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**DIGEST  
OF  
ENERGY AND WATER  
STATISTICS - 2010**

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# **DIGEST OF ENERGY AND WATER STATISTICS - 2010**

## **FOREWORD**

This is the thirteenth issue of a regular publication of Statistics Mauritius on energy and water statistics. It presents latest statistics on energy for the years 2001 to 2010, and on water for the period 2006 to 2010. 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)
Rod.	Island of Rodrigues
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	The maximum power available from a power station at a point in time: <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.
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

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.
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 and bagasse.
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	Combined loss of water by evaporation from the soil or surface.
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 Balance	The water balance is based on long term records of annual average rainfall and indicates how freshwater resources are distributed.
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	1	86
	<b>Terajoules(TJ)</b>	<b>toe</b>
Energy unit	0.041868	1

\* \* \* \* \*

## **ENERGY AND WATER STATISTICS, 2010 – An overview**

### **Introduction**

This issue of the 'Digest of Energy and Water Statistics, 2010' covers the period 2001 to 2010 for energy statistics, and the years 2006 to 2010 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, petroleum companies and Independent Power Producers (IPPs). All data refer to the Republic of Mauritius, unless otherwise specified. Some of the figures, given in the text below, have been rounded off for easy interpretation.

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 1.1 – 1.4) shows the supply and final uses of electricity and the different types of fuel in the national economy. Total primary energy requirement is obtained as the sum of indigenous production (hydro, fuelwood and bagasse) and imports less re-exports and bunkering, after stock adjustments. Final energy consumption is the total amount of energy required by end users as a final product. End-users are categorized into six sectors, namely manufacturing, transport, commercial and distributive trade, households, agriculture and other.

In order to compare the energy content of the different fuels, a common accounting unit, namely, tonne of oil equivalent (toe) is used. The energy balance in terajoules (TJ) is also presented for international comparison. The conversion factors are given on page 14.

### **2.2 Primary energy requirement**

The total primary energy requirement increased by 6.2%, from 1,347 ktoe in 2009 to 1,431 ktoe in 2010 (Table 2.1). Of this, imported fuels which are all fossil fuels accounted for 83.1% (1,189 ktoe) while locally available sources supplied the remaining 16.9% (242 ktoe).

In 2010, petroleum products which amounted to 775 ktoe, comprised mainly fuel oil (30.0%), diesel (27.6%), gasoline (16.5%) and aviation fuel (16.0%).

In 2010, coal requirement was 414 ktoe (29%), representing an increase of 12.1% over the 369 ktoe of 2009.

The local production (242 ktoe), that are all renewable, comprised bagasse (93.1%), hydro/wind electricity (3.7%), and fuelwood (3.2%).



The total primary energy requirement index, with 1990 as base year (1990 = 100), increased from 184.3 in 2009 to 195.8 in 2010 while the per capita primary energy requirement increased by 5.7%, from 1.06 toe in 2009 to 1.12 toe in 2010.

'Energy intensity' defined as total primary energy requirement (toe) per Rs 100,000 of GDP (in 1990 rupees) provides a measure of the efficiency with which energy is being used in production. As shown in Table 1.5, energy intensity, which was 1.43 in 2009 slightly increased to 1.46 in 2010. A lower ratio usually reflects a more efficient use of energy.

### ***2.2.1 Local production***

Total energy production from local renewable sources increased by 2.5% from 236 ktoe in 2009 to 242 ktoe in 2010. The contribution of bagasse increased from 218 ktoe to 225 ktoe. However, production of hydro/wind electricity decreased from 11 ktoe in 2009 to 9 ktoe in 2010. (Table 2.1)

### ***2.2.2 Imports of energy sources***

Data on imports of energy sources show that some 1,515 ktoe of petroleum products and coal were imported in 2010 compared to 1,366 ktoe in 2009 representing an increase of 10.9%. Petroleum products increased from 1,018 ktoe to 1,106 ktoe (+8.6%) and coal increased from 347 ktoe to 410 ktoe (+18.2%) (Table 2.3).

The import bill of petroleum products and coal increased to Rs 25,020 million in 2010, showing a 43.7% increase over Rs 17,408 million of the preceding year. (Table 2.5).

### ***2.2.3 Re-exports and bunkering***

Of the 1,515 ktoe of imported energy sources in 2010, about 352 ktoe (23.2%) were used for re-exports and bunkering. Re-exports consisted of 120 ktoe of aviation fuel (34.0%), 118 ktoe of fuel oil (33.6%) and 114 ktoe of diesel oil (32.4%). The following changes were noted compared to the previous year: Fuel Oil +14.6%, Diesel +3.6%, Aviation fuel +2.6%, overall +6.7% (Table 2.6).

## **2.3 Electricity**

### ***2.3.1 Electricity Generation***

Some 2,689 GWh (231 ktoe) of electricity was generated in 2010 as compared with 2,577 GWh (222 ktoe) in 2009, representing an increase of 4.3%. The Independent Power Producers (IPPs) supplied 59.1 % of the electricity generated and the Central Electricity Board (CEB), the remaining 40.9%. Thermal energy represented 96.2% and hydro/wind the remaining 3.8%. The peak power demand in 2010 reached 404.1 MW (+4.0%) in the Island of Mauritius as compared with 388.6 MW in 2009. (Tables 3.1 - 3.6)

### **2.3.2 Fuel input for electricity generation**

The different types of fuel used for electricity generation are shown in Table 3.7. Fuel input increased by 6.7% from 729 ktoe in 2009 to 778 ktoe in 2010. The major fuel was coal (51.2%), followed by fuel oil (24.2%) and bagasse (23.4%).

### **2.3.3 Electricity sales**

Electricity sales increased by 5.1%, from 2,069 GWh in 2009 to 2,174 GWh in 2010. The average sales price of electricity went up by 0.4 % from Rs 5.20 per kWh to Rs 5.22 per kWh during the same period (Table 4.7).

The per capita consumption of electricity sold per annum stood at 1,697 kWh in 2010 compared with 1,623 kWh in 2009 (Table 1.5).

## **2.4 Final energy consumption**

Final energy consumption rose by 5.6% from 809 ktoe in 2009 to 854 ktoe in 2010. “Transport” and “Manufacturing” were the two largest energy-consuming sectors accounting for 49.0% and 27.5% of energy consumed respectively. They were followed by “Household” (13.7%), “Commercial and Distributive Trade” (8.9%), “Agriculture” (0.5%) and “Others” (0.4%). A breakdown of the different types of fuel consumed by each sector and the respective amounts are given in Tables 4.1 to 4.6

### **2.4.1 Manufacturing**

Energy used for manufacturing processes increased by 4.9% from 224 ktoe in 2009 to 235 ktoe in 2010. The contribution of electricity was 80 ktoe (34.0%), diesel oil 47 ktoe (20.0%) and that of fuel oil and bagasse was 43 ktoe (18.3%) for each. The remaining fuels contributed around 21 ktoe (9.4%).

### **2.4.2 Transport**

In 2010, some 418 ktoe of energy were used for transportation, representing an increase of 6.9% over last year’s figure of 391 ktoe. Consumption of gasoline increased from 121 ktoe to 128 ktoe (+5.8%) and that of diesel oil from 155 ktoe to 162 ktoe (+4.5%). Consumption of aviation fuel increased from 110 ktoe in 2009 compared to 123 ktoe in 2010 (+11.8%) and the use of LPG in the transport sector in 2010 was the same as in 2009, that is 5 ktoe.

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

Total energy consumption by “Commercial and Distributive Trade” sector rose by 5.8% from 72.3 ktoe in 2009 to 76.5 ktoe in 2010. In this sector, electricity consumption increased by 6.1%, from 60.6 ktoe to 64.3 ktoe while LPG increased from 11.4 ktoe to 11.8 ktoe (3.5%).

#### 2.4.4 Household

Energy consumed by households in 2010 (excluding fuel used for transport) increased by 3.5% from 113 ktoe in 2009 to 117 ktoe in 2010. The two main sources of energy for households were electricity and LPG, representing 52.3% and 40.7% respectively of total energy consumed by households. Electricity consumption increased by 4.4% and that of LPG by 1.9%.

#### 2.4.5 Agriculture

Energy consumption in Agriculture went up from 4.1 ktoe in 2009 to 4.4 ktoe in 2010 (+7.3 %). Electricity and diesel were the only two sources of energy used in this sector. In 2010, about 2.0 ktoe of electricity were used mainly for irrigation while 2.3 ktoe of diesel oil were used mainly for mechanical operations in field.

### 3 Water

#### 3.1 Water balance

The estimated water balance for the Island of Mauritius is shown in Table 5.1. The water balance indicates how fresh water resources are distributed. In 2010, the Island of Mauritius registered 3,368 million of cubic metres (Mm<sup>3</sup>) of rainfall. Some 1,010 Mm<sup>3</sup> of water was lost through evapotranspiration, while surface run-off and net recharge to groundwater were 2,021 Mm<sup>3</sup> and 337 Mm<sup>3</sup> respectively.

#### 3.2 Rainfall

Table 5.6 shows the amount of rainfall recorded around the Island of Mauritius. During the year 2010, the mean amount of rainfall recorded around was 1,806 millimetres, a 24.7 % decrease compared with 2,397 millimetres registered in 2009. February was the wettest month of 2010, registering a mean rainfall of 374 mm whereas December was the driest month with a mean rainfall of 15 mm.

For the Island of Rodrigues, the mean rainfall registered in 2010 was 1,142 millimetres an increase of 20.5% compared with 948 in 2009. April recorded the highest amount of rainfall with 214 mm and September the least with 16 mm. (Table 5.7)

#### 3.3 Water storage level

In 2010, the minimum and maximum percentage water storage level of the different reservoirs were as follows:

Reservoir	Minimum		Maximum	
	%	Month	%	Month
Mare aux Vocoas	41	December	98	Feb
La Nicoliere	53		100	Jan, Feb, July & Aug
Piton du Milieu	37		100	Jan – Mar
La Ferme	43		100	Jan – Apr
Mare Longue	29		100	Feb – Apr
Midlands Dam	41		100	Jan – Jun, Aug - Sept

### 3.4 Water production

In 2010 about 223 million cubic metres (Mm<sup>3</sup>) of potable water was treated by the different treatment plants. This showed an increase of 1.4% compared with 220 Mm<sup>3</sup> in 2009. During 2010, average production from borehole and surface water represented 51% and 49% respectively (Table 5.9).

### 3.5 Water sales and revenue collectible

Total volume of water sold increased from 110 Mm<sup>3</sup> in 2009 to 115 Mm<sup>3</sup> in 2010 (+4.5%). In 2010, potable water made up 87.2% of the volume sold and the remaining 12.8% consisted of non-treated water. Water for domestic consumption amounted to 76.5 Mm<sup>3</sup>, accounting for nearly 66.5% of the total volume of water sold (Table 5.10).

The amount of revenue collectible for the year 2010 amounted to Rs 1,035.8 million, that is an increase of 3.7% over the amount of Rs 998.8 million for 2009 (Table 5.10).

\* \* \* \* \*

# Section I

## Energy balance & Main indicators

**Table 1.1 - Energy balance, 2010 (tonne of oil equivalent)**

Source  Flow		Tonne of oil equivalent (toe)														
		Fossil fuels							Renewables					Electricity	Total	
		Coal	Petroleum products					Total Petroleum Products	Fuel wood	Charcoal	Hydro	Wind	Bagasse			Total Renewables
Gasolene	Diesel		Aviation Fuel	Kerosene	Fuel Oil	LPG										
Local production	-	-	-	-	-	-	-	-	7,718	-	8,663	216	225,019	241,616	-	241,616
Imports	409,584	144,730	313,467	244,245	7,019	327,806	68,269	1,105,536	-	-	-	-	-	-	-	1,515,120
Re-exports and bunkering	-	-	(114,323)	(119,562)	-	(118,505)	-	(352,390)	-	-	-	-	-	-	-	(352,390)
Stock change / Statistical error	4,473	(17,046)	14,426	(1,388)	1,030	22,914	1,905	21,841	-	-	-	-	-	-	-	26,315
<b>Total Primary Energy Requirement</b>	<b>414,058</b>	<b>127,684</b>	<b>213,570</b>	<b>123,295</b>	<b>8,048</b>	<b>232,215</b>	<b>70,174</b>	<b>774,987</b>	<b>7,718</b>	<b>-</b>	<b>8,663</b>	<b>216</b>	<b>225,019</b>	<b>241,616</b>	<b>-</b>	<b>1,430,661</b>
Public electricity generation plant	-	-	(2,017)	-	(6,248)	(189,007)	-	(197,272)	-	-	(8,663)	(216)	-	(8,879)	94,495	(111,655)
Autoproducer plants	(398,690)	-	-	-	-	-	-	-	-	-	-	-	(182,461)	(182,461)	136,734	(444,418)
Other transformation	-	-	-	-	-	-	-	-	(869)	423	-	-	-	(446)	-	(446)
Own use	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(3,475)	(3,475)
Losses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(16,669)	(16,669)
<b>Total Final Consumption</b>	<b>15,367</b>	<b>127,684</b>	<b>211,554</b>	<b>123,295</b>	<b>1,800</b>	<b>43,209</b>	<b>70,174</b>	<b>577,716</b>	<b>6,849</b>	<b>423</b>	<b>-</b>	<b>-</b>	<b>42,558</b>	<b>49,830</b>	<b>211,085</b>	<b>853,998</b>
Manufacturing sector	15,367	-	47,008	-	-	43,209	5,532	95,749	542	-	-	-	42,558	43,100	80,354	234,570
Transport sector	-	127,684	162,197	123,295	-	-	5,012	418,188	-	-	-	-	-	-	-	418,188
Commercial and distributive trade sector	-	-	-	-	-	-	11,799	11,799	-	335	-	-	-	335	64,324	76,459
Household	-	-	-	-	1,800	-	47,584	49,384	6,307	88	-	-	-	6,395	61,122	116,901
Agriculture	-	-	2,348	-	-	-	-	2,348	-	-	-	-	-	-	2,050	4,398
Other	-	-	-	-	-	-	247	247	-	-	-	-	-	-	3,234	3,482

Note: figures in brackets represent negative quantities

Table 1.2 - Energy balance, 2010 (Terajoules )

Source  Flow		Fossil fuels								Renewables					Electricity	Total	
		Coal	Petroleum products							Fuel wood	Charcoal	Hydro	Wind	Bagasse			Total Renewables
			Gasolene	Diesel	Aviation Fuel	Kerosene	Fuel Oil	LPG	Total Petroleum products								
Local production	-	-	-	-	-	-	-	-	323	-	363	9	9,421	10,116	-	10,116	
Imports	17,148	6,060	13,124	10,226	294	13,725	2,858	46,287	-	-	-	-	-	-	-	63,435	
Re-exports and bunkering	-	-	(4,786)	(5,006)	-	(4,962)	-	(14,754)	-	-	-	-	-	-	-	(14,754)	
Stock change / Statistical error	187	(714)	604	(58)	43	959	80	914	-	-	-	-	-	-	-	1,102	
<b>Total Primary Energy Requirement</b>	<b>17,336</b>	<b>5,346</b>	<b>8,942</b>	<b>5,162</b>	<b>337</b>	<b>9,722</b>	<b>2,938</b>	<b>32,447</b>	<b>323</b>	<b>-</b>	<b>363</b>	<b>9</b>	<b>9,421</b>	<b>10,116</b>	<b>-</b>	<b>59,899</b>	
Public electricity generation plant	-	-	(84)	-	(262)	(7,913)	-	(8,259)	-	-	(363)	(9)	-	(372)	3,956	(4,675)	
Autoproducer plants	(16,692)	-	-	-	-	-	-	-	-	-	-	-	(7,639)	(7,639)	5,725	(18,607)	
Other transformation	-	-	-	-	-	-	-	-	(36)	18	-	-	-	(19)	-	(19)	
Own use	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(145)	(145)	
Losses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(698)	(698)	
<b>Total Final Consumption</b>	<b>643</b>	<b>5,346</b>	<b>8,857</b>	<b>5,162</b>	<b>75</b>	<b>1,809</b>	<b>2,938</b>	<b>24,188</b>	<b>287</b>	<b>18</b>	<b>-</b>	<b>-</b>	<b>1,782</b>	<b>2,086</b>	<b>8,838</b>	<b>35,755</b>	
Manufacturing sector	643	-	1,968	-	-	1,809	232	4,009	23	-	-	-	1,782	1,805	3,364	9,821	
Transport sector	-	5,346	6,791	5,162	-	-	210	17,509	-	-	-	-	-	-	-	17,509	
Commercial and distributive trade sector	-	-	-	-	-	-	494	494	-	14	-	-	-	14	2,693	3,201	
Household	-	-	-	-	75	-	1,992	2,068	264	4	-	-	-	268	2,559	4,894	
Agriculture	-	-	98	-	-	-	-	98	-	-	-	-	-	-	86	184	
Other	-	-	-	-	-	-	10	10	-	-	-	-	-	-	135	146	

Note: figures in brackets represent negative quantities

Table 1.3 - Energy balance, 2009<sup>1</sup> (tonne of oil equivalent )

Source  Flow		Fossil fuels							Renewables					Electricity	Total	
		Coal	Petroleum products						Fuel wood	Charcoal	Hydro	Wind	Bagasse			Total Renewables
			Gasolene	Diesel	Aviation Fuel	Kerosene	Fuel Oil	LPG								
Local production	-	-	-	-	-	-	-	-	7,703	-	10,527	129	217,976	236,334	-	236,334
Imports	347,138	112,790	290,895	212,888	4,310	329,989	67,566	1,018,438	-	-	-	-	-	-	-	1,365,576
Re-exports and bunkering	-	-	(109,657)	(117,217)	-	(103,412)	-	(330,286)	-	-	-	-	-	-	-	(330,286)
Stock change / Statistical error	22,204	7,811	25,444	14,825	2,346	1,354	1,288	53,068	-	-	-	-	-	-	-	75,272
<b>Total Primary Energy Requirement</b>	<b>369,342</b>	<b>120,600</b>	<b>206,683</b>	<b>110,496</b>	<b>6,656</b>	<b>227,931</b>	<b>68,854</b>	<b>741,220</b>	<b>7,703</b>	<b>-</b>	<b>10,527</b>	<b>129</b>	<b>217,976</b>	<b>236,334</b>	<b>-</b>	<b>1,346,897</b>
Public electricity generation plant	-	-	(2,789)	-	(5,121)	(182,980)	-	(190,890)	-	-	(10,527)	(129)	-	(10,656)	92,635	(108,911)
Autoproducer plants	(355,967)	-	-	-	-	-	-	-	-	-	-	-	(181,694)	(181,694)	129,025	(408,637)
Other transformation	-	-	-	-	-	-	-	-	(845)	412	-	-	-	(434)	-	(434)
Own use	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(3,354)	(3,354)
Losses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(16,988)	(16,988)
<b>Total Final Consumption</b>	<b>13,375</b>	<b>120,600</b>	<b>203,894</b>	<b>110,496</b>	<b>1,535</b>	<b>44,951</b>	<b>68,854</b>	<b>550,330</b>	<b>6,857</b>	<b>412</b>	<b>-</b>	<b>-</b>	<b>36,281</b>	<b>43,550</b>	<b>201,317</b>	<b>808,572</b>
Manufacturing sector	13,375	-	46,341	-	-	44,951	5,408	96,699	542	-	-	-	36,281	36,823	77,163	224,060
Transport sector	-	120,600	155,244	110,496	-	-	4,954	391,294	-	-	-	-	-	-	-	391,294
Commercial and distributive trade sector	-	-	-	-	-	-	11,421	11,421	-	324	-	-	-	324	60,561	72,306
Household	-	-	-	-	1,535	-	46,696	48,231	6,315	88	-	-	-	6,403	58,491	113,125
Agriculture	-	-	2,309	-	-	-	-	2,309	-	-	-	-	-	-	1,761	4,069
Other	-	-	-	-	-	-	376	376	-	-	-	-	-	-	3,342	3,718

<sup>1</sup> Revised

Note: figures in brackets represent negative quantities



Table 1.4 - Energy balance, 2009 (Terajoules )

Source  Flow		Fossil fuels								Renewables					Electricity	Total	
		Coal	Petroleum products							Fuel wood	Charcoal	Hydro	Wind	Bagasse			Total Renewables
			Gasolene	Diesel	Aviation Fuel	Kerosene	Fuel Oil	LPG	Total Petroleum products								
Local production	-	-	-	-	-	-	-	-	322	-	441	5	9,126	9,895	-	9,895	
Imports	14,534	4,722	12,179	8,913	180	13,816	2,829	42,640	-	-	-	-	-	-	-	57,174	
Re-exports and bunkering	-	-	(4,591)	(4,908)	-	(4,330)	-	(13,828)	-	-	-	-	-	-	-	(13,828)	
Stock change / Statistical error	930	327	1,065	621	98	57	54	2,222	-	-	-	-	-	-	-	3,152	
<b>Total Primary Energy Requirement</b>	<b>15,464</b>	<b>5,049</b>	<b>8,653</b>	<b>4,626</b>	<b>279</b>	<b>9,543</b>	<b>2,883</b>	<b>31,033</b>	<b>322</b>	<b>-</b>	<b>441</b>	<b>5</b>	<b>9,126</b>	<b>9,895</b>	<b>-</b>	<b>56,392</b>	
Public electricity generation plant	-	-	(117)	-	(214)	(7,661)	-	(7,992)	-	-	(441)	(5)	-	(446)	3,878	(4,560)	
Autoproducer plants	(14,904)	-	-	-	-	-	-	-	-	-	-	-	(7,607)	(7,607)	5,402	(17,109)	
Other transformation	-	-	-	-	-	-	-	-	(35)	17	-	-	-	(18)	-	(18)	
Own use	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(140)	(140)	
Losses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(711)	(711)	
<b>Total Final Consumption</b>	<b>560</b>	<b>5,049</b>	<b>8,537</b>	<b>4,626</b>	<b>64</b>	<b>1,882</b>	<b>2,883</b>	<b>23,041</b>	<b>287</b>	<b>17</b>	<b>-</b>	<b>-</b>	<b>1,519</b>	<b>1,823</b>	<b>8,429</b>	<b>33,853</b>	
Manufacturing sector	560	-	1,940	-	-	1,882	226	4,049	23	-	-	-	1,519	1,542	3,231	9,381	
Transport sector	-	5,049	6,500	4,626	-	-	207	16,383	-	-	-	-	-	-	-	16,383	
Commercial and distributive trade sector	-	-	-	-	-	-	478	478	-	14	-	-	-	14	2,536	3,027	
Household	-	-	-	-	64	-	1,955	2,019	264	4	-	-	-	268	2,449	4,736	
Agriculture	-	-	97	-	-	-	-	97	-	-	-	-	-	-	74	170	
Other	-	-	-	-	-	(0)	16	16	-	-	-	-	-	-	140	156	

