18.9	18.7	18.8
LPG	0.3	0.3	0.9	0.8	0.8	0.7	0.6	0.6	0.6	0.5
<b>Air</b>										
Jet fuel	15.8	17.0	16.9	16.7	16.7	16.3	13.7	14.4	15.6	16.5
<b>Sea</b>										
Fuel Oil	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4
Gasolene	0.4	0.3	0.4	0.3	0.3	0.3	0.4	0.4	0.4	0.4
Diesel oil	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<b>3. Commercial and Distributive Trade</b>	<b>5.9</b>	<b>6.1</b>	<b>6.6</b>	<b>7.2</b>	<b>7.6</b>	<b>8.2</b>	<b>8.9</b>	<b>9.0</b>	<b>9.4</b>	<b>9.4</b>
LPG	0.8	0.8	0.9	1.4	1.4	1.3	1.4	1.4	1.4	1.5
Charcoal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Electricity	5.1	5.3	5.7	5.7	6.2	6.9	7.5	7.5	7.9	8.0
<b>4. Household</b>	<b>13.1</b>	<b>13.2</b>	<b>13.6</b>	<b>12.4</b>	<b>12.7</b>	<b>13.1</b>	<b>14.0</b>	<b>13.7</b>	<b>13.6</b>	<b>13.6</b>
Kerosene	1.1	1.1	1.2	0.5	0.2	0.2	0.2	0.2	0.1	0.0
LPG	5.4	5.5	5.5	5.1	5.3	5.4	5.8	5.6	5.6	5.5
Fuelwood	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.7	0.7	0.7
Charcoal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Electricity	6.0	5.9	6.2	6.1	6.4	6.7	7.2	7.2	7.2	7.3
<b>5. Agriculture</b>	<b>0.6</b>	<b>0.5</b>	<b>0.6</b>	<b>0.5</b>	<b>0.6</b>	<b>0.5</b>	<b>0.5</b>	<b>0.5</b>	<b>0.5</b>	<b>0.5</b>
Diesel oil	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Electricity	0.3	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2
<b>6. Other (n.e.s) and losses</b>	<b>0.4</b>	<b>0.4</b>	<b>0.4</b>	<b>0.4</b>	<b>0.4</b>	<b>0.5</b>	<b>0.5</b>	<b>0.4</b>	<b>0.3</b>	<b>0.4</b>
<b>TOTAL</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>



Fig 4.2 - Final energy consumption by main energy sources, 2003 - 2012

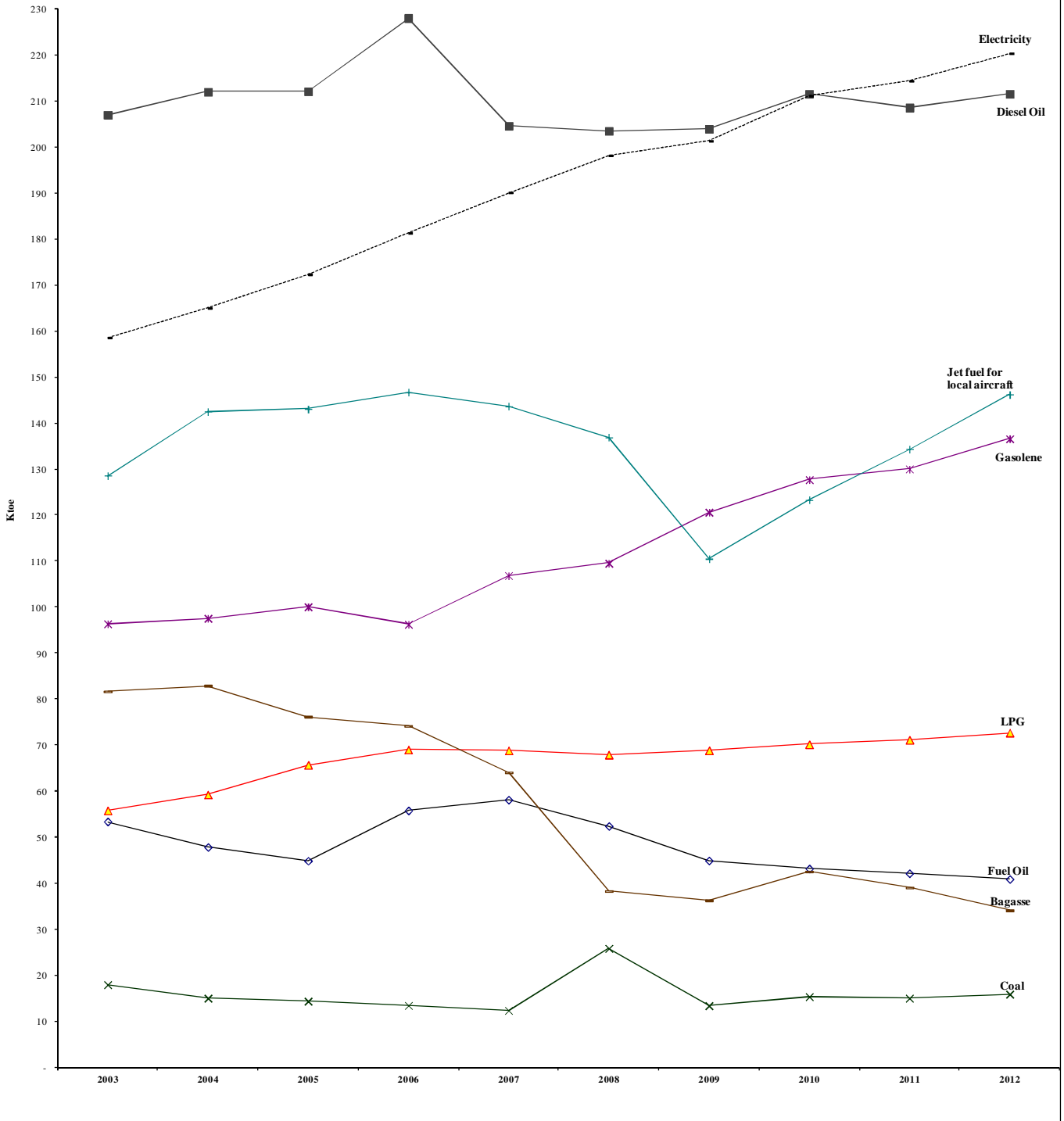
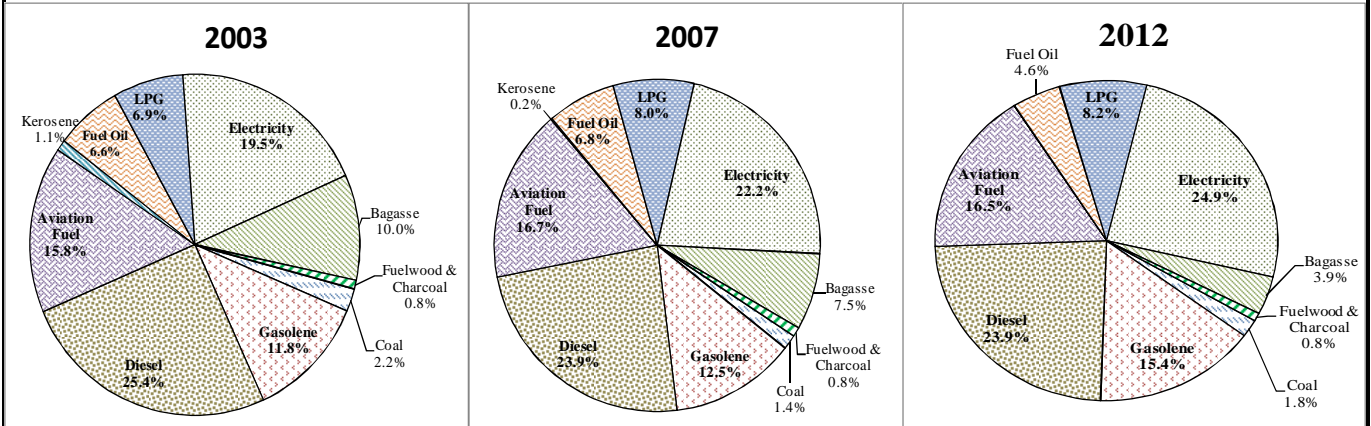


Fig 4.3 - Percentage share of energy sources in the Final energy consumption- 2003, 2007 & 2012



**Table 4.7 - Sales of electricity by tariff group, 2003 - 2012 (Republic of Mauritius)**

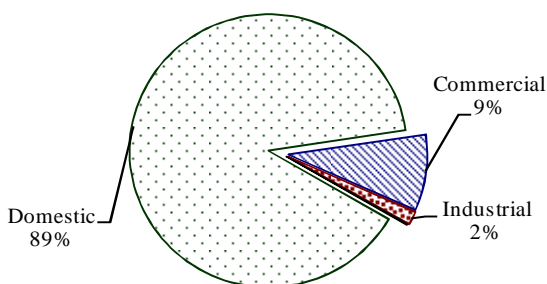
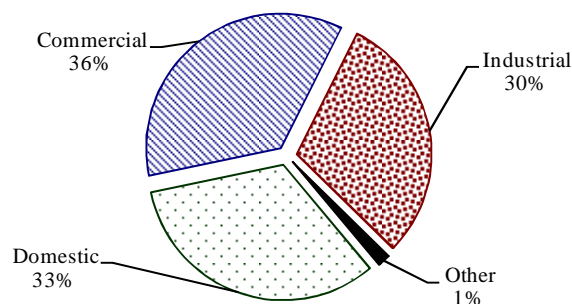
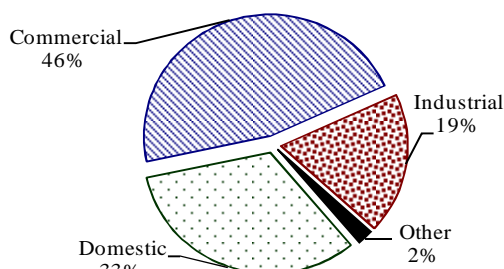
Tariff group	2003	2004	2005	2006	2007	2008	2009	2010 <sup>1</sup>	2011 <sup>2</sup>	2012 <sup>2</sup>
<b>Number of consumers</b>										
Domestic	311,523	319,425	328,726	335,816	343,142	350,627	358,359	364,474	372,315	381,096
Commercial	29,779	30,541	31,891	33,089	34,388	35,721	36,151	36,956	37,685	38,539
Industrial	7,218	7,205	7,316	7,364	7,435	7,295	7,143	7,008	6,818	6,763
Other	328	335	338	349	356	369	403	429	465	507
<b>Total</b>	<b>348,848</b>	<b>357,506</b>	<b>368,271</b>	<b>376,618</b>	<b>385,321</b>	<b>394,012</b>	<b>402,056</b>	<b>408,867</b>	<b>417,283</b>	<b>426,905</b>
<b>GWh sold</b>										
Domestic	564.6	575.0	607.5	617.9	643.0	652.2	680.1	710.7	725.3	753.0
Commercial	479.3	516.2	556.4	581.8	617.9	672.7	704.2	748.0	792.6	818.7
Industrial	552.0	577.9	578.1	641.6	673.0	688.7	646.1	677.6	679.4	687.4
Other	31.0	34.8	35.4	38.5	41.4	40.0	38.9	37.6	30.9	35.3
<b>Total</b>	<b>1,626.9</b>	<b>1,703.9</b>	<b>1,777.5</b>	<b>1,879.8</b>	<b>1,975.3</b>	<b>2,053.7</b>	<b>2,069.2</b>	<b>2,173.9</b>	<b>2,228.2</b>	<b>2,294.4</b>
<b>Value sold (Rs.mn)</b>										
Domestic	1,783.6	1,855.7	2,031.8	2,264.1	2,463.6	3,145.5	3,451.6	3,665.9	4,106.3	4,288.1
Commercial	1,928.6	2,091.6	2,312.4	2,779.1	3,109.5	4,439.4	4,827.8	5,178.4	5,917.7	6,078.1
Industrial	1,176.0	1,253.2	1,268.3	1,532.4	1,691.6	2,203.6	2,109.1	2,231.9	2,415.0	2,444.5
Other	134.6	151.6	159.2	194.3	216.8	275.0	275.6	269.6	242.4	269.3
<b>Total</b>	<b>5,022.8</b>	<b>5,352.1</b>	<b>5,771.7</b>	<b>6,769.9</b>	<b>7,481.5</b>	<b>10,063.5</b>	<b>10,664.1</b>	<b>11,345.8</b>	<b>12,681.4</b>	<b>13,080.1</b>
<b>Average sales price* (Rs./kWh)</b>										
Domestic	3.16	3.23	3.34	3.66	3.83	4.82	5.07	5.16	5.66	5.69
Commercial	4.02	4.05	4.16	4.78	5.03	6.60	6.86	6.92	7.47	7.42
Industrial	2.13	2.17	2.19	2.39	2.51	3.20	3.26	3.29	3.55	3.56
Other	4.34	4.35	4.49	5.04	5.24	6.87	7.09	7.17	7.84	7.64
<b>Total</b>	<b>3.09</b>	<b>3.14</b>	<b>3.25</b>	<b>3.60</b>	<b>3.79</b>	<b>4.90</b>	<b>5.15</b>	<b>5.22</b>	<b>5.69</b>	<b>5.70</b>
<b>Average no. of units per consumer (kWh)</b>										
Domestic	1,812	1,800	1,848	1,840	1,874	1,860	1,898	1,950	1,948	1,976
Commercial	16,094	16,903	17,447	17,583	17,970	18,832	19,479	20,239	21,033	21,244
Industrial	76,476	80,204	79,022	87,123	90,514	94,414	90,445	96,692	99,654	101,641
Other	94,594	104,005	104,843	110,409	116,273	108,498	96,429	87,671	66,469	69,571
<b>Total</b>	<b>4,664</b>	<b>4,766</b>	<b>4,827</b>	<b>4,991</b>	<b>5,126</b>	<b>5,212</b>	<b>5,147</b>	<b>5,317</b>	<b>5,340</b>	<b>5,374</b>

1 Revised

2 Provisional

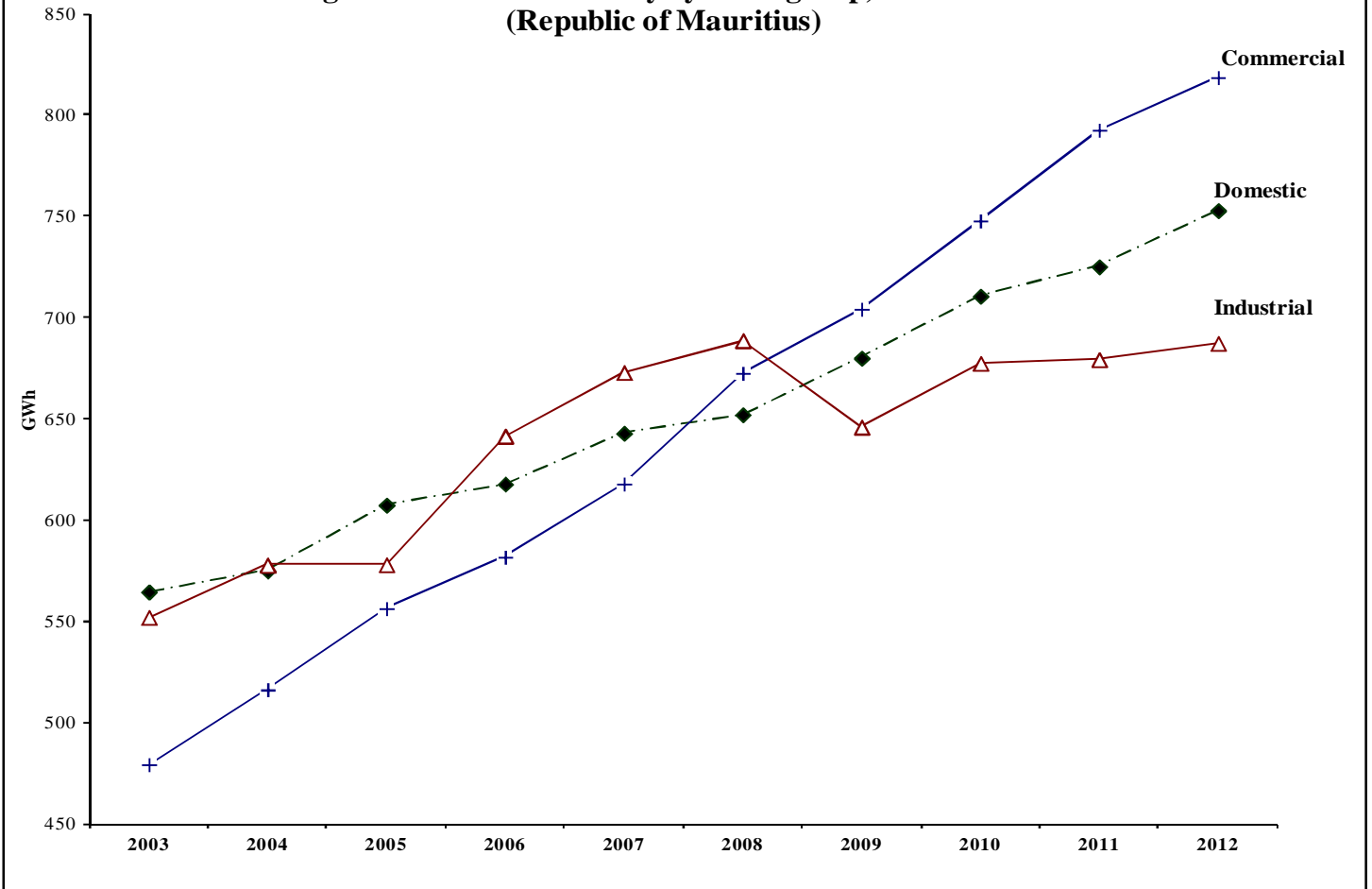
\* Excluding VAT &amp; meter rent

Source: Central Electricity Board

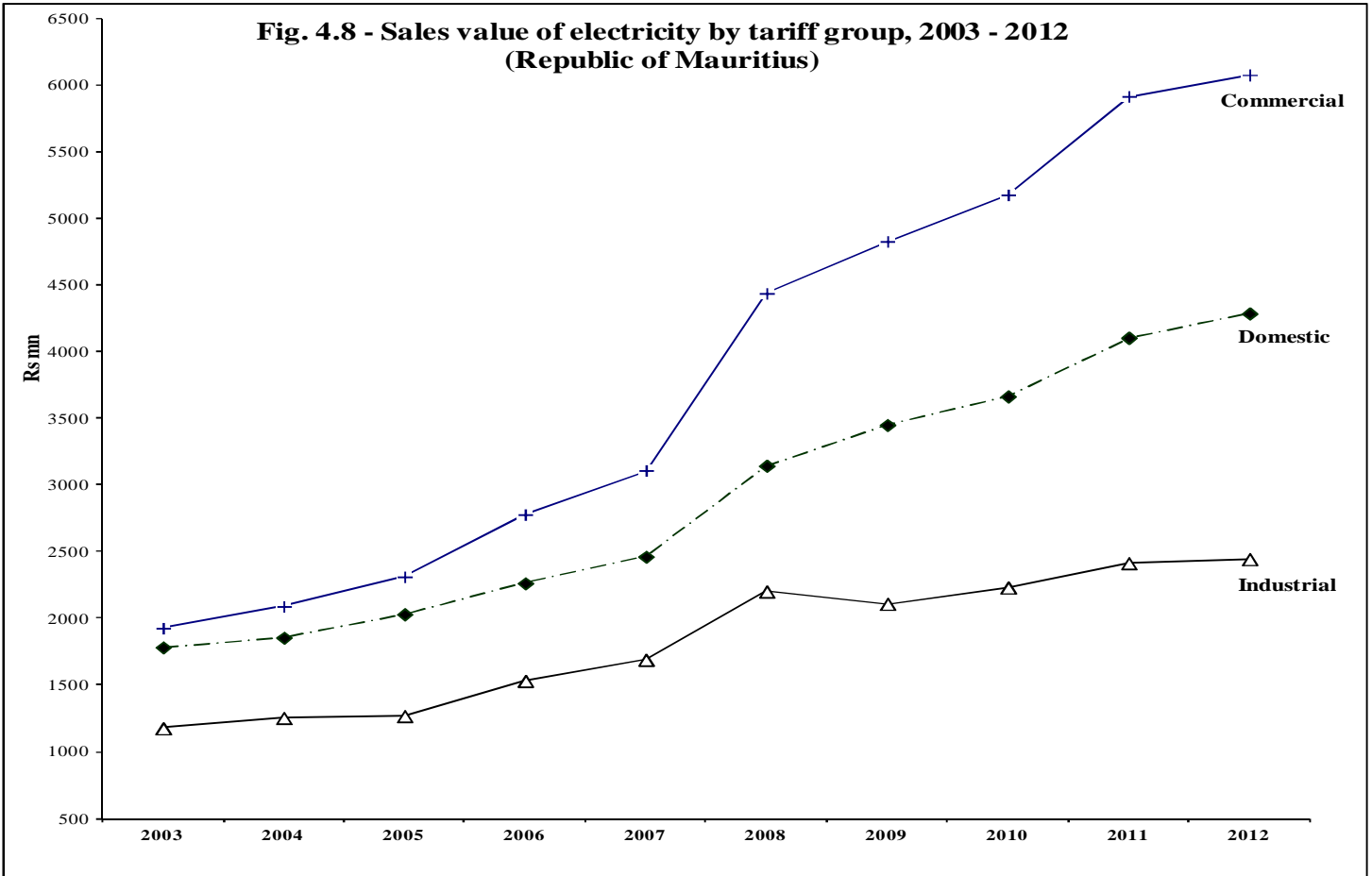
**Fig. 4.4 - Percentage share of electricity consumers by tariff group, 2012****Fig. 4.5 - Percentage share of electricity sold by tariff group, 2012****Fig. 4.6 - Percentage share of sales value of electricity by tariff group, 2012**



**Fig. 4.7 - Sales of electricity by tariff group, 2003 - 2012  
(Republic of Mauritius)**



**Fig. 4.8 - Sales value of electricity by tariff group, 2003 - 2012  
(Republic of Mauritius)**



**Table 4.8 - Sales of electricity by tariff group, 2003 - 2012 (Island of Mauritius)**

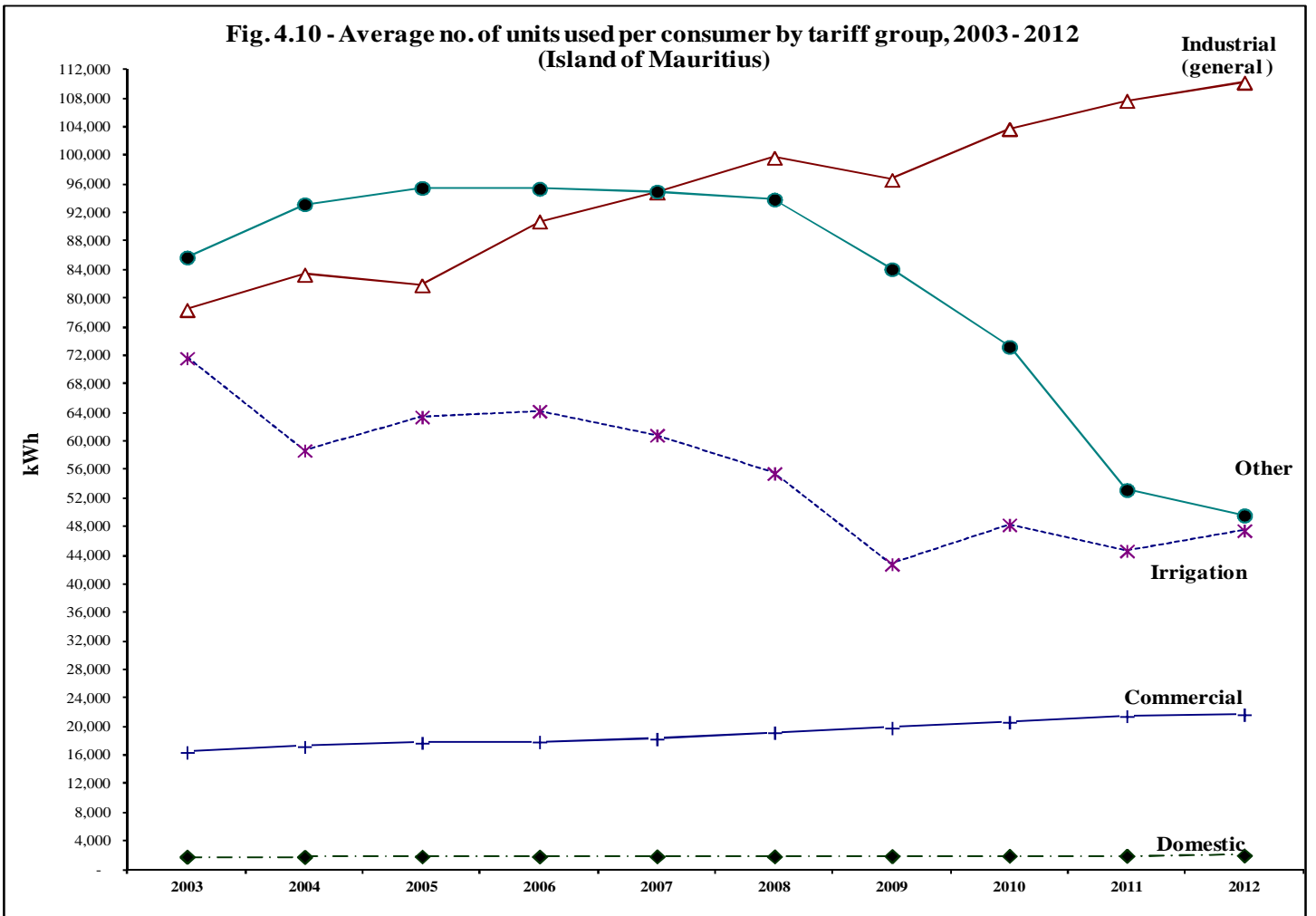
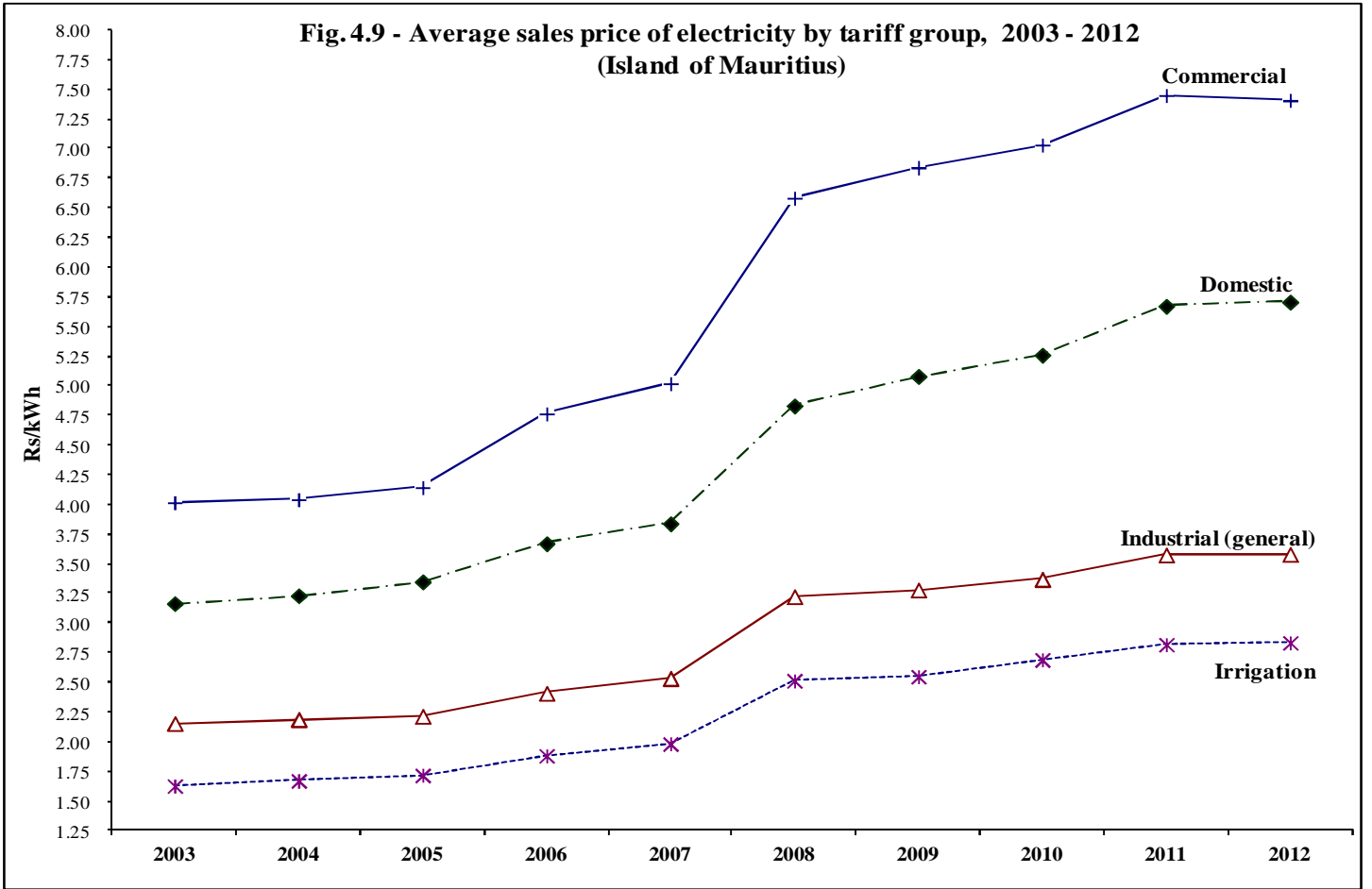
Tariff group	2003	2004	2005	2006	2007	2008	2009	2010 <sup>1</sup>	2011 <sup>2</sup>	2012 <sup>2</sup>
<b>Number of consumers</b>										
Domestic	302,387	310,078	319,075	325,830	332,900	340,217	347,757	353,689	361,231	369,707
Commercial	28,797	29,552	30,866	32,060	33,309	34,630	35,051	35,813	36,476	37,282
Industrial	7,057	7,032	7,132	7,176	7,245	7,096	6,932	6,777	6,586	6,517
<i>General</i>	6,681	6,629	6,710	6,729	6,782	6,631	6,454	6,284	6,082	5,992
<i>Irrigation</i>	376	403	422	447	463	465	478	493	504	525
Other	322	328	331	342	349	362	396	422	458	499
<b>Total</b>	<b>338,563</b>	<b>346,990</b>	<b>357,404</b>	<b>365,408</b>	<b>373,803</b>	<b>382,305</b>	<b>390,136</b>	<b>396,701</b>	<b>404,751</b>	<b>414,005</b>
<b>GWh sold</b>										
Domestic	552.6	562.4	593.2	603.4	628.4	637.5	665.3	695.3	709.7	737.0
Commercial	473.0	509.2	548.2	574.1	610.1	664.5	695.7	739.6	784.0	809.7
Industrial	550.6	576.0	575.8	639.7	671.2	687.0	643.9	675.6	677.4	685.4
<i>General</i>	523.7	552.4	549.1	611.0	643.0	661.1	623.5	651.8	654.9	660.5
<i>Irrigation</i>	26.9	23.7	26.8	28.7	28.2	25.8	20.4	23.8	22.5	24.9
Other	30.8	34.5	35.0	38.0	40.8	39.4	38.2	36.9	30.2	34.6
<i>Street Lighting</i>	27.6	30.6	31.6	32.6	33.1	34.0	33.3	30.9	24.4	24.8
<i>Temporary</i>	0.1	0.1	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.3
<i>Miscellaneous</i>	3.0	3.8	3.0	4.9	7.4	5.2	4.7	5.8	5.6	9.6
<b>Total</b>	<b>1,607.0</b>	<b>1,682.0</b>	<b>1,752.2</b>	<b>1,855.1</b>	<b>1,950.5</b>	<b>2,028.4</b>	<b>2,043.1</b>	<b>2,147.5</b>	<b>2,201.4</b>	<b>2,266.8</b>
<b>Value sold (Rs.mn)</b>										
Domestic	1,749.2	1,817.5	1,986.4	2,215.0	2,412.2	3,080.6	3,383.0	3,656.3	4,025.8	4,205.5
Commercial	1,899.3	2,057.5	2,272.1	2,736.0	3,062.7	4,375.0	4,757.8	5,198.9	5,839.9	5,996.8
Industrial	1,171.9	1,248.3	1,262.0	1,526.4	1,685.7	2,195.9	2,100.1	2,262.1	2,405.5	2,435.1
<i>General</i>	1,128.1	1,208.8	1,216.1	1,472.5	1,629.9	2,130.9	2,047.9	2,197.9	2,342.0	2,364.4
<i>Irrigation</i>	43.8	39.5	45.9	54.0	55.8	64.9	52.2	64.1	63.5	70.7
Other	133.5	150.0	157.0	191.4	213.6	270.4	270.9	269.4	237.1	264.1
<b>Total</b>	<b>4,953.9</b>	<b>5,273.3</b>	<b>5,677.6</b>	<b>6,668.8</b>	<b>7,374.3</b>	<b>9,921.9</b>	<b>10,511.8</b>	<b>11,386.7</b>	<b>12,508.3</b>	<b>12,901.6</b>
<b>Average sales price* (Rs./kWh)</b>										
Domestic	3.17	3.23	3.35	3.67	3.84	4.83	5.08	5.26	5.67	5.71
Commercial	4.02	4.04	4.14	4.77	5.02	6.58	6.84	7.03	7.45	7.41
Industrial	2.13	2.17	2.19	2.39	2.51	3.20	3.26	3.35	3.55	3.55
<i>General</i>	2.15	2.19	2.21	2.41	2.53	3.22	3.28	3.37	3.58	3.58
<i>Irrigation</i>	1.63	1.67	1.72	1.88	1.98	2.52	2.55	2.69	2.82	2.84
Other	4.34	4.35	4.49	5.04	5.23	6.87	7.09	7.29	7.84	7.63
<b>All tariff</b>	<b>3.08</b>	<b>3.14</b>	<b>3.24</b>	<b>3.59</b>	<b>3.78</b>	<b>4.89</b>	<b>5.14</b>	<b>5.30</b>	<b>5.68</b>	<b>5.69</b>
<b>Average no. of units per consumer (kWh)</b>										
Domestic	1,828	1,814	1,859	1,852	1,888	1,874	1,913	1,966	1,965	1,993
Commercial	16,426	17,229	17,761	17,907	18,317	19,189	19,847	20,651	21,495	21,719
Industrial	78,022	81,917	80,739	89,139	92,644	96,808	92,893	99,694	102,855	105,179
<i>General</i>	78,382	83,328	81,830	90,794	94,815	99,705	96,604	103,726	107,679	110,233
<i>Irrigation</i>	71,625	58,716	63,398	64,220	60,843	55,497	42,777	48,305	44,641	47,488
Other	85,748	93,190	95,480	95,368	94,979	93,867	84,099	73,227	53,187	49,620
<b>All consumers</b>	<b>4,747</b>	<b>4,848</b>	<b>4,903</b>	<b>5,077</b>	<b>5,218</b>	<b>5,306</b>	<b>5,237</b>	<b>5,413</b>	<b>5,439</b>	<b>5,475</b>

1 Revised

2 Provisional

\* Excluding VAT &amp; meter rent

Source: Central Electricity Board



**Table 4.9 - Sales of electricity by tariff group, 2003 - 2012 (Island of Rodrigues)**

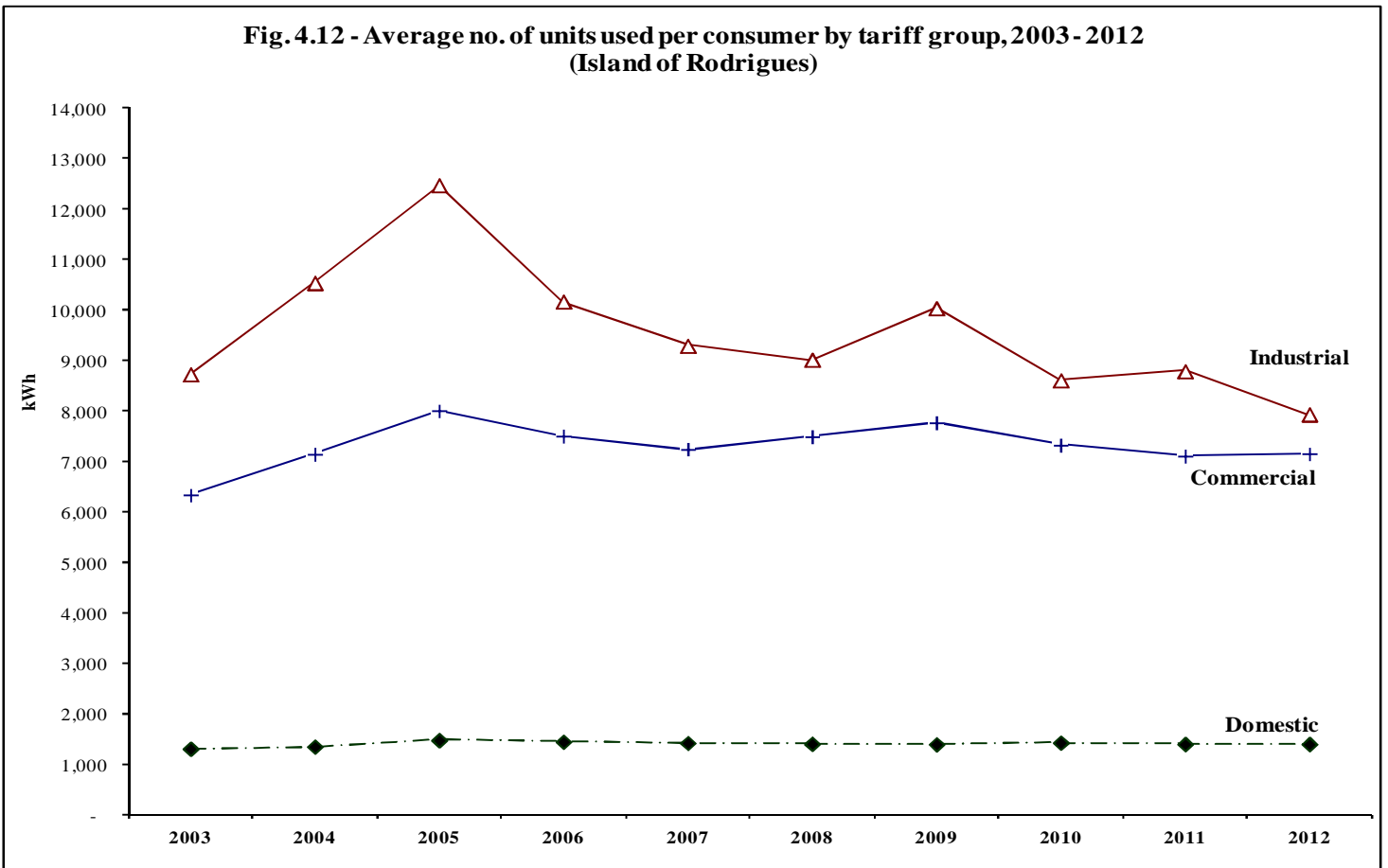
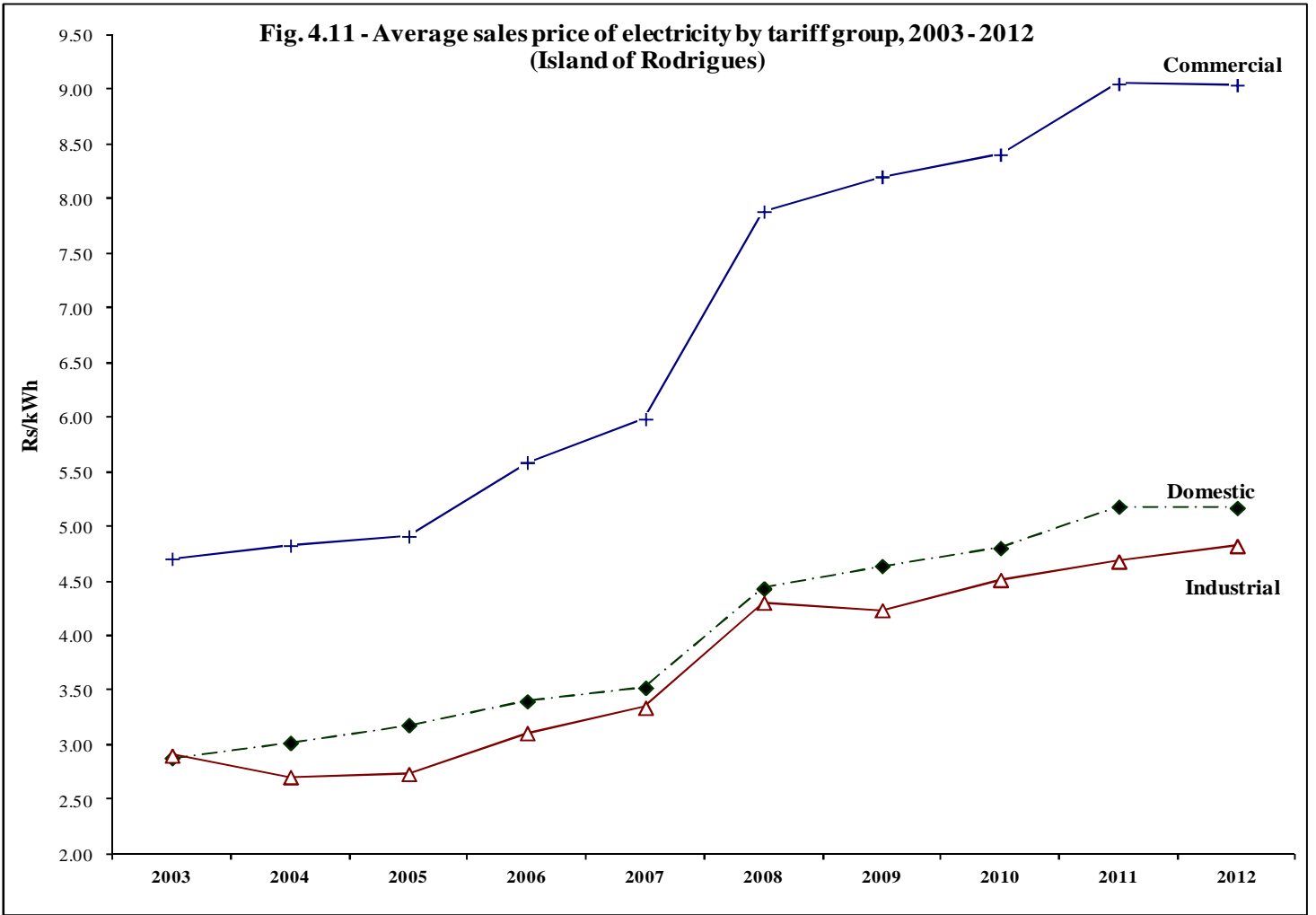
<b>Tariff group</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010<sup>1</sup></b>	<b>2011<sup>2</sup></b>	<b>2012<sup>2</sup></b>
<b>Number of consumers</b>										
Domestic	9,136	9,347	9,651	9,986	10,242	10,410	10,602	10,785	11,084	11,389
Commercial	982	989	1,025	1,029	1,079	1,091	1,100	1,143	1,209	1,257
Industrial	161	173	184	188	190	199	211	231	232	246
Other	6	7	7	7	7	7	7	7	7	8
<b>Total</b>	<b>10,285</b>	<b>10,516</b>	<b>10,867</b>	<b>11,210</b>	<b>11,518</b>	<b>11,707</b>	<b>11,920</b>	<b>12,166</b>	<b>12,532</b>	<b>12,900</b>
<b>GWh sold</b>										
Domestic	12.0	12.6	14.3	14.4	14.6	14.6	14.8	15.4	15.5	16.0
Commercial	6.2	7.1	8.2	7.7	7.8	8.2	8.5	8.4	8.6	9.0
Industrial	1.4	1.8	2.3	1.9	1.8	1.8	2.1	2.0	2.0	2.0
Other	0.3	0.4	0.5	0.6	0.6	0.7	0.7	0.7	0.7	0.7
<b>Total</b>	<b>19.8</b>	<b>21.9</b>	<b>25.2</b>	<b>24.7</b>	<b>24.7</b>	<b>25.3</b>	<b>26.1</b>	<b>26.4</b>	<b>26.8</b>	<b>27.6</b>
<b>Value sold (Rs mn)</b>										
Domestic	34.4	38.2	45.4	49.1	51.3	64.9	68.6	74.0	80.6	82.6
Commercial	29.3	34.1	40.3	43.1	46.8	64.4	70.0	70.4	77.8	81.3
Industrial	4.1	4.9	6.3	5.9	5.9	7.7	9.0	9.0	9.5	9.4
Other	1.1	1.6	2.2	2.9	3.2	4.6	4.7	4.9	5.2	5.2
<b>Total</b>	<b>68.9</b>	<b>78.8</b>	<b>94.1</b>	<b>101.1</b>	<b>107.2</b>	<b>141.6</b>	<b>152.3</b>	<b>158.2</b>	<b>173.1</b>	<b>178.5</b>
<b>Average sales price* (Rs/kWh)</b>										
Domestic	2.88	3.02	3.18	3.40	3.52	4.43	4.64	4.80	5.18	5.17
Commercial	4.71	4.83	4.91	5.59	5.98	7.88	8.20	8.40	9.05	9.04
Industrial	2.90	2.71	2.74	3.11	3.34	4.30	4.23	4.51	4.68	4.82
Other	4.20	4.36	4.49	5.05	5.37	6.96	7.05	7.29	7.72	7.85
<b>Average</b>	<b>3.47</b>	<b>3.60</b>	<b>3.73</b>	<b>4.10</b>	<b>4.33</b>	<b>5.61</b>	<b>5.83</b>	<b>5.98</b>	<b>6.45</b>	<b>6.47</b>
<b>Average no. of units per consumer (kWh)</b>										
Domestic	1,309	1,352	1,477	1,446	1,422	1,406	1,395	1,429	1,403	1,403
Commercial	6,336	7,145	8,006	7,505	7,243	7,492	7,766	7,327	7,108	7,152
Industrial	8,727	10,539	12,474	10,169	9,292	9,016	10,036	8,608	8,788	7,933
Other	44,122	53,047	69,034	81,968	84,841	94,382	95,355	95,987	96,954	83,041
<b>Average</b>	<b>1,930</b>	<b>2,083</b>	<b>2,323</b>	<b>2,199</b>	<b>2,148</b>	<b>2,158</b>	<b>2,191</b>	<b>2,174</b>	<b>2,143</b>	<b>2,138</b>

1 Revised

2 Provisional

\* Excluding VAT &amp; meter rent

Source: Central Electricity Board



**Section V**  
**Water Statistics**

**Table 5.1 - Water balance, *Island of Mauritius* , 2008 - 2012**Mm<sup>3</sup>

	2008	2009	2010	2011	2012
<b>Rainfall</b>	<b>4,440</b>	<b>4,470</b>	<b>3,368</b>	<b>3,627</b>	<b>3,001</b>
<i>Surface Runoff</i>	2664	2,682	2,021	2,176	1,801
<i>Evapotranspiration</i>	1332	1,341	1,010	1,088	900
<i>Net Recharge to Groundwater</i>	444	447	337	363	300

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

**Table 5.2 - Main water indicators<sup>1/</sup>, 2008 - 2012**

Details	Unit	2008	2009	2010	2011	2012
Mid-year population	thousand	1,231	1,237	1,243	1,248	1,253
Mean annual rainfall						
<i>Island of Mauritius</i>	Millimetres	2,382	2,397	1,806	1,945	1,609
<i>Island of Rodrigues Pte Canon</i>	Millimetres	1,055	948	1,142	834	1,041
<i>Plaine Corail</i>	Millimetres	1,132	823	1,188	842	853
Potable water produced	Mm <sup>3</sup>	209	220	223	203	215
Potable water consumed	Mm <sup>3</sup>	94	98	100	96	95
Potable water produced per capita per day	litres	465	486	492	445	469
Potable water consumed per capita per day	litres	209	217	221	212	207
Consumption per capita per day for 'Domestic' tariffs	litres	163	166	170	162	160
Average price per m <sup>3</sup>	Rs/m <sup>3</sup>	8.84	9.06	9.01	8.75	11.88

1/ All data refer to Island of Mauritius, except for rainfall where figures are available for Rodrigues as well.