Note: figures in brackets represent negative quantities

**Table 1.5 - Main energy indicators, 2001 - 2010**

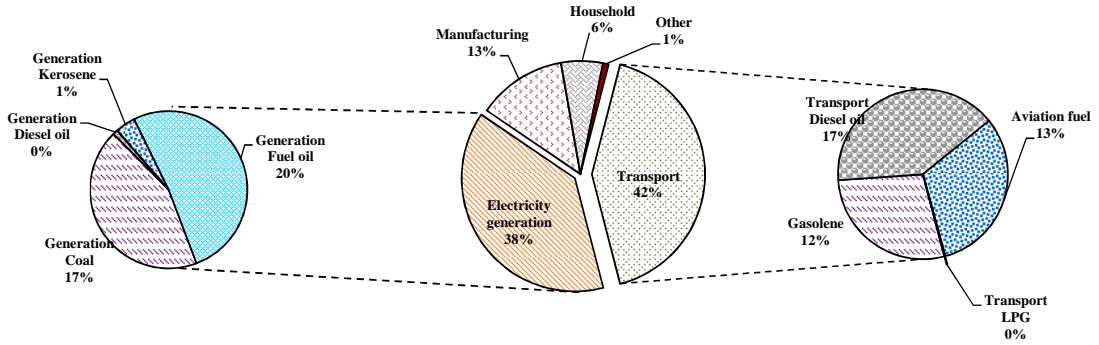
Details	Unit	2001	2002	2003	2004	2005	2006	2007	2008	2009 <sup>1</sup>	2010 <sup>2</sup>
Total primary energy requirement	ktoe	1,182.0	1,157.3	1,222.8	1,255.8	1,293.2	1,376.8	1,381.8	1,404.4	1,346.9	1,430.7
<i>Imported</i>	ktoe	901.2	898.8	956.3	980.1	1,030.5	1,122.1	1,136.0	1,140.9	1,110.6	1,189.0
<i>Local</i>	ktoe	280.9	258.6	266.5	275.7	262.6	254.6	245.8	263.5	236.3	241.6
Total primary energy requirement index (1990 = 100)		161.8	158.4	167.3	171.8	177.0	188.4	189.1	192.2	184.3	195.8
Annual increase	%	+6.2	-2.1	5.7	+2.7	+3.0	+6.5	+0.4	+1.6	-4.1	+6.2
Import dependency	%	76.2	77.7	78.2	78.0	79.7	81.5	82.2	81.2	82.5	83.1
GDP in 1990 rupees	Rs. Million	68,490	69,604	73,769	76,941	78,058	81,582	86,375	91,125	93,888	97,832
GDP index (1990 = 100)		172.8	175.6	186.1	194.2	197.0	205.9	218.0	229.9	236.9	246.9
Energy intensity	toe per Rs.100,000 GDP	1.69	1.62	1.66	1.63	1.66	1.69	1.60	1.54	1.43	1.46
Mid-year population	thousand	1,200	1,210	1,223	1,233	1,243	1,253	1,260	1,269	1,275	1,281
Per capita primary energy requirement	toe	0.99	0.96	1.00	1.02	1.04	1.10	1.10	1.11	1.06	1.12
Per capita final energy consumption	toe	0.65	0.63	0.67	0.68	0.68	0.70	0.68	0.66	0.63	0.67
Per capita consumption of electricity sold	kWh	1,222	1,248	1,330	1,382	1,430	1,501	1,567	1,619	1,623	1,697

<sup>1</sup> Revised

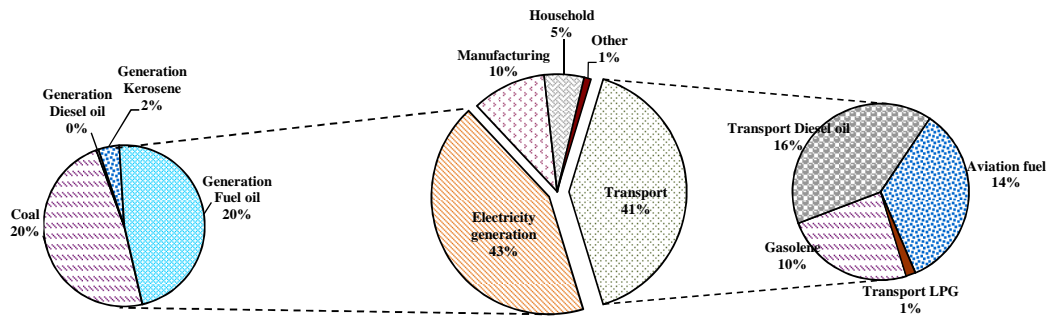
<sup>2</sup> Provisional

**Fig 1.1 - Percentage distribution of Primary Energy Requirement of fossil fuels by consumption - 2000, 2005 and 2010**

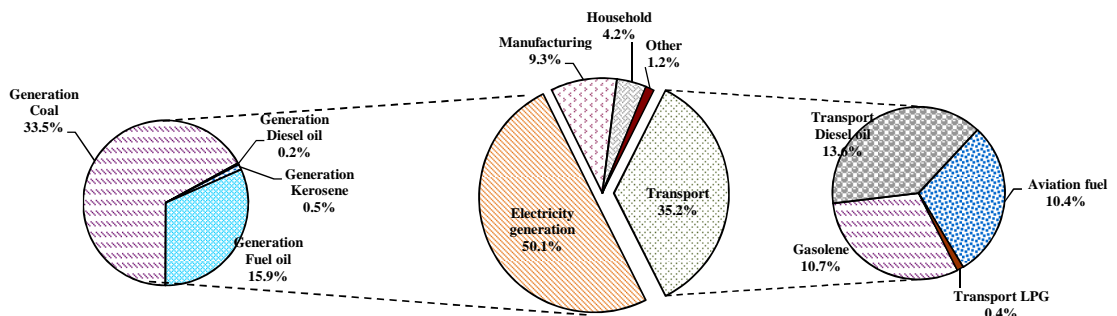
**2000**



**2005**



**2010**



## Section II

Primary energy requirement

Table 2.1 - Primary energy requirement, 2001- 2010

Energy source	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
	<b>Physical unit (Thousand tonne or GWh)</b>									
<b>Imported (Fossil fuels)</b>										
Coal	299.2	312.8	316.2	289.3	363.8	484.5	572.6	651.4	595.7	667.8
<b>Petroleum products</b>										
Gasolene	87.7	87.5	89.2	90.4	92.7	89.1	98.9	101.4	111.7	118.2
Diesel Oil	188.7	196.8	208.8	213.8	212.1	228.3	205.3	203.4	204.6	211.5
Dual Purpose Kerosene	137.9	122.8	141.8	162.3	165.1	146.8	140.4	135.5	112.6	126.3
<i>Aviation Fuel</i>	<i>124.7</i>	<i>109.0</i>	<i>123.6</i>	<i>137.0</i>	<i>137.6</i>	<i>141.1</i>	<i>138.1</i>	<i>131.6</i>	<i>106.2</i>	<i>118.6</i>
<i>Kerosene</i>	<i>13.2</i>	<i>13.9</i>	<i>18.1</i>	<i>25.3</i>	<i>27.5</i>	<i>5.8</i>	<i>2.3</i>	<i>3.9</i>	<i>6.4</i>	<i>7.7</i>
Fuel Oil	246.0	241.1	260.1	269.9	263.8	284.6	262.4	222.2	237.4	241.9
LPG	47.1	48.6	51.7	54.9	60.9	63.9	63.8	62.9	63.8	65.0
<b>Local (Renewables)</b>										
Hydro/Wind      GWh	71	86	118	123	115	77	84	108.4	123.9	103.2
Bagasse <sup>1</sup>	1,671.5	1,524.4	1,557.0	1,611.2	1,531.9	1,500.2	1,440.9	1,540.2	1,362.3	1,406.4
Fuelwood <sup>1</sup>	19.3	19.2	19.1	19.3	20.0	21.0	21.1	20.3	20.3	20.3
	<b>Energy unit (ktoe)</b>									
<b>Imported (Fossil fuels)</b>	<b>901.2</b>	<b>898.8</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>
Coal	185.5	193.9	196.0	179.4	225.6	300.4	355.0	403.9	369.3	414.1
<b>Petroleum products</b>	<b>715.7</b>	<b>704.8</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>
Gasolene	94.8	94.5	96.4	97.6	100.1	96.2	106.9	109.5	120.6	127.7
Diesel Oil	190.6	198.7	210.9	216.0	214.2	230.6	207.4	205.4	206.7	213.6
Dual Purpose Kerosene	143.4	127.7	147.4	168.8	171.7	152.7	146.0	140.9	117.2	131.3
<i>Aviation Fuel</i>	<i>129.6</i>	<i>113.3</i>	<i>128.6</i>	<i>142.5</i>	<i>143.1</i>	<i>146.7</i>	<i>143.6</i>	<i>136.9</i>	<i>110.5</i>	<i>123.3</i>
<i>Kerosene</i>	<i>13.8</i>	<i>14.4</i>	<i>18.9</i>	<i>26.3</i>	<i>28.6</i>	<i>6.0</i>	<i>2.4</i>	<i>4.0</i>	<i>6.7</i>	<i>8.0</i>
Fuel Oil	236.1	231.4	249.7	259.1	253.3	273.3	251.9	213.3	227.9	232.2
LPG	50.8	52.5	55.8	59.2	65.7	69.0	68.9	67.9	68.9	70.2
<b>Local (Renewables)</b>	<b>280.9</b>	<b>258.6</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>
Hydro/Wind	6.1	7.4	10.1	10.6	9.9	6.6	7.2	9.3	10.7	8.9
Bagasse <sup>1</sup>	267.4	243.9	249.1	257.8	245.1	240.0	230.5	246.4	218.0	225.0
Fuelwood <sup>1</sup>	7.3	7.3	7.3	7.3	7.6	8.0	8.0	7.7	7.7	7.7
<b>Total</b>	<b>1,182.0</b>	<b>1,157.3</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>Percentage (%)</b>									
<b>Imported (Fossil fuels)</b>	<b>76.2</b>	<b>77.7</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>
Coal	15.7	16.8	16.0	14.3	17.4	21.8	25.7	28.8	27.4	28.9
<b>Petroleum products</b>	<b>60.5</b>	<b>60.9</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>
Gasolene	8.0	8.2	7.9	7.8	7.7	7.0	7.7	7.8	9.0	8.9
Diesel Oil	16.1	17.2	17.3	17.2	16.6	16.7	15.0	14.6	15.3	14.9
Dual Purpose Kerosene	12.1	11.0	12.1	13.4	13.3	11.1	10.6	10.0	8.7	9.2
<i>Aviation Fuel</i>	<i>11.0</i>	<i>9.8</i>	<i>10.5</i>	<i>11.3</i>	<i>11.1</i>	<i>10.7</i>	<i>10.4</i>	<i>9.7</i>	<i>8.2</i>	<i>8.6</i>
<i>Kerosene</i>	<i>1.2</i>	<i>1.2</i>	<i>1.5</i>	<i>2.1</i>	<i>2.2</i>	<i>0.4</i>	<i>0.2</i>	<i>0.3</i>	<i>0.5</i>	<i>0.6</i>
Fuel Oil	20.0	20.0	20.4	20.6	19.6	19.8	18.2	15.2	16.9	16.2
LPG	4.3	4.5	4.6	4.7	5.1	5.0	5.0	4.8	5.1	4.9
<b>Local (Renewables)</b>	<b>23.8</b>	<b>22.3</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>
Hydro/Wind	0.5	0.6	0.8	0.8	0.8	0.5	0.5	0.7	0.8	0.6
Bagasse <sup>1</sup>	22.6	21.1	20.4	20.5	19.0	17.4	16.7	17.5	16.2	15.7
Fuelwood <sup>1</sup>	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.6	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> Estimates

Fig 2.1 - Primary energy requirement by main energy sources, 2001 - 2010

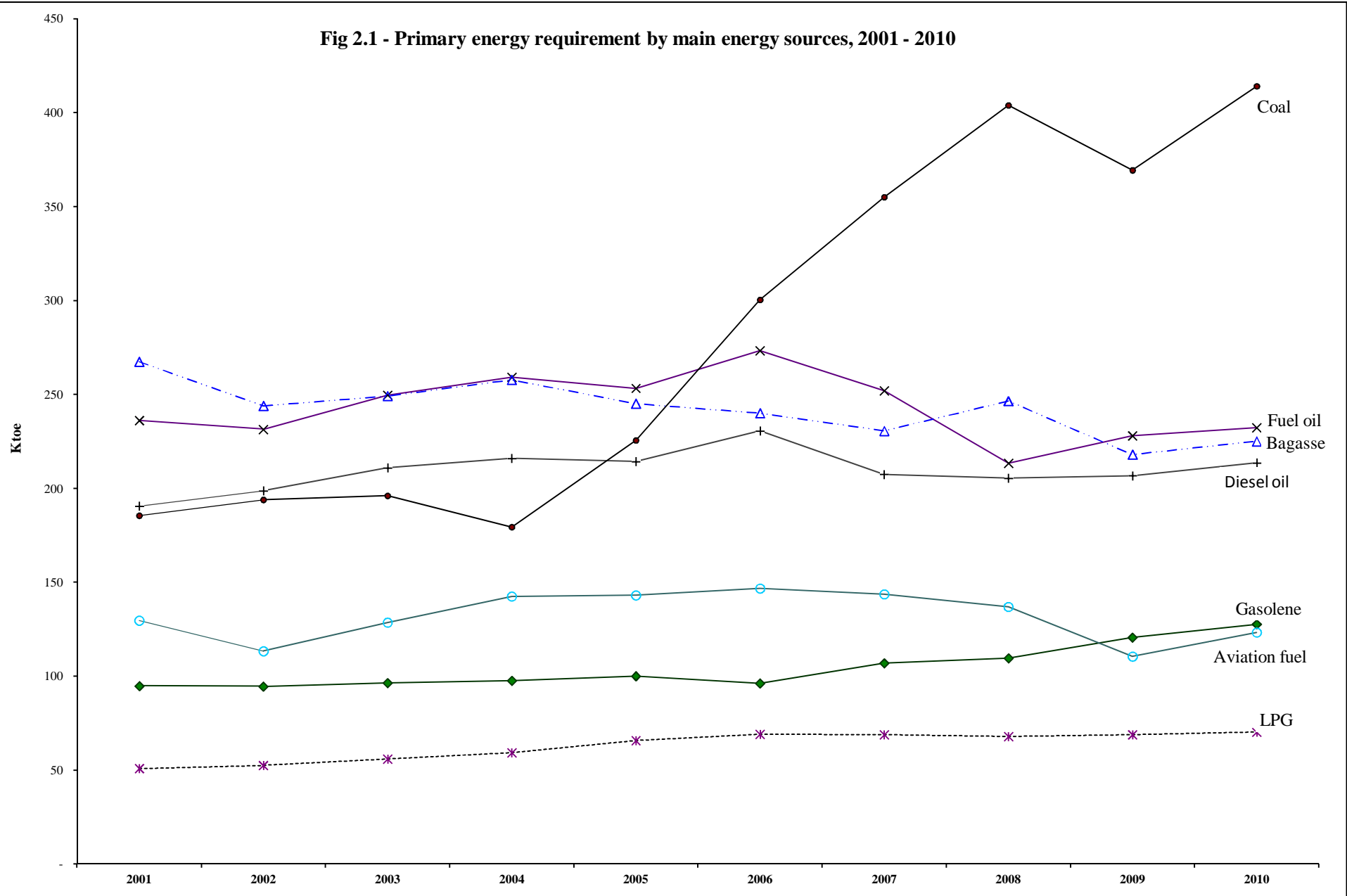


Table 2.2 - Imports of energy sources (Physical unit), 2001 - 2010

Thousand tonne

Energy source	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
<b>Fossil fuels</b>										
Coal	347.5	312.0	289.4	331.8	379.3	490.3	647.8	606.5	559.9	660.6
Gasolene	86.8	80.3	86.8	87.7	86.8	88.9	96.4	108.5	104.4	134.0
Diesel oil	338.0	346.4	309.2	319.7	329.9	327.5	307.5	328.5	288.0	310.4
Dual Purpose Kerosene	214.2	225.5	227.7	256.8	248.0	242.0	266.4	268.1	208.8	241.6
<i>Aviation Fuel</i>	202.2	211.1	207.5	227.0	220.1	236.0	262.6	262.2	204.7	234.9
<i>Kerosene</i>	12.0	14.3	20.2	29.8	27.9	6.0	3.7	5.9	4.1	6.7
Fuel oil	275.1	208.6	288.0	288.8	337.5	304.4	333.9	291.0	343.7	341.5
LPG	43.9	54.1	48.8	53.8	62.7	58.8	62.8	63.1	62.6	63.2

Table 2.3 - Imports of energy sources (Energy unit), 2001 - 2010

ktoe

Energy source	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
<b>Fossil fuels</b>										
Coal	215.4	193.5	179.4	205.7	235.1	304.0	401.6	376.0	347.1	409.6
Petroleum products	<b>969.4</b>	<b>929.7</b>	<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>1,105.5</b>
Gasolene	93.7	86.7	93.7	94.7	93.7	96.0	104.1	117.2	112.8	144.7
Diesel oil	341.4	349.9	312.3	322.9	333.2	330.8	310.6	331.7	290.9	313.5
Dual Purpose Kerosene	222.7	234.5	236.8	267.1	257.9	251.7	277.0	278.8	271.2	251.3
<i>Aviation Fuel</i>	210.3	219.6	215.8	236.1	228.9	245.4	273.1	272.7	212.9	244.2
<i>Kerosene</i>	12.5	14.9	21.0	31.0	29.0	6.3	3.9	6.1	4.3	7.0
Fuel oil	264.1	200.2	276.5	277.3	324.0	292.2	320.6	279.4	330.0	327.8
LPG	47.4	58.4	52.7	58.1	67.7	63.5	67.8	68.2	67.6	65.3
<b>Total imports</b>	<b>1,184.8</b>	<b>1,123.2</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>1,515.1</b>

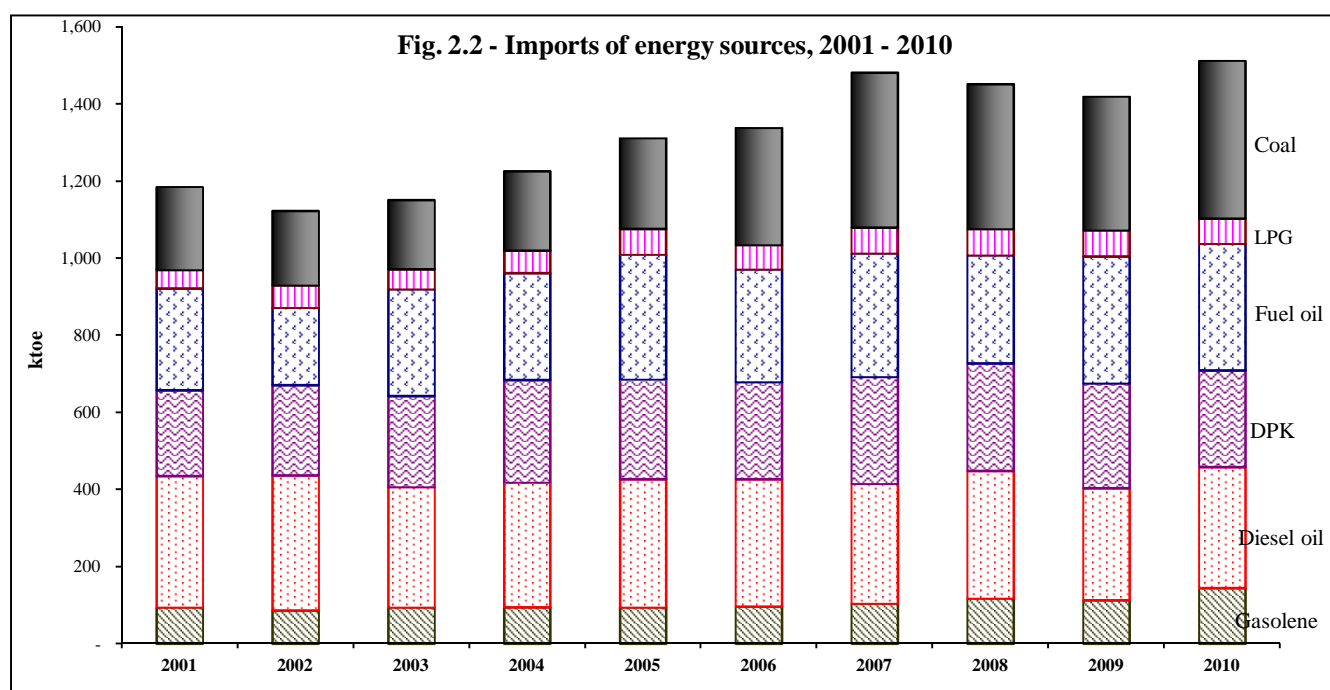


Table 2.4 - Imports of energy sources by country of origin (Physical unit), 2001 - 2010

	Tonne									
Country	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
<b>Coal</b>	<b>347,462</b>	<b>312,031</b>	<b>289,373</b>	<b>331,826</b>	<b>379,263</b>	<b>490,324</b>	<b>647,782</b>	<b>606,532</b>	<b>559,900</b>	<b>660,620</b>
Mozambique	-	157,645	113,669	164,909	168,282	80,723	-	-	-	-
South Africa	347,462	154,386	175,704	166,917	210,981	409,601	647,782	606,532	559,900	660,620
<b>Gasolene</b>	<b>86,773</b>	<b>80,297</b>	<b>86,802</b>	<b>87,706</b>	<b>86,759</b>	<b>88,880</b>	<b>96,387</b>	<b>108,509</b>	<b>104,435</b>	<b>134,009</b>
Bahrain	26,148	19,837	52,434	58,958	35,197	12,985	-	-	-	-
India	-	-	-	-	5,469	48,497.00	96,387	108,509	104,435	134,008
Reunion Island	-	-	-	-	2,013	-	-	-	-	-
Saudi Arabia	15,065	26,907	28,205	7,461	4,712	4,793	-	-	-	-
Singapore	3,074	-	-	-	4,413	-	-	-	-	1
South Africa	30,038	16,190	-	5,952	-	-	-	-	-	-
Tanzania	-	-	-	1,949	-	-	-	-	-	-
United Arab Emirates	12,448	17,363	6,163	13,386	34,955	22,605	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
<b>Diesel</b>	<b>338,044</b>	<b>346,401</b>	<b>309,215</b>	<b>319,732</b>	<b>329,922</b>	<b>327,492</b>	<b>307,485</b>	<b>328,453</b>	<b>288,015</b>	<b>310,363</b>
Bahrain	62,967	87,179	160,788	142,140	139,997	14,525	-	-	-	-
India	-	-	22,848	35,208	37,934	187,927	307,485	328,453	288,015	310,363
Kuwait	-	-	-	21,898	-	-	-	-	-	-
Saudi Arabia	90,262	99,745	96,136	95,042	130,732	108,131	-	-	-	-
Singapore	20,777	-	-	-	15,378	-	-	-	-	-
South Africa	123,223	58,841	13,479	-	5,881	-	-	-	-	-
United Arab Emirates	40,815	100,636	6,884	25,444	-	16,909	-	-	-	-
Yemen	-	-	9,080	-	-	-	-	-	-	-
<b>Kerosene (excl. jet fuel)</b>	<b>11,986</b>	<b>14,338</b>	<b>20,185</b>	<b>29,847</b>	<b>27,899</b>	<b>6,026</b>	<b>3,723</b>	<b>5,910</b>	<b>4,144</b>	<b>6,749</b>
Bahrain	4,789	3,960	7,725	9,296	20,992	3,106	-	-	-	-
India	-	-	-	6,199	989	1,622	2,987	5,910	4,144	6,749
Quatar	-	-	-	-	-	156	-	-	-	-
Saudi Arabia	3,290	3,721	7,980	12,576	4,129	1,142	-	-	-	-
Seychelles	-	-	-	-	-	-	736	-	-	-
Singapore	26	-	-	-	191	-	-	-	-	-
South Africa	3,699	2,477	2,521	-	-	-	-	-	-	-
Tanzania	-	-	-	89	1,598	-	-	-	-	-
United Arab Emirates	182	4,180	1,864	1,687	-	-	-	-	-	-
Yemen	-	-	95	-	-	-	-	-	-	-
<b>Jet fuel type kerosene</b>	<b>202,187</b>	<b>211,127</b>	<b>207,511</b>	<b>226,995</b>	<b>220,075</b>	<b>235,965</b>	<b>262,627</b>	<b>262,206</b>	<b>204,700</b>	<b>234,851</b>
Bahrain	44,066	37,996	119,280	165,036	125,946	37,767	-	-	-	-
India	-	-	-	14,407	16,962	109,056	257,687	262,206	204,700	234,851
Quatar	-	-	-	-	-	12,734	-	-	-	-
Saudi Arabia	44,896	66,857	65,849	19,190	61,817	76,408	-	-	-	-
Seychelles	-	-	-	-	-	-	4,940	-	-	-
Singapore	5,158	-	-	-	11,807	-	-	-	-	-
South Africa	71,815	40,956	9,046	-	-	-	-	-	-	-
Tanzania	-	-	-	2,808	3,543	-	-	-	-	-
United Arab Emirates	36,252	65,318	7,160	25,554	-	-	-	-	-	-
Yemen	-	-	6,176	-	-	-	-	-	-	-
<b>Fuel Oil</b>	<b>275,138</b>	<b>208,581</b>	<b>287,985</b>	<b>288,818</b>	<b>337,484</b>	<b>304,391</b>	<b>333,939</b>	<b>291,046</b>	<b>343,739</b>	<b>341,465</b>
Bahrain	5,867	-	-	-	-	-	-	-	-	-
India	18,055	-	-	-	-	98,970	333,939	291,046	343,739	341,465
Iran	42,976	31,000	-	27,061	-	-	-	-	-	-
Kenya	-	-	-	-	-	-	-	-	-	-
Madagascar	98,076	40,587	199,830	103,974	-	-	-	-	-	-
Saudi Arabia	6,956	-	-	-	-	-	-	-	-	-
Singapore	-	23,827	-	-	-	-	-	-	-	-
South Africa	28,847	17,261	30,045	60,549	45,265	31,471	-	-	-	-
Ukraine	-	18,177	24,200	-	-	-	-	-	-	-
United Arab Emirates	74,361	77,729	33,910	97,234	292,219	173,950	-	-	-	-
<b>LPG</b>	<b>43,888</b>	<b>54,060</b>	<b>48,822</b>	<b>53,780</b>	<b>62,713</b>	<b>58,762</b>	<b>62,763</b>	<b>63,110</b>	<b>62,561</b>	<b>63,212</b>
Angola	-	-	-	-	-	-	-	-	-	2,451
Australia	-	-	-	-	-	6,191	-	2,969	4,949	7,769
Bahrain	-	-	-	9,528	8,936	-	-	-	-	-
France	-	4,842	2,724	-	-	-	-	-	-	-
Guinea	-	-	-	-	-	-	-	19,663	-	13,964
India	-	-	-	-	-	-	-	5,970	2,384	10,599
Indonesia	-	-	-	1,943	3,654	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	30,818	9,067
Madagascar	-	-	-	-	-	-	-	5,544	5,837	-
Malaysia	7,126	9,281	10,550	17,259	42,115	29,660	-	-	-	-
Oman	-	-	-	-	-	12,915	-	-	-	-
Philippines	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	2,029	-	-	-	-	50,841	19,842	-	2,499
Singapore	2,091	15,793	22,217	3,322	-	-	-	-	-	-
South Africa	34,671	18,890	13,007	5,531	-	8,446	36	6,571	-	-
Taiwan	-	-	-	-	-	-	-	2,551	-	-
United Arab Emirates	-	-	-	13,727	6,159	1,550	11,886	-	14,994	16,863
Vietnam	-	-	-	-	-	-	-	-	3,579	-
Yemen	-	3,225	324	2,470	1,849	-	-	-	-	-
Other countries	-	1,874	2,693	-	-	-	-	-	-	-



**Table 2.5 - Imports value of energy sources by country of origin, 2001 - 2010**

Value (c.i.f.): Rs(000)										
Country	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
<b>Coal</b>	<b>390,951</b>	<b>342,748</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>2,290,138</b>
Mozambique	-	171,803	115,227	289,483	346,844	141,251	-	-	-	-
South Africa	390,951	170,945	192,623	230,191	419,810	813,014	1,597,689	2,174,661	1,792,027	2,290,138
<b>Gasolene</b>	<b>646,125</b>	<b>605,654</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>3,417,891</b>
Bahrain	203,232	164,003	439,731	686,478	526,795	301,504	-	-	-	-
India	-	-	-	-	82,960	1,023,652.00	2,180,054	2,690,298	2,022,369	3,417,865
Reunion Island	-	-	-	-	25,040	-	-	-	-	-
Saudi Arabia	110,845	222,842	258,132	89,363	104,960	82,715	-	-	-	-
Singapore	26,345	-	-	-	94,674	-	-	-	-	26
South Africa	218,891	89,057	-	48,099	-	-	-	-	-	-
Tanzania	-	-	-	26,860	-	-	-	-	-	-
United Arab Emirates	86,812	129,752	50,647	179,819	618,343	469,447	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
<b>Diesel</b>	<b>2,046,171</b>	<b>2,223,576</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>
Bahrain	392,692	617,939	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
Kuwait	-	-	-	188,187	-	-	-	-	-	-
Saudi Arabia	580,062	667,094	662,637	798,739	1,928,116	2,103,149	-	-	-	-
Singapore	131,704	-	-	-	265,007	-	-	-	-	-
South Africa	710,386	298,879	96,965	-	68,275	-	-	-	-	-
United Arab Emirates	231,327	639,664	46,240	296,146	-	300,066	-	-	-	-
Yemen	-	-	56,027	-	-	-	-	-	-	-
<b>Kerosene (excl. jet fuel)</b>	<b>84,912</b>	<b>102,760</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>
Bahrain	34,503	32,509	65,965	95,272	339,893	61,107	-	-	-	-
India	-	-	-	85,338	14,218	36,158	65,507	174,630	77,095	154,537
Quatar	-	-	-	-	-	3,026	-	-	-	-
Saudi Arabia	25,560	27,076	69,549	118,225	78,877	23,591	-	-	-	-
Seychelles	-	-	-	-	-	-	17,263	-	-	-
Singapore	185	-	-	-	3,695	-	-	-	-	-
South Africa	23,874	14,204	19,807	-	-	-	-	-	-	-
Tanzania	-	-	-	1,186	20,142	-	-	-	-	-
United Arab Emirates	790	28,971	12,628	21,422	-	-	-	-	-	-
Yemen	-	-	599	-	-	-	-	-	-	-
<b>Jet fuel type kerosenc</b>	<b>1,335,866</b>	<b>1,460,996</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>
Bahrain	309,308	283,167	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
Quatar	-	-	-	-	-	246,974	-	-	-	-
Saudi Arabia	314,388	506,813	514,338	164,799	1,075,386	1,580,134	-	-	-	-
Seychelles	-	-	-	-	-	-	115,865	-	-	-
Singapore	36,621	-	-	-	228,443	-	-	-	-	-
South Africa	451,940	235,954	71,072	-	-	-	-	-	-	-
Tanzania	-	-	-	37,414	44,658	-	-	-	-	-
United Arab Emirates	223,609	435,062	48,505	319,246	-	-	-	-	-	-
Yemen	-	-	38,920	-	-	-	-	-	-	-
<b>Fuel Oil</b>	<b>1,213,934</b>	<b>1,067,208</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>
Bahrain	25,204	-	-	-	-	-	-	-	-	-
India	70,227	-	-	-	-	1,007,673	4,028,957	4,580,564	4,353,206	5,112,788
Iran	183,394	147,318	-	169,758	-	-	-	-	-	-
Kenya	-	-	-	-	-	-	-	-	-	-
Madagascar	430,723	196,684	995,205	533,680	-	-	-	-	-	-
Saudi Arabia	37,743	-	-	-	-	-	-	-	-	-
Singapore	-	115,267	-	-	-	-	-	-	-	-
South Africa	126,509	85,306	155,703	319,129	422,635	327,479	-	-	-	-
Ukraine	-	99,460	123,874	-	-	-	-	-	-	-
United Arab Emirates	340,134	423,173	178,095	599,045	2,387,883	1,996,272	-	-	-	-
<b>LPG</b>	<b>517,009</b>	<b>514,691</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>
Angola	-	-	-	-	-	-	-	-	-	60,806
Australia	-	-	-	-	-	132,400	-	94,103	90,435	188,800
Bahrain	-	-	-	116,753	138,513	-	-	-	-	-
France	-	43,961	24,209	-	-	-	-	-	-	-
Guinea	-	-	-	-	-	-	-	605,544	-	326,425
India	-	-	-	-	-	-	-	165,363	63,092	275,665
Indonesia	-	-	-	20,416	55,155	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	710,991	243,987
Madagascar	-	-	-	-	-	-	-	172,432	103,463	-
Malaysia	83,650	89,409	106,065	202,200	728,873	625,405	-	-	-	-
Oman	-	-	-	-	-	274,834	-	-	-	-
Philippines	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	17,677	-	-	-	-	1,214,822	523,424	-	61,680
Singapore	25,037	157,050	217,298	42,408	-	-	-	-	-	-
South Africa	408,322	170,911	140,889	78,942	-	183,519	940	181,107	-	-
Taiwan	-	-	-	-	-	-	-	76,818	-	-
United Arab Emirates	-	-	-	151,845	95,634	30,252	265,822	-	278,968	477,150
Vietnam	-	-	-	-	-	-	-	-	75,226	-
Yemen	-	35,683	3,756	26,825	29,213	-	-	-	-	-
Other countries	-	19,761	25,980	-	-	-	-	-	-	-
<b>All energy sources</b>	<b>6,234,968</b>	<b>6,317,633</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>17,408,037</b>	<b>25,019,959</b>
Percentage of total imports value	10.8%	9.8%	10.6%	12.7%	16.1%	16.3%	17.9%	20.9%	15.2%	18.5%

**Table 2.6 - Re-exports and bunkering of energy sources, 2001- 2010**

Energy re-exported	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
	<i>Thousand tonne</i>									
Aviation fuel for foreign aircraft	76.0	92.8	88.7	88.4	96.9	100.0	116.8	125.5	112.7	115.0
Diesel oil	156.7	138.5	97.7	105.2	135.4	122.3	118.4	117.3	108.6	113.2
Fuel oil	44.0	26.7	34.8	40.1	54.7	49.1	75.7	96.2	107.7	123.4
	<i>Ktoe</i>									
Aviation fuel for foreign aircraft	79.0	96.5	92.3	91.9	100.7	104.0	121.4	130.5	117.2	119.6
Diesel oil	158.3	139.9	98.6	106.2	136.8	123.5	119.5	118.5	109.7	114.3
Fuel oil	42.2	25.6	33.4	38.5	52.6	47.1	72.6	92.3	103.4	118.5
<b>Total</b>	<b>279.5</b>	<b>262.1</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>
	<i>%</i>									
Aviation fuel for foreign aircraft	28.3	36.8	41.1	38.8	34.7	37.9	38.7	38.2	35.5	33.9
Diesel oil	56.6	53.4	44.0	44.9	47.2	45.0	38.1	34.7	33.2	32.5
Fuel oil	15.1	9.8	14.9	16.3	18.1	17.2	23.2	27.1	31.3	33.6
<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>

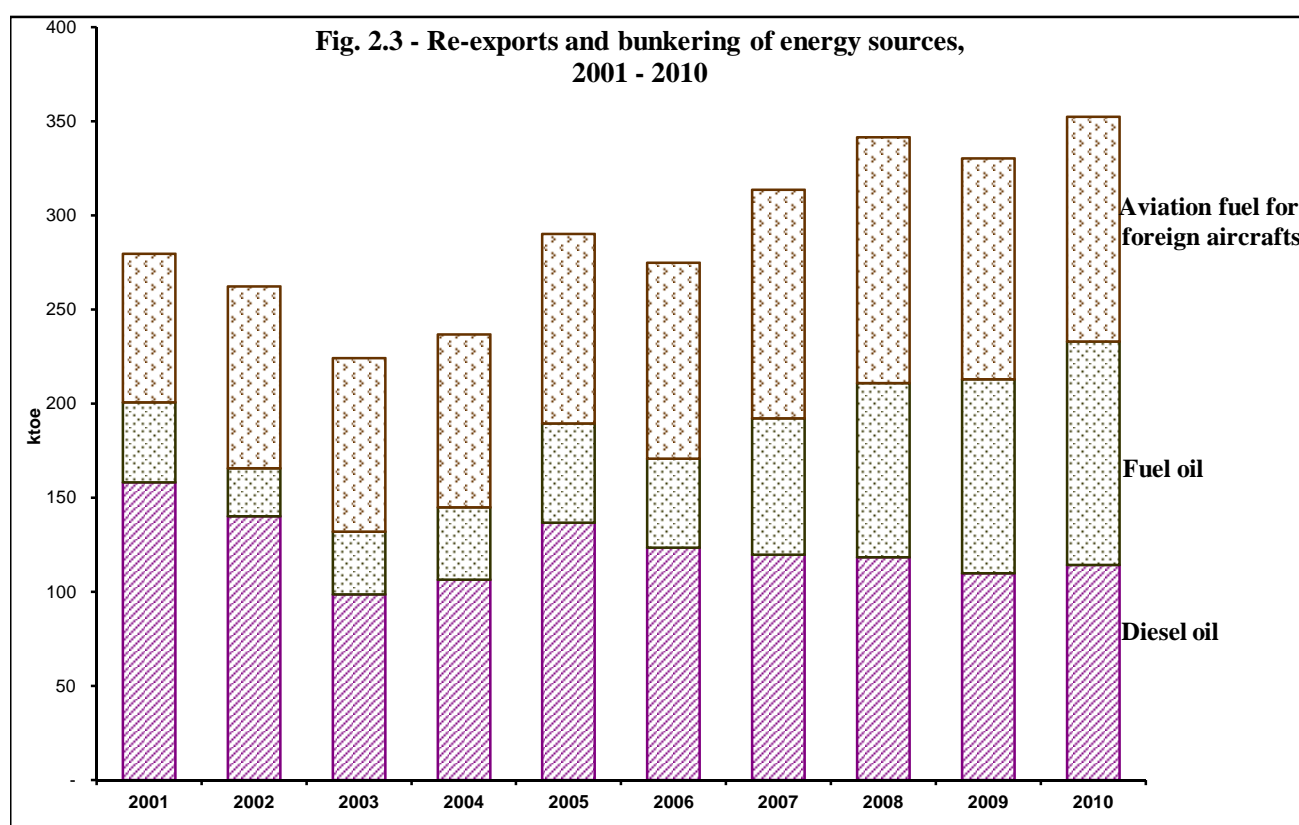
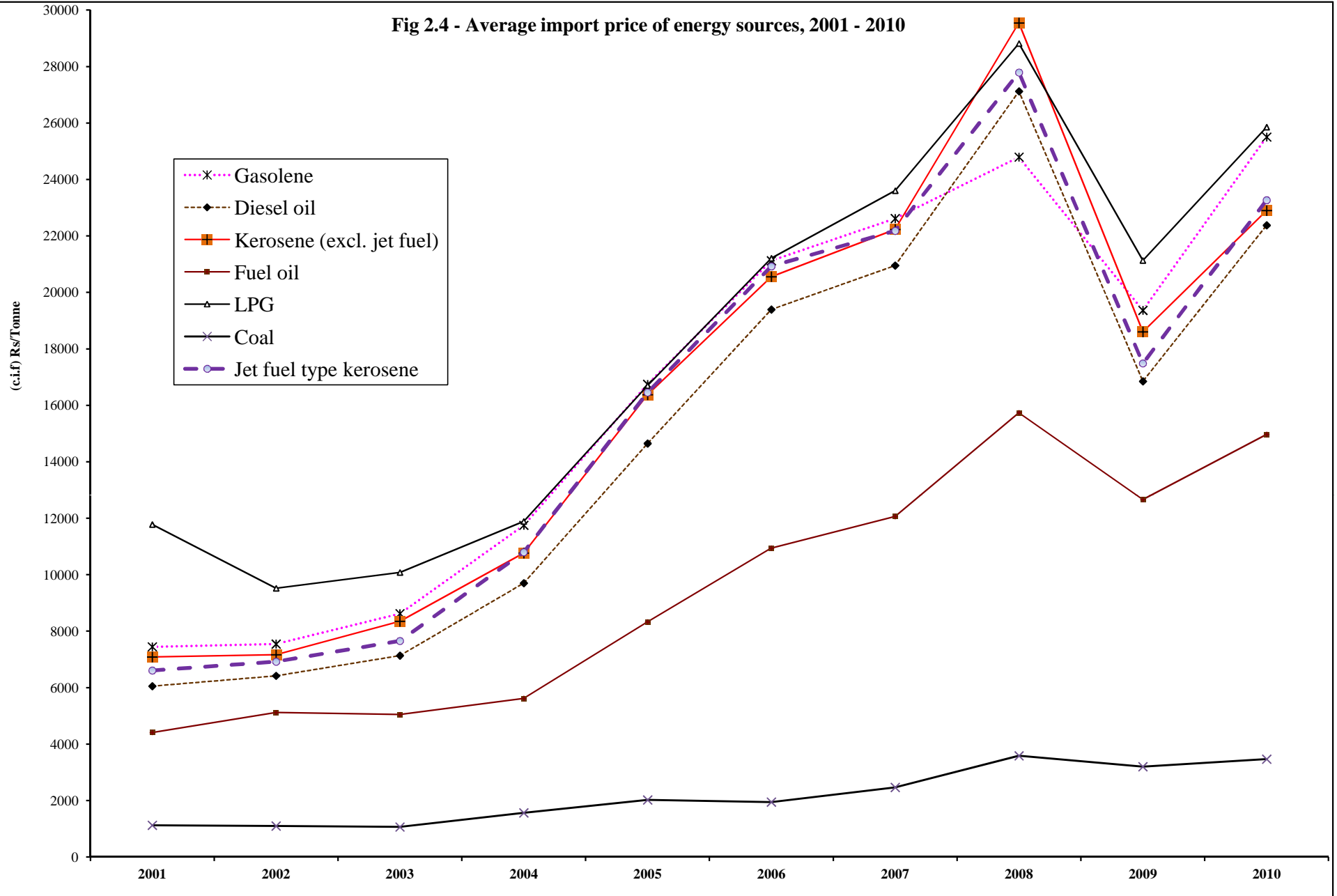


Table 2.7 - Average import price of energy sources by country of origin , 2001 - 2010

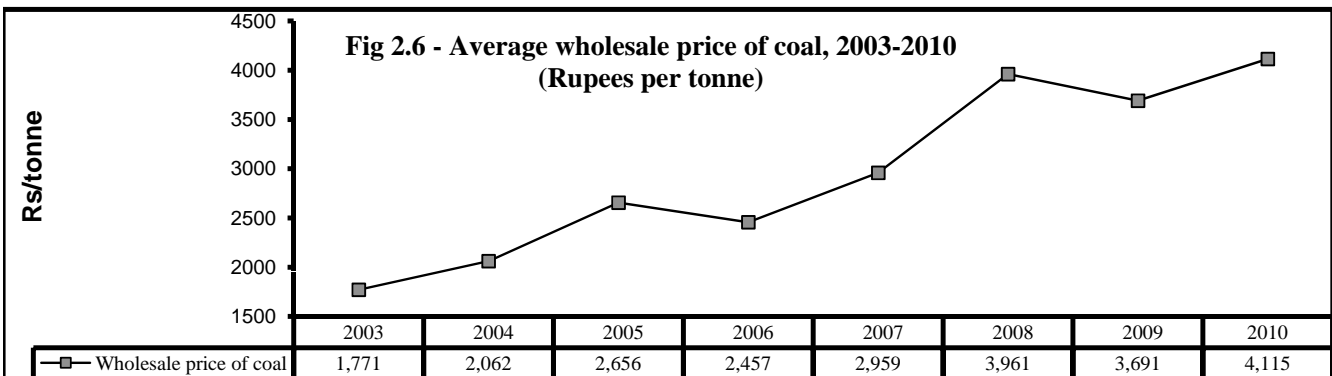
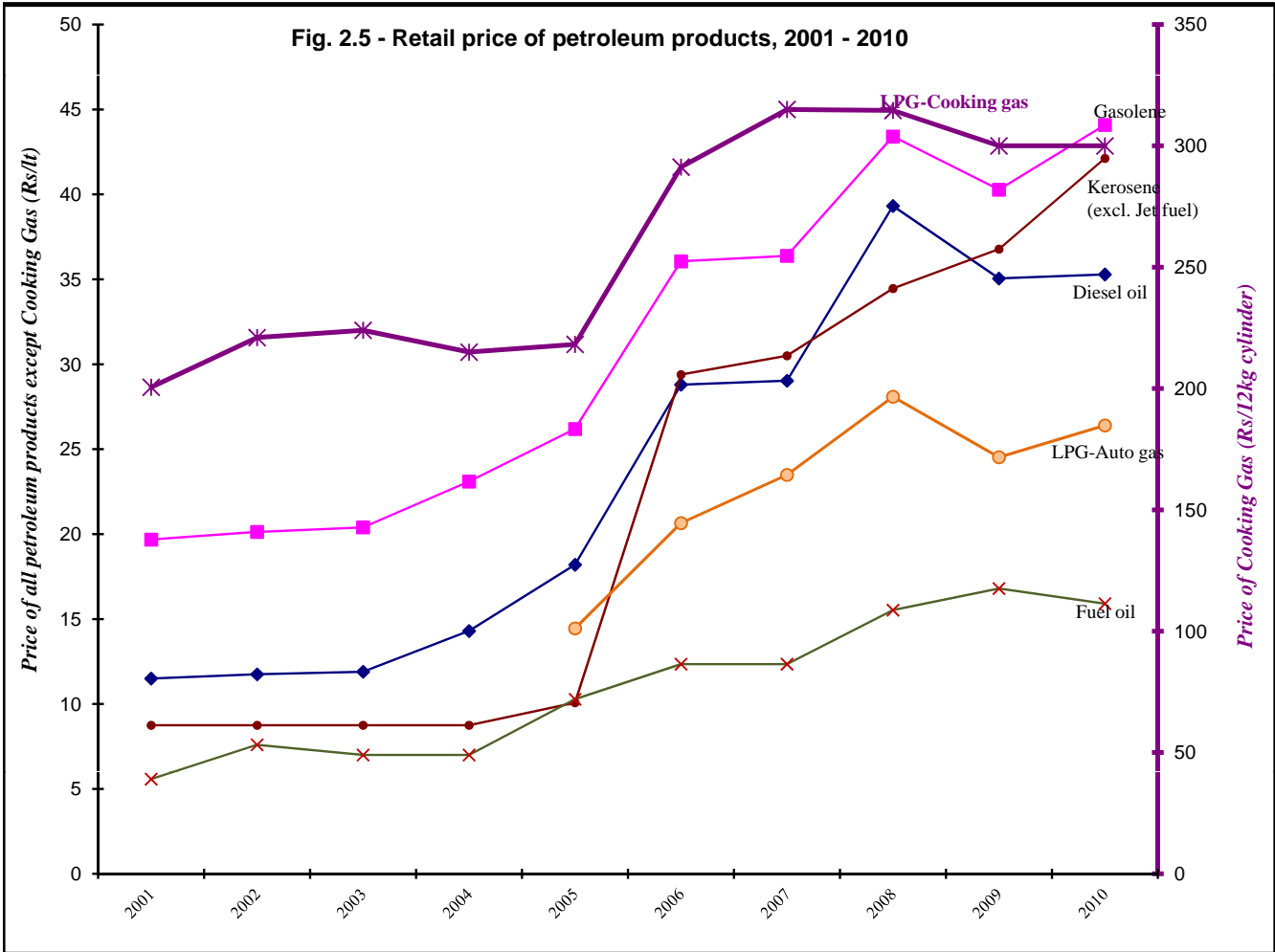
	Rs/tonne									
Country	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
<b>Coal</b>	<b>1,125</b>	<b>1,098</b>	<b>1,064</b>	<b>1,566</b>	<b>2,021</b>	<b>1,946</b>	<b>2,466</b>	<b>3,585</b>	<b>3,201</b>	<b>3,467</b>
Mozambique	-	1,090	1,014	1,755	2,061	1,750	-	-	-	-
South Africa	1,125	1,107	1,096	1,379	1,990	1,985	2,466	3,585	3,201	3,467
<b>Gasolene</b>	<b>7,446</b>	<b>7,543</b>	<b>8,623</b>	<b>11,751</b>	<b>16,745</b>	<b>21,122</b>	<b>22,618</b>	<b>24,793</b>	<b>19,365</b>	<b>25,505</b>
Bahrain	7,772	8,268	8,386	11,644	14,967	23,219	-	-	-	-
India	-	-	-	-	15,169	21,108	22,618	24,793	19,365	25,505
Reunion Island	-	-	-	-	12,439	-	-	-	-	-
Saudi Arabia	7,358	8,282	9,152	11,977	22,275	17,258	-	-	-	-
Singapore	8,570	-	-	-	21,453	-	-	-	-	25,633
South Africa	7,287	5,501	-	8,081	-	-	-	-	-	-
Tanzania	-	-	-	13,782	-	-	-	-	-	-
United Arab Emirates	6,974	7,473	8,218	13,433	17,690	20,767	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
<b>Diesel</b>	<b>6,053</b>	<b>6,419</b>	<b>7,137</b>	<b>9,700</b>	<b>14,650</b>	<b>19,393</b>	<b>20,954</b>	<b>27,124</b>	<b>16,850</b>	<b>22,377</b>
Bahrain	6,236	7,088	7,145	9,765	14,496	15,521	-	-	-	-
India	-	-	8,591	12,225	14,303	19,808	20,954	27,124	16,850	22,377
Kuwait	-	-	-	8,594	-	-	-	-	-	-
Saudi Arabia	6,426	6,688	6,893	8,404	14,749	19,450	-	-	-	-
Singapore	6,339	-	-	-	17,233	-	-	-	-	-
South Africa	5,765	5,079	7,194	-	11,609	-	-	-	-	-
United Arab Emirates	5,668	6,356	6,717	11,639	-	17,746	-	-	-	-
Yemen	-	-	6,170	-	-	-	-	-	-	-
<b>Kerosene (excl. jet fuel)</b>	<b>7,084</b>	<b>7,167</b>	<b>8,350</b>	<b>10,770</b>	<b>16,374</b>	<b>20,558</b>	<b>22,232</b>	<b>29,548</b>	<b>18,604</b>	<b>22,898</b>
Bahrain	7,205	8,209	8,539	10,249	16,192	19,674	-	-	-	-
India	-	-	-	13,766	14,377	22,292	21,931	29,548	18,604	22,898
Quatar	-	-	-	-	-	19,395	-	-	-	-
Saudi Arabia	7,769	7,277	8,715	9,401	19,103	20,657	-	-	-	-
Seychelles	-	-	-	-	-	-	23,455	-	-	-
Singapore	7,115	-	-	-	19,348	-	-	-	-	-
South Africa	6,454	5,734	7,857	-	-	-	-	-	-	-
Tanzania	-	-	-	13,324	12,604	-	-	-	-	-
United Arab Emirates	4,341	6,931	6,774	12,698	-	-	-	-	-	-
Yemen	-	-	6,302	-	-	-	-	-	-	-
<b>Jet fuel type kerosene</b>	<b>6,607</b>	<b>6,920</b>	<b>7,655</b>	<b>10,799</b>	<b>16,456</b>	<b>20,924</b>	<b>22,183</b>	<b>27,792</b>	<b>17,486</b>	<b>23,270</b>
Bahrain	7,019	7,453	7,676	10,507	16,019	19,736	-	-	-	-
India	-	-	-	13,590	15,064	21,684	22,159	27,792	17,486	23,270
Quatar	-	-	-	-	-	19,395	-	-	-	-
Saudi Arabia	7,003	7,581	7,811	8,588	17,396	20,680	-	-	-	-
Seychelles	-	-	-	-	-	-	23,455	-	-	-
Singapore	7,100	-	-	-	19,348	-	-	-	-	-
South Africa	6,293	5,761	7,857	-	-	-	-	-	-	-
Tanzania	-	-	-	13,324	12,604	-	-	-	-	-
United Arab Emirates	6,168	6,661	6,774	12,493	-	-	-	-	-	-
Yemen	-	-	6,302	-	-	-	-	-	-	-
<b>Fuel Oil</b>	<b>4,412</b>	<b>5,117</b>	<b>5,045</b>	<b>5,615</b>	<b>8,328</b>	<b>10,945</b>	<b>12,065</b>	<b>15,738</b>	<b>12,664</b>	<b>14,973</b>
Bahrain	4,296	-	-	-	-	-	-	-	-	-
India	3,890	-	-	-	-	10,182	12,065	15,738	12,664	14,973
Iran	4,267	4,752	-	6,273	-	-	-	-	-	-
Kenya	-	-	-	-	-	-	-	-	-	-
Madagascar	4,392	4,846	4,980	5,133	-	-	-	-	-	-
Saudi Arabia	5,426	-	-	-	-	-	-	-	-	-
Singapore	-	4,838	-	-	-	-	-	-	-	-
South Africa	4,386	4,942	5,182	5,271	9,337	10,406	-	-	-	-
Ukraine	-	5,472	5,119	-	-	-	-	-	-	-
United Arab Emirates	4,574	5,444	5,252	6,161	8,172	11,476	-	-	-	-
<b>LPG</b>	<b>11,780</b>	<b>9,521</b>	<b>10,082</b>	<b>11,889</b>	<b>16,701</b>	<b>21,211</b>	<b>23,606</b>	<b>28,819</b>	<b>21,134</b>	<b>25,858</b>
Angola	-	-	-	-	-	-	-	-	-	24,809
Australia	-	-	-	-	-	21,386	-	31,695	18,273	24,302
Bahrain	-	-	-	12,254	15,501	-	-	-	-	-
France	-	9,079	8,887	-	-	-	-	-	-	-
Guinea	-	-	-	-	-	-	-	30,796	-	23,376
India	-	-	-	-	-	-	-	27,699	26,465	26,009
Indonesia	-	-	-	10,507	15,094	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	23,071	26,909
Madagascar	-	-	-	-	-	-	-	31,102	17,725	-
Malaysia	11,739	9,634	10,054	11,716	17,307	21,086	-	-	-	-
Oman	-	-	-	-	-	21,280	-	-	-	-
Philippines	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	8,712	-	-	-	-	23,895	26,380	-	24,682
Singapore	11,974	9,944	9,781	12,766	-	-	-	-	-	-
South Africa	11,777	9,048	10,832	14,273	-	21,729	26,450	27,562	-	-
Taiwan	-	-	-	-	-	-	-	30,113	-	-
United Arab Emirates	-	-	-	11,062	15,528	19,518	22,364	-	18,605	28,296
Vietnam	-	-	-	-	-	-	-	-	21,019	-
Yemen	-	11,064	11,597	10,860	15,799	-	-	-	-	-
Other countries	-	10,545	9,647	-	-	-	-	-	-	-