**Table 5.3 - Water utilisation by source, 2010 - 2012, Island of Mauritius**

Mm<sup>3</sup>

Utilisation	2010				2011				2012			
	Source of water			Total	Source of water			Total	Source of water			Total
	Surface water		Ground water		Surface water		Ground water		Surface water		Ground water	
	River-run offtakes	Reservoirs		River-run offtakes	Reservoirs	River-run offtakes		Reservoirs				
Domestic, Industrial <sup>1/</sup> and tourism	36 <sup>2/</sup>	74	113	223	35 <sup>2/</sup>	59	111	205	35 <sup>2/</sup>	62	109	206
Industrial <sup>3/</sup>	5	-	5	10	5	-	5	10	5	-	6	11
Agricultural	320	78 <sup>4/</sup>	6	404	305	45 <sup>4/</sup>	6	356	299	59 <sup>4/</sup>	7	365
Hydropower	147	151 <sup>5/</sup>	-	298	113	68 <sup>5/</sup>	-	181	114	104 <sup>5/</sup>	-	218
<b>Overall Utilisation</b>	<b>508</b>	<b>303</b>	<b>124</b>	<b>935</b>	<b>458</b>	<b>172</b>	<b>122</b>	<b>752</b>	<b>453</b>	<b>225</b>	<b>122</b>	<b>800</b>
<b>Total Water Mobilisation</b>	<b>488</b>	<b>238</b>	<b>124</b>	<b>850</b>	<b>437</b>	<b>148</b>	<b>122</b>	<b>707</b>	<b>435</b>	<b>190</b>	<b>122</b>	<b>747</b>

1/ used through CWA

3/ used by water right owners and ground water licensees

5/ includes water used by Tamarind Falls, Magenta, Le Val & Ferney power stations

2/ includes water used by Le Reduit power station

4/ includes Tamarind Falls & Magenta power stations

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

**Table 5.4 - Fresh water abstractions for agricultural, domestic and industrial use by source, 2001 - 2012 (Island of Mauritius)**

Mm<sup>3</sup>

Source	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Surface water	532	578	577	575	541	528	518	497	511	513	449	460
<i>Reservoirs</i>	124	128	169	167	154	146	145	137	150	152	104	121
<i>Rivers and streams</i>	408	450	408	408	387	382	373	360	361	361	345	339
Ground water	145	148	148	150	150	154	112	119	121	124	122	122
<b>Total</b>	<b>677</b>	<b>726</b>	<b>725</b>	<b>725</b>	<b>691</b>	<b>682</b>	<b>630</b>	<b>616</b>	<b>632</b>	<b>637</b>	<b>571</b>	<b>582</b>

Note: period does not refer to calendar year but to Hydrologic Year which is from November year (n-1) to October year (n)

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

**Table 5.5 - Gross storage capacity of reservoirs by district of location and use, Island of Mauritius**

Reservoir	La Nicoliere	Diamamouve	Eau Bleue	Mare aux Vacoas	Mare Longue	Midlands Dam	Piton du Milieu	Dagotiere	Valetta	La Ferme	Tamarind Falls	Total Storage Capacity
<b>Capacity (Mm<sup>3</sup>)</b>	5.3	4.3	4.1	25.9	6.3	25.5	3.0	0.6	3.0	11.5	2.3	90.7
<b>District of location</b>	Pamplemousses	Grand Port		Plaines Wilhems			Moka			Black River		
<b>Use</b>	Domestic, Irrigation & Industrial	Hydro-power		Domestic	Hydro-power & Irrigation	Domestic, Irrigation & Industrial	Domestic	Sugar mill & Irrigation	Irrigation	Hydro-power & Irrigation		

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



**Table 5.6 - Mean rainfall, 2008 - 2012 (Island of Mauritius)**

*Millimetres*

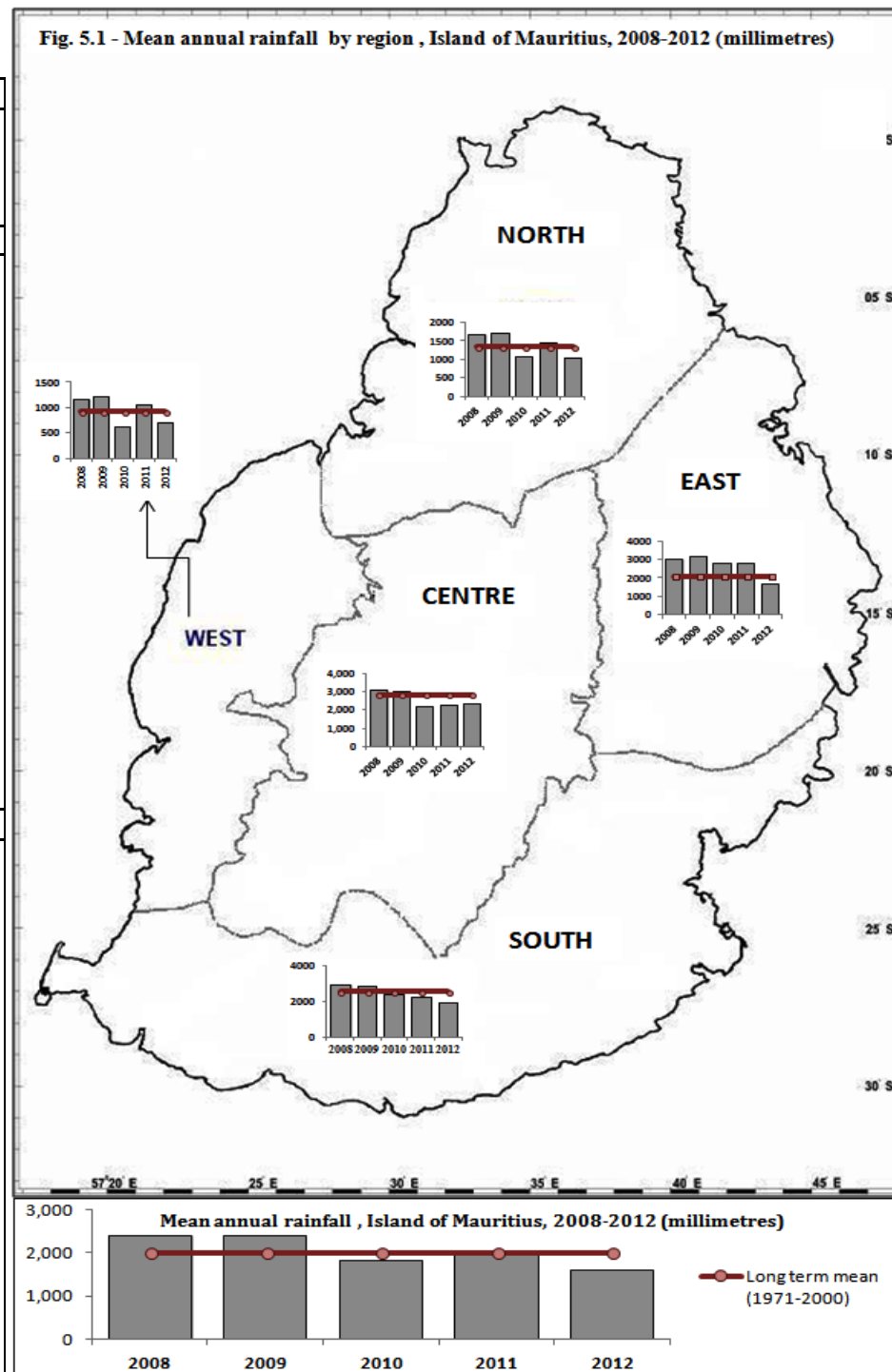
Period	Long Term Mean (1971-2000)	2008		2009		2010		2011		2012		Long Term Mean (1971-2000)	2008		2009		2010		2011		2012	
		Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean		Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean
<b>Year</b>	<b>1,341</b>	<b>1646</b>	<b>123</b>	<b>1692</b>	<b>126</b>	<b>1061</b>	<b>79</b>	<b>1435</b>	<b>107</b>	<b>1031</b>	<b>77</b>	<b>2,559</b>	<b>2942</b>	<b>115</b>	<b>2827</b>	<b>111</b>	<b>2400</b>	<b>94</b>	<b>2210</b>	<b>86</b>	<b>1872</b>	<b>73</b>
Jan	186	211	114	192	103	216	116	188	101	73	39	290	291	100	274	94	422	146	223	77	88	30
Feb	245	148	60	239	98	146	60	241	98	146	59	366	353	97	310	85	461	126	438	120	272	74
Mar	161	461	286	251	156	186	116	373	232	260	162	325	477	147	368	113	389	120	365	112	358	110
Apr	165	24	14	136	82	75	45	72	44	146	88	280	65	23	347	124	248	89	63	22	297	106
May	107	146	136	79	74	79	74	88	82	102	95	212	524	247	257	121	139	66	116	55	186	88
Jun	72	137	190	58	81	39	54	123	171	48	67	157	201	128	166	106	75	48	171	109	73	46
Jul	73	76	104	78	107	82	112	58	79	73	100	180	140	78	217	120	208	116	138	77	135	75
Aug	68	37	54	95	140	105	154	115	169	27	40	180	109	61	149	83	175	97	208	116	85	47
Sep	44	269	611	51	116	29	66	13	30	20	45	112	385	344	83	74	80	71	58	52	75	67
Oct	41	29	70	148	360	20	49	7	17	18	44	96	89	93	266	277	80	83	77	80	60	63
Nov	47	57	122	133	282	72	153	34	72	35	74	110	236	215	181	165	105	95	92	84	87	79
Dec	132	51	38	233	176	12	9	123	93	83	63	249	72	29	208	84	18	7	261	105	156	63
<b>Year</b>	<b>2,065</b>	<b>3001</b>	<b>145</b>	<b>3153</b>	<b>153</b>	<b>2757</b>	<b>134</b>	<b>2797</b>	<b>135</b>	<b>1679</b>	<b>81</b>	<b>919</b>	<b>1155</b>	<b>126</b>	<b>1207</b>	<b>132</b>	<b>610</b>	<b>66</b>	<b>1051</b>	<b>114</b>	<b>684</b>	<b>74</b>
Jan	260	291	112	205	79	524	202	480	184	107	41	167	171	102	222	132	115	69	288	172	74	44
Feb	336	287	85	366	109	624	186	396	118	192	57	219	114	52	122	56	221	101	223	102	110	50
Mar	243	714	294	544	224	417	172	582	240	323	133	112	272	242	153	137	124	111	157	140	170	151
Apr	245	77	31	315	128	173	71	96	39	234	96	97	12	12	110	113	36	37	3	3	99	102
May	180	306	170	252	140	206	114	164	91	201	112	56	89	159	45	81	19	34	91	163	70	126
Jun	123	184	150	114	93	73	59	203	165	93	75	33	85	254	21	63	6	18	101	304	14	42
Jul	116	173	149	203	175	210	181	142	122	121	104	25	22	89	14	57	29	116	10	40	15	60
Aug	114	104	91	214	188	229	201	278	244	105	92	26	13	49	24	93	29	112	51	196	17	65
Sep	79	444	561	127	160	77	97	74	94	45	57	20	243	1215	15	75	12	60	3	15	11	55
Oct	74	82	111	326	440	45	61	103	139	31	42	18	8	46	195	1081	1	5	1	6	17	94
Nov	86	200	232	234	272	160	186	53	62	74	86	31	76	247	178	574	11	35	59	190	48	155
Dec	209	139	66	253	121	19	9	226	108	153	73	114	50	44	108	95	7	6	64	56	39	34

Source: Mauritius Meteorological Services

**Table 5.6 - Mean rainfall, 2008 - 2012 (Island of Mauritius) (cont'd)**

		Millimetres									
Period	Long Term Mean (1971-2000)	2008		2009		2010		2011		2012	
		Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean
<b>Centre</b>											
<b>Year</b>	<b>2,790</b>	<b>3,044</b>	<b>109</b>	<b>2,965</b>	<b>106</b>	<b>2,154</b>	<b>77</b>	<b>2,227</b>	<b>80</b>	<b>2,354</b>	<b>84</b>
Jan	354	266	75	387	108	314	89	374	106	107	30
Feb	464	373	80	348	75	435	94	346	74	347	75
Mar	337	663	197	441	131	238	71	384	114	448	133
Apr	293	88	30	250	85	144	49	53	18	364	124
May	210	335	160	234	111	155	74	114	54	287	137
Jun	163	231	142	109	67	97	60	159	98	124	76
Jul	181	194	107	205	113	256	141	110	61	148	82
Aug	192	95	50	166	87	234	122	204	106	115	60
Sep	126	386	306	87	70	97	77	71	56	87	69
Oct	102	88	86	296	290	70	69	69	68	93	91
Nov	105	154	147	201	192	95	90	113	108	86	82
Dec	263	171	65	241	92	19	7	230	87	148	56
<b>Whole Island</b>											
<b>Year</b>	<b>2,011</b>	<b>2,381</b>	<b>118</b>	<b>2,390</b>	<b>119</b>	<b>1,806</b>	<b>90</b>	<b>1,945</b>	<b>97</b>	<b>1,609</b>	<b>80</b>
Jan	261	247	95	259	99	318	122	304	116	89	34
Feb	336	260	77	281	84	374	111	330	98	224	67
Mar	242	519	214	352	145	271	112	373	154	329	136
Apr	226	54	24	233	105	138	61	58	26	238	105
May	159	287	180	178	112	120	75	114	72	179	113
Jun	115	170	149	96	84	60	52	151	132	74	65
Jul	120	123	103	147	122	160	133	93	78	106	88
Aug	122	73	60	130	107	156	128	172	141	76	62
Sep	81	346	427	73	90	60	74	44	54	51	63
Oct	70	60	86	245	350	45	64	51	73	47	67
Nov	80	145	181	184	230	89	111	71	89	70	88
Dec	199	97	49	212	107	15	8	184	92	126	63

**Fig. 5.1 - Mean annual rainfall by region, Island of Mauritius, 2008-2012 (millimetres)**



**Table 5.7- Mean rainfall 2008 - 2012, Island of Rodrigues**

Millimetres

Period	Long Term Mean (1971-2000)	2008		2009		2010		2011		2012		Long Term Mean (1971-2000)	2008		2009		2010		2011		2012			
		Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean		Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean		
<b>Year</b>	<b>Oyster Bay</b>											<b>Plaine Corail</b>												
		<b>1,312</b>	<b>1112</b>	<b>85</b>	<b>1132</b>	<b>86</b>	<b>1547</b>	<b>118</b>	<b>1038</b>	<b>79</b>	<b>1121</b>	<b>85</b>		<b>947</b>	<b>1132</b>	<b>120</b>	<b>823</b>	<b>87</b>	<b>1188</b>	<b>126</b>	<b>842</b>	<b>89</b>	<b>853</b>	<b>90</b>
	Jan	173	119	69	84	48	295	170	93	54	188	109	122	111	92	38	31	188	155	75	61	138	113	
	Feb	220	145	66	129	59	221	100	112	51	228	103	168	148	88	125	74	224	133	133	79	208	124	
	Mar	150	60	40	112	75	84	56	156	104	90	60	125	88	70	73	58	85	68	115	92	103	82	
	Apr	132	16	12	93	70	217	164	57	43	59	45	100	21	21	89	89	231	231	48	48	55	55	
	May	85	243	288	165	195	170	201	104	123	88	103	72	117	170	160	232	143	207	59	82	71	98	
	Jun	96	79	82	94	98	102	106	86	90	24	24	62	74	119	55	89	47	76	65	105	21	34	
	Jul	99	126	127	132	134	100	101	105	106	119	121	53	119	225	107	202	49	92	86	161	79	148	
	Aug	79	104	131	106	134	95	120	111	139	56	70	46	62	135	45	98	56	122	82	179	31	68	
	Sep	57	60	105	89	156	17	30	7	12	42	74	32	45	141	66	206	26	81	19	60	22	69	
	Oct	53	93	176	40	76	100	190	82	155	12	22	32	51	159	17	53	29	91	50	156	14	44	
	Nov	84	0	0	24	29	91	108	22	26	42	50	64	214	334	18	28	78	122	10	16	18	28	
Dec	84	67	79	64	76	55	66	103	123	174	208	70	82	117	30	43	32	46	100	142	93	132		
<b>Year</b>	<b>Port Sud Est</b>											<b>Marechal<sup>1/</sup></b>												
		<b>1,022</b>	<b>1460</b>	<b>143</b>	<b>1220</b>	<b>119</b>	<b>1022</b>	<b>1369</b>	<b>1137</b>	<b>111</b>	<b>832</b>	<b>81</b>		<b>1320</b>	<b>1742</b>	<b>132</b>	<b>1353</b>	<b>103</b>	<b>1294</b>	<b>98</b>	<b>1002</b>	<b>76</b>	<b>899</b>	<b>68</b>
	Jan	155	186	120	103	66	155	212	59	38	92	59	156	122	78	74	47	345	221	82	53	130	83	
	Feb	206	210	102	217	105	206	118	209	101	330	160	213	287	135	187	88	276	130	176	82	168	79	
	Mar	128	101	79	124	97	128	37	168	131	139	109	152	0	0	125	82	79	52	156	103	119	78	
	Apr	110	24	22	107	97	110	159	68	62	47	43	152	46	30	76	50	219	144	24	16	55	36	
	May	59	256	434	145	246	59	232	178	302	51	86	99	186	188	200	202	147	148	67	68	61	62	
	Jun	67	91	136	121	181	67	112	76	114	14	20	96	135	141	109	114	45	47	96	100	22	23	
	Jul	57	71	125	144	253	57	88	56	98	42	73	92	154	167	232	252	0	0	147	159	127	138	
	Aug	56	115	205	67	120	56	139	84	150	26	46	80	124	155	107	134	0	0	57	71	48	59	
	Sep	34	59	174	70	206	34	32	10	30	14	41	53	125	236	104	196	0	0	26	49	29	55	
	Oct	35	72	206	32	91	35	126	96	273	7	19	55	72	131	36	65	92	167	51	92	0	0	
	Nov	50	179	358	29	58	50	86	20	40	2	5	89	323	363	43	48	70	79	24	27	9	10	
Dec	65	96	148	61	94	65	28	113	174	70	107	83	168	202	60	72	21	25	96	116	131	158		

1/ Marechal became operational anew in 2007

Source: Mauritius Meteorological Services

**Table 5.7 - Mean rainfall 2008 - 2012, *Island of Rodrigues (cont'd)***

*Millimetres*

Period	Long Term Mean	2008		2009		2010		2011		2012		Long Term Mean	2008		2009		2010		2011		2012	
		Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean		Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean
	(1971-2000)	<b>Solitude</b>										(1981-2000)	<b>Mourouk</b>									
<b>Year</b>	<b>1,475</b>	<b>1385</b>	<b>94</b>	<b>1145</b>	<b>78</b>	<b>1357</b>	<b>92</b>	<b>1165</b>	<b>79</b>	<b>1082</b>	<b>73</b>	<b>1,029</b>	<b>1382</b>	<b>134</b>	<b>1175</b>	<b>114</b>	<b>1420</b>	<b>138</b>	<b>1229</b>	<b>119</b>	<b>931</b>	<b>90</b>
Jan	160	148	93	79	294	199	124	103	64	130	81	160	187	117	112	70	399	249	67	42	86	54
Feb	268	184	69	160	121	209	78	133	50	260	97	181	205	113	219	121	244	135	218	120	370	204
Mar	165	90	55	122	38	104	63	139	84	105	63	142	84	59	119	84	54	38	207	145	125	88
Apr	151	23	15	98	384	238	158	49	32	59	39	137	29	21	139	101	200	146	79	57	53	39
May	100	207	207	144	183	151	151	132	132	97	97	61	229	375	109	179	151	248	154	251	54	89
Jun	101	127	126	96	54	68	67	89	88	14	14	59	82	139	107	181	83	141	73	124	24	40
Jul	114	116	102	149	43	90	79	122	106	115	100	60	53	88	126	210	69	115	101	168	66	110
Aug	93	103	111	76	90	88	95	129	139	0	0	50	97	194	50	100	85	170	92	182	42	83
Sep	65	73	112	84	104	14	22	5	8	39	61	31	77	248	70	226	11	35	5	16	24	78
Oct	62	88	142	45	28	93	150	94	152	0	0	35	48	137	31	89	53	151	86	243	7	18
Nov	93	137	147	35	83	72	78	19	20	50	54	59	180	305	35	59	50	85	12	20	7	12
Dec	103	89	86	57	755	31	30	151	146	213	207	53	111	209	58	109	21	40	135	255	74	140
	(1982-2000)	<b>Citronelle</b>										(1993-2000)	<b>Baie Topaze</b>									
<b>Year</b>	<b>1,532</b>	<b>1891</b>	<b>123</b>	<b>1338</b>	<b>87</b>	<b>1700</b>	<b>111</b>	<b>1343</b>	<b>88</b>	<b>1283</b>	<b>84</b>	<b>1,123</b>	<b>1071</b>	<b>95</b>	<b>787</b>	<b>70</b>	<b>996</b>	<b>89</b>	<b>953</b>	<b>85</b>	<b>874</b>	<b>78</b>
Jan	183	189	103	125	68	289	158	122	66	282	154	173	89	51	44	25	191	110	71	41	129	75
Feb	236	214	91	200	85	248	105	161	68	215	91	192	171	89	74	39	168	88	138	72	191	99
Mar	171	105	61	143	84	120	70	171	100	109	64	153	77	50	50	33	72	47	142	93	112	73
Apr	170	35	21	114	67	247	145	62	37	82	48	114	19	17	76	67	184	161	48	42	59	52
May	99	223	225	173	175	143	144	129	131	120	121	61	111	182	155	254	138	226	57	93	61	100
Jun	104	186	179	16	15	82	79	103	99	25	24	79	63	80	65	82	0	0	81	102	33	42
Jul	118	151	128	186	158	131	111	189	160	143	121	61	90	148	114	187	61	100	91	149	91	150
Aug	103	139	135	116	113	95	92	105	102	62	60	66	73	111	64	97	50	76	86	130	52	79
Sep	75	114	152	98	131	24	32	6	7	0	0	39	68	174	70	179	9	23	26	65	30	77
Oct	76	102	134	52	68	146	192	127	168	0	0	49	53	108	21	43	40	82	69	141	11	23
Nov	115	281	244	47	41	128	111	23	20	52	45	81	193	238	14	17	63	78	23	28	19	24
Dec	82	152	185	68	83	47	57	145	176	194	235	55	64	116	40	73	20	36	121	220	85	154

Table 5.7 - Mean rainfall 2008 - 2012, Island of Rodrigues (cont'd)

Millimetres

Period	Long Term Mean (1971-2000)	2008		2009		2010		2011		2012	
		Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean
<b>Year</b>	<b>1,105</b>	<b>1,055</b>	<b>95</b>	<b>948</b>	<b>86</b>	<b>1,142</b>	<b>103</b>	<b>834</b>	<b>76</b>	<b>1,040</b>	<b>94</b>
Jan	150	134	89	69	46	208	139	90	60	213	142
Feb	185	147	79	130	70	169	91	85	46	227	123
Mar	131	77	59	103	79	69	53	109	83	86	66
Apr	117	21	18	82	70	214	183	43	37	50	43
May	78	157	201	122	156	144	185	73	93	79	101
Jun	78	88	113	87	112	46	59	69	89	21	27
Jul	81	41	51	106	131	76	94	65	80	105	130
Aug	59	88	149	75	127	67	114	99	167	37	62
Sep	44	50	114	65	148	16	36	9	21	41	94
Oct	41	65	159	32	78	46	112	71	174	11	27
Nov	70	134	189	32	45	50	70	18	26	34	49
Dec	71	53	76	45	64	37	53	103	145	137	193

Source: Mauritius Meteorological Services

Fig. 5.2 - Mean annual rainfall by region 2008-2012, Island of Rodrigues

Millimetres

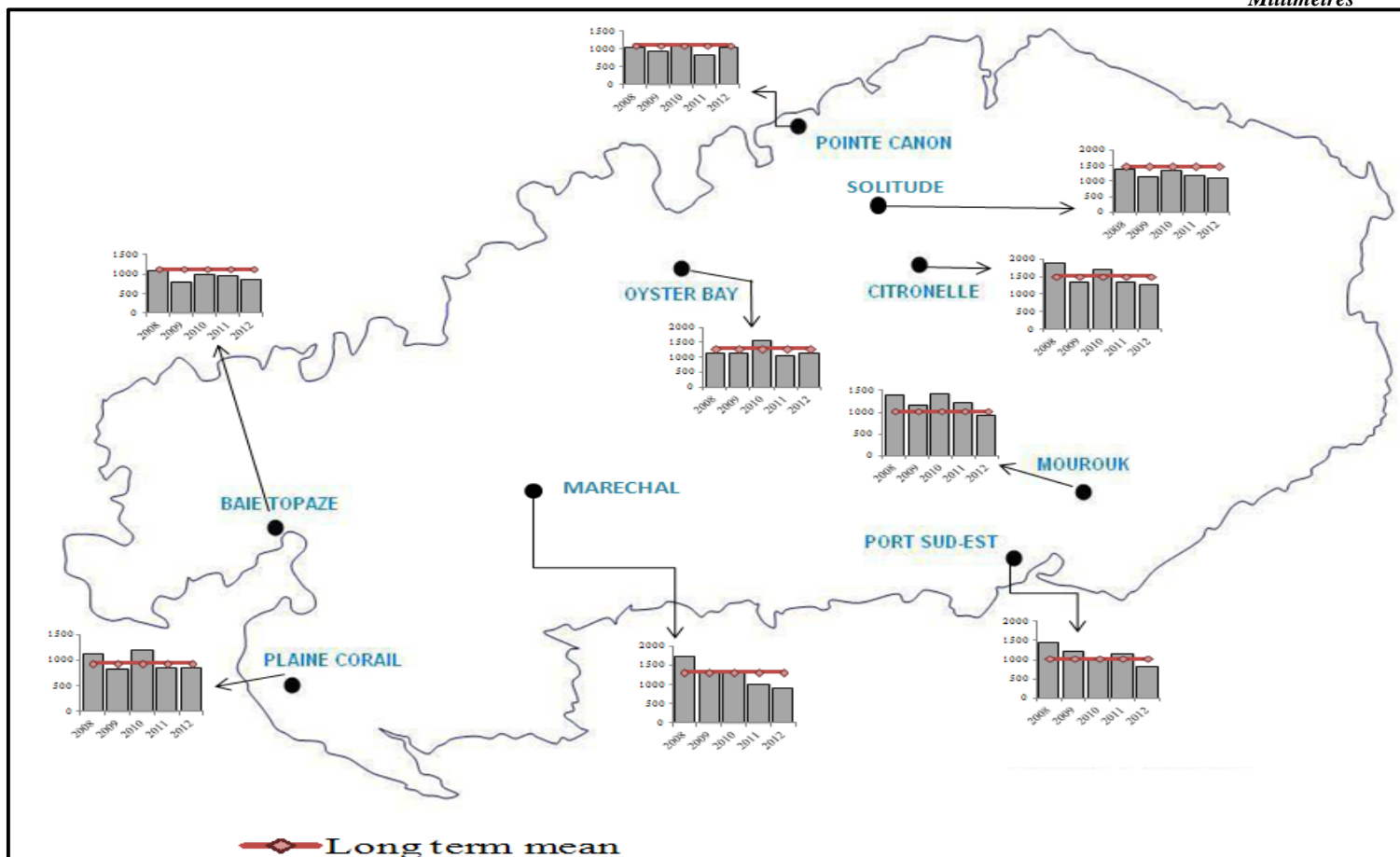


Table 5.8- Percentage of water level by month and reservoir, 2008 - 2012 (Island of Mauritius)