Fig 2.4 - Average import price of energy sources, 2001 - 2010



**Table 2.8 - Average retail price (Rupees) of petroleum products used as energy sources, 2001-2010**

Energy sources	Unit	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
		Rupees									
Gasolene	1 Lt	19.68	20.13	20.40	23.10	26.19	36.06	36.38	43.41	40.28	44.09
Diesel oil	1 Lt	11.50	11.75	11.90	14.30	18.20	28.80	29.03	39.32	35.05	35.29
Kerosene (excl. jet fuel)	1 Lt	8.75	8.75	8.75	8.75	10.08	29.39	30.50	34.46	36.78	42.12
Fuel Oil	1 Lt	5.58	7.60	7.00	7.00	10.28	12.35	12.35	15.53	16.80	15.91
LPG - Cooking Gas	12 Kg	200.55	221.00	224.00	215.00	218.20	291.25	315.00	314.60	300.00	300.00
LPG- Auto Gas	1 Lt					14.45	20.65	23.49	28.09	24.53	26.40



Data source: Cays Associates Ltd and Independent Power Producers

## Section III

### Transformation of energy

Table 3.1 - Plant capacity, peak demand, electricity generation, sales and total consumption of electricity, 2001 - 2010

Year	Plant capacity <sup>1</sup> (MW)				Peak Power Demand (MW)		Electricity generated (GWh)					Sales (GWh)	Total Consumption (GWh)
	Installed		Effective				Hydro	Wind	Thermal	Total	Available for sales		
	Isl. of Mtius	Rod.	Isl. of Mtius	Rod.	Isl. of Mtius	Rod.							
2001	654.8	6.0	573.8	5.6	297.4	4.2	70.82	-	1,840.00	1,910.82	1,677.70	1,466.65	1,699.37
2002	650.9	6.0	569.7	5.4	308.6	4.4	85.86	-	1,863.00	1,948.86	1,737.63	1,509.83	1,721.07
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	2,069.21	2,340.87
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

<sup>1</sup> Includes plant capacity for electricity not exported to CEB

Source: Central Electricity Board and Annual Sugar Industry Energy Survey

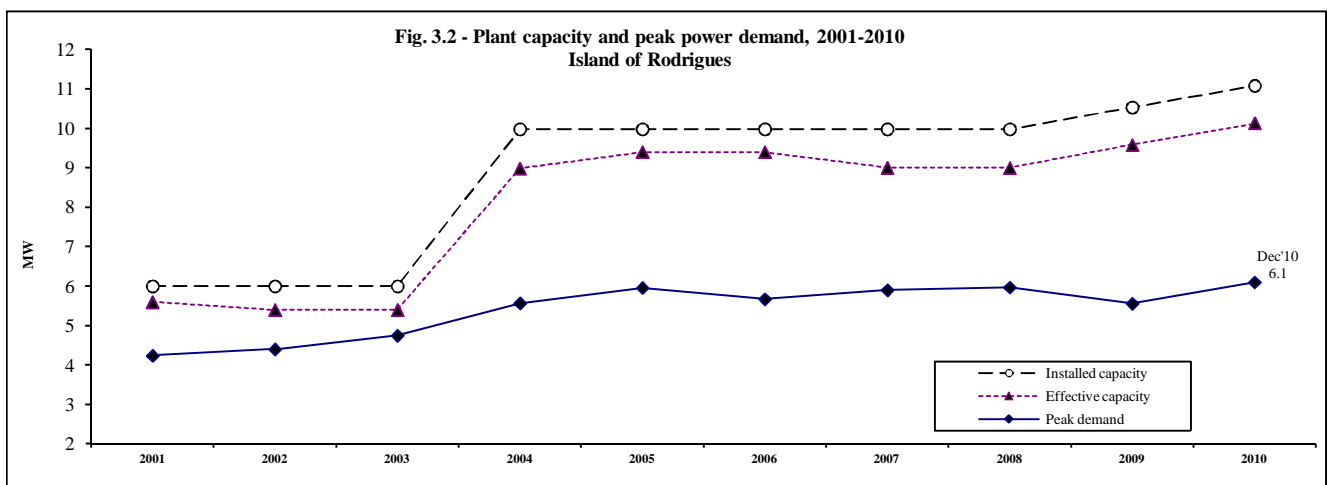
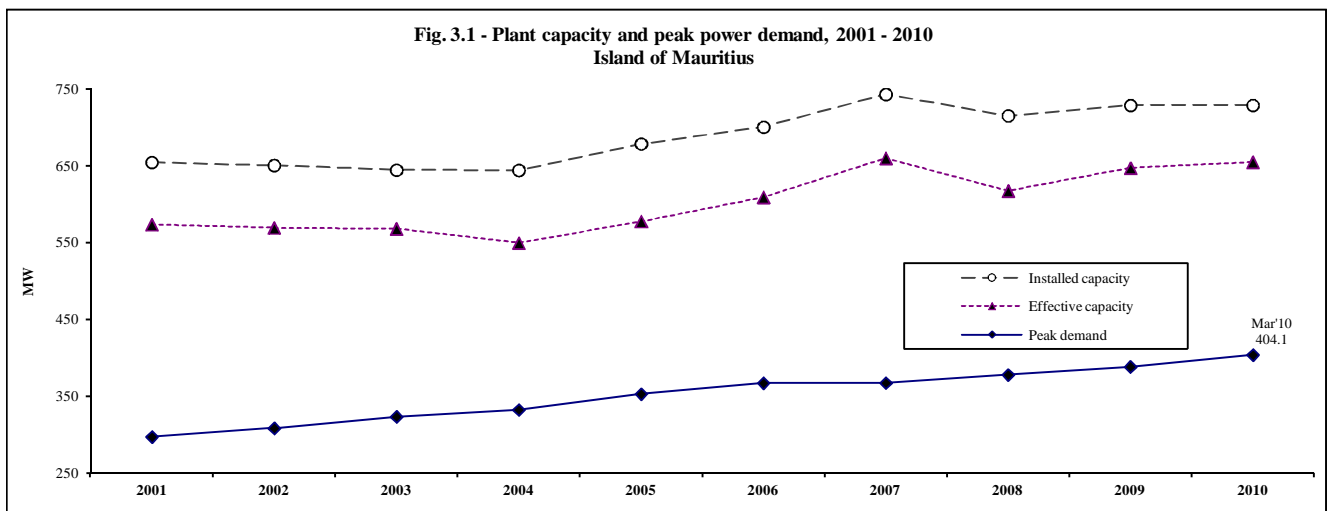


Table 3.2 - Plant capacity, 2010

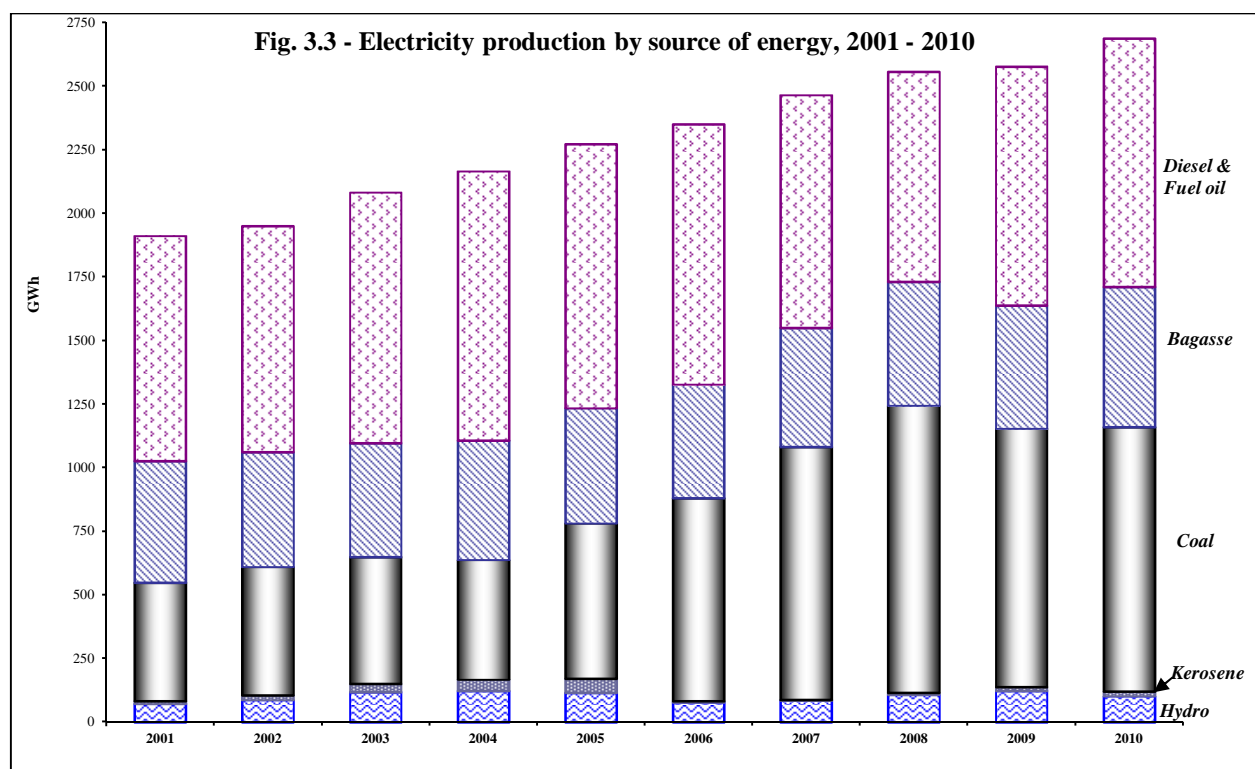
Central Electricity Board (CEB)			Independent Power Producers (IPP)		
	Plant capacity (MW)			Plant capacity (MW)	
	Installed	Effective		Installed	Effective
<b>Hydro:</b>			<b>Thermal:</b>		
Champagne	30.0	28.0			
Ferney	10.0	10.0	<u>Firm producers<sup>1</sup></u>	<u>257.3</u>	<u>240.5</u>
Tamarind Falls	11.1	7.0	F.U.E.L.	36.7	33.0
Le Val	4.0	4.0	Compagnie Thermique de Belle Vue	70.0	62.0
Reduit	1.2	1.0	Consolidated Energy Limited	28.1	25.5
Cascade Cecile	1.0	1.0	Compagnie Thermique du Sud	32.5	30.0
Magenta	0.9	0.9	Compagnie Thermique de Savannah	90.0	90.0
La Nicoliere F.C	0.4	0.4			
La Ferme	1.2	1.2			
<b>Total</b>	<b>59.8</b>	<b>53.5</b>	<u>Continuous producers<sup>2</sup></u>	<u>39.2</u>	<u>37.6</u>
<b>Wind:</b>					
Island of Rodrigues	<b>1.3</b>	<b>1.3</b>	Medine	13.0	13.0
<b>Thermal:</b>			Union St. Aubin	12.2	11.0
<u>Island of Mauritius</u>	<u>372.8</u>	<u>323.6</u>	Mon Loisir	14.0	13.6
St Louis	113.2	78.6			
Fort Victoria	43.6	32.0			
Nicolay	78.0	76.0			
Fort George	138.0	137.0			
<u>Island of Rodrigues</u>	<u>9.8</u>	<u>8.9</u>			
<b>Total</b>	<b>382.6</b>	<b>332.5</b>	<b>Total</b>	<b>296.5</b>	<b>278.1</b>
<b>Total</b>	<b>443.7</b>	<b>387.2</b>			
<b>Total plant capacity</b>			<b>Installed</b>	<b>Effective</b>	
1. Island of Mauritius			729.1	655.2	
<i>CEB</i>			432.6	377.1	
<i>IPP</i>			296.5	278.1	
<i>of which involved in export to CEB</i>			289.6	231.5	
2. Island of Rodrigues (CEB)			11.1	10.1	
<b>Total</b>			<b>740.2</b>	<b>665.3</b>	

1 Producing electricity all year round with bagasse/coal

2 Producing electricity with bagasse only during crop season







**Table 3.5 - Generation of electricity by CEB and IPP, 2001 - 2010**

GWh

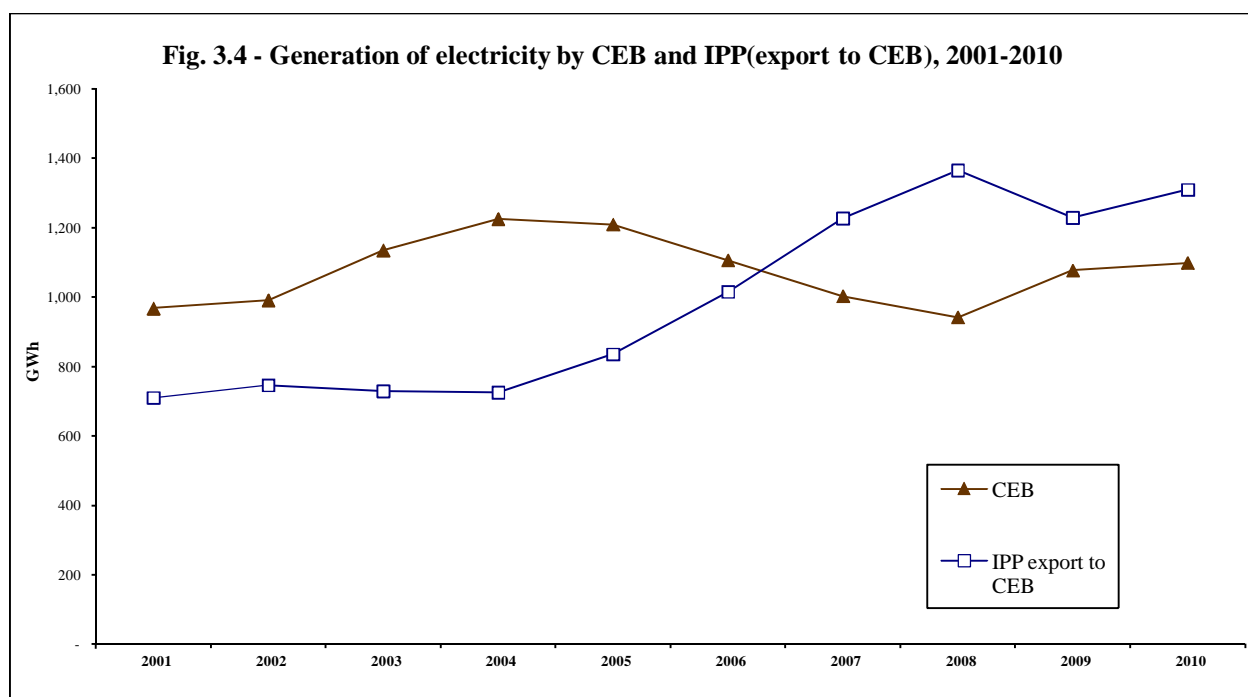
Power station	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
<b>CEB</b>	<b>967.5</b>	<b>991.0</b>	<b>1,134.9</b>	<b>1,225.3</b>	<b>1,209.5</b>	<b>1,106.1</b>	<b>1,003.1</b>	<b>942.1</b>	<b>1,077.2</b>	<b>1,098.8</b>
Hydro	70.4	85.6	117.7	122.3	114.9	76.6	83.9	108.0	122.4	100.7
Wind	-	-	-	0.4	0.4	0.4	0.4	0.4	1.5	2.5
<i>Island of Rodrigues</i>	-	-	-	0.4	0.4	0.4	0.4	0.4	1.5	2.5
Thermal	897.1	905.4	1,017.2	1,102.6	1,094.2	1,029.1	918.9	833.7	953.2	995.5
<i>Island of Mauritius</i>	876.5	882.8	992.8	1,075.8	1,064.6	998.7	888.4	802.9	923.0	966.0
<i>Island of Rodrigues</i>	20.6	22.6	24.4	26.8	29.6	30.3	30.5	30.8	30.2	29.6
<b>IPP</b>	<b>943.3</b>	<b>957.9</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>
Hydro	0.4	0.3	0.1	0.0	-	-	-	-	-	-
<i>of which : exported to CEB</i>	<b>0.0</b>	<b>0.0</b>	-	-	-	-	-	-	-	-
Thermal <sup>1</sup>	942.9	957.6	946.5	939.9	1,062.6	1,244.1	1,461.5	1,615.1	1,500.3	1,589.9
<i>of which : exported to CEB</i>	<b>710.2</b>	<b>746.7</b>	<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>
Coal ( <i>Firm producers</i> <sup>2</sup> )	413.7	447.6	433.4	407.2	533.8	719.5	879.9	998.7	875.0	966.6
Bagasse	296.5	299.1	296.1	317.9	301.6	296.2	346.8	366.4	353.6	342.8
<i>Firm producers</i> <sup>2</sup>	182.8	171.1	176.2	191.0	185.0	182.6	302.8	346.7	313.6	308.0
<i>Continuous producers</i> <sup>3</sup>	113.7	128.0	119.9	127.0	116.6	113.6	44.0	19.7	40.0	34.8
<b>Total</b>	<b>1,910.8</b>	<b>1,948.9</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>
<i>of which renewables</i>	548.1	537.7	566.6	592.3	568.2	522.8	552.2	594.8	608.9	653.6
<b>Island of Mauritius</b>										
CEB	946.9	968.4	1,110.5	1,198.1	1,179.5	1,075.4	972.3	911.0	1,045.5	1,066.7
IPP export to CEB	710.2	746.7	729.4	725.1	835.4	1,015.7	1,226.7	1,365.1	1,228.6	1,309.4
Total available for sales	<b>1,657.1</b>	<b>1,715.1</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>
<i>of which renewables</i>	366.9	384.7	413.8	440.2	416.5	372.8	430.7	474.4	476.0	443.5

<sup>1</sup> Estimates

<sup>2</sup> Producing electricity **all year round** with bagasse/coal

<sup>3</sup> Producing electricity with bagasse **only** during crop season

Source: Central Electricity Board & Annual Sugar Industry Energy Survey



**Table 3.6 - Percentage share of electricity generated by CEB and IPP, 2001 - 2010**

%

Power station	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
<b>CEB</b>	<b>50.6</b>	<b>50.8</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>
Hydro	3.7	4.4	5.7	5.6	5.1	3.3	3.4	4.2	4.7	3.7
Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
<i>Island of Rodrigues</i>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Thermal	46.9	46.5	48.9	50.9	48.2	43.8	37.3	32.6	37.0	37.0
<i>Island of Mauritius</i>	45.9	45.3	47.7	49.7	46.9	42.5	36.0	31.4	35.8	35.9
<i>Island of Rodrigues</i>	1.1	1.2	1.2	1.2	1.3	1.3	1.2	1.2	1.2	1.1
<b>IPP</b>	<b>49.4</b>	<b>49.2</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>
Hydro	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<i>Of which : exported to CEB</i>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Thermal	49.3	49.1	45.5	43.4	46.8	52.9	59.3	63.2	58.2	59.1
<i>Of which : exported to CEB</i>	37.2	38.3	35.0	33.5	36.8	43.2	49.8	53.4	47.7	48.7
Coal ( <i>Firm producers</i> <sup>1</sup> )	21.6	23.0	20.8	18.8	23.5	30.6	35.7	39.1	34.0	36.0
Bagasse	15.5	15.3	14.2	14.7	13.3	12.6	14.1	14.3	13.7	12.7
<i>Firm producers</i> <sup>1</sup>	9.6	8.8	8.5	8.8	8.1	7.8	12.3	13.6	12.2	11.5
<i>Continuous producers</i> <sup>2</sup>	5.9	6.6	5.8	5.9	5.1	4.8	1.8	0.8	1.6	1.3
<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>	28.7	27.6	27.2	27.4	25.0	22.2	22.4	23.3	23.6	24.3
<b>Island of Mauritius</b>										
CEB	57.1	56.5	60.4	62.3	58.5	51.4	44.2	40.0	46.0	44.9
IPP export to CEB	42.9	43.5	39.6	37.7	41.5	48.6	55.8	60.0	54.0	55.1
<b>Total available for sales</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>	22.1	22.4	22.5	22.9	20.7	17.8	19.6	20.8	20.9	18.7

<sup>1</sup> Producing electricity **all year** round with bagasse/coal

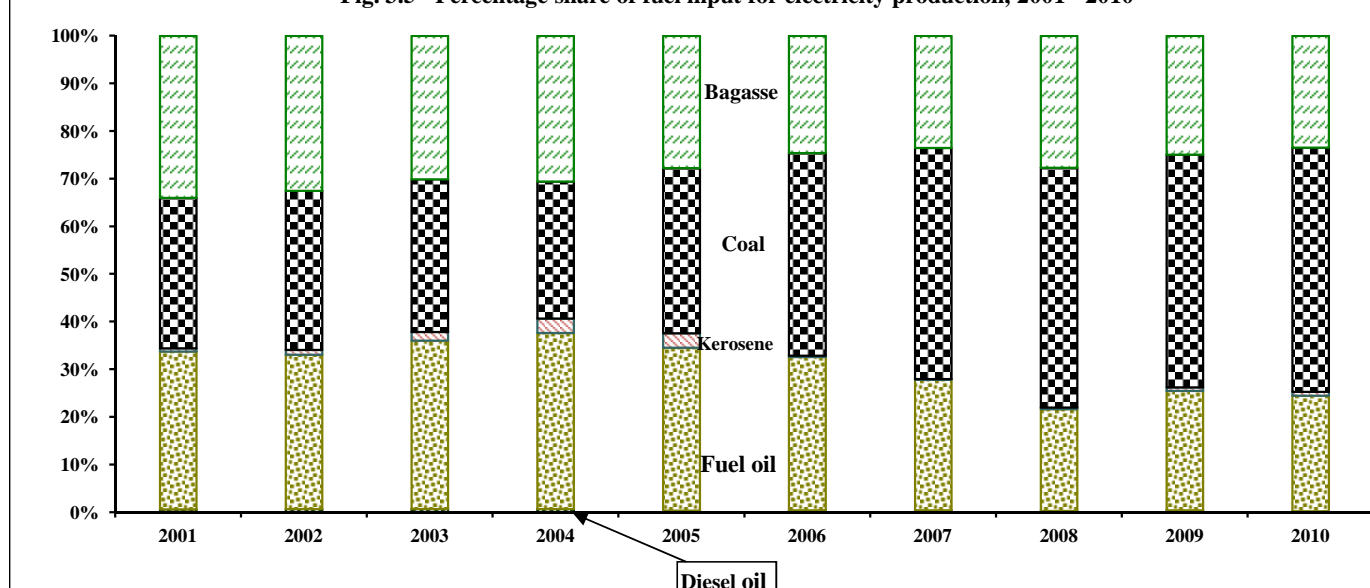
<sup>2</sup> Producing electricity with bagasse **only** during crop season

Table 3.7 - Fuel input for electricity generation, 2001 - 2010

Fuel	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
<b>Island of Mauritius</b>										
<b>Tonne</b>										
Fuel oil	181,009	174,945	200,067	215,290	210,144	219,969	195,081	160,359	183,678	190,108
Diesel oil	2,553	2,771	2,423	2,335	1,909	2,232	2,638	1,721	2,558	1,875
Kerosene	3,760	5,443	9,864	16,555	17,731	1,848	1,067	2,095	4,924	6,008
Coal	273,376	286,886	287,176	265,128	340,675	462,784	552,632	609,745	574,141	643,049
Bagasse <sup>1</sup>	1,142,500	1,081,661	1,046,794	1,092,823	1,055,742	1,036,598	1,040,286	1,300,939	1,135,588	1,140,383
<b>Island of Rodrigues</b>										
Fuel oil	4,328	4,671	4,392	4,777	6,909	6,572	6,740	7,188	6,926	6,774
Diesel oil	585	710	1,472	1,633	217	299	108	180	203	122
<b>Island of Mauritius</b>										
<b>Ktoe</b>										
Fuel oil	173.77	167.95	192.06	206.68	201.74	211.17	187.28	153.94	176.33	182.50
Diesel oil	2.58	2.80	2.45	2.36	1.93	2.25	2.66	1.74	2.58	1.89
Kerosene	3.91	5.66	10.26	17.22	18.44	1.92	1.11	2.18	5.12	6.25
Coal	169.49	177.87	178.05	164.38	211.22	286.93	342.63	378.04	355.97	398.69
Bagasse	182.80	173.07	167.49	174.85	168.92	165.86	166.45	208.15	181.69	182.46
<b>Sub total</b>	<b>532.55</b>	<b>527.34</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>Island of Rodrigues</b>										
Fuel oil	4.15	4.48	4.22	4.59	6.63	6.31	6.47	6.90	6.65	6.50
Diesel oil	0.59	0.72	1.49	1.65	0.22	0.30	0.11	0.18	0.21	0.12
<b>Sub total</b>	<b>4.75</b>	<b>5.20</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>Total</b>	<b>537.30</b>	<b>532.54</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>Island of Mauritius</b>										
<b>Percentage</b>										
Fuel oil	32.3	31.5	34.5	36.2	33.1	31.3	26.5	20.5	24.2	23.4
Diesel oil	0.5	0.5	0.4	0.4	0.3	0.3	0.4	0.2	0.4	0.2
Kerosene	0.7	1.1	1.8	3.0	3.0	0.3	0.2	0.3	0.7	0.8
Coal	31.5	33.4	32.0	28.8	34.7	42.5	48.5	50.3	48.9	51.2
Bagasse	34.0	32.5	30.1	30.6	27.7	24.6	23.6	27.7	24.9	23.4
<b>Sub total</b>	<b>99.1</b>	<b>99.0</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>Island of Rodrigues</b>										
Fuel oil	0.8	0.8	0.8	0.8	1.1	0.9	0.9	0.9	0.9	0.8
Diesel oil	0.1	0.1	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
<b>Sub total</b>	<b>0.9</b>	<b>1.0</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>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 production, 2001 - 2010



## Section IV

### Final energy consumption

**Table 4.1 - Final energy consumption by sector (Energy unit), 2001 - 2010**

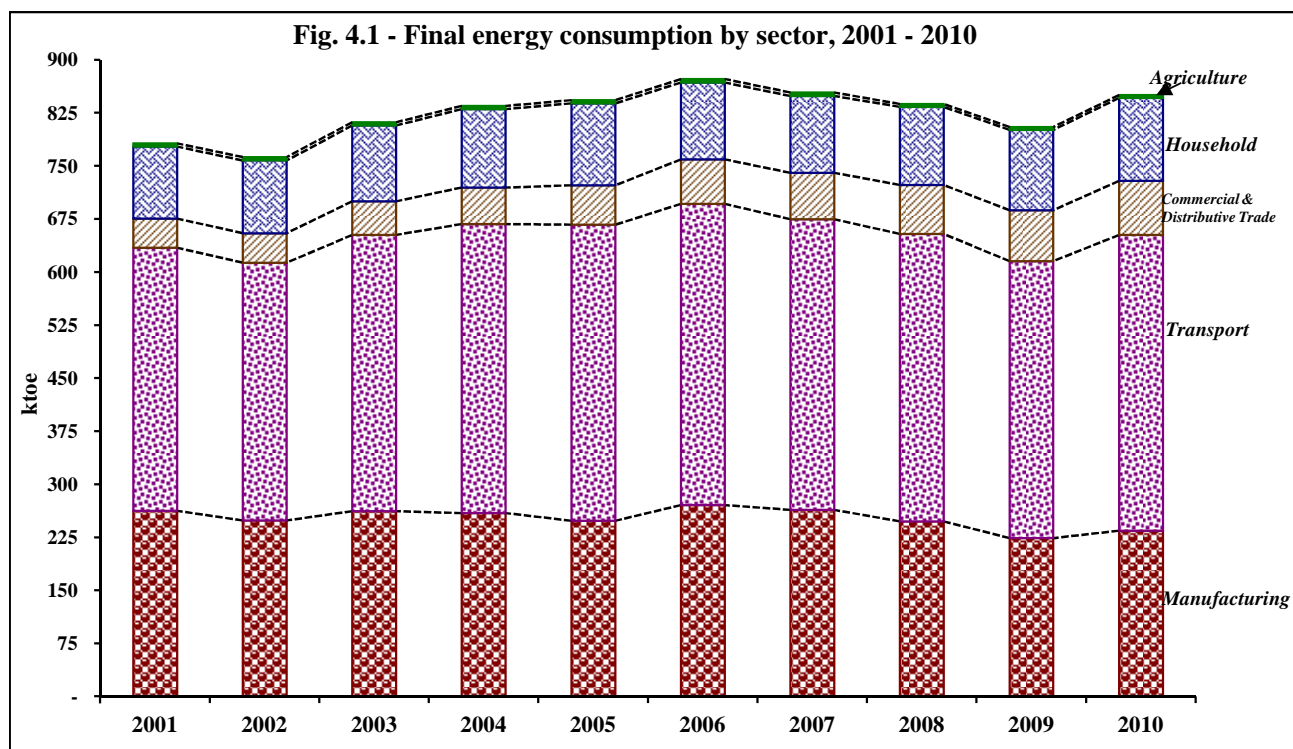
ktoe

Sector	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
1. Manufacturing	262.41	249.19	262.27	259.26	248.67	270.81	264.03	247.70	224.06	234.57
2. Transport	372.30	364.12	390.23	408.73	418.59	425.81	410.94	406.45	391.29	418.19
3. Commercial and Distributive Trade	40.78	41.72	47.68	51.54	55.68	62.68	65.25	69.07	72.31	76.46
4. Household	101.84	102.81	107.04	110.96	115.44	108.88	108.78	110.16	113.12	116.90
5. Agriculture	4.79	4.82	4.75	4.44	4.70	4.78	4.90	4.49	4.07	4.40
6. Other (n.e.s) and losses	2.30	2.39	2.89	3.19	3.01	3.35	3.60	3.76	3.72	3.48
<b>TOTAL</b>	<b>784.43</b>	<b>765.05</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>854.00</b>

**Table 4.2 - Percentage share of final energy consumption by sector, 2001 - 2010**

%

Sector	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
1. Manufacturing	33.5	32.6	32.2	30.9	29.4	30.9	30.8	29.4	27.7	27.4
2. Transport	47.5	47.6	47.9	48.8	49.5	48.6	47.9	48.3	48.4	49.0
3. Commercial and Distributive Trade	5.2	5.5	5.9	6.1	6.6	7.2	7.6	8.2	8.9	9.0
4. Household	13.0	13.4	13.1	13.2	13.6	12.4	12.7	13.1	14.0	13.7
5. Agriculture	0.6	0.6	0.6	0.5	0.6	0.5	0.6	0.5	0.5	0.5
6. Other (n.e.s) and losses	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.5	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>

**Fig. 4.1 - Final energy consumption by sector, 2001 - 2010**

**Table 4.3 - Final energy consumption by sector and type of fuel (Physical unit), 2001 - 2010**

Sector	Unit	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
<b>1. Manufacturing</b>											
<b>1.1 excluding bagasse</b>											
Fuel oil	tonne	60,630	61,439	55,615	49,857	46,763	58,098	60,567	54,639	46,824	45,009
Diesel oil	tonne	37,533	37,409	41,273	43,372	41,127	49,767	48,336	46,301	45,882	46,543
LPG	tonne	3,650	3,502	2,964	2,756	3,904	3,965	4,068	4,920	5,007	5,122
Coal	tonne	25,781	25,888	29,000	24,220	23,162	21,666	19,964	41,672	21,572	24,786
Fuelwood <sup>1</sup>	tonne	1,500	1,450	1,430	1,415	1,400	1,425	1,425	1,425	1,426	1,426
Electricity	GWh	711.4	711.7	742.2	768.9	778.3	841.2	879.6	912.9	897.2	934.3
<b>1.2 Bagasse<sup>1</sup></b>	tonne	529,000	442,722	510,246	518,379	476,198	463,563	400,646	239,276	226,759	265,988
<b>2. Transport</b>											
Gasolene	tonne	87,749	87,507	89,242	90,350	92,673	89,117	98,940	101,406	111,667	118,226
LPG	tonne	820	1,216	2,223	2,691	6,726	6,887	6,633	5,184	4,587	4,641
Diesel oil	tonne	145,555	153,437	161,267	164,120	166,510	173,689	151,779	152,910	153,707	160,591
Jet fuel for local aircraft	tonne	124,652	108,972	123,627	137,002	137,560	141,053	138,104	131,631	106,246	118,553
<b>3. Commercial and Distributive Trade</b>											
LPG	tonne	4,450	4,559	5,749	6,372	6,985	11,436	10,927	10,094	10,575	10,925
Charcoal <sup>1</sup>	tonne	330	340	350	360	380	393	407	422	437	453
Electricity	GWh	415.54	424.92	479.26	516.23	556.41	581.81	617.95	672.71	704.20	747.96
<b>4. Household</b>											
Kerosene	tonne	9,480	8,409	8,265	8,726	9,765	3,923	1,238	1,772	1,476	1,731
LPG	tonne	37,850	39,023	40,559	42,856	43,206	41,599	42,088	42,394	43,237	44,059
Fuelwood <sup>1</sup>	tonne	15,900	15,850	15,780	15,940	16,540	17,473	17,497	16,726	16,619	16,597
Charcoal <sup>1</sup>	tonne	150	130	125	120	130	123	126	119	119	119
Electricity	GWh	522.80	532.55	564.61	575.01	607.49	617.88	642.97	652.17	680.12	710.72
<b>5. Agriculture</b>											
Diesel oil <sup>1</sup>	tonne	2,460	2,430	2,410	2,375	2,345	2,289	2,456	2,241	2,286	2,325
Electricity	GWh	26.77	27.48	26.96	23.79	27.07	28.73	28.19	25.83	20.47	23.84

<sup>1</sup> Estimates

**Table 4.4 - Final energy consumption by sector and type of fuel (Energy unit), 2001 - 2010**

	ktoe									
<b>Sector</b>	<b>2001</b>	<b>2002</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>1. Manufacturing</b>	<b>262.4</b>	<b>249.2</b>	<b>262.3</b>	<b>259.3</b>	<b>248.7</b>	<b>270.8</b>	<b>264.0</b>	<b>247.7</b>	<b>224.1</b>	<b>234.6</b>
<b>1.1 excluding bagasse</b>	<b>177.8</b>	<b>178.4</b>	<b>180.6</b>	<b>176.3</b>	<b>172.5</b>	<b>196.6</b>	<b>199.9</b>	<b>209.4</b>	<b>187.8</b>	<b>192.0</b>
Fuel oil	58.2	59.0	53.4	47.9	44.9	55.8	58.1	52.5	45.0	43.2
Diesel oil	37.9	37.8	41.7	43.8	41.5	50.3	48.8	46.8	46.3	47.0
LPG	3.9	3.8	3.2	3.0	4.2	4.3	4.4	5.3	5.4	5.5
Coal	16.0	16.1	18.0	15.0	14.4	13.4	12.4	25.8	13.4	15.4
Fuelwood <sup>1</sup>	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Electricity	61.2	61.2	63.8	66.1	66.9	72.3	75.6	78.5	77.2	80.4
<b>1.2 Bagasse <sup>1</sup></b>	<b>84.6</b>	<b>70.8</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>2. Transport</b>	<b>372.3</b>	<b>364.1</b>	<b>390.2</b>	<b>408.7</b>	<b>418.6</b>	<b>425.8</b>	<b>410.9</b>	<b>406.5</b>	<b>391.3</b>	<b>418.2</b>
Gasolene	94.8	94.5	96.4	97.6	100.1	96.2	106.9	109.5	120.6	127.7
LPG	0.9	1.3	2.4	2.9	7.3	7.4	7.2	5.6	5.0	5.0
Diesel oil	147.0	155.0	162.9	165.8	168.2	175.4	153.3	154.4	155.2	162.2
Jet fuel for local aircraft	129.6	113.3	128.6	142.5	143.1	146.7	143.6	136.9	110.5	123.3
<b>3. Commercial and Distributive Trade</b>	<b>40.8</b>	<b>41.7</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>76.5</b>
LPG	4.8	4.9	6.2	6.9	7.5	12.4	11.8	10.9	11.4	11.8
Charcoal <sup>1</sup>	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Electricity	35.7	36.5	41.2	44.4	47.9	50.0	53.1	57.9	60.6	64.3
<b>4. Household</b>	<b>101.8</b>	<b>102.8</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>
Kerosene	9.9	8.7	8.6	9.1	10.2	4.1	1.3	1.8	1.5	1.8
LPG	40.9	42.1	43.8	46.3	46.7	44.9	45.5	45.8	46.7	47.6
Fuelwood <sup>1</sup>	6.0	6.0	6.0	6.1	6.3	6.6	6.6	6.4	6.3	6.3
Charcoal <sup>1</sup>	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Electricity	45.0	45.8	48.6	49.5	52.2	53.1	55.3	56.1	58.5	61.1
<b>5. Agriculture</b>	<b>4.8</b>	<b>4.8</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>
Diesel oil <sup>1</sup>	2.5	2.5	2.4	2.4	2.4	2.3	2.5	2.3	2.3	2.3
Electricity	2.3	2.4	2.3	2.0	2.3	2.5	2.4	2.2	1.8	2.0
<b>6. Other (n.e.s) and losses</b>	<b>2.3</b>	<b>2.4</b>	<b>2.9</b>	<b>3.2</b>	<b>3.0</b>	<b>3.3</b>	<b>3.6</b>	<b>3.8</b>	<b>3.7</b>	<b>3.5</b>
<b>TOTAL</b>	<b>784.4</b>	<b>765.0</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>

<sup>1</sup> Estimates



**Table 4.5 - Percentage share of final energy consumption in ktoe by sector and type of fuel, 2001 - 2010**

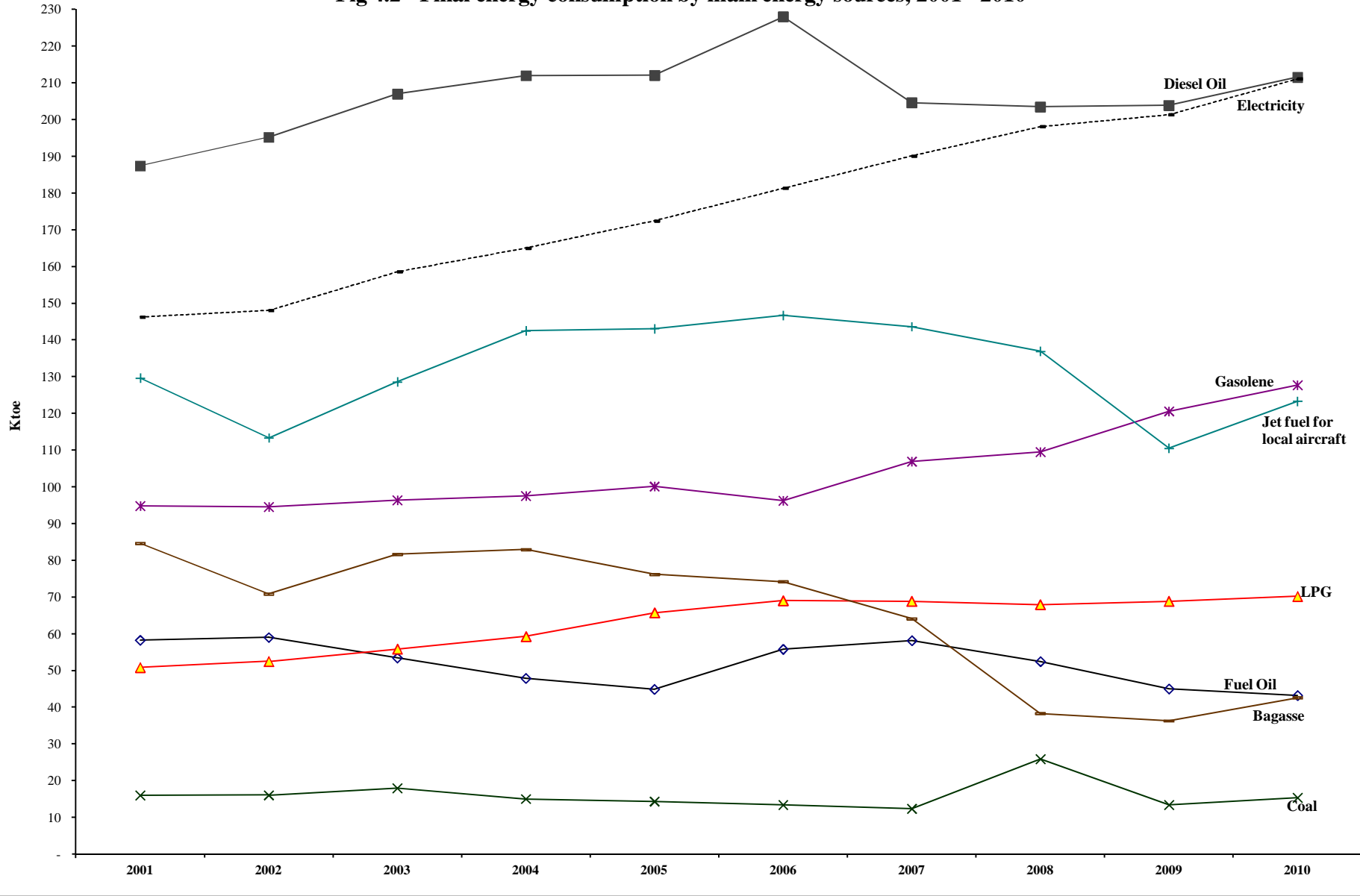
	%									
<b>Sector</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>
<b>1. Manufacturing</b>	<b>33.5</b>	<b>32.6</b>	<b>32.2</b>	<b>30.9</b>	<b>29.4</b>	<b>30.9</b>	<b>30.8</b>	<b>29.4</b>	<b>27.7</b>	<b>27.5</b>
<b>1.1 Excluding bagasse</b>	<b>22.7</b>	<b>23.3</b>	<b>22.2</b>	<b>21.0</b>	<b>20.4</b>	<b>22.4</b>	<b>23.3</b>	<b>24.9</b>	<b>23.2</b>	<b>22.5</b>
Fuel oil	7.4	7.7	6.6	5.7	5.3	6.4	6.8	6.2	5.6	5.1
Diesel oil	4.8	4.9	5.1	5.2	4.9	5.7	5.7	5.6	5.7	5.5
LPG	0.5	0.5	0.4	0.4	0.5	0.5	0.5	0.6	0.7	0.6
Coal	2.0	2.1	2.2	1.8	1.7	1.5	1.4	3.1	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	8.0	7.8	7.9	7.9	8.3	8.8	9.3	9.5	9.4
<b>1.2 Bagasse</b>	<b>10.8</b>	<b>9.3</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>2. Transport</b>	<b>47.5</b>	<b>47.6</b>	<b>47.9</b>	<b>48.8</b>	<b>49.5</b>	<b>48.6</b>	<b>47.9</b>	<b>48.3</b>	<b>48.4</b>	<b>49.0</b>
Gasolene	12.1	12.4	11.8	11.6	11.8	11.0	12.5	13.0	14.9	15.0
LPG	0.1	0.2	0.3	0.3	0.9	0.8	0.8	0.7	0.6	0.6
Diesel oil	18.7	20.3	20.0	19.8	19.9	20.0	17.9	18.4	19.2	19.0
Jet fuel for local aircraft	16.5	14.8	15.8	17.0	16.9	16.7	16.7	16.3	13.7	14.4
<b>3. Commercial and Distributive Trade</b>	<b>5.2</b>	<b>5.5</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>8.9</b>
LPG	0.6	0.6	0.8	0.8	0.9	1.4	1.4	1.3	1.4	1.4
Charcoal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Electricity	4.6	4.8	5.1	5.3	5.7	5.7	6.2	6.9	7.5	7.5
<b>4. Household</b>	<b>13.0</b>	<b>13.4</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>
Kerosene	1.3	1.1	1.1	1.1	1.2	0.5	0.2	0.2	0.2	0.2
LPG	5.2	5.5	5.4	5.5	5.5	5.1	5.3	5.4	5.8	5.6
Fuelwood	0.8	0.8	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.7
Charcoal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Electricity	5.7	6.0	6.0	5.9	6.2	6.1	6.4	6.7	7.2	7.2
<b>5. Agriculture</b>	<b>0.6</b>	<b>0.6</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>
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	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.2	0.2
<b>6. Other (n.e.s) and losses</b>	<b>0.3</b>	<b>0.3</b>	<b>0.4</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>0.4</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>