Period	Average for 1990-1999 (%)	2008			2009			2010			2011			2012		
		Mean (%)	Min. (%)	Max. (%)	Mean (%)	Min. (%)	Max. (%)	Mean (%)	Min. (%)	Max. (%)	Mean (%)	Min. (%)	Max. (%)	Mean (%)	Min. (%)	Max. (%)
<b>Mare aux Vacoas (Capacity 25.89 Mm<sup>3</sup>)</b>																
Jan	60	37	34	40	67	64	69	72	69	77	37	34	41	25	24	27
Feb	65	42	36	50	69	65	71	88	76	<b>98</b>	41	37	44	27	23	30
Mar	80	58	48	78	76	70	81	<b>96</b>	<b>95</b>	<b>97</b>	46	42	49	38	33	49
Apr	83	74	70	78	82	78	86	<b>94</b>	<b>91</b>	<b>96</b>	46	42	49	62	51	76
May	83	74	65	83	88	84	<b>93</b>	86	83	<b>91</b>	39	36	42	86	77	<b>90</b>
Jun	81	86	84	88	89	86	<b>92</b>	78	74	83	34	33	35	89	87	<b>90</b>
Jul	79	86	83	88	85	83	88	75	74	77	32	31	33	86	85	88
Aug	80	86	82	89	<b>90</b>	88	<b>91</b>	79	78	82	35	31	36	83	81	85
Sep	78	85	79	<b>93</b>	84	79	89	80	75	83	35	33	36	78	76	81
Oct	72	<b>90</b>	85	<b>93</b>	75	70	79	72	67	76	32	30	33	72	68	75
Nov	63	78	72	84	78	76	80	60	55	67	28	26	30	64	60	68
Dec	58	69	65	74	72	66	76	48	41	55	27	26	27	55	52	59
<b>La Nicoliere (Capacity 5.26 Mm<sup>3</sup>)</b>																
Jan	63	55	40	63	<b>98</b>	89	<b>100</b>	<b>91</b>	70	<b>100</b>	56	48	78	75	56	87
Feb	75	75	47	<b>100</b>	<b>100</b>	<b>99</b>	<b>100</b>	<b>97</b>	86	<b>100</b>	<b>95</b>	81	<b>100</b>	64	44	78
Mar	<b>91</b>	<b>99</b>	<b>94</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>94</b>	87	<b>99</b>	<b>98</b>	<b>91</b>	<b>100</b>	<b>97</b>	81	<b>100</b>
Apr	<b>92</b>	81	47	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>90</b>	84	<b>93</b>	<b>99</b>	<b>90</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
May	<b>95</b>	54	36	89	<b>100</b>	<b>98</b>	<b>100</b>	86	78	<b>93</b>	70	49	87	<b>100</b>	<b>100</b>	<b>100</b>
Jun	<b>94</b>	<b>100</b>	<b>92</b>	<b>100</b>	<b>97</b>	<b>92</b>	<b>100</b>	77	68	<b>90</b>	53	39	72	<b>100</b>	<b>98</b>	<b>100</b>
Jul	<b>93</b>	<b>100</b>	<b>99</b>	<b>100</b>	74	64	<b>91</b>	84	73	<b>100</b>	76	73	81	<b>97</b>	89	<b>100</b>
Aug	<b>94</b>	<b>100</b>	<b>96</b>	<b>100</b>	<b>99</b>	89	<b>100</b>	82	68	<b>100</b>	<b>92</b>	73	<b>100</b>	<b>94</b>	80	<b>100</b>
Sep	89	<b>92</b>	81	<b>100</b>	<b>94</b>	77	<b>100</b>	81	68	<b>97</b>	89	66	<b>100</b>	55	42	78
Oct	69	<b>97</b>	82	<b>100</b>	73	64	<b>96</b>	70	67	73	59	49	63	61	55	64
Nov	46	68	64	80	<b>98</b>	89	<b>100</b>	78	70	87	65	62	67	57	39	63
Dec	39	80	70	87	70	59	<b>93</b>	70	53	85	73	66	84	41	39	44
<b>Piton du Milieu (Capacity 2.99 Mm<sup>3</sup>)</b>																
Jan	64	47	44	49	<b>94</b>	76	<b>100</b>	<b>95</b>	89	<b>100</b>	34	30	43	70	66	73
Feb	72	73	52	<b>100</b>	<b>100</b>	<b>99</b>	<b>100</b>	<b>100</b>	<b>98</b>	<b>100</b>	69	44	<b>98</b>	81	64	<b>100</b>
Mar	88	<b>100</b>	<b>98</b>	<b>100</b>	<b>99</b>	<b>99</b>	<b>100</b>	<b>99</b>	<b>99</b>	<b>100</b>	<b>99</b>	<b>99</b>	<b>100</b>	<b>99</b>	<b>97</b>	<b>100</b>
Apr	89	<b>97</b>	<b>92</b>	<b>100</b>	<b>99</b>	<b>99</b>	<b>100</b>	<b>96</b>	<b>93</b>	<b>99</b>	<b>95</b>	88	<b>99</b>	<b>100</b>	<b>99</b>	<b>100</b>
May	<b>91</b>	<b>93</b>	84	<b>100</b>	<b>98</b>	<b>97</b>	<b>100</b>	<b>90</b>	87	<b>94</b>	82	76	88	<b>99</b>	<b>98</b>	<b>100</b>
Jun	86	<b>99</b>	<b>99</b>	<b>100</b>	<b>94</b>	89	<b>98</b>	82	75	88	74	72	76	<b>97</b>	<b>94</b>	<b>99</b>
Jul	83	<b>97</b>	<b>94</b>	<b>100</b>	85	81	89	74	72	77	72	71	74	<b>95</b>	<b>93</b>	<b>97</b>
Aug	83	<b>96</b>	<b>90</b>	<b>100</b>	<b>97</b>	<b>90</b>	<b>99</b>	85	78	<b>97</b>	85	73	<b>92</b>	88	82	<b>93</b>
Sep	81	<b>92</b>	83	<b>100</b>	<b>93</b>	85	<b>98</b>	<b>96</b>	<b>90</b>	<b>99</b>	<b>90</b>	87	<b>92</b>	75	68	82
Oct	73	<b>96</b>	89	<b>99</b>	79	73	85	82	72	<b>90</b>	83	77	86	60	51	68
Nov	60	80	72	89	<b>90</b>	85	<b>94</b>	62	54	71	70	63	77	43	37	51
Dec	57	81	76	85	88	81	<b>93</b>	45	37	54	65	57	70	31	26	37

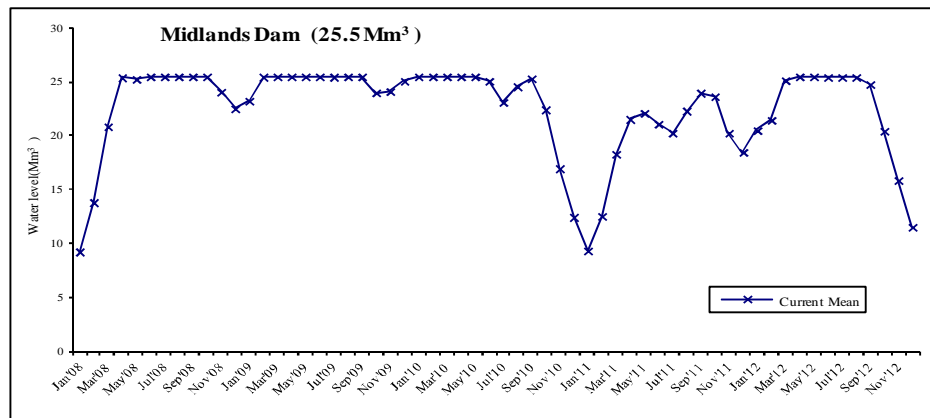
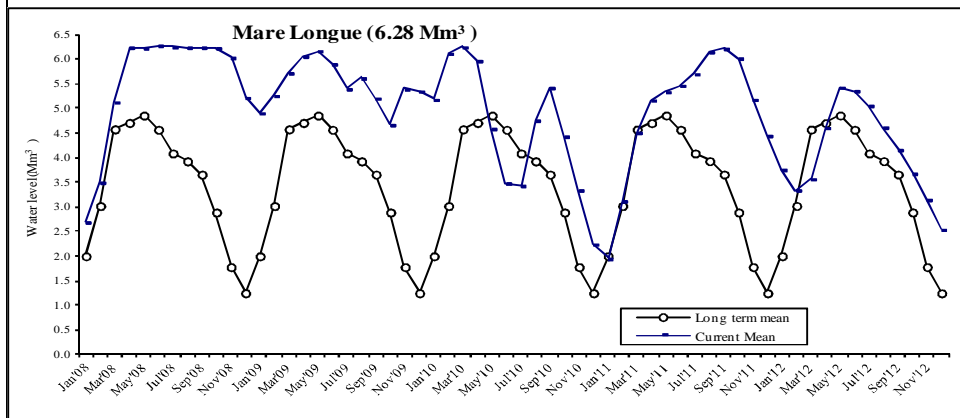
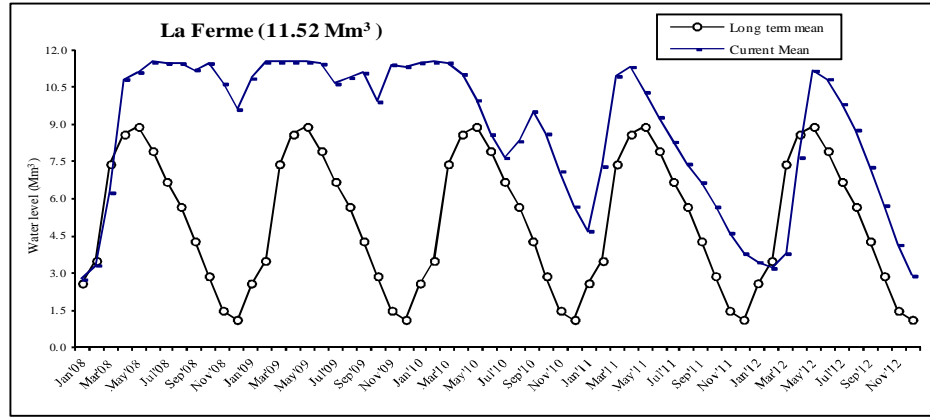
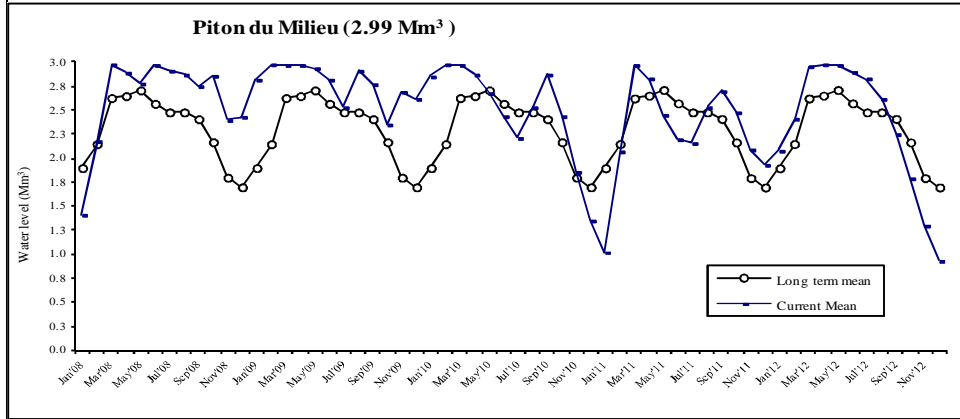
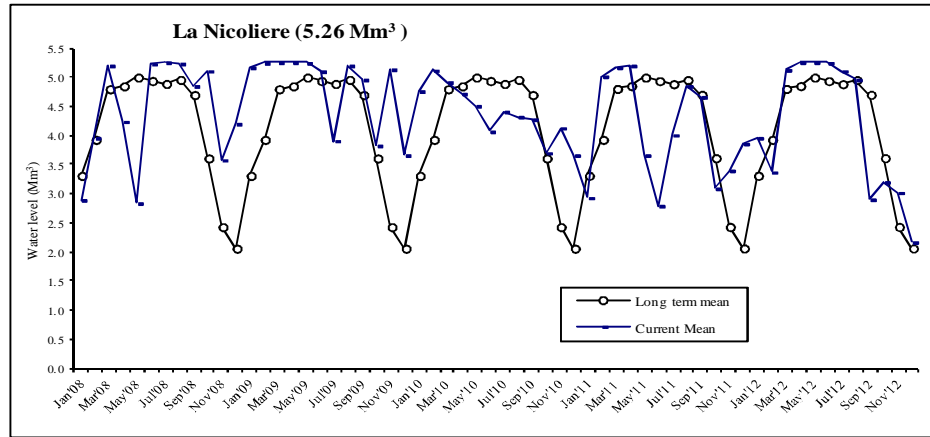
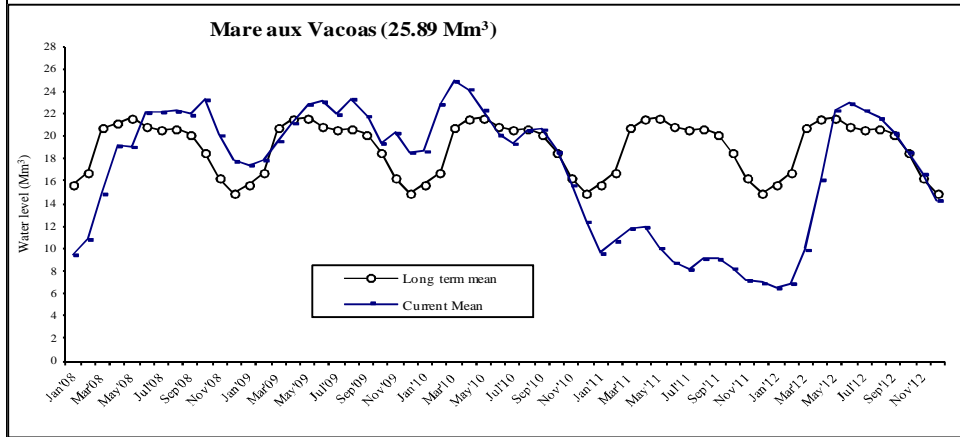
Source : Water Resources Unit, Ministry of Public Utilities

Table 5.8 - Percentage of water level by month and reservoir, 2008 - 2012 (Island of Mauritius) (cont'd)

Period	Average for 1990-1999 (%)	2008			2009			2010			2011			2012			
		Mean (%)	Min. (%)	Max. (%)	Mean (%)	Min. (%)	Max. (%)	Mean (%)	Min. (%)	Max. (%)	Mean (%)	Min. (%)	Max. (%)	Mean (%)	Min. (%)	Max. (%)	
<b>La Ferme (Capacity 11.52 Mm<sup>3</sup>)</b>																	
Jan	23	24	21	26	94	81	100	100	98	100	41	38	47	30	27	32	
Feb	30	29	22	41	100	100	100	100	100	100	64	49	82	28	26	29	
Mar	64	54	42	81	100	100	100	100	99	100	95	83	100	33	30	42	
Apr	75	94	83	98	100	100	100	96	93	100	98	93	100	67	44	86	
May	77	97	91	100	100	100	100	87	81	92	90	83	94	97	87	100	
Jun	69	100	100	100	99	98	100	75	69	81	81	79	83	94	91	99	
Jul	58	100	99	100	93	89	97	67	66	69	72	66	79	85	81	91	
Aug	49	100	98	100	95	90	99	72	68	81	64	61	66	76	70	81	
Sep	37	97	93	100	96	93	99	83	81	84	58	54	61	63	57	70	
Oct	25	100	98	100	86	81	92	75	68	81	49	45	54	50	42	57	
Nov	13	92	87	98	99	90	100	62	57	68	40	36	45	36	31	42	
Dec	10	84	80	88	99	94	100	50	43	56	33	31	36	25	21	30	
<b>Mare Longue (Capacity 6.28 Mm<sup>3</sup>)</b>																	
Jan	32	43	41	45	78	77	79	83	79	90	31	29	38	60	54	66	
Feb	48	56	46	69	84	77	88	97	91	100	50	38	62	53	50	55	
Mar	73	82	69	100	91	86	97	100	99	100	72	62	80	57	54	63	
Apr	75	99	99	100	97	94	100	95	86	100	82	81	83	73	65	82	
May	77	99	98	100	98	96	99	73	64	85	85	83	86	86	83	89	
Jun	73	100	100	100	94	89	99	55	51	63	87	85	90	85	84	88	
Jul	65	100	99	100	86	84	89	55	50	65	91	89	92	81	77	83	
Aug	63	99	99	100	89	88	91	76	66	86	98	93	100	74	70	77	
Sep	58	99	99	100	83	78	87	86	77	91	99	98	99	66	63	70	
Oct	46	99	98	100	74	69	81	71	63	76	96	90	98	59	54	63	
Nov	28	96	90	98	86	82	89	53	45	62	82	75	89	50	46	54	
Dec	20	83	78	91	85	74	92	36	29	44	71	66	76	40	36	45	
<b>All reservoirs, excluding Midlands Dam (Capacity 51.94 Mm<sup>3</sup>)</b>																	
Jan	49	37	34	39	79	73	82	83	79	87	39	36	44	38	34	41	
Feb	56	46	36	58	83	80	84	94	87	98	54	45	63	37	32	42	
Mar	77	66	58	85	87	83	90	97	96	98	68	62	72	49	44	57	
Apr	82	84	78	86	91	88	93	94	91	97	70	66	72	71	59	83	
May	83	81	73	90	94	91	97	85	80	91	61	56	65	91	84	94	
Jun	79	93	91	94	93	90	96	75	70	81	55	52	56	91	90	93	
Jul	75	93	91	94	86	83	89	71	70	76	55	53	56	87	85	90	
Aug	73	93	89	94	92	89	93	78	74	84	58	53	60	82	77	85	
Sep	68	90	85	96	88	82	92	82	77	86	56	52	59	71	67	77	
Oct	58	94	89	96	77	72	83	73	67	77	49	47	52	64	59	67	
Nov	46	82	77	89	87	84	88	62	57	67	43	40	46	54	48	59	
Dec	41	76	73	79	80	74	86	49	41	57	40	39	41	44	41	48	
<b>Midlands Dam (Capacity 25.5 Mm<sup>3</sup>)</b>																	
Jan	Impounding of reservoir started on 13 September 2002	36	33	39	91	81	98	100	100	100	37	33	41	80	79	82	
Feb		54	42	69	100	99	100	100	100	100	49	39	59	84	80	90	
Mar		82	70	100	100	100	100	100	100	100	72	59	82	99	92	100	
Apr		100	99	100	100	100	100	100	100	100	84	82	86	100	100	100	
May		99	96	100	100	100	100	100	100	100	87	86	88	100	100	100	
Jun		100	100	100	100	100	100	100	98	95	100	83	81	86	100	99	100
Jul		100	100	100	100	100	99	100	91	88	94	79	79	81	100	99	100
Aug		100	100	100	100	100	100	100	96	91	100	87	80	92	100	100	100
Sep		100	100	100	100	100	100	100	99	96	100	94	92	95	97	91	100
Oct		100	100	100	100	94	89	100	88	78	96	93	88	96	80	71	90
Nov		94	87	100	100	95	92	97	67	57	78	80	72	87	62	56	70
Dec		88	82	96	98	95	95	100	49	41	57	72	66	78	45	37	55

Source : Water Resources Unit, Ministry of Public Utilities

**Fig. 5.3 - Water level in each reservoir, 2008 - 2012 (Island of Mauritius)**



Note: Impounding of Midlands Dam started in September 2002



Table 5.9 - Average monthly potable water production from treatment plants and boreholes to distribution systems, 2008 - 2012 (Island of Mauritius)

Mm<sup>3</sup>

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
Mm <sup>3</sup>																							
<b>2008</b>	<b>37.9</b>	<b>6.6</b>	<b>44.5</b>	-	<b>28.8</b>	<b>28.8</b>	<b>21.8</b>	<b>12.8</b>	<b>34.6</b>	<b>22.6</b>	<b>25.2</b>	<b>47.6</b>	<b>9.6</b>	<b>16.2</b>	<b>25.8</b>	<b>10.5</b>	<b>17.6</b>	<b>28.1</b>	<b>102.2</b>	<b>107.2</b>	<b>209.4</b>	<b>49%</b>	<b>51%</b>
Jan	2.6	0.4	3.0	-	2.1	2.1	1.7	0.8	2.5	2.0	1.9	3.9	0.8	1.4	2.2	0.6	1.4	2.0	7.7	8.0	15.7	49%	51%
Feb	2.4	0.7	3.1	-	2.1	2.1	1.8	0.9	2.7	1.6	1.9	3.5	0.8	1.3	2.1	0.6	1.3	1.9	7.2	8.2	15.4	47%	53%
Mar	2.6	0.5	3.1	-	2.5	2.5	1.7	1.1	2.8	1.8	2.1	3.9	0.9	1.4	2.3	0.8	1.5	2.3	7.8	9.1	16.9	46%	54%
Apr	2.8	0.6	3.4	-	2.6	2.6	1.9	1.1	3.0	1.6	2.2	3.8	0.7	1.3	2.0	0.8	1.5	2.3	7.8	9.3	17.1	46%	54%
May	2.9	0.5	3.4	-	2.6	2.6	2.0	1.1	3.1	1.7	2.2	3.9	0.8	1.3	2.1	0.8	1.5	2.3	8.2	9.2	17.4	47%	53%
Jun	3.0	0.6	3.6	-	2.5	2.5	1.8	1.0	2.8	1.8	2.1	3.7	0.8	1.3	2.1	0.8	1.4	2.2	8.0	8.9	16.9	47%	53%
Jul	3.4	0.6	4.0	-	2.6	2.6	1.9	0.9	2.8	1.7	2.2	3.9	0.8	1.4	2.2	0.8	1.5	2.3	8.6	9.2	17.8	48%	52%
Aug	3.5	0.6	4.1	-	2.6	2.6	1.8	0.9	2.7	2.1	2.1	4.2	0.8	1.4	2.2	1.5	1.5	3.0	9.7	9.1	18.8	52%	48%
Sep	3.6	0.5	4.1	-	2.5	2.5	1.7	0.9	2.6	2.1	2.2	4.3	0.8	1.3	2.1	1.5	1.5	3.0	9.7	8.9	18.6	52%	48%
Oct	3.8	0.6	4.4	-	2.7	2.7	1.8	1.0	2.8	2.1	2.2	4.3	0.8	1.4	2.2	0.8	1.5	2.3	9.3	9.4	18.7	50%	50%
Nov	3.6	0.5	4.1	-	2.1	2.1	1.8	1.0	2.8	2.0	2.0	4.0	0.8	1.3	2.1	0.7	1.5	2.2	8.9	8.4	17.3	51%	49%
Dec	3.7	0.5	4.2	-	1.9	1.9	1.9	2.1	4.0	2.1	2.1	4.2	0.8	1.4	2.2	0.8	1.5	2.3	9.3	9.5	18.8	49%	51%
<b>2009</b>	<b>42.4</b>	<b>6.3</b>	<b>48.9</b>	-	<b>30.5</b>	<b>30.5</b>	<b>21.7</b>	<b>12.6</b>	<b>34.3</b>	<b>25.0</b>	<b>25.7</b>	<b>50.7</b>	<b>9.7</b>	<b>16.0</b>	<b>25.7</b>	<b>10.2</b>	<b>19.3</b>	<b>29.5</b>	<b>109.2</b>	<b>110.4</b>	<b>219.6</b>	<b>50%</b>	<b>50%</b>
Jan	3.6	0.6	4.4	-	2.7	2.7	1.7	1.1	2.8	2.1	2.1	4.2	0.8	1.4	2.2	0.8	1.5	2.3	9.2	9.4	18.6	49%	51%
Feb	3.4	0.5	3.9	-	2.3	2.3	1.7	1.0	2.7	1.9	1.9	3.8	0.8	1.2	2.0	0.8	1.4	2.2	8.6	8.3	16.9	51%	49%
Mar	3.8	0.6	4.4	-	2.6	2.6	1.8	1.1	2.9	2.1	2.2	4.3	0.8	1.4	2.2	0.8	1.6	2.4	9.3	9.5	18.8	49%	51%
Apr	3.7	0.5	4.2	-	2.5	2.5	1.9	1.1	3.0	2.1	2.2	4.3	0.8	1.3	2.1	0.8	1.5	2.3	9.3	9.1	18.4	51%	49%
May	3.5	0.6	4.1	-	2.6	2.6	1.9	1.0	2.9	2.2	2.3	4.5	0.9	1.4	2.3	0.9	1.6	2.5	9.4	9.5	18.9	50%	50%
Jun	3.4	0.5	3.9	-	2.6	2.6	1.7	0.9	2.6	2.1	2.2	4.3	0.8	1.3	2.1	0.8	1.6	2.4	8.8	9.1	17.9	49%	51%
Jul	3.6	0.5	4.1	-	2.5	2.5	1.8	1.0	2.8	2.1	2.2	4.3	0.8	1.4	2.2	0.8	1.6	2.4	9.1	9.2	18.3	50%	50%
Aug	3.6	0.5	4.1	-	2.6	2.6	1.9	1.0	2.9	2.1	2.3	4.4	0.8	1.4	2.2	0.9	1.7	2.6	9.3	9.5	18.8	49%	51%
Sep	3.5	0.5	4.0	-	2.5	2.5	1.8	0.9	2.7	2.0	2.1	4.1	0.8	1.2	2.0	0.9	1.7	2.6	9.0	8.9	17.9	50%	50%
Oct	3.4	0.5	3.9	-	2.5	2.5	1.9	1.0	2.9	2.1	2.1	4.2	0.8	1.3	2.1	0.9	1.7	2.6	9.1	9.1	18.2	50%	50%
Nov	3.3	0.5	3.8	-	2.5	2.5	1.8	1.3	3.1	2.0	2.0	4.0	0.8	1.3	2.1	0.9	1.7	2.6	8.8	9.3	18.1	49%	51%
Dec	3.6	0.5	4.1	-	2.6	2.6	1.8	1.2	3.0	2.2	2.1	4.3	0.8	1.4	2.2	0.9	1.7	2.6	9.3	9.5	18.8	49%	51%