**Table 4.6 - Final energy consumption by energy source, 2001 - 2010**

Energy source	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
<b>Physical unit (thousand tonnes, except electricity in GWh)</b>										
Coal	25.8	25.9	29.0	24.2	23.2	21.7	20.0	41.7	21.6	24.8
Gasolene	87.7	87.5	89.2	90.4	92.7	89.1	98.9	101.4	111.7	118.2
Diesel Oil	185.5	193.3	205.0	209.9	210.0	225.7	202.6	201.5	201.9	209.5
Jet fuel for local aircraft	124.7	109.0	123.6	137.0	137.6	141.1	138.1	131.6	106.2	118.6
Kerosene	9.5	8.4	8.3	8.7	9.8	3.9	1.2	1.8	1.5	1.7
Fuel Oil	60.6	61.4	55.6	49.9	46.8	58.1	60.6	54.6	46.8	45.0
LPG	47.1	48.3	51.7	54.9	60.9	63.9	63.8	62.9	63.8	65.0
Bagasse <sup>1</sup>	529.0	442.7	510.2	518.4	476.2	463.6	400.6	239.3	226.8	266.0
Fuelwood <sup>1</sup>	17.4	17.3	17.2	17.4	17.9	18.9	18.9	18.2	18.0	18.0
Charcoal <sup>1</sup>	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6
Electricity (GWh)	1,699.8	1,721.1	1,844.1	1,918.8	2,004.7	2,108.2	2,210.1	2,303.7	2,340.9	2,454.5
<b>Energy unit (Ktoe)</b>										
<b>Fossil fuels</b>	<b>546.7</b>	<b>539.2</b>	<b>567.8</b>	<b>583.2</b>	<b>590.4</b>	<b>613.3</b>	<b>595.7</b>	<b>597.9</b>	<b>563.7</b>	<b>593.1</b>
Coal	16.0	16.1	18.0	15.0	14.4	13.4	12.4	25.8	13.4	15.4
Petroleum products:	530.7	523.2	549.8	568.2	576.0	599.8	583.4	572.1	550.3	577.7
Gasolene	94.8	94.5	96.4	97.6	100.1	96.2	106.9	109.5	120.6	127.7
Diesel Oil	187.4	195.2	207.0	212.0	212.1	228.0	204.6	203.5	203.9	211.6
Jet fuel for local aircraft	129.6	113.3	128.6	142.5	143.1	146.7	143.6	136.9	110.5	123.3
Kerosene	9.9	8.7	8.6	9.1	10.2	4.1	1.3	1.8	1.5	1.8
Fuel Oil	58.2	59.0	53.4	47.9	44.9	55.8	58.1	52.5	45.0	43.2
LPG	50.8	52.5	55.8	59.2	65.7	69.0	68.9	67.9	68.9	70.2
<b>Renewables</b>	<b>91.6</b>	<b>77.8</b>	<b>88.5</b>	<b>89.9</b>	<b>83.4</b>	<b>81.7</b>	<b>71.7</b>	<b>45.6</b>	<b>43.6</b>	<b>49.8</b>
Bagasse	84.6	70.8	81.6	82.9	76.2	74.2	64.1	38.3	36.3	42.6
Fuelwood	6.6	6.6	6.5	6.6	6.8	7.2	7.2	6.9	6.9	6.8
Charcoal	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
<b>Electricity</b>	<b>146.2</b>	<b>148.0</b>	<b>158.6</b>	<b>165.0</b>	<b>172.4</b>	<b>181.3</b>	<b>190.1</b>	<b>198.1</b>	<b>201.3</b>	<b>211.1</b>
<b>Total</b>	<b>784.5</b>	<b>765.0</b>	<b>814.9</b>	<b>838.1</b>	<b>846.2</b>	<b>876.3</b>	<b>857.5</b>	<b>841.6</b>	<b>808.6</b>	<b>854.0</b>
<b>Share (%)</b>										
<b>Fossil fuels</b>	<b>69.7</b>	<b>70.5</b>	<b>69.7</b>	<b>69.6</b>	<b>69.8</b>	<b>70.0</b>	<b>69.5</b>	<b>71.0</b>	<b>69.7</b>	<b>69.4</b>
Coal	2.0	2.1	2.2	1.8	1.7	1.5	1.4	3.1	1.7	1.8
Petroleum products:	67.7	68.4	67.5	67.8	68.1	68.5	68.0	68.0	68.1	67.6
Gasolene	12.1	12.4	11.8	11.6	11.8	11.0	12.5	13.0	14.9	15.0
Diesel Oil	23.9	25.5	25.4	25.3	25.1	26.0	23.9	24.2	25.2	24.8
Jet fuel for local aircraft	16.5	14.8	15.8	17.0	16.9	16.7	16.7	16.3	13.7	14.4
Kerosene	1.3	1.1	1.1	1.1	1.2	0.5	0.2	0.2	0.2	0.2
Fuel Oil	7.4	7.7	6.6	5.7	5.3	6.4	6.8	6.2	5.6	5.1
LPG	6.5	6.9	6.9	7.1	7.8	7.9	8.0	8.1	8.5	8.2
<b>Renewables</b>	<b>11.7</b>	<b>10.2</b>	<b>10.9</b>	<b>10.7</b>	<b>9.9</b>	<b>9.3</b>	<b>8.4</b>	<b>5.4</b>	<b>5.4</b>	<b>5.8</b>
Bagasse	10.8	9.3	10.0	9.9	9.0	8.5	7.5	4.5	4.5	5.0
Fuelwood	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Charcoal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	-
<b>Electricity</b>	<b>18.6</b>	<b>19.3</b>	<b>19.5</b>	<b>19.7</b>	<b>20.4</b>	<b>20.7</b>	<b>22.2</b>	<b>23.5</b>	<b>24.9</b>	<b>24.7</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 4.2 - Final energy consumption by main energy sources, 2001 - 2010**



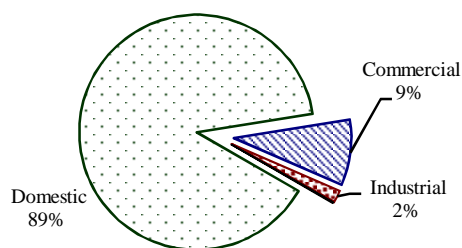
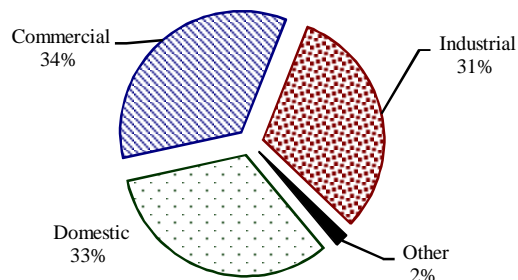
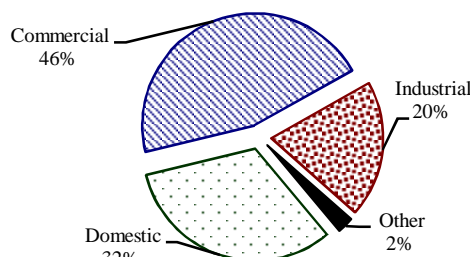
**Table 4.7 - Sales of electricity by tariff group, 2001 - 2010 (Republic of Mauritius)**

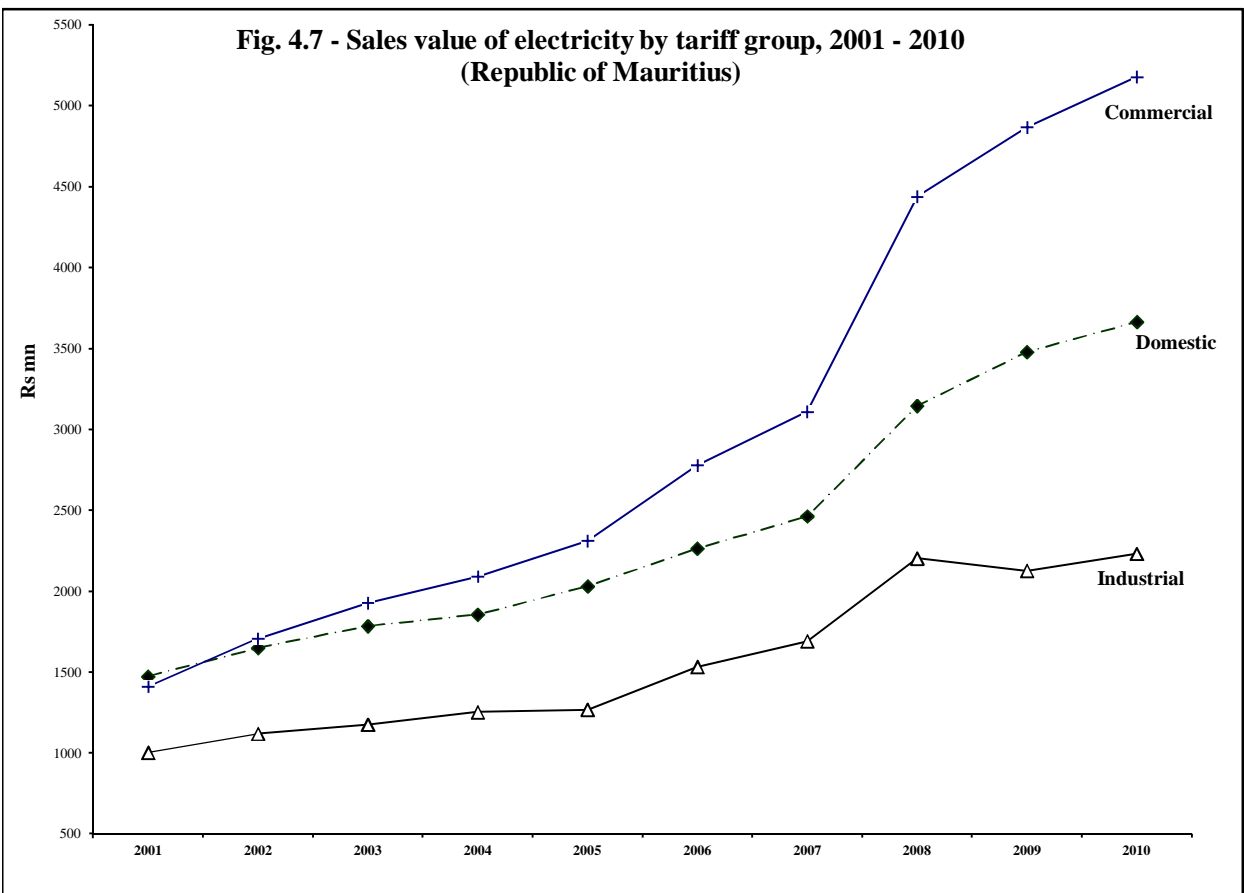
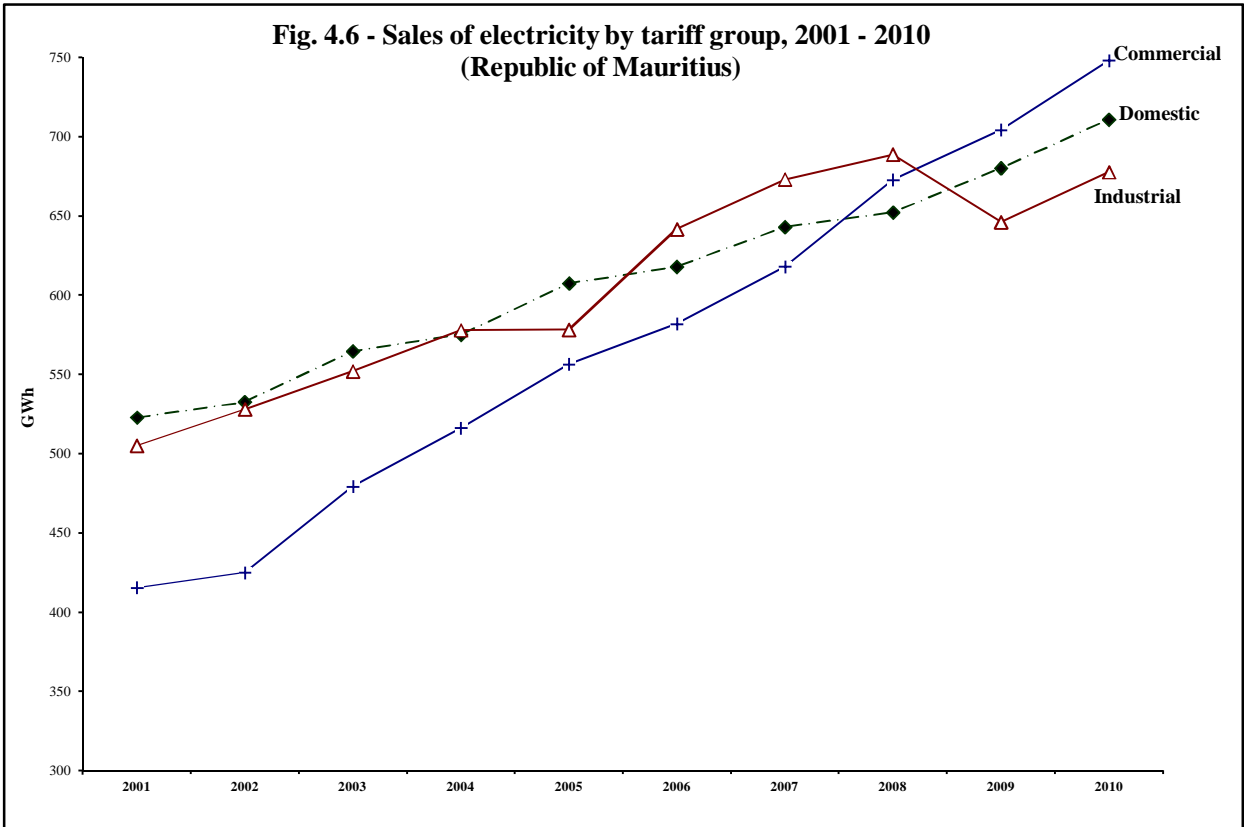
Tariff group	2001	2002	2003	2004	2005	2006	2007	2008	2009 <sup>1</sup>	2010 <sup>2</sup>
<b>Number of consumers</b>										
Domestic	297,051	303,620	311,523	319,425	328,726	335,816	343,142	350,627	358,359	364,474
Commercial	28,594	29,030	29,779	30,541	31,891	33,089	34,388	35,721	36,151	36,956
Industrial	7,084	7,164	7,218	7,205	7,316	7,364	7,435	7,295	7,143	7,008
Other	299	311	328	335	338	349	356	369	403	429
<b>Total</b>	<b>333,028</b>	<b>340,125</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>GWh sold</b>										
Domestic	522.8	532.5	564.6	575.0	607.5	617.9	643.0	652.2	680.1	710.7
Commercial	415.5	424.9	479.3	516.2	556.4	581.8	617.9	672.7	704.2	748.0
Industrial	505.0	527.9	552.0	577.9	578.1	641.6	673.0	688.7	646.1	677.6
Other	23.3	24.4	31.0	34.8	35.4	38.5	41.4	40.0	38.8	37.6
<b>Total</b>	<b>1,466.7</b>	<b>1,509.8</b>	<b>1,626.9</b>	<b>1,703.9</b>	<b>1,777.46</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>Value sold (Rs.mn)</b>										
Domestic	1,473.4	1,649.8	1,783.6	1,855.7	2,031.8	2,264.1	2,463.6	3,145.5	3,480.1	3,665.9
Commercial	1,411.4	1,707.7	1,928.6	2,091.6	2,312.4	2,779.1	3,109.5	4,439.4	4,867.6	5,178.4
Industrial	1,002.3	1,120.0	1,176.0	1,253.2	1,268.3	1,532.4	1,691.6	2,203.6	2,126.5	2,231.9
Other	83.7	104.5	134.6	151.6	159.2	194.3	216.8	275.0	277.9	269.6
<b>Total</b>	<b>3,970.8</b>	<b>4,582.0</b>	<b>5,022.8</b>	<b>5,352.1</b>	<b>5,771.69</b>	<b>6,769.9</b>	<b>7,481.5</b>	<b>10,063.5</b>	<b>10,752.1</b>	<b>11,345.8</b>
<b>Average sales price (Rs./kWh)</b>										
Domestic	2.82	3.10	3.16	3.23	3.34	3.66	3.83	4.82	5.12	5.16
Commercial	3.40	4.02	4.02	4.05	4.16	4.78	5.03	6.60	6.91	6.92
Industrial	1.98	2.12	2.13	2.17	2.19	2.39	2.51	3.20	3.29	3.29
Other	3.60	4.28	4.34	4.35	4.49	5.04	5.24	6.87	7.16	7.17
<b>Total</b>	<b>2.71</b>	<b>3.03</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>5.20</b>	<b>5.22</b>
<b>Average no. of units per consumer (kWh)</b>										
Domestic	1,760	1,754	1,812	1,800	1,848	1,840	1,874	1,860	1,898	1,950
Commercial	14,533	14,637	16,094	16,903	17,447	17,583	17,970	18,832	19,479	20,239
Industrial	71,290	73,695	76,476	80,204	79,022	87,123	90,514	94,414	90,445	96,692
Other	77,896	78,497	94,594	104,005	104,843	110,409	116,273	108,498	96,371	87,671
<b>Total</b>	<b>4,404</b>	<b>4,439</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>

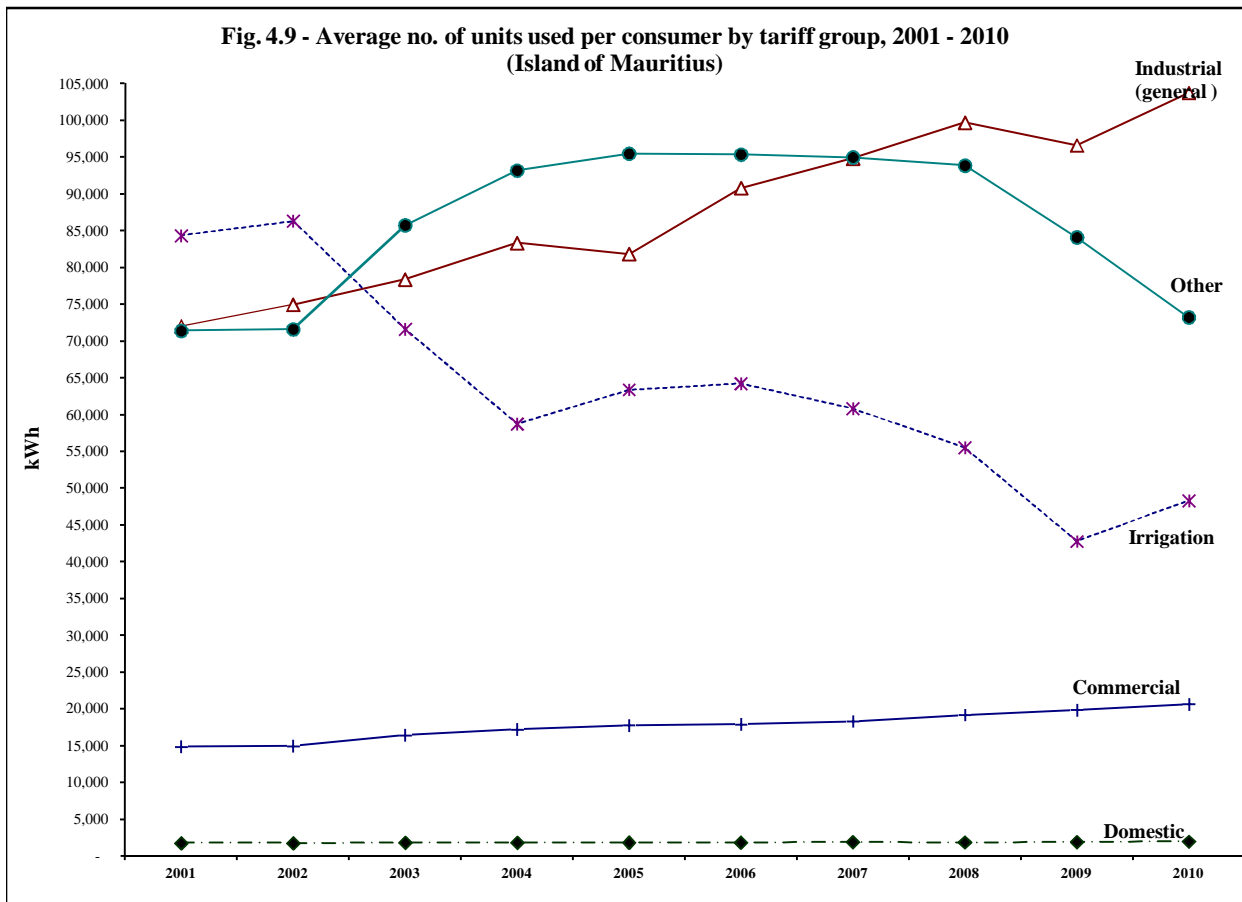
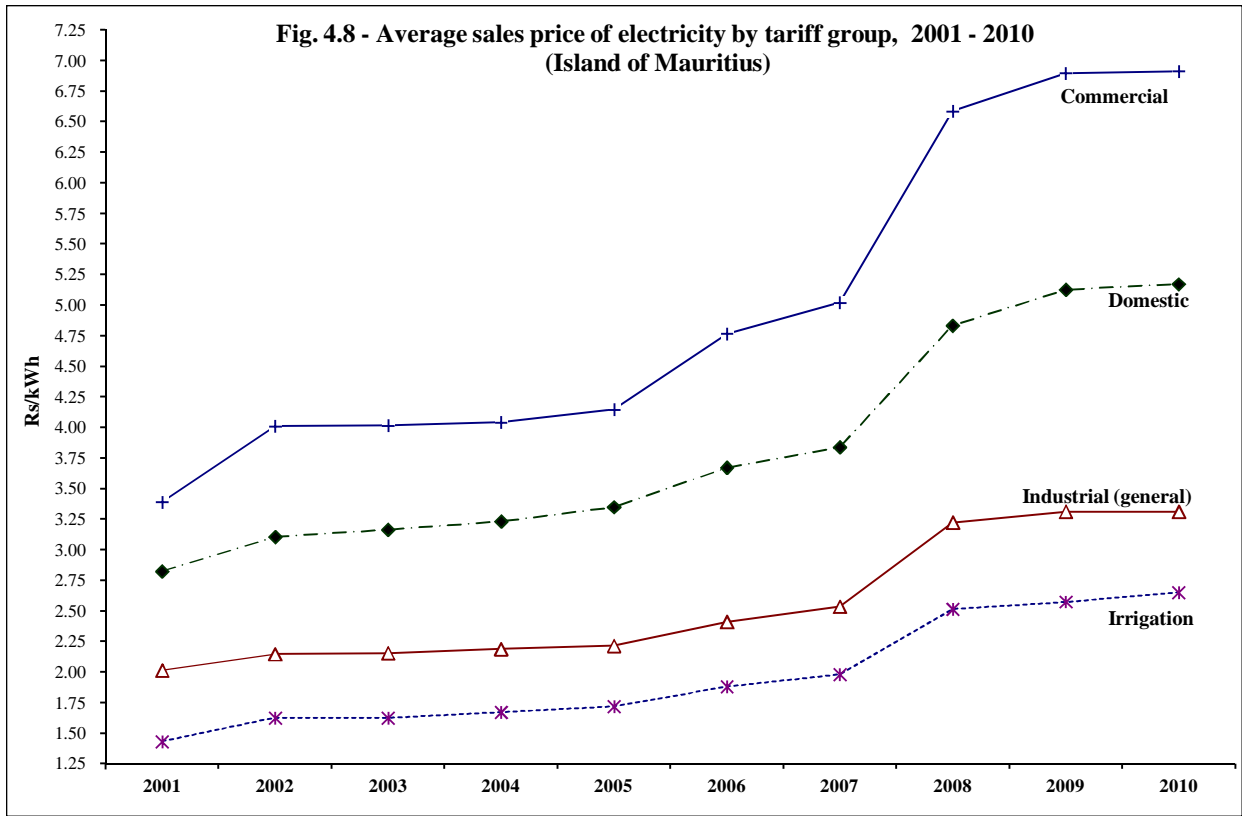
1 Revised

2 Provisional

Source: Central Electricity Board

**Fig. 4.3 - Percentage distribution of electricity consumers by tariff group, 2010****Fig. 4.4 - Percentage share of electricity consumed by tariff group, 2010****Fig. 4.5 - Percentage share of sales value of electricity by tariff group, 2010**





**Table 4.8 - Sales of electricity by tariff group, 2001 - 2010 (Island of Mauritius)**

Tariff group	2001	2002	2003	2004	2005	2006	2007	2008	2009 <sup>1</sup>	2010 <sup>2</sup>
<b>Number of consumers</b>										
Domestic	288,324	294,666	302,387	310,078	319,075	325,830	332,900	340,217	347,757	353,689
Commercial	27,655	28,054	28,797	29,552	30,866	32,060	33,309	34,630	35,051	35,813
Industrial	6,941	6,980	7,057	7,032	7,132	7,176	7,245	7,096	6,932	6,777
<i>General</i>	6,624	6,662	6,681	6,629	6,710	6,729	6,782	6,631	6,454	6,284
<i>Irrigation</i>	317	318	376	403	422	447	463	465	478	493
Other	293	305	322	328	331	342	349	362	396	422
<b>Total</b>	<b>323,213</b>	<b>330,005</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>GWh sold</b>										
Domestic	512.0	521.1	552.6	562.4	593.2	603.4	628.4	637.5	665.3	695.3
Commercial	411.0	419.7	473.0	509.2	548.2	574.1	610.1	664.5	695.7	739.6
Industrial	503.8	526.7	550.6	576.0	575.8	639.7	671.2	687.0	643.9	675.6
<i>General</i>	477.1	499.2	523.7	552.4	549.1	611.0	643.0	661.1	623.5	651.8
<i>Irrigation</i>	26.7	27.4	26.9	23.7	26.8	28.7	28.2	25.8	20.4	23.8
Other	23.1	24.2	30.8	34.5	35.0	38.0	40.8	39.4	38.2	36.9
<i>Street Lighting</i>	20.9	21.8	27.6	30.6	31.6	32.6	33.1	34.0	33.3	30.9
<i>Temporary</i>	0.1	0.1	0.1	0.1	0.4	0.4	0.2	0.2	0.2	0.2
<i>Miscellaneous</i>	2.0	2.2	3.0	3.8	3.0	4.9	7.4	5.2	4.7	5.8
<b>Total</b>	<b>1,449.8</b>	<b>1,491.7</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>Value sold (Rs.mm)</b>										
Domestic	1,445.6	1,617.3	1,749.2	1,817.5	1,986.4	2,215.0	2,412.2	3,080.6	3,411.0	3,593.2
Commercial	1,393.0	1,683.1	1,899.3	2,057.5	2,272.1	2,736.0	3,062.7	4,375.0	4,797.0	5,109.2
Industrial	999.0	1,116.5	1,171.9	1,248.3	1,262.0	1,526.4	1,685.7	2,195.9	2,117.5	2,223.0
<i>General</i>	960.7	1,071.9	1,128.1	1,208.8	1,216.1	1,472.5	1,629.9	2,130.9	2,064.8	2,160.0
<i>Irrigation</i>	38.3	44.6	43.8	39.5	45.9	54.0	55.8	64.9	52.6	63.0
Other	82.9	103.5	133.5	150.0	157.0	191.4	213.6	270.4	273.1	264.8
<b>Total</b>	<b>3,920.6</b>	<b>4,520.3</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>10,598.6</b>	<b>11,190.3</b>
<b>Average sales price (Rs./kWh)</b>										
Domestic	2.82	3.10	3.17	3.23	3.35	3.67	3.84	4.83	5.13	5.17
Commercial	3.39	4.01	4.02	4.04	4.14	4.77	5.02	6.58	6.90	6.91
Industrial	1.98	2.12	2.13	2.17	2.19	2.39	2.51	3.20	3.29	3.29
<i>General</i>	2.01	2.15	2.15	2.19	2.21	2.41	2.53	3.22	3.31	3.31
<i>Irrigation</i>	1.43	1.62	1.63	1.67	1.72	1.88	1.98	2.52	2.57	2.65
Other	3.60	4.28	4.34	4.35	4.49	5.04	5.23	6.87	7.16	7.17
<b>All tariff</b>	<b>2.70</b>	<b>3.03</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>5.19</b>	<b>5.21</b>
<b>Average no. of units per consumer (kWh)</b>										
Domestic	1,776	1,769	1,828	1,814	1,859	1,852	1,888	1,874	1,913	1,966
Commercial	14,861	14,960	16,426	17,229	17,761	17,907	18,317	19,189	19,847	20,651
Industrial	72,589	75,455	78,022	81,917	80,739	89,139	92,644	96,808	92,893	99,694
<i>General</i>	72,026	74,937	78,382	83,328	81,830	90,794	94,815	99,705	96,604	103,726
<i>Irrigation</i>	84,348	86,313	71,625	58,716	63,398	64,220	60,843	55,497	42,777	48,305
Other	71,391	71,610	85,748	93,190	95,480	95,368	94,979	93,867	84,099	73,227
<b>All consumers</b>	<b>4,486</b>	<b>4,520</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>

1 Revised

2 Provisional

Source: Central Electricity Board

**Table 4.9 - Sales of electricity by tariff group, 2001 - 2010 (Island of Rodrigues)**

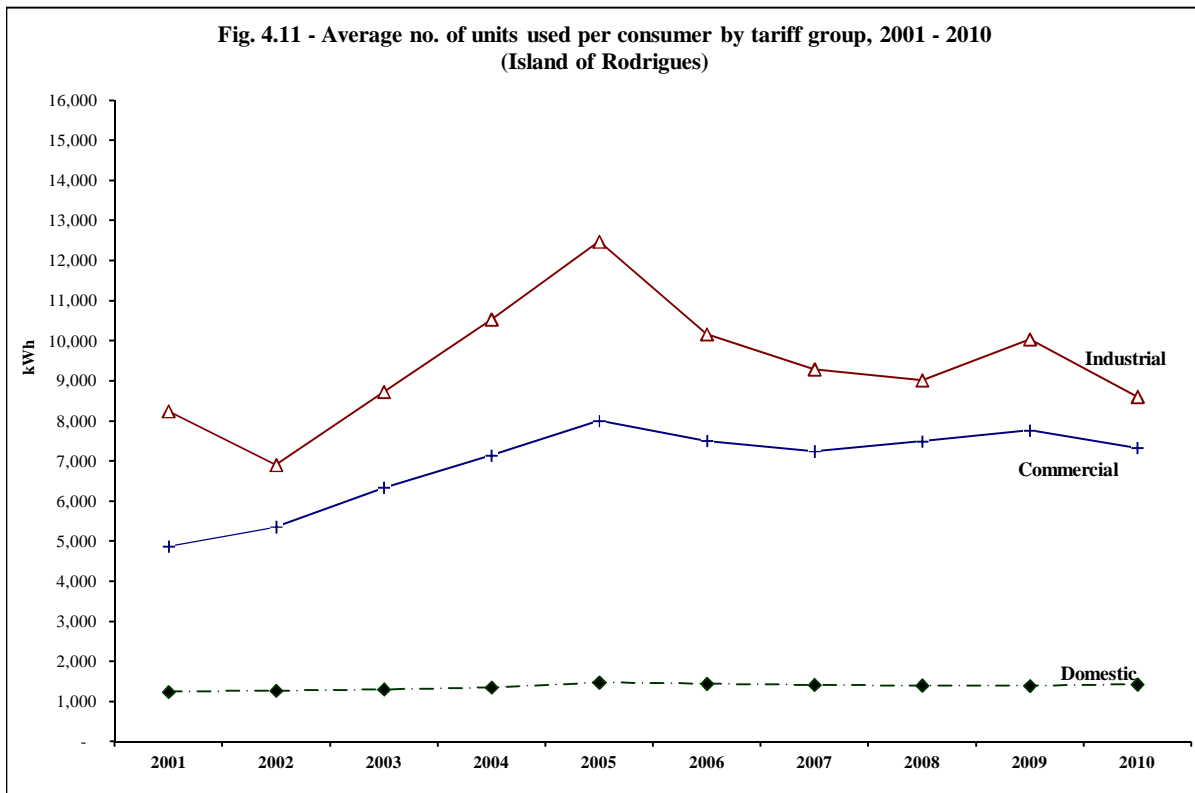
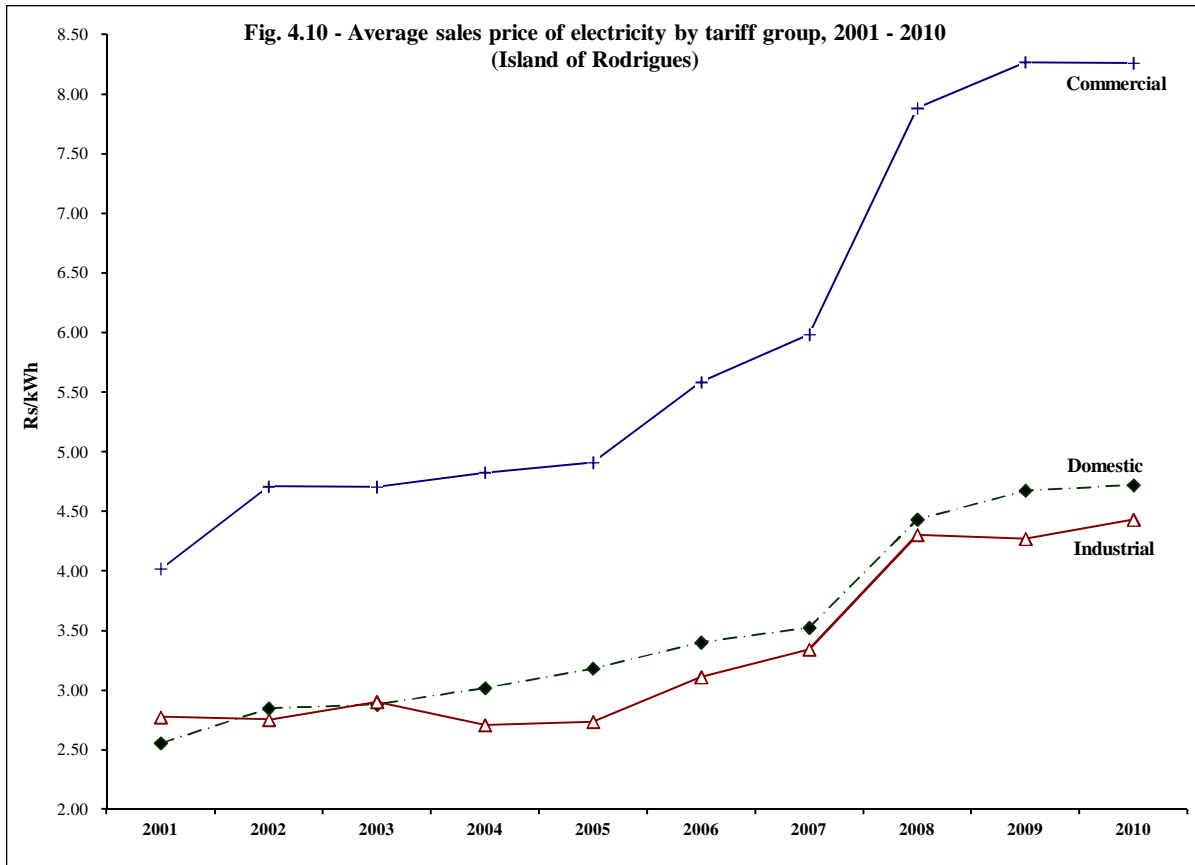
<b>Tariff group</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009<sup>1</sup></b>	<b>2010<sup>2</sup></b>
<b>Number of consumers</b>										
Domestic	8,727	8,954	9,136	9,347	9,651	9,986	10,242	10,410	10,602	10,785
Commercial	939	976	982	989	1,025	1,029	1,079	1,091	1,100	1,143
Industrial	143	184	161	173	184	188	190	199	211	231
Other	6	6	6	7	7	7	7	7	7	7
<b>Total</b>	<b>9,815</b>	<b>10,120</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>GWh sold</b>										
Domestic	10.8	11.4	12.0	12.6	14.3	14.4	14.6	14.6	14.8	15.0
Commercial	4.6	5.2	6.2	7.1	8.2	7.7	7.8	8.2	8.5	8.4
Industrial	1.2	1.3	1.4	1.8	2.3	1.9	1.8	1.8	2.1	2.0
Other	0.2	0.2	0.3	0.4	0.5	0.6	0.6	0.7	1.0	1.0
<b>Total</b>	<b>16.8</b>	<b>18.2</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>Value sold (Rs.mn)</b>										
Domestic	27.7	32.5	34.4	38.2	45.4	49.1	51.3	64.9	69.1	73.0
Commercial	18.4	24.6	29.3	34.1	40.3	43.1	46.8	64.4	70.6	69.0
Industrial	3.3	3.5	4.1	4.9	6.3	5.9	5.9	7.7	9.0	8.8
Other	0.8	1.0	1.1	1.6	2.2	2.9	3.2	4.6	4.7	4.8
<b>Total</b>	<b>50.2</b>	<b>61.7</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>153.5</b>	<b>155.5</b>
<b>Average sales price (Rs./kWh)</b>										
Domestic	2.56	2.85	2.88	3.02	3.18	3.40	3.52	4.43	4.68	4.72
Commercial	4.02	4.71	4.71	4.83	4.91	5.59	5.98	7.88	8.27	8.26
Industrial	2.77	2.75	2.90	2.71	2.74	3.11	3.34	4.30	4.27	4.43
Other	3.50	4.20	4.20	4.36	4.49	5.05	5.37	6.96	7.11	7.16
<b>Average</b>	<b>2.98</b>	<b>3.40</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>5.88</b>	<b>5.88</b>
<b>Average no. of units per consumer (kWh)</b>										
Domestic	1,243	1,274	1,309	1,352	1,477	1,446	1,422	1,406	1,395	1,429
Commercial	4,873	5,359	6,336	7,145	8,006	7,505	7,243	7,492	7,766	7,326
Industrial	8,242	6,902	8,727	10,539	12,474	10,169	9,292	9,016	10,036	8,608
Other	39,793	41,148	44,122	53,047	69,034	81,968	84,841	94,382	95,355	95,987
<b>Average</b>	<b>1,716</b>	<b>1,794</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>

1 Revised

2 Provisional

Source: Central Electricity Board





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

**Table 5.1 - Water balance for *Island of Mauritius* , 2006 - 2010**

	Unit	2006	2007	2008	2009	2010
<b>Rainfall</b>	Mm <sup>3</sup>	<b>3,571</b>	<b>3,644</b>	<b>4,440</b>	<b>4,470</b>	<b>3,368</b>
Surface Runoff	Mm <sup>3</sup>	2,143	2,186	2,664	2,682	2,021
Evapotranspiration	Mm <sup>3</sup>	1,071	1,093	1,332	1,341	1,010
Net Recharge to Groundwater	Mm <sup>3</sup>	357	364	444	447	337

Source : Water Resources Unit, Ministry of Public Utilities

**Table 5.2 - Main water indicators<sup>1/</sup>, 2006 - 2010**

Details	Unit	2006	2007	2008	2009	2010
Mid-year population	thousand	1,216	1,223	1,231	1,237	1,243
Mean annual rainfall						
<i>Island of Mauritius</i>	Millimetres	1,914	1,954	2,382	2,397	1,806
<i>Island of Rodrigues</i>	Millimetres	1,189	945	1,055	948	1,142
Potable water produced	Mm <sup>3</sup>	187	205	209	220	223
Potable water consumed	Mm <sup>3</sup>	94	95	94	98	100
Potable water produced per capita per day	litres	421	460	465	486	492
Potable water consumed per capita per day	litres	212	213	209	217	221
Consumption per capita per day for 'Domestic' tariffs	litres	158	167	163	166	166

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

**Table 5.3 - Water utilisation in *Island of Mauritius* by source of water, 2009 and 2010**

Mm<sup>3</sup>

Utilisation	2009				2010			
	Source of water			Total	Source of water			Total
	Surface water		Ground water		Surface water		Ground water	
	River-run offtakes	Reservoirs		River-run offtakes	Reservoirs			
Domestic, Industrial <sup>1/</sup> and tourism	36	76	111	223	36	64	112	212
Industrial <sup>2/</sup>	5	-	5	10	5	-	9	14
Agricultural	320	74	5	399	356	80	18	454
Hydropower	199	169	-	368	148	147	-	295
<b>Total</b>	<b>560</b>	<b>319</b>	<b>121</b>	<b>1,000</b>	<b>545</b>	<b>291</b>	<b>139</b>	<b>975</b>

1/ used through CWA

2/ used by water right owners and ground water licensees

Source : Water Resources Unit, Ministry of Public Utilities

**Table 5.4 - Fresh water abstractions in *Island of Mauritius* for agricultural, domestic and industrial use by source, 2001 - 2010**

Mm<sup>3</sup>

Source	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Surface water	515	524	552	512	541	528	518	497	511	513
<i>Reservoirs</i>	125	128	169	167	154	146	145	137	150	152
<i>Rivers and streams</i>	390	396	383	345	387	382	373	360	361	361
Ground water	145	148	148	150	150	154	112	119	121	124
<b>Total</b>	<b>660</b>	<b>672</b>	<b>700</b>	<b>662</b>	<b>691</b>	<b>682</b>	<b>630</b>	<b>616</b>	<b>632</b>	<b>637</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 Public Utilities

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

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
Capacity (Mm <sup>3</sup> )	5.3	4.3	4.1	25.9	6.3	25.5	3.0	0.6	3.0	11.5	2.3	90.7
District/ location	Pamplemousses	Grand Port		Pl. Wilhems			Moka		Black River			
Use	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 Public Utilities

**Table 5.6 - Mean rainfall, 2006 - 2010 (Island of Mauritius)**

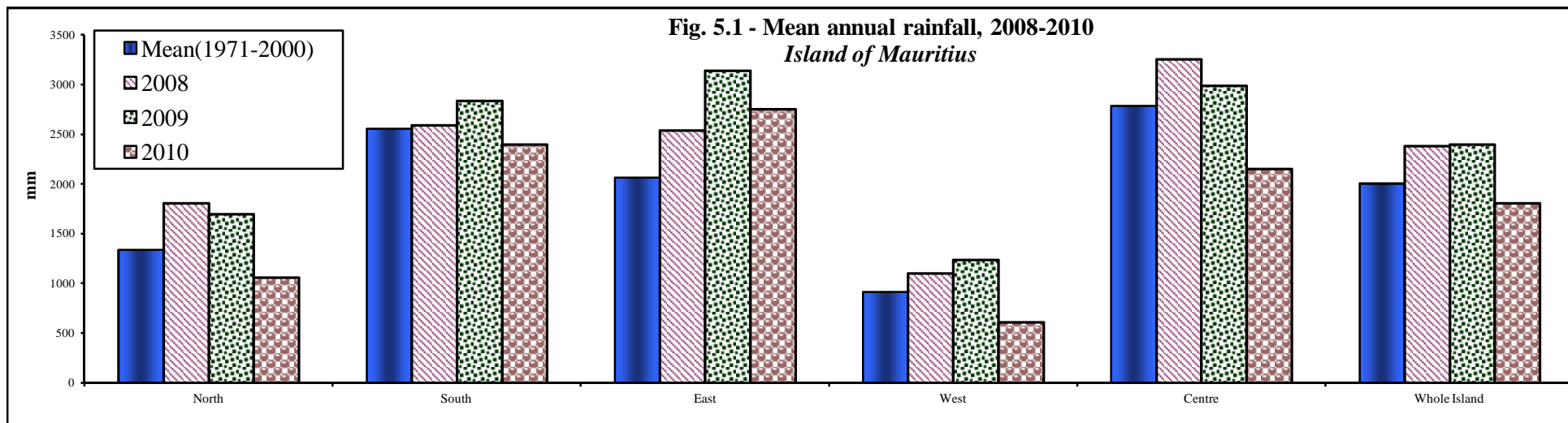
		<i>Millimetres</i>																				
Period	Long Term Mean (1971-2000)	2006		2007		2008		2009		2010		Long Term Mean (1971-2000)	2006		2007		2008		2009		2010	
		Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean		Mean	% of Long 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>North</b>										<b>South</b>										
	<i>1,341</i>	<i>1464</i>	<i>109</i>	<i>1095</i>	<i>82</i>	<i>1808</i>	<i>135</i>	<i>1696</i>	<i>126</i>	<i>1061</i>	<i>79</i>	<i>2,557</i>	<i>2200</i>	<i>86</i>	<i>2375</i>	<i>93</i>	<i>2593</i>	<i>101</i>	<i>2838</i>	<i>111</i>	<i>2400</i>	<i>94</i>
Jan	<i>186</i>	285	<i>154</i>	194	<i>104</i>	219	<i>118</i>	192	<i>104</i>	216	<i>116</i>	<i>290</i>	440	<i>151</i>	390	<i>134</i>	250	86	274	<i>94</i>	422	<i>146</i>
Feb	<i>245</i>	292	<i>119</i>	306	<i>125</i>	172	<i>70</i>	239	<i>97</i>	146	<i>60</i>	<i>366</i>	354	<i>97</i>	598	<i>163</i>	261	<i>71</i>	310	<i>85</i>	461	<i>126</i>
Mar	<i>161</i>	395	<i>245</i>	95	<i>59</i>	476	<i>275</i>	251	<i>156</i>	186	<i>116</i>	<i>325</i>	451	<i>139</i>	208	<i>64</i>	436	<i>134</i>	368	<i>113</i>	389	<i>120</i>
Apr	<i>165</i>	65	<i>39</i>	69	<i>42</i>	35	<i>21</i>	136	<i>82</i>	75	<i>45</i>	<i>280</i>	111	<i>40</i>	177	<i>63</i>	47	<i>17</i>	347	<i>124</i>	248	<i>89</i>
May	<i>107</i>	44	<i>41</i>	89	<i>83</i>	169	<i>157</i>	79	<i>74</i>	79	<i>74</i>	<i>212</i>	53	<i>25</i>	200	<i>94</i>	472	<i>223</i>	257	<i>121</i>	139	<i>66</i>
Jun	<i>72</i>	107	<i>148</i>	111	<i>154</i>	159	<i>220</i>	58	<i>81</i>	39	<i>54</i>	<i>157</i>	123	<i>78</i>	169	<i>108</i>	192	<i>122</i>	166	<i>106</i>	75	<i>48</i>
Jul	<i>73</i>	89	<i>122</i>	63	<i>86</i>	93	<i>127</i>	78	<i>107</i>	82	<i>112</i>	<i>180</i>	233	<i>130</i>	173	<i>96</i>	155	<i>86</i>	221	<i>123</i>	208	<i>116</i>
Aug	<i>68</i>	48	<i>71</i>	33	<i>49</i>	41	<i>60</i>	95	<i>140</i>	105	<i>154</i>	<i>180</i>	105	<i>58</i>	80	<i>44</i>	106	<i>59</i>	149	<i>83</i>	175	<i>97</i>
Sep	<i>44</i>	44	<i>100</i>	27	<i>61</i>	290	<i>660</i>	51	<i>116</i>	29	<i>66</i>	<i>112</i>	78	<i>70</i>	116	<i>104</i>	343	<i>307</i>	86	<i>77</i>	80	<i>71</i>
Oct	<i>41</i>	19	<i>45</i>	57	<i>139</i>	36	<i>87</i>	148	<i>360</i>	20	<i>49</i>	<i>96</i>	75	<i>78</i>	124	<i>129</i>	76	<i>79</i>	270	<i>281</i>	80	<i>83</i>
Nov	<i>47</i>	52	<i>111</i>	35	<i>74</i>	67	<i>143</i>	133	<i>282</i>	72	<i>153</i>	<i>110</i>	111	<i>101</i>	49	<i>45</i>	183	<i>166</i>	181	<i>165</i>	105	<i>95</i>
Dec	<i>132</i>	24	<i>18</i>	16	<i>12</i>	51	<i>39</i>	236	<i>179</i>	12	<i>9</i>	<i>249</i>	66	<i>27</i>	91	<i>37</i>	72	<i>29</i>	208	<i>84</i>	18	<i>7</i>
<b>Year</b>		<b>East</b>										<b>West</b>										
	<i>2,065</i>	<i>2646</i>	<i>127</i>	<i>2436</i>	<i>117</i>	<i>2540</i>	<i>122</i>	<i>3141</i>	<i>152</i>	<i>2757</i>	<i>133</i>	<i>918</i>	<i>740</i>	<i>84</i>	<i>1028</i>	<i>116</i>	<i>1104</i>	<i>120</i>	<i>1236</i>	<i>140</i>	<i>610</i>	<i>69</i>
Jan	<i>260</i>	455	<i>175</i>	449	<i>173</i>	228	<i>88</i>	196	<i>75</i>	524	<i>202</i>	<i>167</i>	223	<i>133</i>	186	<i>111</i>	135	<i>81</i>	229	<i>137</i>	115	<i>69</i>
Feb	<i>336</i>	482	<i>143</i>	574	<i>171</i>	230	<i>69</i>	366	<i>109</i>	624	<i>186</i>	<i>219</i>	167	<i>76</i>	528	<i>241</i>	108	<i>49</i>	122	<i>56</i>	221	<i>101</i>
Mar	<i>243</i>	658	<i>271</i>	203	<i>84</i>	657	<i>270</i>	544	<i>224</i>	417	<i>172</i>	<i>112</i>	221	<i>197</i>	84	<i>75</i>	236	<i>210</i>	153	<i>137</i>	124	<i>111</i>
Apr	<i>245</i>	129	<i>53</i>	149	<i>61</i>	60	<i>25</i>	315	<i>129</i>	173	<i>71</i>	<i>97</i>	5	<i>5</i>	1	<i>1</i>	14	<i>15</i>	110	<i>113</i>	36	<i>37</i>
May	<i>180</i>	73	<i>41</i>	224	<i>124</i>	255	<i>141</i>	256	<i>142</i>	206	<i>114</i>	<i>56</i>	27	<i>49</i>	4	<i>7</i>	115	<i>207</i>	49	<i>88</i>	19	<i>34</i>
Jun	<i>123</i>	127	<i>103</i>	193	<i>157</i>	141	<i>114</i>	114	<i>93</i>	73	<i>59</i>	<i>33</i>	6	<i>19</i>	84	<i>255</i>	84	<i>252</i>	23	<i>68</i>	6	<i>18</i>
Jul	<i>116</i>	242	<i>209</i>	162	<i>140</i>	135	<i>116</i>	203	<i>175</i>	210	<i>181</i>	<i>25</i>	24	<i>96</i>	25	<i>100</i>	42	<i>169</i>	24	<i>96</i>	29	<i>116</i>
Aug	<i>114</i>	124	<i>108</i>	84	<i>74</i>	85	<i>74</i>	214	<i>188</i>	229	<i>201</i>	<i>26</i>	3	<i>12</i>	17	<i>65</i>	13	<i>51</i>	25	<i>96</i>	29	<i>112</i>
Sep	<i>79</i>	117	<i>148</i>	95	<i>120</i>	384	<i>787</i>	120	<i>152</i>	77	<i>97</i>	<i>20</i>	9	<i>46</i>	6	<i>30</i>	238	<i>1190</i>	16	<i>79</i>	12	<i>60</i>
Oct	<i>74</i>	83	<i>111</i>	148	<i>200</i>	62	<i>84</i>	326	<i>440</i>	45	<i>61</i>	<i>18</i>	0	<i>0</i>	40	<i>222</i>	13	<i>70</i>	199	<i>1106</i>	1	<i>6</i>
Nov	<i>86</i>	98	<i>114</i>	69	<i>80</i>	164	<i>191</i>	234	<i>272</i>	160	<i>186</i>	<i>31</i>	41	<i>132</i>	14	<i>45</i>	56	<i>181</i>	178	<i>574</i>	11	<i>35</i>
Dec	<i>209</i>	58	<i>28</i>	86	<i>41</i>	139	<i>67</i>	253	<i>121</i>	19	<i>9</i>	<i>114</i>	14	<i>12</i>	39	<i>34</i>	50	<i>44</i>	108	<i>95</i>	7	<i>6</i>