Source: Central Water Authority

**Table 5.9 - Average monthly potable water production from treatment plants and boreholes to distribution systems, 2008 - 2012 (Island of Mauritius ) (cont'd)**

Mm<sup>3</sup>

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
	Mm <sup>3</sup>																						
<b>2010</b>	<b>41.2</b>	<b>6.3</b>	<b>47.5</b>	-	<b>30.2</b>	<b>30.2</b>	<b>21.6</b>	<b>13.8</b>	<b>35.4</b>	<b>25.6</b>	<b>25.7</b>	<b>51.3</b>	<b>10.3</b>	<b>16.3</b>	<b>26.6</b>	<b>10.4</b>	<b>22.0</b>	<b>32.4</b>	<b>109.1</b>	<b>114.3</b>	<b>223.4</b>	<b>49%</b>	<b>51%</b>
Jan	3.6	0.5	4.1	-	2.7	2.7	1.8	1.2	3.0	2.2	2.1	4.3	0.8	1.4	2.2	0.9	1.9	2.8	9.3	9.8	19.1	49%	51%
Feb	3.2	0.5	3.7	-	2.0	2.0	1.5	1.1	2.6	2.0	1.9	3.9	0.7	1.2	1.9	0.8	1.7	2.5	8.2	8.4	16.6	49%	51%
Mar	3.7	0.6	4.3	-	2.6	2.6	1.8	1.2	3.0	2.1	2.2	4.3	0.9	1.4	2.3	0.9	1.9	2.8	9.4	9.9	19.3	49%	51%
Apr	3.6	0.5	4.1	-	2.5	2.5	1.9	1.2	3.1	2.0	2.2	4.2	0.9	1.3	2.2	0.8	1.8	2.6	9.2	9.5	18.7	49%	51%
May	3.2	0.5	3.7	-	2.6	2.6	1.8	1.6	3.4	1.9	2.3	4.2	0.9	1.4	2.3	0.9	1.9	2.8	8.7	10.3	19.0	46%	54%
Jun	3.7	0.6	4.3	-	2.6	2.6	1.8	1.1	2.9	2.0	2.2	4.2	0.9	1.3	2.2	0.8	1.8	2.6	9.2	9.6	18.8	49%	51%
Jul	3.3	0.6	3.9	-	2.5	2.5	1.9	1.1	3.0	2.0	2.2	4.2	0.9	1.4	2.3	0.9	1.9	2.8	9.0	9.7	18.7	48%	52%
Aug	3.3	0.5	3.8	-	2.6	2.6	1.9	1.1	3.0	2.3	2.3	4.6	0.9	1.4	2.3	0.9	1.9	2.8	9.3	9.8	19.1	49%	51%
Sep	3.3	0.5	3.8	-	2.5	2.5	1.8	1.0	2.8	2.2	2.1	4.3	0.9	1.4	2.3	0.9	1.8	2.7	9.1	9.3	18.4	49%	51%
Oct	3.5	0.5	4.0	-	2.5	2.5	1.9	1.1	3.0	2.3	2.1	4.4	0.9	1.4	2.3	0.9	1.9	2.8	9.5	9.5	19.0	50%	50%
Nov	3.3	0.5	3.8	-	2.5	2.5	1.8	1.1	2.9	2.3	2.0	4.3	0.9	1.3	2.2	0.9	1.7	2.6	9.2	9.1	18.3	50%	50%
Dec	3.5	0.5	4.0	-	2.6	2.6	1.7	1.0	2.7	2.3	2.1	4.4	0.7	1.4	2.1	0.8	1.8	2.6	9.0	9.4	18.4	49%	51%
<b>2011</b>	<b>28.0</b>	<b>6.1</b>	<b>32.7</b>	-	<b>28.7</b>	<b>28.7</b>	<b>21.3</b>	<b>12.5</b>	<b>33.8</b>	<b>25.6</b>	<b>23.9</b>	<b>49.5</b>	<b>9.2</b>	<b>17.7</b>	<b>26.9</b>	<b>9.2</b>	<b>20.4</b>	<b>29.6</b>	<b>93.3</b>	<b>109.3</b>	<b>202.6</b>	<b>46%</b>	<b>54%</b>
Jan	3.1	0.4	3.5	-	2.2	2.2	1.7	1.2	2.9	2.1	1.9	4.0	0.6	1.3	1.9	0.7	1.7	2.4	8.2	8.7	16.9	49%	51%
Feb	2.3	0.6	2.9	-	2.4	2.4	1.6	1.2	2.8	1.9	1.8	3.7	0.7	1.4	2.1	0.6	1.7	2.3	7.1	9.1	16.2	44%	56%
Mar	2.6	0.6	3.2	-	2.8	2.8	1.8	1.2	3.0	2.1	2.1	4.2	0.7	1.7	2.4	0.9	2.0	2.9	8.1	10.4	18.5	44%	56%
Apr	2.9	0.5	3.4	-	2.6	2.6	1.8	1.2	3.0	2.3	2.2	4.5	0.7	1.5	2.2	0.9	1.8	2.7	8.6	9.8	18.4	47%	53%
May	2.5	0.5	3.0	-	2.6	2.6	1.9	1.2	3.1	2.3	2.1	4.4	0.8	1.5	2.3	0.8	1.8	2.6	8.3	9.7	18.0	46%	54%
Jun	1.9	0.5	2.4	-	2.4	2.4	1.7	1.0	2.7	2.0	2.0	4.0	0.8	1.3	2.1	0.7	1.7	2.4	7.1	8.9	16.0	44%	56%
Jul	2.0	0.5	2.5	-	2.4	2.4	1.9	0.9	2.8	2.0	2.1	4.1	0.9	1.7	2.6	0.7	1.8	2.5	7.5	9.4	16.9	44%	56%
Aug	2.2	0.5	2.7	-	2.5	2.5	1.9	0.9	2.8	2.2	2.0	4.2	0.8	1.6	2.4	0.7	1.7	2.4	7.8	9.2	17.0	46%	54%
Sep	1.9	0.5	2.4	-	2.6	2.6	1.8	1.1	2.9	2.2	1.9	4.1	0.8	1.5	2.3	0.7	1.6	2.3	7.4	9.2	16.6	45%	55%
Oct	2.1	0.5	2.6	-	2.2	2.2	1.9	0.9	2.8	2.2	2.0	4.2	0.8	1.5	2.3	0.8	1.5	2.3	7.8	8.6	16.4	48%	52%
Nov	2.1	0.5	2.6	-	1.9	1.9	1.6	1.0	2.6	2.1	1.9	4.0	0.7	1.3	2.0	0.8	1.5	2.3	7.3	8.1	15.4	47%	53%
Dec	2.4	0.5	2.9	-	2.1	2.1	1.7	0.7	2.4	2.2	1.9	4.1	0.9	1.4	2.3	0.9	1.6	2.5	8.1	8.2	16.3	50%	50%

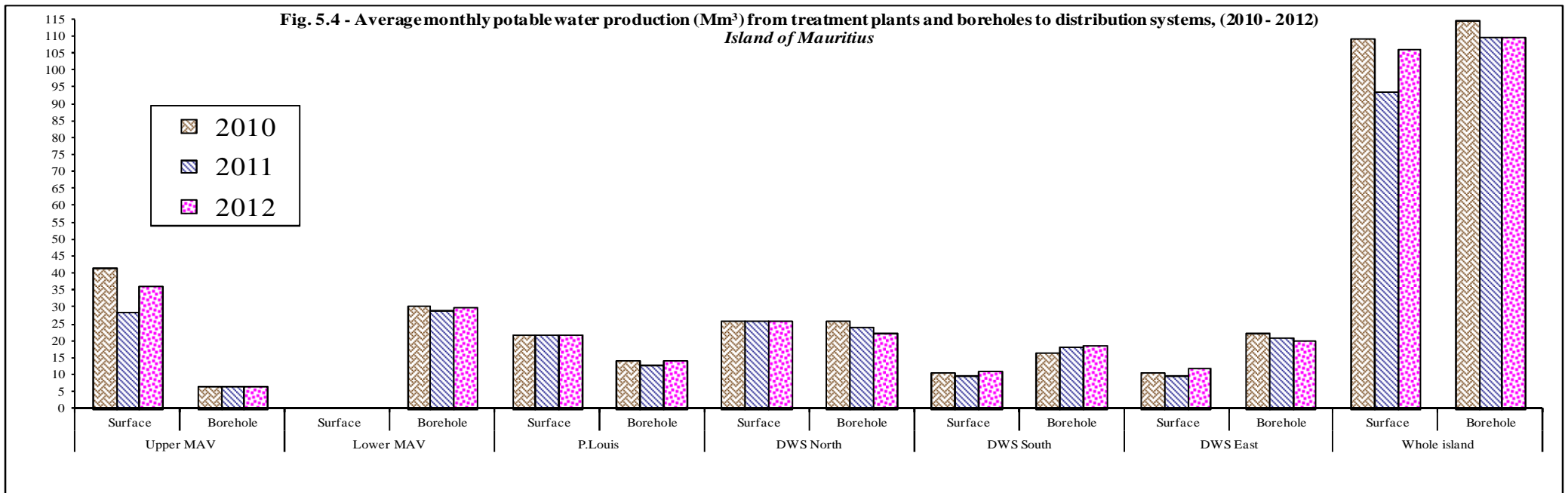
**Table 5.9 - Average monthly potable water production from treatment plants and boreholes to distribution systems, 2008 - 2012 (Island of Mauritius) (cont'd)**

Mm<sup>3</sup>

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	
	Mm <sup>3</sup>																							Surface
<b>2012</b>	<b>36.0</b>	<b>6.2</b>	<b>42.2</b>	-	<b>29.7</b>	<b>29.7</b>	<b>21.6</b>	<b>13.7</b>	<b>35.3</b>	<b>25.7</b>	<b>22.0</b>	<b>47.7</b>	<b>10.7</b>	<b>18.2</b>	<b>28.9</b>	<b>11.7</b>	<b>19.6</b>	<b>31.3</b>	<b>105.7</b>	<b>109.4</b>	<b>215.1</b>	<b>49%</b>	<b>51%</b>	
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	48%	52%	
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%	53%	
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%	54%	
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	45%	55%	
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	48%	52%	
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%	51%	
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%	51%	
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%	50%	
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	52%	48%	
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	51%	49%	
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	53%	47%	
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%	48%	

Source: Central Water Authority

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**Table 5.10 - 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 m <sup>3</sup> )				
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 prizes	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
<b>Sub total</b>	<b>294,776</b>	<b>301,525</b>	<b>310,321</b>	<b>317,830</b>	<b>324,100</b>	<b>93,746</b>	<b>92,622</b>	<b>96,392</b>	<b>98,785</b>	<b>95,000</b>
Vegetable & Livestock producers	3,129	3,281	3,611	3,774	3,915	1,421	1,403	1,455	1,536	1,456
<b>Total potable water</b>	<b>297,905</b>	<b>304,806</b>	<b>313,932</b>	<b>321,604</b>	<b>328,015</b>	<b>95,167</b>	<b>94,025</b>	<b>97,847</b>	<b>100,321</b>	<b>96,456</b>
<b>Total non-treated water (Agriculture/Industrial)</b>	<b>278</b>	<b>286</b>	<b>294</b>	<b>296</b>	<b>311</b>	<b>15,490</b>	<b>14,799</b>	<b>12,419</b>	<b>14,678</b>	<b>16,912</b>
<b>Grand Total</b>	<b>298,183</b>	<b>305,092</b>	<b>314,226</b>	<b>321,900</b>	<b>328,326</b>	<b>110,657</b>	<b>108,824</b>	<b>110,266</b>	<b>114,999</b>	<b>113,369</b>
Type of tariff	Amount collectible Rs.(000)					Average sales price (Rs/m <sup>3</sup> )				
	2007	2008	2009	2010	2011	2007	2008	2009	2010	2011
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 prizes	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
<b>Sub total</b>	<b>953,134</b>	<b>910,515</b>	<b>951,088</b>	<b>985,383</b>	<b>932,809</b>	<b>10.17</b>	<b>9.83</b>	<b>9.87</b>	<b>9.98</b>	<b>9.82</b>
Vegetable & Livestock producers	11,282	11,024	11,735	12,058	11,055	7.94	7.86	8.06	7.85	7.59
<b>Total potable water</b>	<b>964,416</b>	<b>921,539</b>	<b>962,823</b>	<b>997,441</b>	<b>943,864</b>	<b>10.13</b>	<b>9.80</b>	<b>9.84</b>	<b>9.94</b>	<b>9.79</b>
<b>Total non-treated water (Agriculture/Industrial)</b>	<b>41,120</b>	<b>40,316</b>	<b>35,985</b>	<b>38,349</b>	<b>42,269</b>	<b>2.65</b>	<b>2.72</b>	<b>2.90</b>	<b>2.61</b>	<b>2.50</b>
<b>Grand Total</b>	<b>1,005,536</b>	<b>961,855</b>	<b>998,808</b>	<b>1,035,790</b>	<b>986,133</b>	<b>9.09</b>	<b>8.84</b>	<b>9.06</b>	<b>9.01</b>	<b>8.70</b>

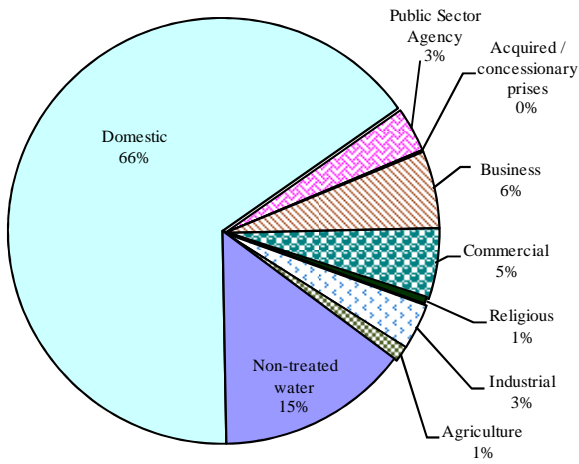
**Table 5.11 - Water sales by tariff<sup>1/</sup> of subscriber, 2012 (Island of Mauritius)**

Type of Tariff	2012				
	No. of consumers	Volume sold (thousand m <sup>3</sup> )	Amount Collectible (Rs 000)	Average sales price per m <sup>3</sup> (Rupees)	Average consumption (m <sup>3</sup> )
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 prizes	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
<b>Sub total</b>	<b>330,605</b>	<b>93,832</b>	<b>1,240,877</b>	<b>13.22</b>	<b>284</b>
Agriculture	3,833	1,367	19,656	14.38	357
<b>Total potable water</b>	<b>334,438</b>	<b>95,199</b>	<b>1,260,532</b>	<b>13.24</b>	<b>285</b>
<b>Total non-treated water (Mainly for Agriculture and Industry)</b>	<b>323</b>	<b>16,122</b>	<b>62,061</b>	<b>3.85</b>	<b>49,914</b>
<b>Grand Total</b>	<b>334,761</b>	<b>111,321</b>	<b>1,322,593</b>	<b>11.88</b>	<b>333</b>

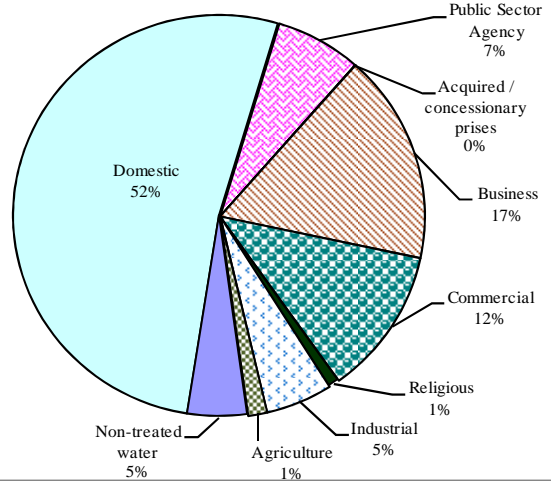
1/ The water supply regulations of 2011, effective as from Jan 2012, changed the tariffs and categories of subscribers. It also created a new category of subscriber, namely 'Business'.

Source: Central Water Authority

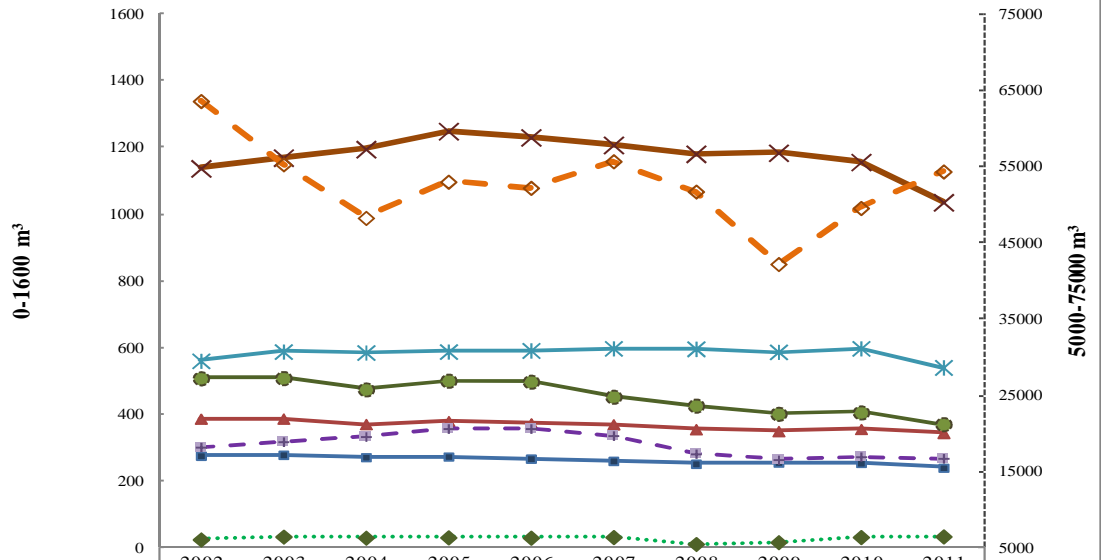
**Fig. 5.5 - Percentage of water sold by tariff of subscriber, 2012**



**Fig. 5.6 - Percentage of amount collectible by tariff of subscriber, 2012**

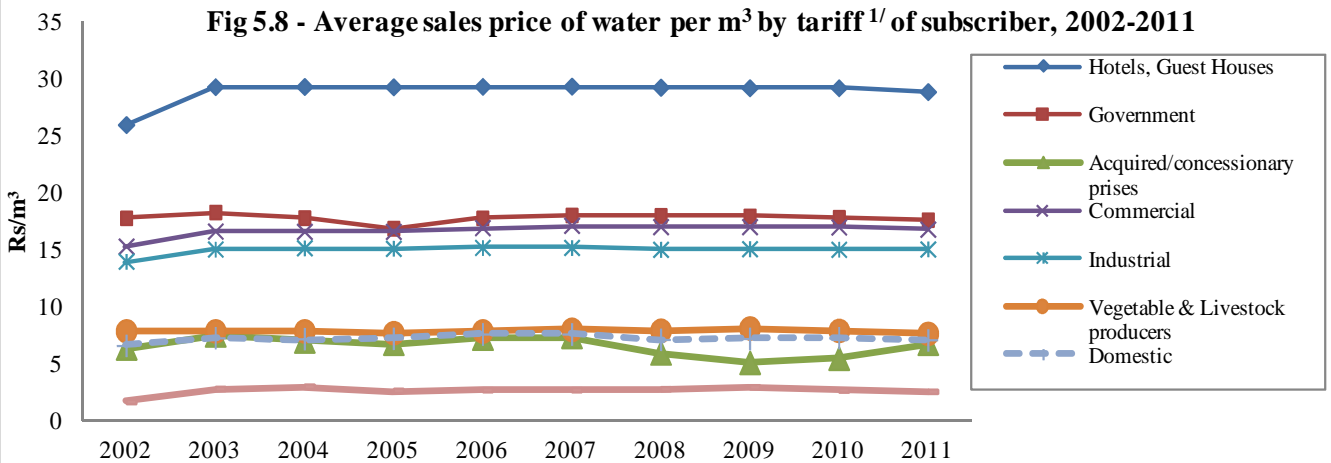


**Fig 5.7 - Average water consumption by tariff<sup>1/</sup> of subscriber (m<sup>3</sup>), 2002-2011**



Year	Domestic	All subscribers	Vegetable & Livestock producers	Commercial	Government	Industrial	Hotels, Guest Houses	Non-treated water
2002	277	388	509	562	1138	6171	18285	63607
2003	280	388	510	589	1170	6546	18978	55310
2004	273	372	476	587	1195	6400	19650	48288
2005	275	381	502	589	1249	6437	20709	53038
2006	269	374	499	593	1231	6402	20714	52217
2007	262	371	454	599	1208	6488	19772	55719
2008	253	357	427	598	1181	5580	17406	51746
2009	257	351	403	588	1184	5818	16613	42240
2010	256	357	407	599	1157	6483	17026	49587
2011	241	345	372	542	1036	6571	16787	54380

**Fig 5.8 - Average sales price of water per m<sup>3</sup> by tariff<sup>1/</sup> of subscriber, 2002-2011**



1/ The water supply regulations of 2011, effective as from Jan 2012, changed the tariffs and categories of subscribers. It also created a new category of subscriber, namely 'Business'.

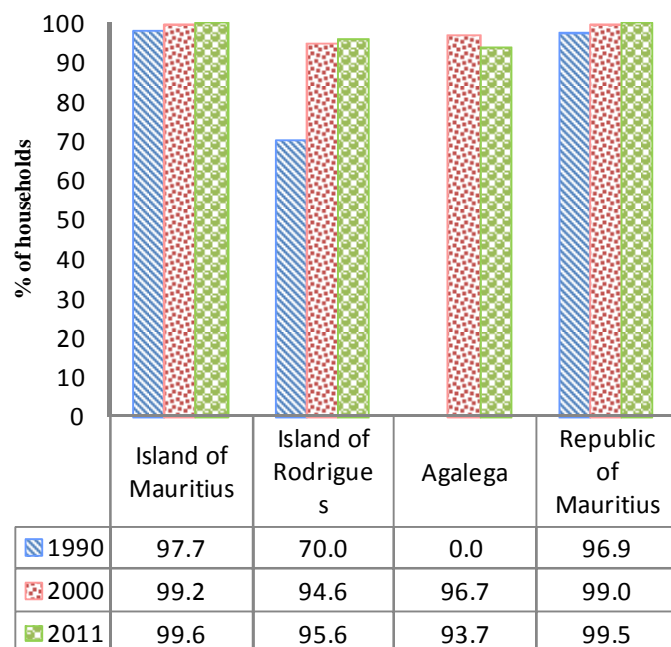
## Section VI

# Energy and Water data from Censuses & Surveys

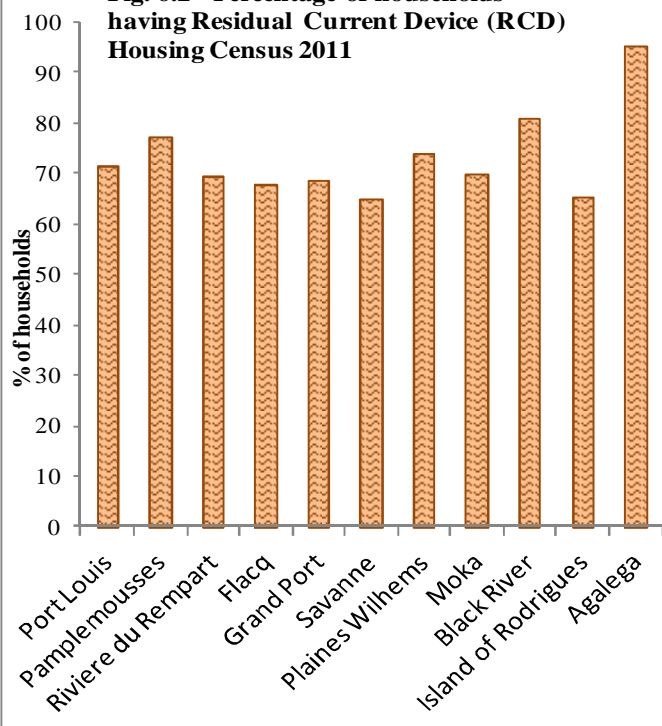
**Table 6.1 - Private households by geographical location and availability of electricity at Housing Censuses 2000 & 2011 & Private households having a Residual Current Device (RCD) at Housing Census 2011**

Geographical location	Housing Census 2000				Housing Census 2011				Households having Residual Current Device (RCD)
	Availability of electricity								
	Available	Not available	Not stated	Total	Available	Not available	Not stated	Total	
<b>Island of Mauritius</b>									
Port Louis	32,420	328	5	32,753	32,506	209	8	32,723	23,262
Pamplemousses	29,627	258	1	29,886	35,943	207	0	36,150	27,778
Riviere du Rempart	24,269	169	4	24,442	29,292	80	1	29,373	20,250
Flacq	30,353	345	15	30,713	36,458	166	1	36,625	24,722
Grand Port	26,413	261	2	26,676	30,210	150	-	30,360	20,757
Savanne	16,680	133	5	16,818	18,916	76	-	18,992	12,300
Plaines Wilhems	93,337	405	20	93,762	103,786	126	9	103,921	76,289
Moka	18,428	110	3	18,541	22,058	62	2	22,122	15,401
Black River	15,217	358	4	15,579	20,894	131	-	21,025	16,945
<b>Total</b>	<b>286,744</b>	<b>2,367</b>	<b>59</b>	<b>289,170</b>	<b>330,063</b>	<b>1,207</b>	<b>21</b>	<b>331,291</b>	<b>237,704</b>
	<i>(99.2 %)</i>	<i>(0.8 %)</i>	<i>(0.0 %)</i>	<i>(100.0%)</i>	<i>(99.6 %)</i>	<i>(0.4 %)</i>	<i>(0.0 %)</i>	<i>(100.0 %)</i>	<i>(71.8 %)</i>
<b>Island of Rodrigues</b>									
Agalega	8,183	460	8	8,651	10,501	487	-	10,988	7,156
	58	2	-	60	74	5	-	79	75
<b>Republic of Mauritius</b>	<b>294,985</b>	<b>2,829</b>	<b>67</b>	<b>297,881</b>	<b>340,638</b>	<b>1,699</b>	<b>21</b>	<b>342,358</b>	<b>244,935</b>
	<i>(99.0 %)</i>	<i>(1.0 %)</i>	<i>(0.0 %)</i>	<i>(100.0%)</i>	<i>(99.5 %)</i>	<i>(0.5 %)</i>	<i>(0.0 %)</i>	<i>(100.0 %)</i>	<i>(71.5 %)</i>

**Fig. 6.1 - Percentage of private households with electricity, Housing censuses 1990, 2000 and 2011**

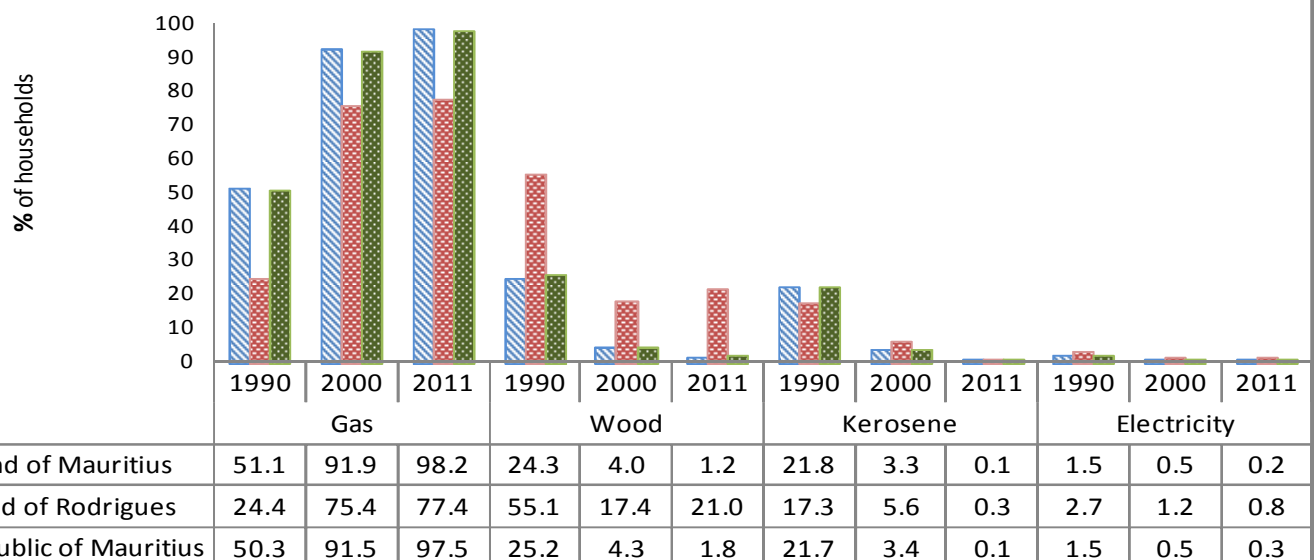


**Fig. 6.2 - Percentage of households having Residual Current Device (RCD) Housing Census 2011**



**Table 6.2 - Private households by geographical location and principal fuel used for cooking, Housing Censuses 2000 & 2011**

Geographical location	Principal fuel used for cooking							
	Wood	Charcoal	Kerosene	Electricity	Gas	Other	Not Stated	Total
<b>Housing Census 2000</b>								
Island of Mauritius								
Port Louis	457	131	1,042	132	30,891	95	5	32,753
Pamplemousses	1,573	45	1,062	94	27,083	29	-	29,886
Riviere du Rempart	1,925	8	972	77	21,441	19	-	24,442
Flacq	3,166	36	1,144	71	26,270	26	-	30,713
Grand Port	1,511	20	1,300	121	23,665	59	-	26,676
Savanne	585	17	984	35	15,183	14	-	16,818
Plaines Wilhems	785	207	1,833	837	89,988	112	-	93,762
Moka	367	6	756	45	17,362	5	-	18,541
Black River	1,043	51	449	68	13,954	14	-	15,579
<b>Total</b>	<b>11,412</b>	<b>521</b>	<b>9,542</b>	<b>1,480</b>	<b>265,837</b>	<b>373</b>	<b>5</b>	<b>289,170</b>
	(4.0 %)	(0.2 %)	(3.3 %)	(0.5 %)	(91.9 %)	(0.1 %)	(0.0 %)	(100.0 %)
Island of Rodrigues	1,509	17	487	106	6,524	8	-	8,651
Agalega	2	-	-	-	58	-	-	60
<b>Republic of Mauritius</b>	<b>12,923</b>	<b>538</b>	<b>10,029</b>	<b>1,586</b>	<b>272,419</b>	<b>381</b>	<b>5</b>	<b>297,881</b>
	(4.3 %)	(0.2 %)	(3.4 %)	(0.5 %)	(91.5 %)	(0.1 %)	(0.0 %)	(100.0 %)
<b>Housing Census 2011</b>								
Island of Mauritius								
Port Louis	147	46	39	64	32,350	39	38	32,723
Pamplemousses	536	20	25	50	35,505	14	-	36,150
Riviere du Rempart	776	14	5	50	28,494	23	11	29,373
Flacq	1,029	24	8	19	35,513	25	7	36,625
Grand Port	535	21	31	37	29,728	7	1	30,360
Savanne	184	4	18	13	18,766	6	1	18,992
Plaines Wilhems	246	57	118	503	102,519	33	445	103,921
Moka	160	4	16	33	21,890	12	7	22,122
Black River	380	27	24	74	20,499	5	16	21,025
<b>Total</b>	<b>3,993</b>	<b>217</b>	<b>284</b>	<b>843</b>	<b>325,264</b>	<b>164</b>	<b>526</b>	<b>331,291</b>
	(1.2 %)	(0.1 %)	(0.1 %)	(0.2 %)	(98.2 %)	(0.0 %)	(0.2 %)	(100.0 %)
Island of Rodrigues	2,305	41	36	91	8,503	12	-	10,988
Agalega	-	-	-	-	79	-	-	79
<b>Republic of Mauritius</b>	<b>6,298</b>	<b>258</b>	<b>320</b>	<b>934</b>	<b>333,846</b>	<b>176</b>	<b>526</b>	<b>342,358</b>
	(1.8 %)	(0.1 %)	(0.1 %)	(0.3 %)	(97.5 %)	(0.0 %)	(0.2 %)	(100.0 %)

**Fig. 6.3 - Percentage distribution of households by principal fuel used for cooking, Housing Censuses 1990, 2000 & 2011**



**Table 6.3 - Private households by geographical location and principal fuel used for heating water for bathing<sup>1</sup>, Housing Censuses 2000 & 2011**

Geographical location	Principal fuel used for heating water for bathing						Total
	Electricity	Gas	Solar	Other	None <sup>2</sup>	Not Stated	
<b>Housing Census 2000</b>							
Island of Mauritius							
Port Louis	8,690	7,921	826	525	14,791	5	32,753
Pamplemousses	4,143	6,820	1,727	1,375	15,821	-	29,886
Riviere du Rempart	2,642	9,707	1,351	2,959	7,783	-	24,442
Flacq	3,283	13,071	1,033	3,842	9,484	-	30,713
Grand Port	4,912	14,059	351	3,647	3,707	-	26,676
Savanne	2,790	10,101	265	2,446	1,216	-	16,818
Plaines Wilhems	40,591	37,267	4,673	4,159	7,072	-	93,762
Moka	4,153	10,258	483	2,309	1,338	-	18,541
Black River	3,190	7,104	745	1,977	2,563	-	15,579
<b>Total</b>	<b>74,394</b>	<b>116,308</b>	<b>11,454</b>	<b>23,239</b>	<b>63,775</b>	<b>5</b>	<b>289,170</b>
	(25.7 %)	(40.2 %)	(4.0 %)	(8.0 %)	(22.1 %)	(0.0 %)	(100.0 %)
Island of Rodrigues	454	471	73	154	7,499	-	8,651
Agalega	-	12	-	-	48	-	60
<b>Republic of Mauritius</b>	<b>74,848</b>	<b>116,791</b>	<b>11,527</b>	<b>23,393</b>	<b>71,322</b>	<b>5</b>	<b>297,881</b>
	(25.1 %)	(39.2 %)	(3.9 %)	(7.9 %)	(23.9 %)	(0.0 %)	(100.0 %)
<b>Housing Census 2011</b>							
Island of Mauritius							
Port Louis	6,715	16,959	2,378	404	6,230	37	32,723
Pamplemousses	2,752	20,697	6,005	589	6,107	-	36,150
Riviere du Rempart	1,680	19,705	4,690	1,474	1,815	9	29,373
Flacq	1,719	22,440	4,739	1,139	6,579	9	36,625
Grand Port	2,114	19,170	2,887	346	5,838	5	30,360
Savanne	1,284	15,090	1,528	638	451	1	18,992
Plaines Wilhems	20,740	60,687	12,900	1,036	8,098	460	103,921
Moka	1,989	14,621	2,900	385	2,218	9	22,122
Black River	1,932	11,354	2,946	575	4,202	16	21,025
<b>Total</b>	<b>40,925</b>	<b>200,723</b>	<b>40,973</b>	<b>6,586</b>	<b>41,538</b>	<b>546</b>	<b>331,291</b>
	(12.4 %)	(60.6 %)	(12.4 %)	(2.0 %)	(12.5 %)	(0.2 %)	(100.0 %)
Island of Rodrigues	563	2,703	869	859	5,994	-	10,988
Agalega	2	-	-	-	77	-	79
<b>Republic of Mauritius</b>	<b>41,490</b>	<b>203,426</b>	<b>41,842</b>	<b>7,445</b>	<b>47,609</b>	<b>546</b>	<b>342,358</b>
	(12.1 %)	(59.4 %)	(12.2 %)	(2.2 %)	(13.9 %)	(0.2 %)	(100.0 %)

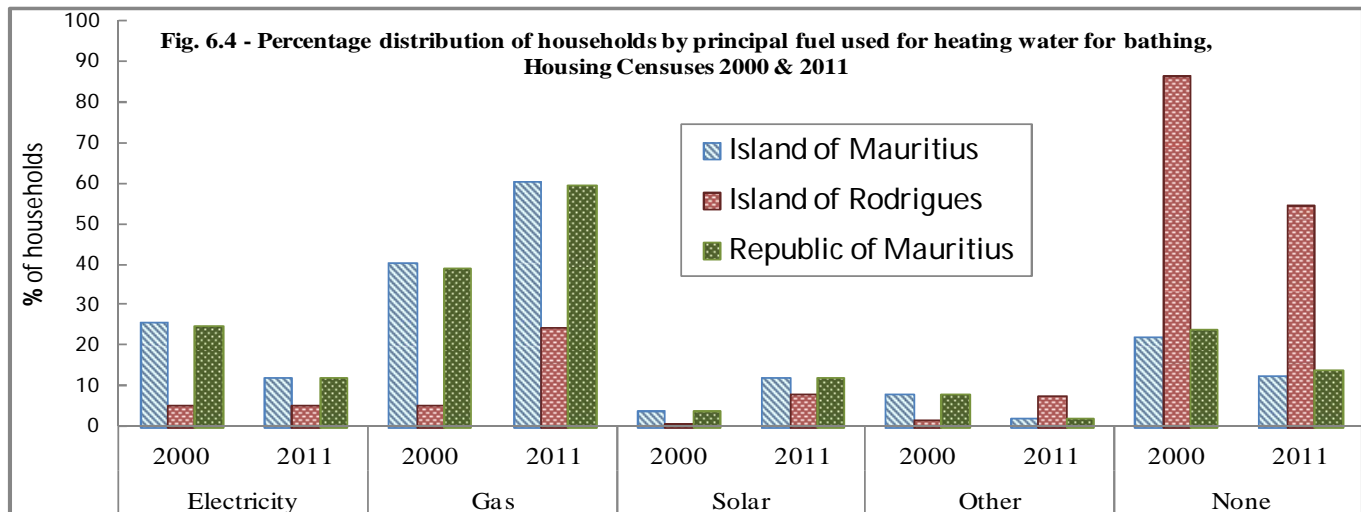
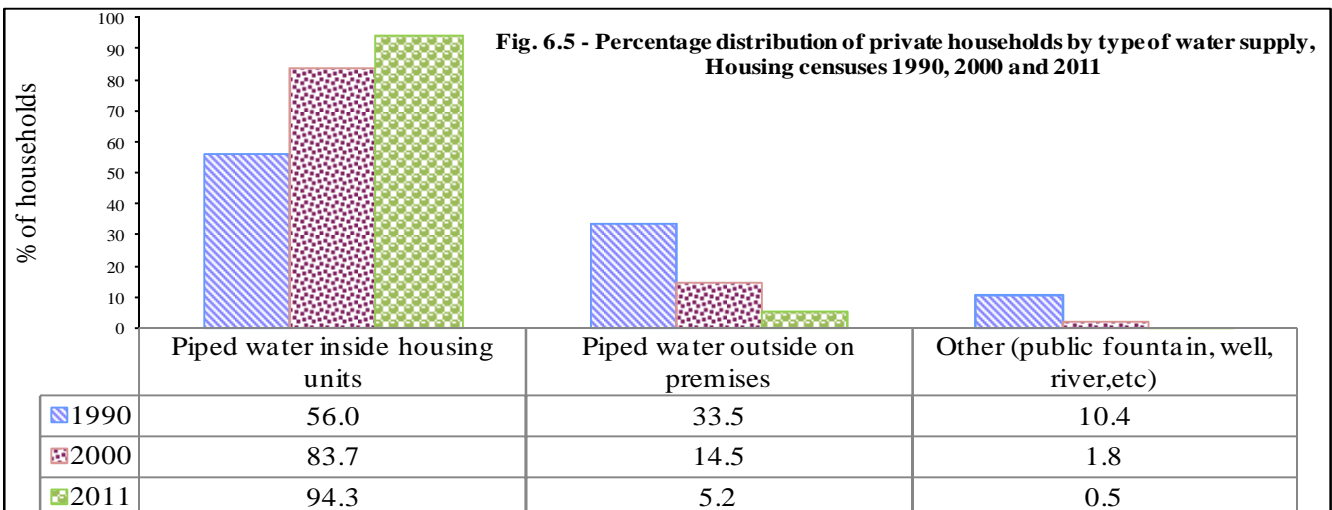
<sup>1</sup> The water need not be heated in the bathroom<sup>2</sup> Includes households where hot water is not regularly used for bathing

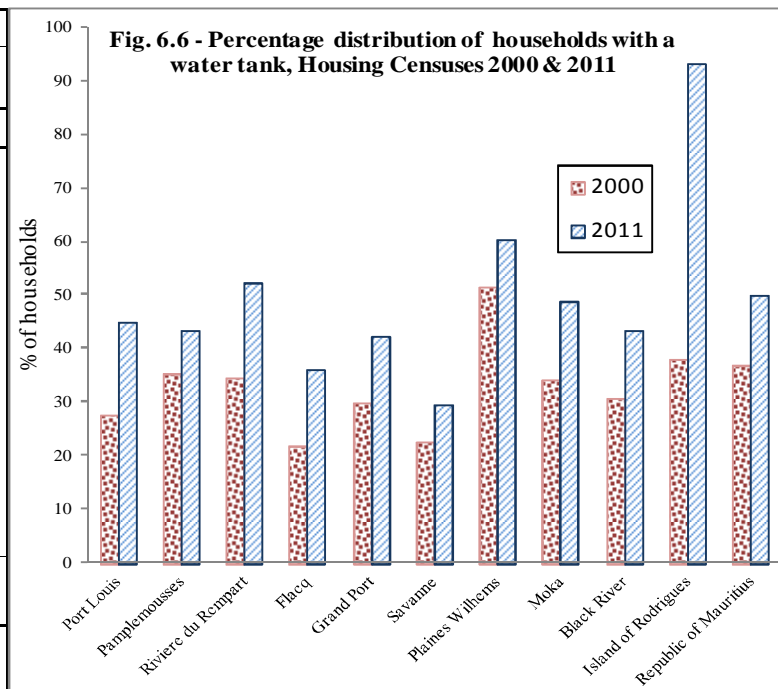
Table 6.4 - Private households by geographical location and type of water supply - Housing Censuses 2000 &amp; 2011

Geographical location	Type of water supply							Total
	Piped water			Tank wagon	Well/river	Other	Not stated	
	Inside housing units	Outside on premises	Outside public fountain					
<b>Housing Census 2000</b>								
Island of Mauritius								
Port Louis	25,245	6,945	333	10	2	216	2	32,753
Pamplemousses	24,093	5,498	78	14	16	187	-	29,886
Riviere du Rempart	20,220	3,912	140	3	-	167	-	24,442
Flacq	22,763	7,207	154	13	9	565	2	30,713
Grand Port	22,202	3,882	66	54	20	452	-	26,676
Savanne	13,801	2,526	123	0	17	351	-	16,818
Plaines Wilhems	89,868	3,636	14	4	9	230	1	93,762
Moka	16,134	2,171	24	28	11	172	1	18,541
Black River	11,879	3,085	181	7	12	414	1	15,579
<b>Total</b>	<b>246,205</b>	<b>38,862</b>	<b>1,113</b>	<b>133</b>	<b>96</b>	<b>2,754</b>	<b>7</b>	<b>289,170</b>
	(85.1%)	(13.4%)	(0.4%)	(0.0%)	(0.0%)	(1.0%)	(0.0%)	(100.0%)
Island of Rodrigues	3,163	4,270	359	67	410	382	-	8,651
Agalega	-	-	-	-	-	60	-	60
<b>Republic of Mauritius</b>	<b>249,368</b>	<b>43,132</b>	<b>1,472</b>	<b>200</b>	<b>506</b>	<b>3,196</b>	<b>7</b>	<b>297,881</b>
	(83.7%)	(14.5%)	(0.5%)	(0.1%)	(0.2%)	(1.1%)	(0.0%)	(100.0%)
<b>Housing Census 2011</b>								
Island of Mauritius								
Port Louis	30,127	2,397	59	5	11	112	12	32,723
Pamplemousses	34,101	1,840	95	5	18	91	-	36,150
Riviere du Rempart	27,799	1,473	19	1	0	79	2	29,373
Flacq	34,169	2,307	29	0	5	112	3	36,625
Grand Port	28,987	1,230	15	20	21	87	0	30,360
Savanne	17,790	1,056	43	0	7	94	2	18,992
Plaines Wilhems	102,994	826	5	3	2	79	12	103,921
Moka	21,481	549	22	2	14	49	-	22,122
Black River	19,242	1,615	3	-	4	157	4	21,025
<b>Total</b>	<b>316,690</b>	<b>13,293</b>	<b>290</b>	<b>36</b>	<b>82</b>	<b>860</b>	<b>40</b>	<b>331,291</b>
	(95.6%)	(4.0%)	(0.1%)	(0.0%)	(0.0%)	(0.3%)	(0.0%)	(100.0%)
Island of Rodrigues	5,987	4,356	76	37	120	411	1	10,988
Agalega	56	-	-	-	23	-	-	79
<b>Republic of Mauritius</b>	<b>322,733</b>	<b>17,649</b>	<b>366</b>	<b>73</b>	<b>225</b>	<b>1,271</b>	<b>41</b>	<b>342,358</b>
	(94.3%)	(5.2%)	(0.1%)	(0.0%)	(0.1%)	(0.4%)	(0.0%)	(100.0%)



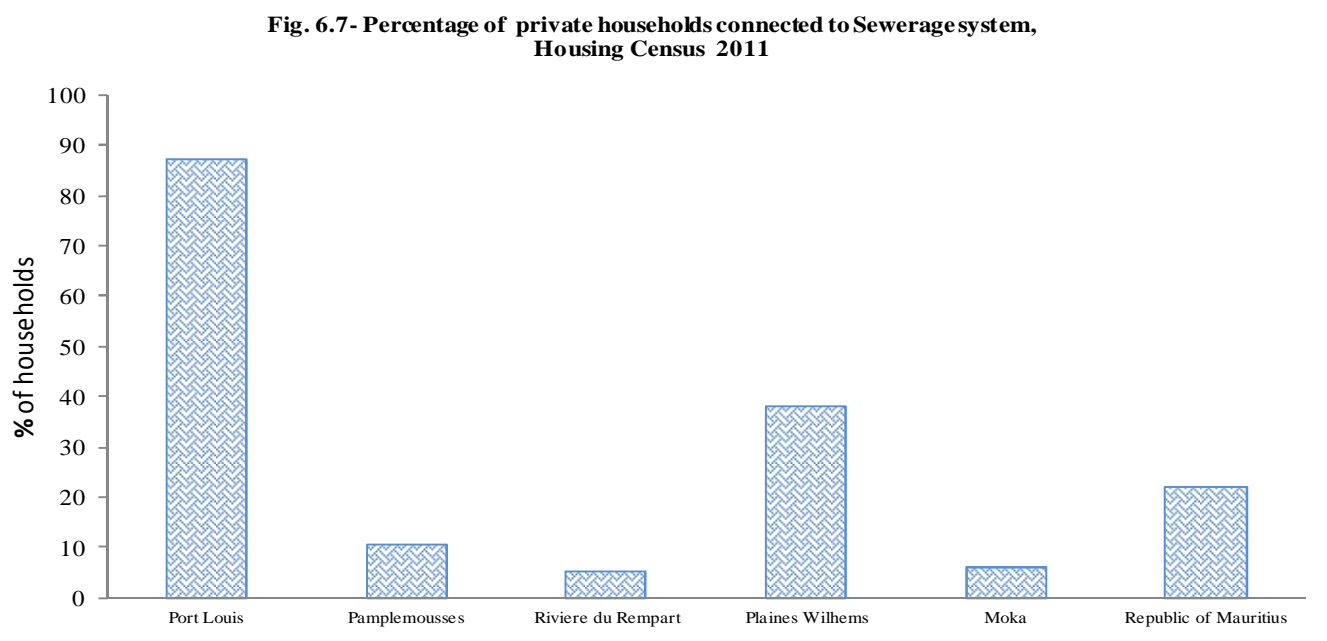
**Table 6.5 - Private households by geographical location and availability of water tank - Housing Censuses 2000 & 2011**

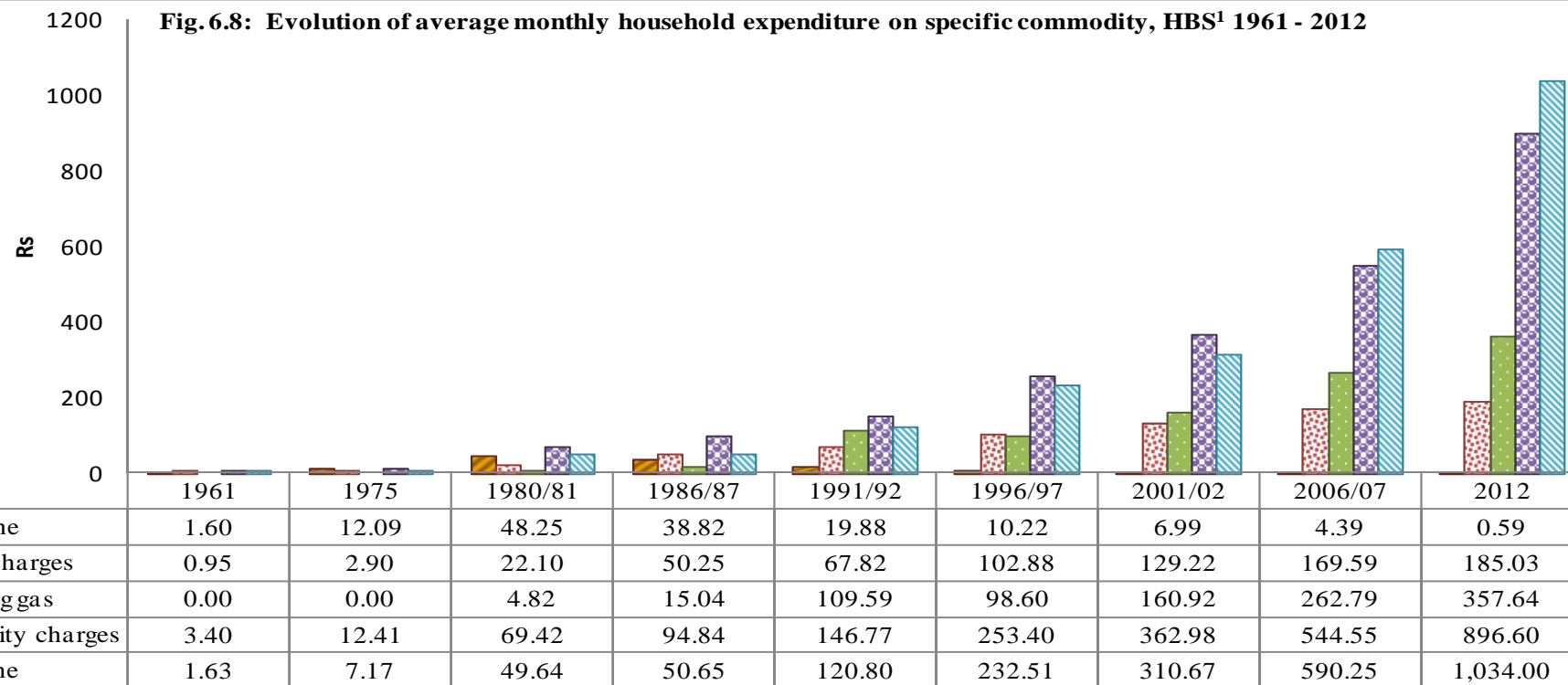
Geographical location	Availability of domestic water tank/reservoir							
	Available	Not Available	Not stated	Total	Available	Not Available	Not stated	Total
	<b>Housing Census 2000</b>				<b>Housing Census 2011</b>			
Port Louis	8,990	23,758	5	32,753	14,639	18,045	39	32,723
Pamplemousses	10,492	19,392	2	29,886	15,544	20,597	9	36,150
Riviere du Rempart	8,401	16,031	10	24,442	15,305	14,056	12	29,373
Flacq	6,617	24,081	15	30,713	13,154	23,466	5	36,625
Grand Port	7,870	18,799	7	26,676	12,751	17,604	5	30,360
Savanne	3,757	13,059	2	16,818	5,534	13,455	3	18,992
Plaines Wilhems	48,088	45,647	27	93,762	62,462	41,409	50	103,921
Moka	6,289	12,248	4	18,541	10,713	11,397	12	22,122
Black River	4,730	10,842	7	15,579	9,065	11,949	11	21,025
<b>Total Island of Mauritius</b>	<b>105,234</b> <i>(36.4%)</i>	<b>183,857</b> <i>(63.6%)</i>	<b>79</b> <i>(0.0%)</i>	<b>289,170</b> <i>(100.0%)</i>	<b>159,167</b> <i>(48.1%)</i>	<b>171,978</b> <i>(51.9%)</i>	<b>146</b> <i>(0.0%)</i>	<b>331,291</b> <i>(100.0%)</i>
Island of Rodrigues	3,273	5,372	6	8,651	10,215	772	1	10,988
Agalega	40	20	-	60	79	-	-	79
<b>Republic of Mauritius</b>	<b>108,547</b> <i>(36.4%)</i>	<b>189,249</b> <i>(63.5%)</i>	<b>85</b> <i>(0.0%)</i>	<b>297,881</b> <i>(100.0%)</i>	<b>169,461</b> <i>(49.5%)</i>	<b>172,750</b> <i>(50.5%)</i>	<b>147</b> <i>(0.0%)</i>	<b>342,358</b> <i>(100.0%)</i>



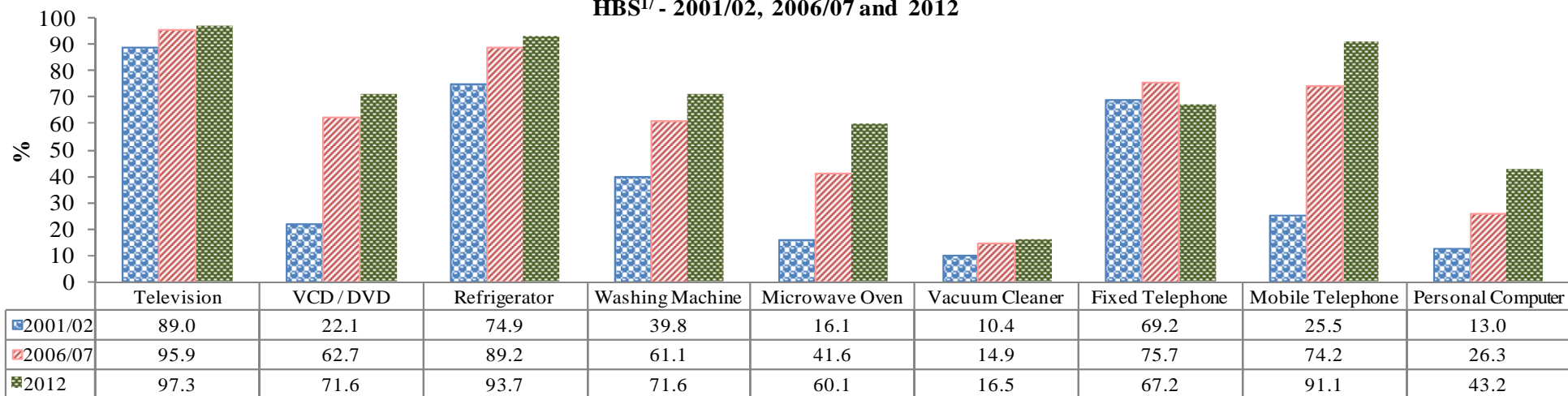
**Table 6.6 - Private households by geographical location and connection to sewerage system - Housing Census 2011**

Geographical location	Connection to Sewerage system		
	Connected	Not connected	Total
Port Louis	28,442	4,281	32,723
Pamplemousses	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
<b>Total Island of Mauritius</b>	<b>74,659</b> <i>(22.5%)</i>	<b>256,632</b> <i>(77.5%)</i>	<b>331,291</b> <i>(100.0%)</i>
Island of Rodrigues	-	10,988	10,988
Agalega	-	79	79
<b>Republic of Mauritius</b>	<b>74,659</b> <i>(21.8%)</i>	<b>267,699</b> <i>(78.2%)</i>	<b>342,358</b> <i>(100.0%)</i>



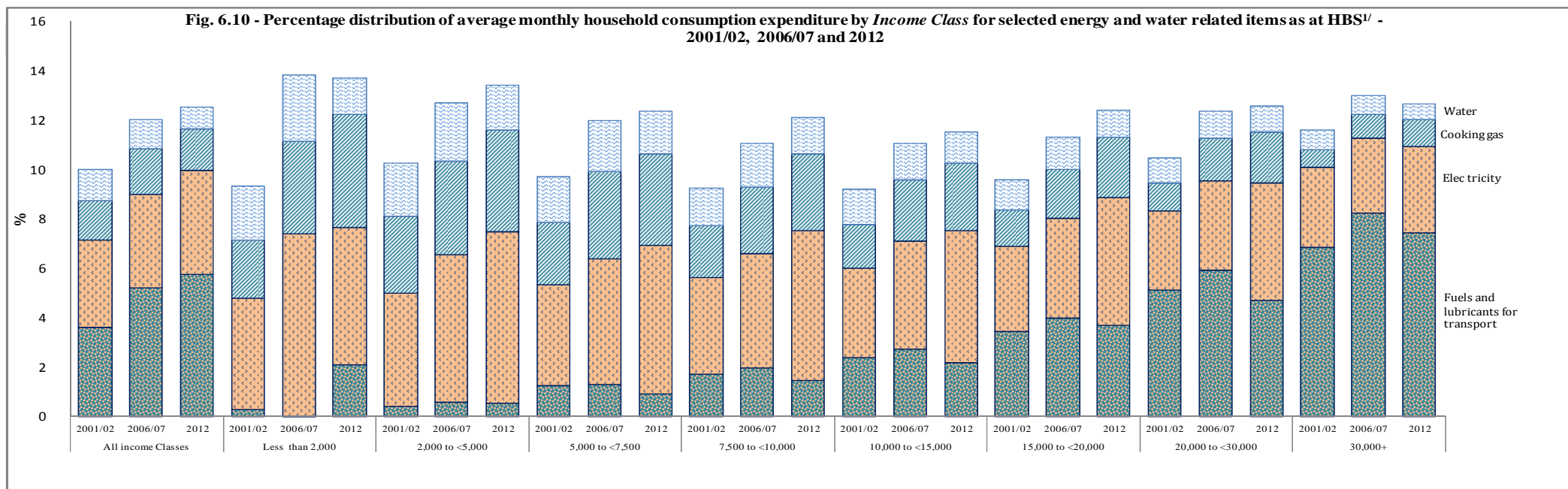


**Fig. 6.9 – Percentage distribution of households with selected household electrical appliances, HBS<sup>1/</sup> - 2001/02, 2006/07 and 2012**



**Table 6.7 - Distribution of average monthly household consumption expenditure by *Income Class* for selected energy and water related items as at HBS <sup>1/</sup> 2006/2007 and 2012**

Classification of individual consumption according to purpose (COICOP)	Income Class																	
	All income Classes		Less than 2,000		2,000 to <5,000		5,000 to <7,500		7,500 to <10,000		10,000 to <15,000		15,000 to <20,000		20,000 to <30,000		30,000+	
	2006/2007	2012	2006/2007	2012	2006/2007	2012	2006/2007	2012	2006/2007	2012	2006/2007	2012	2006/2007	2012	2006/2007	2012	2006/2007	2012
	<i>Rupees</i>																	
Water supply	169.59	185.03	107.23	65.05	101.29	94.04	126.38	118.64	149.61	132.52	159.13	151.86	174.00	166.30	197.71	199.01	219.96	228.38
Sewage collection	28.55	39.23	0.00	10.41	15.34	18.77	16.55	23.61	22.05	26.22	29.39	35.13	28.28	37.87	32.90	38.96	40.75	48.90
Electricity	544.55	896.61	293.69	243.05	258.19	360.07	315.06	422.11	386.74	542.55	461.23	638.01	552.20	769.88	655.79	884.31	931.41	1,275.24
Cooking gas (LPG)	262.79	357.64	149.11	201.60	163.14	213.93	219.07	260.73	225.94	276.23	260.57	325.63	274.47	358.51	307.71	378.11	299.28	402.33
Liquid fuels	5.11	0.64	37.83	2.09	8.66	2.29	7.04	0.74	5.75	1.10	6.54	0.22	3.92	1.05	3.62	0.40	2.25	0.54
Solid fuels	1.76	1.39	0.00	0.00	1.78	0.00	1.83	0.20	0.95	0.48	0.68	0.35	2.77	0.15	1.46	3.53	3.40	1.41
Fuels and lubricants for personal transport equipment	743.80	1,218.34	1.36	91.62	25.17	27.10	78.86	63.02	161.51	130.23	288.66	257.05	544.02	545.16	1,075.17	873.60	2,529.55	2,705.60
<b>All items</b>	<b>14,300.26</b>	<b>21,240.56</b>	<b>3,987.70</b>	<b>4,382.31</b>	<b>4,317.14</b>	<b>5,181.24</b>	<b>6,181.31</b>	<b>7,003.88</b>	<b>8,343.76</b>	<b>8,946.93</b>	<b>10,570.38</b>	<b>11,908.66</b>	<b>13,683.83</b>	<b>14,794.13</b>	<b>18,114.97</b>	<b>18,575.74</b>	<b>30,690.76</b>	<b>36,429.00</b>
	<i>Percentage of total household consumption expenditure</i>																	
Water supply	1.19	0.87	2.69	1.48	2.35	1.82	2.04	1.69	1.79	1.48	1.51	1.28	1.27	1.12	1.09	1.07	0.72	0.63
Sewage collection	0.20	0.18	0.00	0.24	0.36	0.36	0.27	0.34	0.26	0.29	0.28	0.29	0.21	0.26	0.18	0.21	0.13	0.13
Electricity	3.81	4.22	7.36	5.55	5.98	6.95	5.10	6.03	4.64	6.06	4.36	5.36	4.04	5.20	3.62	4.76	3.03	3.50
Cooking gas (LPG)	1.84	1.68	3.74	4.60	3.78	4.13	3.54	3.72	2.71	3.09	2.47	2.73	2.01	2.42	1.70	2.04	0.98	1.10
Liquid fuels	0.04	0.00	0.99	0.05	0.20	0.04	0.11	0.01	0.07	0.01	0.06	0.00	0.03	0.01	0.02	0.00	0.01	0.00
Solid fuels	0.01	0.01	0.00	0.00	0.04	0.00	0.03	0.00	0.01	0.01	0.01	0.00	0.02	0.00	0.01	0.02	0.01	0.00
Fuels and lubricants for personal transport equipment	5.20	5.74	0.03	2.09	0.58	0.52	1.28	0.90	1.94	1.46	2.73	2.16	3.98	3.68	5.94	4.70	8.24	7.43

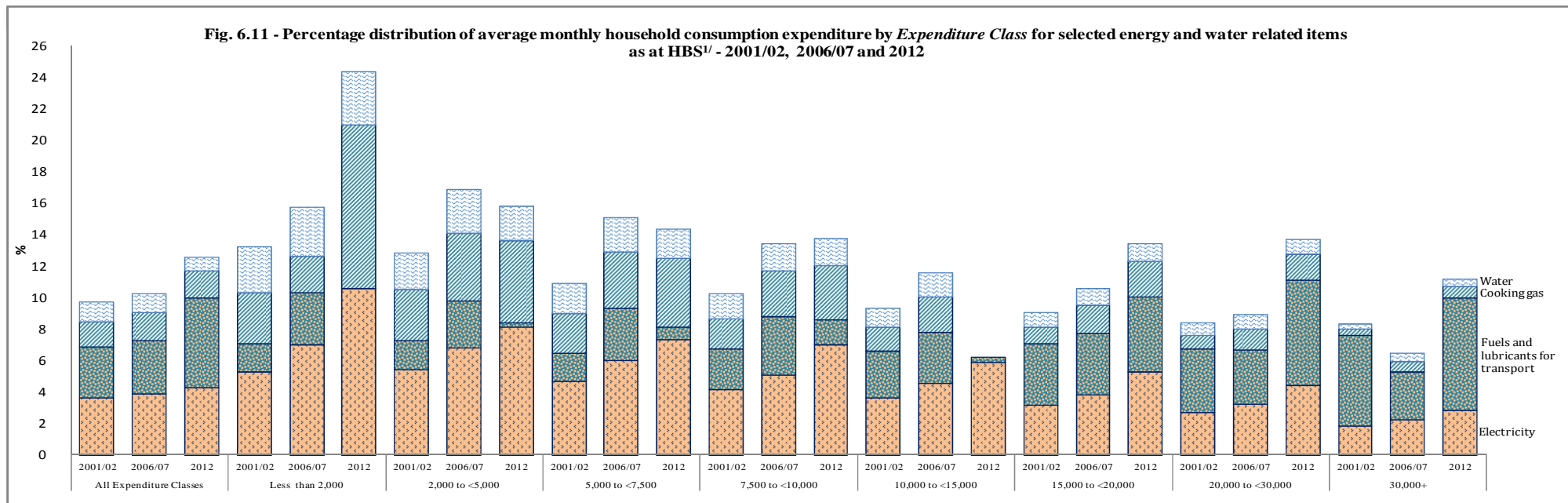


<sup>1/</sup>Household Budget Survey

**Table 6.8 - Distribution of average monthly household consumption expenditure by Expenditure Class for selected energy and water related items as at HBS<sup>I</sup> 2006/2007 and 2012**

Classification of individual consumption according to purpose (COICOP)	Expenditure Class																	
	All Expenditure Classes		Less than 2,000		2,000 to <5,000		5,000 to <7,500		7,500 to <10,000		10,000 to <15,000		15,000 to <20,000		20,000 to <30,000		30,000+	
	2006/2007	2012	2006/2007	2012	2006/2007	2012	2006/2007	2012	2006/2007	2012	2006/2007	2012	2006/2007	2012	2006/2007	2012	2006/2007	2012
	<i>Rupees</i>																	
Water supply	169.59	185.03	46.46	53.07	104.50	83.93	136.39	116.16	153.31	145.91	179.98	166.73	184.28	200.27	215.71	213.32	239.71	249.26
Sewage collection	28.55	39.23	2.35	7.18	14.16	21.85	17.68	24.30	25.97	28.99	29.28	35.34	44.54	42.17	34.48	47.74	38.64	50.81
Electricity	544.55	896.61	102.40	167.49	253.30	313.63	372.12	464.45	441.58	610.23	553.49	727.38	645.30	909.47	756.49	1,062.22	1,037.83	1,486.45
Cooking gas (LPG)	262.79	357.64	33.69	164.49	161.15	203.62	225.19	276.76	251.19	307.81	274.02	348.35	302.54	383.42	323.18	404.54	315.63	405.43
Liquid fuels	5.11	0.64	7.51	1.15	5.41	0.76	6.72	0.38	6.13	1.37	5.90	0.30	4.41	0.48	2.27	0.92	1.34	0.54
Solid fuels	1.76	1.39	0.00	0.00	1.15	0.00	0.54	0.14	2.49	0.24	1.23	0.17	1.78	0.86	3.35	4.57	2.83	1.74
Fuels and lubricants for personal transport equipment	483.93	1,218.34	49.57	0.00	110.55	10.71	209.78	52.08	323.08	138.55	396.02	41.41	672.39	831.16	830.20	1,637.03	1,422.47	3,863.56
<b>All purposes</b>	<b>14,300.00</b>	<b>21,240.56</b>	<b>1,476.86</b>	<b>1,585.58</b>	<b>3,736.48</b>	<b>3,884.79</b>	<b>6,273.61</b>	<b>6,367.34</b>	<b>8,722.10</b>	<b>8,792.51</b>	<b>12,212.13</b>	<b>12,537.20</b>	<b>17,155.89</b>	<b>17,369.80</b>	<b>24,015.43</b>	<b>24,378.62</b>	<b>47,041.71</b>	<b>53,838.03</b>
	<i>Percentage of total household consumption expenditure</i>																	
Water supply	1.19	0.87	3.15	3.35	2.80	2.16	2.17	1.82	1.76	1.66	1.47	1.33	1.07	1.15	0.90	0.88	0.51	0.46
Sewage collection	0.20	0.18	0.16	0.45	0.38	0.56	0.28	0.38	0.30	0.33	0.24	0.28	0.26	0.24	0.14	0.20	0.08	0.09
Electricity	3.81	4.22	6.93	10.56	6.78	8.07	5.93	7.29	5.06	6.94	4.53	5.80	3.76	5.24	3.15	4.36	2.21	2.76
Cooking gas (LPG)	1.84	1.68	2.28	10.37	4.31	5.24	3.59	4.35	2.88	3.50	2.24	2.78	1.76	2.21	1.35	1.66	0.67	0.75
Liquid fuels	0.04	0.00	0.51	0.07	0.14	0.02	0.11	0.01	0.07	0.02	0.05	0.00	0.03	0.00	0.01	0.00	0.00	0.00
Solid fuels	0.01	0.01	0.00	0.00	0.03	0.00	0.01	0.00	0.03	0.00	0.01	0.00	0.01	0.00	0.01	0.02	0.01	0.00
Fuels and lubricants for personal transport equipment	3.38	5.74	3.36	0.00	2.96	0.28	3.34	0.82	3.70	1.58	3.24	0.33	3.92	4.79	3.46	6.72	3.02	7.18

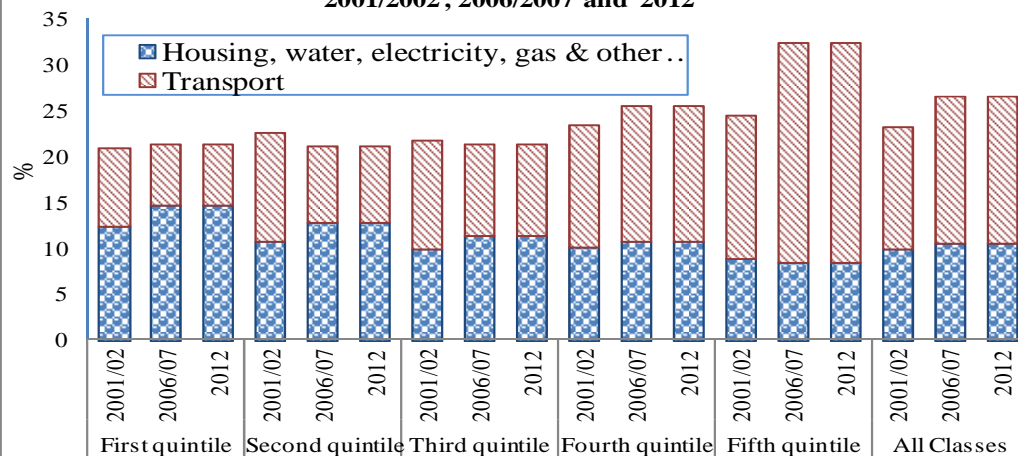
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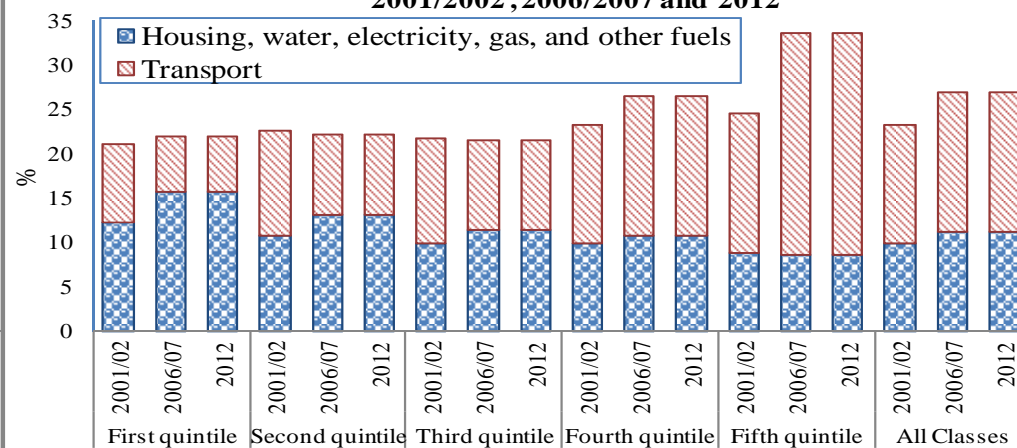
**Table 6.9 - Average monthly household consumption expenditure for Transport and Housing divisions of COICOP<sup>1/</sup> by quintile<sup>2/</sup> group of household income at HBS 2006/2007 and 2012**

Classification of individual consumption according to purpose (COICOP) Division	First Quintile		Second Quintile		Third quintile		Fourth quintile		Fifth quintile		All classes													
	2006/2007		2012		2006/2007		2012		2006/2007		2012													
	Expend.	%	Expend.	%	Expend.	%	Expend.	%	Expend.	%	Expend.	%												
<b>Average monthly household consumption expenditure</b>																								
Housing, water, electricity, gas & other fuels	903	14.7	1046	16.4	1209	12.7	1531	13.7	1369	11.3	1895	12.1	1689	10.6	2263	10.2	2320	8.3	3494	7.1	1498	10.5	20.66	9.7
Transport	413	6.7	255	4.0	805	8.5	473	6.7	1206	10.0	1465	9.4	2379	14.9	2712	12.2	6675	24.0	1258	24.7	2295	16.0	3549	16.7
<b>All items</b>	<b>6,141</b>	<b>100</b>	<b>6,374</b>	<b>100</b>	<b>9,497</b>	<b>100</b>	<b>11,138</b>	<b>100</b>	<b>12,063</b>	<b>100</b>	<b>15,624</b>	<b>100</b>	<b>15,983</b>	<b>100</b>	<b>22,252</b>	<b>100</b>	<b>27,830</b>	<b>100</b>	<b>49,156</b>	<b>100</b>	<b>14,300</b>	<b>100</b>	<b>21,241</b>	<b>100</b>
<b>Per capita monthly household consumption expenditure</b>																								
Housing, water, electricity, gas & other fuels	450	15.7	544	8.5	403	13.0	546	4.9	417	11.4	619	4.0	494	10.8	671	3.0	660	8.6	1041	2.1	485	11.1	688	3.2
Transport	179	6.2	121	1.9	279	9.0	276	2.5	372	10.2	487	3.1	721	15.8	823	3.7	1917	25.0	3690	7.5	693	15.9	1104	5.2
<b>All items</b>	<b>2,865</b>	<b>100</b>	<b>3,299</b>	<b>100</b>	<b>3,089</b>	<b>100</b>	<b>4,046</b>	<b>100</b>	<b>3,658</b>	<b>100</b>	<b>5,012</b>	<b>100</b>	<b>4,575</b>	<b>100</b>	<b>6,433</b>	<b>100</b>	<b>7,658</b>	<b>100</b>	<b>14,341</b>	<b>100</b>	<b>4,369</b>	<b>100</b>	<b>6,707</b>	<b>100</b>

**Fig. 6.12 - Percentage of monthly household consumption expenditure for Transport and Housing divisions of COICOP<sup>1/</sup> by quintile group of household income HBS 2001/2002, 2006/2007 and 2012**



**Fig. 6.13 - Percentage of per capita monthly household consumption expenditure for Transport and Housing divisions of COICOP<sup>1/</sup> by quintile group of household income HBS 2001/2002, 2006/2007 and 2012**



1/ Classification of individual consumption according to purpose

2/ Each quintile represents 20% of the population

Table 6.10 - Household expenditure for selected energy and water related items by district, CMPHS<sup>1/</sup> 2003-2012

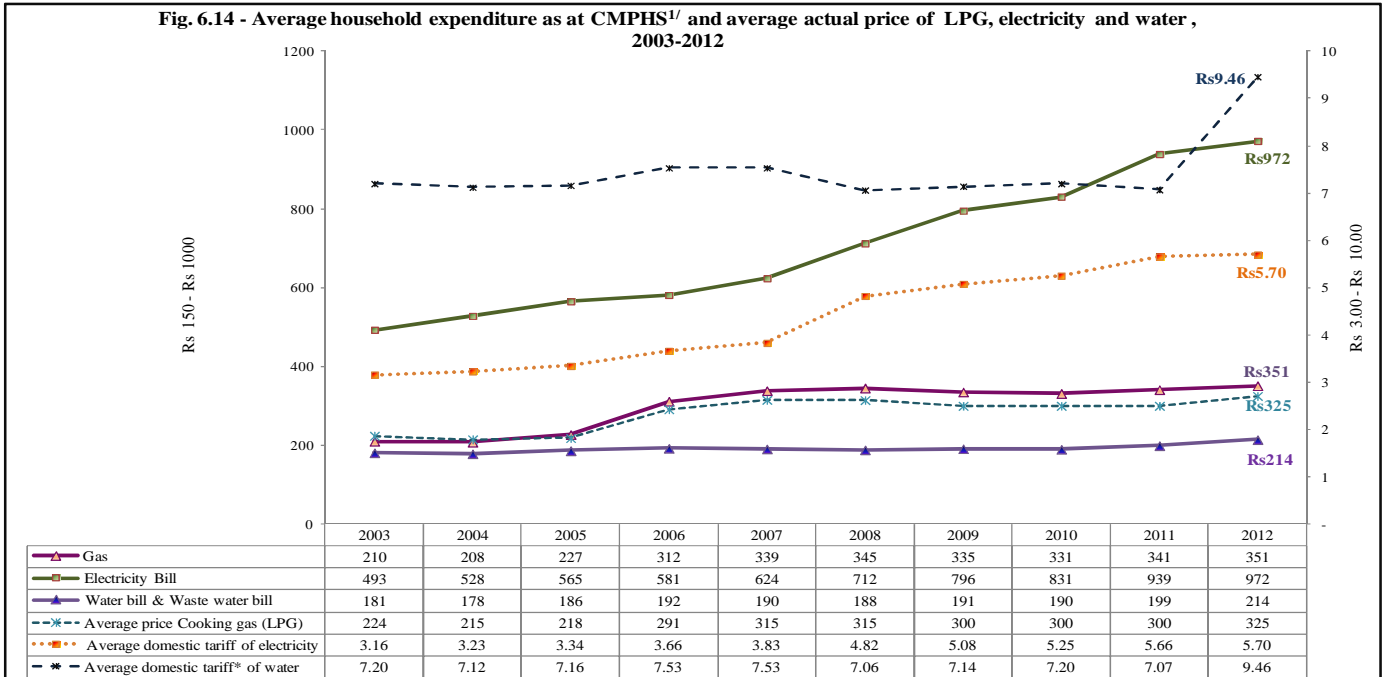
	Rs										
	All districts	Port Louis	Pamplemousses	Riviere du Rempart	Flacq	Grand Port	Savanne	Plaines Wilhems	Moka	Black River	Rodrigues
<b>2003</b>											
Average total expenditure	9,689	8,728	9,596	8,807	8,288	8,806	8,434	11,837	9,420	11,238	6,743
Gas	210	192	207	213	221	220	230	216	234	189	176
Water bill	156	184	153	150	179	170	177	169	164	193	2
Waste Water bill	25	122	7	2	-	1	2	34	7	10	-
Electricity bill	493	552	473	436	412	441	405	582	481	591	326
<b>2004</b>											
Average total expenditure	10,272	9,257	9,960	9,932	8,547	9,045	8,102	12,655	10,240	12,669	6,935
Gas	208	181	215	218	210	215	217	213	246	177	180
Water bill	154	176	167	146	163	178	167	167	168	194	1
Waste Water bill	24	98	9	5	1	3	6	35	5	15	2
Electricity bill	528	561	505	481	423	462	445	628	512	636	387
<b>2005</b>											
Average total expenditure	11,111	10,422	11,711	10,431	9,578	10,412	9,607	13,683	11,688	12,618	7,749
Gas	227	191	224	238	234	251	251	232	248	201	191
Water bill	164	183	169	168	176	164	172	174	179	191	2
Waste Water bill	22	96	14	3	2	1	2	40	10	15	1
Electricity bill	565	590	579	524	479	596	467	663	542	642	432
<b>2006</b>											
Average total expenditure	11,654	10,522	12,374	11,541	9,820	11,098	10,216	14,730	11,869	12,403	8,111
Gas	312	261	304	326	320	322	369	327	345	282	236
Water bill	169	186	171	164	174	180	181	182	180	200	8
Waste Water bill	23	86	8	8	1	3	0	51	11	19	1
Electricity bill	581	601	597	571	486	563	494	684	548	675	460
<b>2007</b>											
Average total expenditure	12,337	10,782	13,036	12,737	10,727	11,345	10,500	15,673	12,116	13,700	8,629
Gas	338	288	335	346	360	370	376	356	368	289	260
Water bill	167	188	172	176	178	181	176	174	166	205	0
Waste Water bill	23	103	6	7	0	1	1	44	10	14	2
Electricity bill	624	671	639	657	520	540	530	739	583	727	473
<b>2008</b>											
Average total expenditure	14,045	12,466	16,124	13,854	11,723	13,074	11,454	18,167	13,242	14,917	10,065
Gas	345	283	341	356	362	377	386	365	390	303	253
Water bill	163	166	172	189	176	177	174	162	167	195	1
Waste Water bill	26	113	10	5	3	1	1	47	10	20	1
Electricity bill	712	752	757	707	594	631	579	840	682	843	575
<b>2009<sup>2/</sup></b>											
Average total expenditure	16,168	13,889	14,352	16,248	14,352	15,116	13,419	21,291	15,382	17,584	11,201
Gas	335	279	340	327	351	377	376	350	370	304	240
Water bill & Waste Water bill	191	282	182	186	189	181	186	207	177	235	1
Electricity bill	796	862	822	765	682	756	670	931	749	958	555
<b>2010<sup>2/</sup></b>											
Average total expenditure	16,872	14,907	17,532	15,897	15,338	16,111	13,930	21,902	16,158	18,954	11,664
Gas	331	282	323	333	352	380	350	342	376	298	249
Water bill & Waste water bill	190	263	189	182	193	187	184	207	181	223	1
Electricity bill	831	898	870	811	766	787	676	965	752	976	581
<b>2011<sup>2/</sup></b>											
Average total expenditure	18,341	16,505	18,938	18,631	16,521	17,491	15,467	23,232	17,285	19,937	13,102
Gas	341	285	329	338	361	373	379	351	386	323	269
Water bill & Waste water bill	199	289	196	196	196	185	188	213	187	249	7
Electricity bill	939	1,018	976	966	856	871	770	1,096	825	1,028	728
<b>2012<sup>2/</sup></b>											
Average total expenditure	19,060	17,317	19,282	19,072	16,985	17,767	15,175	24,231	20,080	20,389	13,885
Gas	351	287	339	353	373	380	398	366	402	314	280
Water bill & Waste water bill	214	316	204	212	210	191	210	237	214	252	0
Electricity bill	972	1,085	1,001	966	854	910	849	1,124	900	1,060	725

1/ Continuous Multipurpose Household Survey

2/ Separate figures for Waste Water bill are not available as from 2009

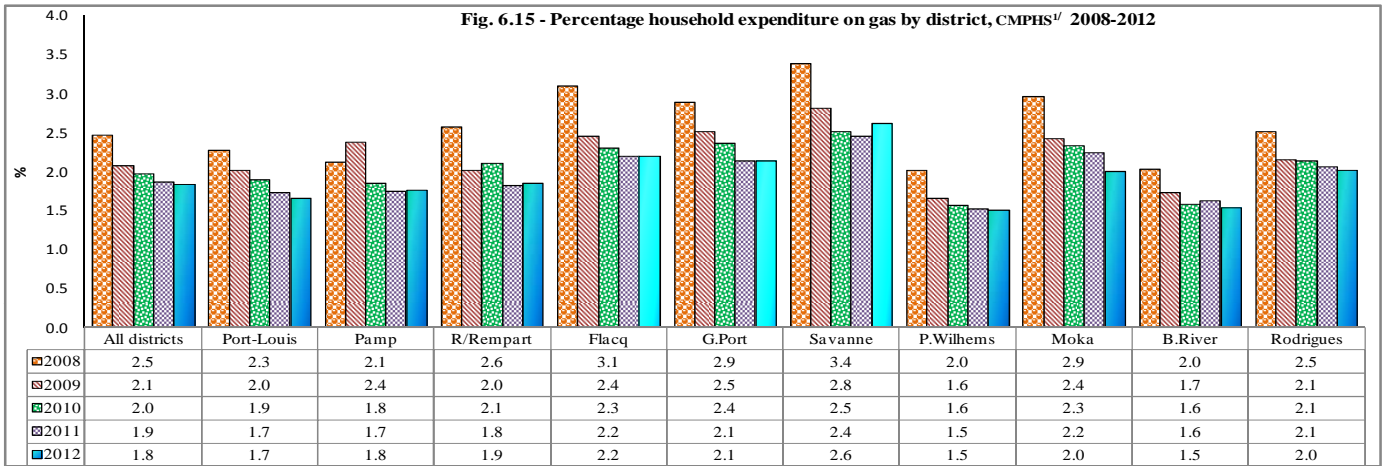


**Fig. 6.14 - Average household expenditure as at CMPHS<sup>1/</sup> and average actual price of LPG, electricity and water , 2003-2012**

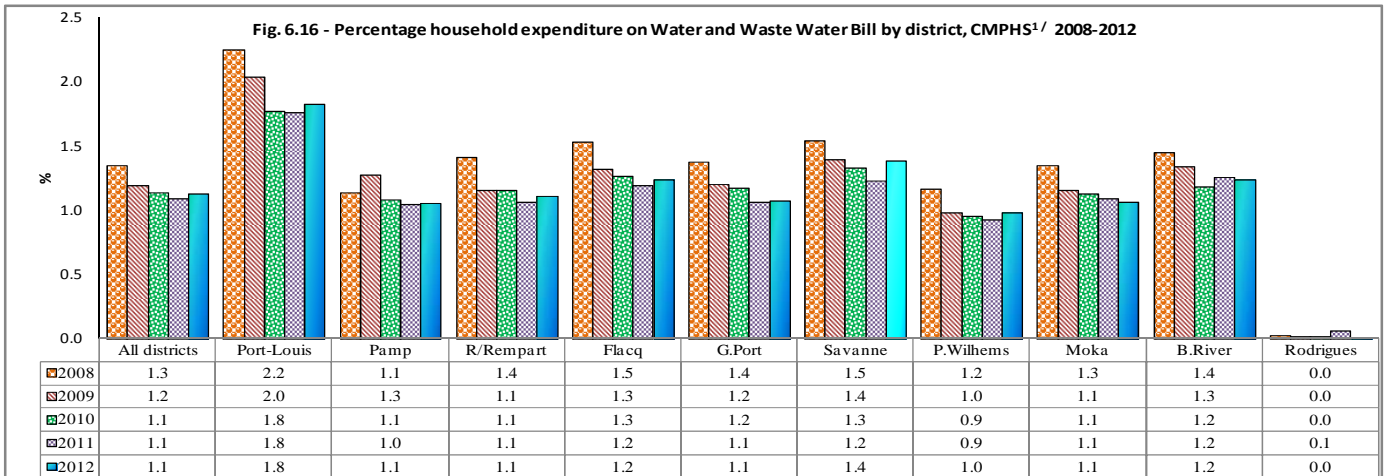


\* CWA tariffs of 2002 were amended by the water supply regulations of 2011 which became effective as from Jan 2012

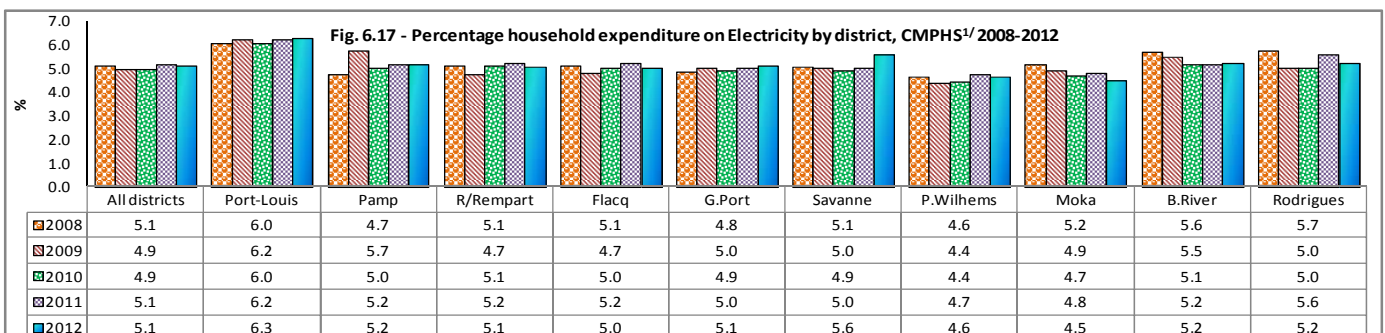
**Fig. 6.15 - Percentage household expenditure on gas by district, CMPHS<sup>1/</sup> 2008-2012**



**Fig. 6.16 - Percentage household expenditure on Water and Waste Water Bill by district, CMPHS<sup>1/</sup> 2008-2012**



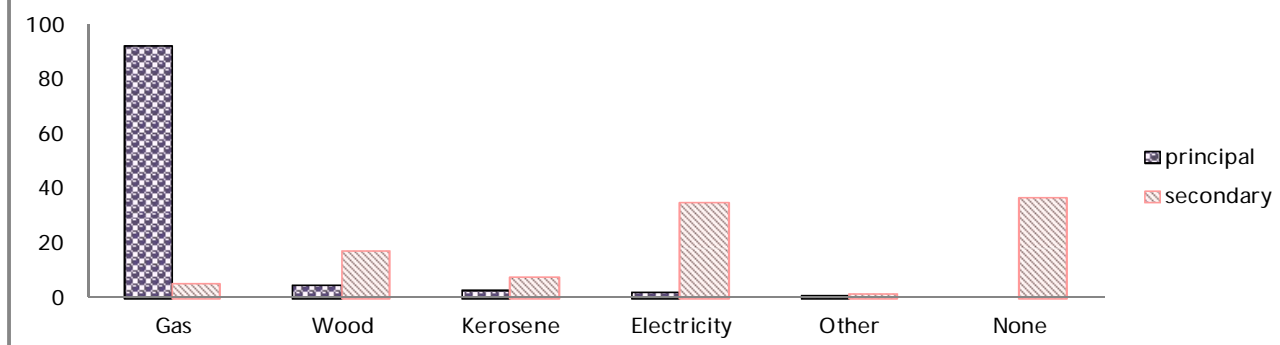
**Fig. 6.17 - Percentage household expenditure on Electricity by district, CMPHS<sup>1/</sup> 2008-2012**



1/ Continuous Multipurpose Household Survey

**Table 6.11 - Percentage of households by principal and secondary fuel used for cooking - CMPHS<sup>1/</sup> 2004**

Fuel used	% of households					
	Principal fuel					Secondary fuel
	1st quarter	2nd quarter	3rd quarter	4th quarter	Year	
Gas	91.0	92.4	93.1	92.0	92.1	4.7
Wood	4.10	3.90	3.70	5.20	4.2	16.9
Kerosene	2.60	2.00	2.30	1.90	2.2	7.0
Electricity	2.20	1.60	0.70	0.80	1.3	34.5
Other	0.10	0.10	0.20	0.10	0.2	1.0
None						35.9
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

**Fig. 6.18 - Percentage of households by principal and secondary fuel used for cooking, CMPHS<sup>1/</sup> 2004****Table 6.12 - Percentage of households by main source of energy used for heating water for bathing - CMPHS<sup>1/</sup> 2004**

Main source of energy used	% of households reporting				
	1st quarter	2nd quarter	3rd quarter	4th quarter	Year
Gas	49.7	50.3	53.1	51.7	51.2
<i>of which: Stove</i>	38.0	34.9	35.6	34.2	35.7
<i>Water Heater</i>	11.7	15.4	17.5	17.5	15.5
Electricity	27.7	27.4	24.3	27.1	26.7
<i>of which: Electrical system inside bathroom</i>	22.3	21.8	18.7	22.3	21.3
<i>Electric kettle</i>	5.4	5.6	5.6	4.8	5.4
Wood	10.1	11.1	11.5	11.3	11.0
Solar water heater	4.1	5.1	4.4	3.1	4.2
kerosene stove	4.1	2.5	3.7	2.5	3.2
Other	0.3	0.5	0.2	0.3	0.3
Do not use hot water for bathing	4.0	3.1	2.8	4.0	3.4
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

**Table 6.13 - Percentage of households by measures taken to reduce electrical energy consumption- CMPHS<sup>1/</sup> 2004**

Measure	% of households reporting				
	1st quarter	2nd quarter	3rd quarter	4th quarter	Year
Turning off lights/electrical appliances when not in use	83.5	81.7	83.5	82.1	94.7
Use of other types of fuel instead of electricity for cooking	51.5	39.9	43.6	35.4	48.8
Use of other types of fuel instead of electricity for water heating	43.9	30.7	34.1	25.8	40.5
Use of low consumption electrical bulbs	39.3	39.8	30.7	27.1	37.2
Use of low consumption electrical appliances	27.6	27.9	18.1	15.1	25.4

1/Continuous Multipurpose Household Survey

Note: Figures are based on sample results of 8,640 households surveyed

**Table 6.14 - Findings from 'Energy Use' module of CMPHS<sup>1/</sup> 2009**

<b>Percentage of households:</b>	<b>%</b>
1. using a solar water heater	8.3
2. being aware of the facilities of cash value of Rs 10,000 issued by the Development Bank of Mauritius for the purchase of solar water heater	82.7
3. using a Residual Current Device (RCD)	60.5
4. taking measures to reduce consumption of electricity during peak times (6.00 pm to 8.00 pm) for normal periods of the year	80.2
5. taking measures to reduce consumption of electricity during peak times (6.00 pm to 8.00 pm) for summer time periods of the year	75.2
6. taking measures to reduce electrical energy consumption during the past 12 months	
(i) Shift more to LPG (gas) for cooking instead of electricity	22.2
(ii) Shift more to kerosene for cooking instead of electricity	0.8
(iii) Shift more to wood for cooking instead of electricity	5.0
(iv) Shift more to charcoal for cooking instead of electricity	0.8
(v) Use of other types of fuel instead of electricity for water heating	11.6
(vi) Use of low consumption electrical bulb	64.3
(vii) Use of low consumption electrical appliances	22.8
(viii) Turning off lights/electrical appliances when not in use	73.2
(ix) Adjust timing of activities according to summertime	49.4
(x) Other measures during summertime	22.3
(xi) Other measures	1.4
7. being aware of energy saving campaign conducted by the Ministry of Public Utilities and the CEB during the past 12 months	91.7

1/ Continuous Multipurpose Household Survey

Note: Figures are based on sample results of 6,390 households surveyed

**Table 6.15 - Percentage of households equipped with solar water heater, CMPHS <sup>1/</sup> 2012**

<b>Solar Water Heater</b>	<b>% of households</b>
Equipped	19.7
Not Equipped	80.3
<i>Interested to buy</i>	<i>41.2</i>
<i>Not interested to buy</i>	<i>39.1</i>
<b>Total</b>	<b>100.0</b>

**Table 6.16 - Percentage of households not interested to buy a solar water heater by reason, CMPHS <sup>1/</sup> 2012**

<b>Reason</b>	<b>% of households</b>
Not necessary	51.8
Too expensive	40.5
Not appropriate for region	2.6
Other reasons	5.1
<b>Total</b>	<b>100.0</b>

**Table 6.17 - Percentage of households by measures taken to reduce electrical energy consumption, CMPHS <sup>1/</sup> 2012**

<b>Measure</b>	<b>% of households reporting</b>
Turning off lights when not in use	97.5
Turning off electrical appliances when not in use	80.1
Use of low consumption electrical bulbs	73.8
Use of other types of fuel instead of electricity for cooking	73.5
Use of other types of fuel instead of electricity for water heating	62.7
Iron clothes in batch	52.5
Other measures	0.7

1/ Continuous Multipurpose Household Survey

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