Source: Mauritius Meteorological Services

**Table 5.6 - Mean rainfall, 2006 - 2010 (Island of Mauritius) (cont'd)**

		Millimetres																					
Period	Long Term Mean (1971-2000)	2006		2007		2008		2009		2010		Long Term Mean (1971-2000)	2006		2007		2008		2009		2010		
		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>Center</b>										<b>Whole Island</b>											
		2,790	2,433	87	2,744	98	3,256	117	2,991	107	2,154	77	2,006	1,914	95	1,954	97	2,382	118	2,397	119	1,806	90
Jan	354	443	125	503	142	307	87	384	99	314	89	261	372	142	347	133	241	92	259	99	318	122	
Feb	464	357	77	844	182	375	81	355	84	435	94	336	331	99	572	170	251	75	281	84	374	111	
Mar	337	563	167	228	68	649	192	441	145	238	71	242	459	189	165	68	508	209	352	145	271	112	
Apr	293	100	34	181	62	76	26	250	103	144	49	221	83	37	119	53	53	24	233	103	138	61	
May	210	66	32	170	81	390	186	241	112	155	74	159	53	33	139	87	299	188	178	112	120	75	
Jun	163	124	76	151	93	231	142	108	84	97	60	115	100	87	142	123	165	144	96	84	60	52	
Jul	181	279	154	180	99	230	127	218	126	256	141	120	177	147	123	103	135	113	152	126	160	133	
Aug	192	113	59	94	49	102	53	164	107	234	122	122	80	66	63	52	72	59	130	107	156	128	
Sep	126	109	86	102	81	435	345	89	90	97	77	81	72	89	71	88	348	429	73	90	60	74	
Oct	102	99	97	151	148	99	97	298	353	70	69	70	56	80	105	150	61	87	247	353	45	64	
Nov	105	117	111	56	53	191	182	202	230	95	90	80	85	106	45	56	152	190	184	230	89	111	
Dec	263	63	24	84	32	171	65	241	107	19	7	199	46	23	63	32	97	49	212	107	15	8	

Source: Mauritius Meteorological Services



**Table 5.7- Mean rainfall 2006 - 2010, Island of Rodrigues**

		<i>Millimetres</i>																					
Period	Long Term Mean (1971-2000)	2006		2007		2008		2009		2010		Long Term Mean (1971-2000)	2006		2007		2008		2009		2010		
		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>999</b>	<b>76</b>	<b>1027</b>	<b>78</b>	<b>1112</b>	<b>85</b>	<b>1132</b>	<b>86</b>	<b>1547</b>	<b>118</b>	<b>946</b>	<b>1064</b>	<b>112</b>	<b>920</b>	<b>70</b>	<b>1132</b>	<b>120</b>	<b>823</b>	<b>87</b>	<b>1188</b>	<b>126</b>
	Jan	173	39	23	111	64	119	69	84	48	295	170	122	48	40	158	131	111	91	38	31	188	154
	Feb	220	154	70	207	94	145	66	129	59	221	100	168	160	95	256	152	148	88	125	74	224	133
	Mar	150	201	134	81	54	60	40	112	75	84	56	125	418	334	78	62	88	70	73	58	85	68
	Apr	132	92	69	60	45	16	12	93	70	217	164	100	44	44	62	62	21	21	89	89	231	231
	May	85	63	74	53	63	243	288	165	195	170	201	72	40	55	39	57	117	161	160	222	143	199
	Jun	96	85	89	38	39	79	82	94	98	102	106	62	61	99	17	27	74	119	55	89	47	76
	Jul	99	185	188	99	100	126	127	132	134	100	101	53	137	256	67	126	119	223	107	200	49	92
	Aug	79	73	92	48	60	104	131	106	134	95	120	46	74	162	24	52	62	136	45	98	56	122
	Sep	57	48	84	61	107	60	105	89	156	17	30	32	20	62	36	112	45	141	66	207	26	81
	Oct	53	52	99	49	93	93	176	40	76	100	190	32	43	135	37	117	51	159	17	52	29	91
	Nov	84	5	6	8	10	0	0	24	29	91	108	64	11	17	9	14	214	334	18	29	78	122
Dec	84	2	2	212	253	67	79	64	76	55	66	70	8	11	137	195	82	117	30	43	32	46	
<b>Year</b>	<b>Port Sud Est</b>											<b>Pte Canon</b>											
		<b>2,169</b>	<b>1381</b>	<b>135</b>	<b>1231</b>	<b>120</b>	<b>1460</b>	<b>143</b>	<b>1220</b>	<b>119</b>	<b>1022</b>	<b>1369</b>	<b>1,105</b>	<b>1189</b>	<b>108</b>	<b>945</b>	<b>92</b>	<b>1055</b>	<b>95</b>	<b>948</b>	<b>86</b>	<b>1142</b>	<b>103</b>
	Jan	155	39	25	147	95	186	120	103	66	155	212	150	43	29	73	49	134	89	69	46	208	139
	Feb	206	221	107	561	272	210	102	217	105	206	118	185	207	112	315	170	147	79	130	70	169	91
	Mar	128	546	427	103	80	101	79	124	97	128	37	131	377	288	54	41	77	59	103	79	69	53
	Apr	110	48	44	62	56	24	22	107	97	110	159	117	91	78	47	40	21	18	82	70	214	183
	May	59	55	93	47	80	256	434	145	246	59	232	78	67	86	35	44	157	201	122	156	144	185
	Jun	67	103	154	19	28	91	136	121	181	67	112	78	78	100	30	39	88	113	87	112	46	59
	Jul	57	202	354	89	156	71	125	144	253	57	88	81	159	196	75	93	41	51	106	131	76	94
	Aug	56	55	98	47	84	115	205	67	120	56	139	59	55	93	43	72	88	149	75	127	67	114
	Sep	34	21	62	37	109	59	174	70	206	34	32	44	29	66	46	104	50	114	65	148	16	36
	Oct	35	73	209	20	57	72	206	32	91	35	126	41	48	117	38	94	65	159	32	78	46	112
	Nov	50	11	22	1	2	179	358	29	58	50	86	70	12	17	7	10	134	191	32	46	50	71
Dec	65	7	11	98	151	96	148	61	94	65	28	71	23	32	182	256	53	75	45	63	37	52	

Source: Mauritius Meteorological Services

**Table 5.7 - Mean rainfall 2006 - 2010, *Island of Rodrigues (cont'd)***

*Millimetres*

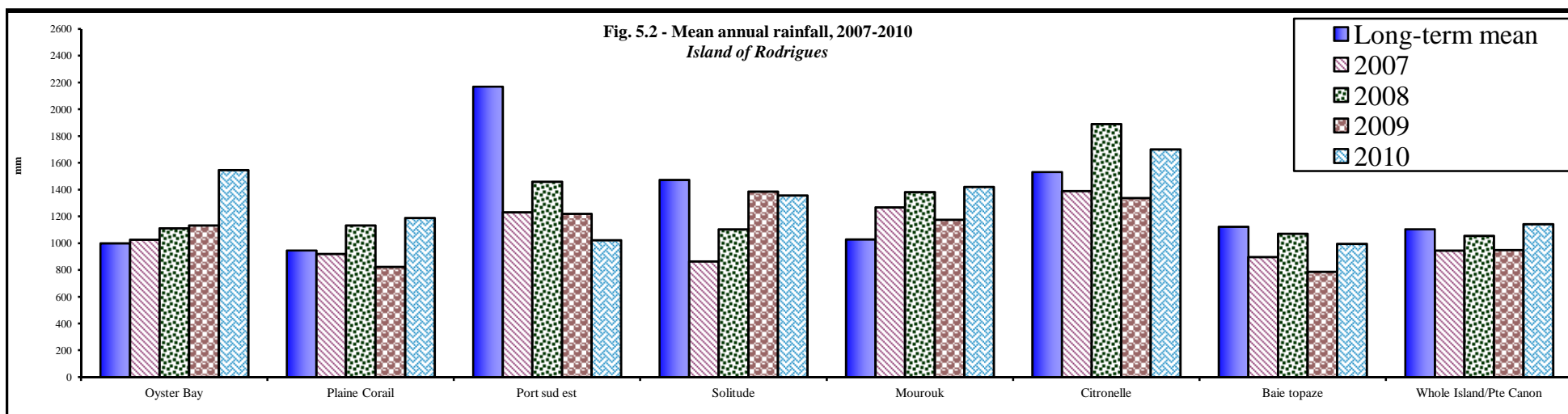
Period	Long Term Mean	2006		2007		2008		2009		2010		Long Term Mean	2006		2007		2008		2009		2010		
		Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean		Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean	
Year	(1981-2000)	<b>Mourouk</b>										(1971-2000)	<b>Solitude</b>										
		<b>1,028</b>	<b>1283</b>	<b>125</b>	<b>1267</b>	<b>123</b>	<b>1382</b>	<b>134</b>	<b>1175</b>	<b>114</b>	<b>1420</b>	<b>138</b>	<b>1,475</b>	<b>863</b>	<b>59</b>	<b>1104</b>	<b>75</b>	<b>1385</b>	<b>94</b>	<b>1145</b>	<b>78</b>	<b>1357</b>	<b>92</b>
	Jan	<b>160</b>	43	27	165	103	187	117	112	70	399	249	<b>160</b>	12	8	93	58	148	93	79	294	199	124
	Feb	<b>181</b>	239	132	504	278	205	113	219	121	244	135	<b>268</b>	16	6	380	142	184	69	160	121	209	78
	Mar	<b>142</b>	452	318	104	73	84	59	119	84	54	38	<b>165</b>	330	200	...	...	90	55	122	38	104	63
	Apr	<b>137</b>	35	26	49	36	29	21	139	101	200	146	<b>151</b>	104	69	78	51	23	15	98	384	238	158
	May	<b>61</b>	48	79	46	75	229	375	109	179	151	248	<b>100</b>	54	54	38	38	207	207	144	183	151	151
	Jun	<b>59</b>	104	176	29	49	82	139	107	181	83	141	<b>101</b>	64	64	41	41	127	126	96	54	68	67
	Jul	<b>60</b>	209	348	73	122	53	88	126	210	69	115	<b>114</b>	121	106	99	87	116	102	149	43	90	79
	Aug	<b>50</b>	42	84	46	92	97	194	50	100	85	170	<b>93</b>	76	81	64	69	103	111	76	90	88	95
	Sep	<b>31</b>	25	81	73	235	77	248	70	226	11	35	<b>65</b>	35	53	49	76	73	112	84	104	14	22
	Oct	<b>35</b>	57	163	18	51	48	137	31	89	53	151	<b>62</b>	45	72	53	86	88	142	45	28	93	150
	Nov	<b>59</b>	25	42	2	3	180	305	35	59	50	85	<b>93</b>	...	...	4	4	137	147	35	83	72	78
Dec	<b>53</b>	4	8	158	298	111	209	58	109	21	40	<b>103</b>	8	7	205	199	89	86	57	755	31	30	
Year	(1982-2000)	<b>Citronelle</b>										(1993-2000)	<b>Baie Topaze</b>										
		<b>1,532</b>	<b>1708</b>	<b>111</b>	<b>1389</b>	<b>91</b>	<b>1891</b>	<b>123</b>	<b>1338</b>	<b>87</b>	<b>1700</b>	<b>111</b>	<b>1,123</b>	<b>1097</b>	<b>98</b>	<b>896</b>	<b>80</b>	<b>1071</b>	<b>95</b>	<b>787</b>	<b>70</b>	<b>996</b>	<b>89</b>
	Jan	<b>183</b>	16	9	113	62	189	103	125	68	289	158	<b>173</b>	44	25	124	72	89	51	44	25	191	110
	Feb	<b>236</b>	343	145	399	169	214	91	200	85	248	105	<b>192</b>	112	58	269	140	171	89	74	39	168	88
	Mar	<b>171</b>	450	263	110	64	105	61	143	84	120	70	<b>153</b>	463	303	62	41	77	50	50	33	72	47
	Apr	<b>170</b>	169	99	82	48	35	21	114	67	247	145	<b>114</b>	46	40	69	61	19	17	76	67	184	161
	May	<b>99</b>	29	29	58	59	223	225	173	175	143	144	<b>61</b>	25	41	29	48	111	182	155	254	138	226
	Jun	<b>104</b>	144	138	61	59	186	179	16	15	82	79	<b>79</b>	71	90	18	23	63	80	65	82	0	0
	Jul	<b>118</b>	214	181	111	94	151	128	186	158	131	111	<b>61</b>	166	272	70	115	90	148	114	187	61	100
	Aug	<b>103</b>	98	95	84	82	139	135	116	113	95	92	<b>66</b>	79	120	27	41	73	111	64	97	50	76
	Sep	<b>75</b>	91	121	70	93	114	152	98	131	24	32	<b>39</b>	22	56	44	113	68	174	70	179	9	23
	Oct	<b>76</b>	127	167	75	99	102	134	52	68	146	192	<b>49</b>	48	98	27	55	53	108	21	43	40	82
	Nov	<b>115</b>	9	8	16	14	281	244	47	41	128	111	<b>81</b>	3	4	2	2	193	238	14	17	63	78
Dec	<b>82</b>	18	22	210	256	152	185	68	83	47	57	<b>55</b>	18	33	155	282	64	116	40	73	20	36	



**Table 5.7 - Mean rainfall 2006 - 2010, *Island of Rodrigues (cont'd)***

		<i>Millimetres</i>																	
Period	Long Term Mean (1981-2000)	2008		2009		2010		Long Term Mean (1961-1990)	2006		2007		2008		2009		2010		
		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>Marechal<sup>1/</sup></b>								<b>Whole Island</b>										
		1,320	1,742	132	1,353	103	1,294	98	1,105	1,189	108	945	86	1,055	95	948	86	1,142	103
	Jan	156	122	78	74	47	345	221	150	43	29	73	49	134	89	69	46	208	139
	Feb	213	287	135	187	88	276	130	185	207	112	315	170	147	79	130	70	169	91
	Mar	152	0	0	125	82	79	52	131	377	288	54	41	77	59	103	79	69	53
	Apr	152	46	30	76	50	219	144	117	91	78	47	40	21	18	82	70	214	183
	May	99	186	188	200	202	147	148	78	67	86	35	45	157	201	122	156	144	185
	Jun	96	135	141	109	114	45	47	78	78	100	30	38	88	113	87	112	46	59
	Jul	92	154	167	232	252	0	0	81	159	196	75	93	41	51	106	131	76	94
	Aug	80	124	155	107	134	0	0	59	55	93	43	73	88	149	75	127	67	114
	Sep	53	125	236	104	196	0	0	44	29	66	46	105	50	114	65	148	16	36
	Oct	55	72	131	36	65	92	167	41	48	117	38	93	65	159	32	78	46	112
	Nov	89	323	363	43	48	70	79	70	12	17	7	10	134	191	32	46	50	71
Dec	83	168	202	60	72	21	25	71	23	32	182	256	53	75	45	63	37	52	

1/ Marechal became operational anew in 2007



Note: 'Long-term mean' refers to: 1971-2000 for Oyster Bay, Plaine Corail, Port Sud Est, Solitude and Pte Canon (mean for the Island);

1981-2000 for Mourouk and St Gabriel;

1982-2000 for Citronelle and Baie Topaze;

1993-2000 for Baie Topaze.

**Table 5.8- Percentage of water level by month and reservoir, 2006 - 2010 (Island of Mauritius)**

Period	Average for 1990-1999 (%)	2006			2007			2008			2009			2010		
		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	72	69	77	44	42	54	37	34	40	67	64	69	72	69	77
Feb	65	74	69	79	64	55	<b>98</b>	42	36	50	69	65	71	88	76	<b>98</b>
Mar	80	<b>92</b>	79	<b>96</b>	<b>99</b>	<b>98</b>	<b>100</b>	58	48	78	76	70	81	<b>96</b>	<b>95</b>	<b>97</b>
Apr	83	<b>92</b>	88	<b>96</b>	<b>95</b>	<b>93</b>	<b>98</b>	74	70	78	82	78	86	<b>94</b>	<b>91</b>	<b>96</b>
May	83	82	76	88	<b>92</b>	<b>90</b>	<b>95</b>	74	65	83	88	84	<b>93</b>	86	83	<b>91</b>
Jun	81	71	68	76	<b>91</b>	88	<b>93</b>	86	84	88	89	86	<b>92</b>	78	74	83
Jul	79	71	67	77	87	86	88	86	83	88	85	83	88	75	74	77
Aug	80	76	74	78	82	77	86	86	82	89	<b>90</b>	88	<b>91</b>	79	78	82
Sep	78	71	68	74	72	67	77	85	79	<b>93</b>	84	79	89	80	75	83
Oct	72	65	61	68	64	61	67	<b>90</b>	85	<b>93</b>	<b>75</b>	70	79	72	67	76
Nov	63	59	57	61	55	50	61	78	72	84	78	76	80	60	55	67
Dec	58	52	46	58	45	40	49	69	65	74	72	66	76	48	41	55
<b>La Nicoliere (Capacity 5.26 Mm<sup>3</sup>)</b>																
Jan	63	64	44	77	63	47	87	55	40	63	<b>98</b>	89	<b>100</b>	<b>91</b>	70	<b>100</b>
Feb	75	<b>92</b>	80	<b>100</b>	<b>99</b>	<b>90</b>	<b>100</b>	75	47	<b>100</b>	<b>100</b>	<b>99</b>	<b>100</b>	<b>97</b>	86	<b>100</b>
Mar	<b>91</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</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>
Apr	<b>92</b>	<b>99</b>	87	<b>100</b>	84	75	<b>100</b>	81	47	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>90</b>	84	<b>93</b>
May	<b>95</b>	66	55	87	74	57	88	54	36	89	<b>100</b>	<b>98</b>	<b>100</b>	86	78	<b>93</b>
Jun	<b>94</b>	71	57	82	85	62	<b>98</b>	<b>100</b>	<b>92</b>	<b>100</b>	<b>97</b>	<b>92</b>	<b>100</b>	77	68	<b>90</b>
Jul	<b>93</b>	58	40	79	71	61	84	<b>100</b>	<b>99</b>	<b>100</b>	74	64	<b>91</b>	84	73	<b>100</b>
Aug	<b>94</b>	63	45	76	69	59	73	<b>100</b>	<b>96</b>	<b>100</b>	<b>99</b>	89	<b>100</b>	82	68	<b>100</b>
Sep	89	31	23	46	67	63	72	<b>92</b>	81	<b>100</b>	<b>94</b>	77	<b>100</b>	81	68	<b>97</b>
Oct	69	48	27	67	71	63	82	<b>97</b>	82	<b>100</b>	73	64	<b>96</b>	70	67	73
Nov	46	68	63	72	58	46	73	68	64	80	<b>98</b>	89	<b>100</b>	78	70	87
Dec	39	55	47	63	45	42	54	80	70	87	70	59	<b>93</b>	70	53	85
<b>Piton du Milieu (Capacity 2.99 Mm<sup>3</sup>)</b>																
Jan	64	75	56	<b>99</b>	69	63	<b>97</b>	47	44	49	<b>94</b>	76	<b>100</b>	<b>95</b>	89	<b>100</b>
Feb	72	<b>99</b>	<b>95</b>	<b>100</b>	<b>100</b>	<b>99</b>	<b>100</b>	73	52	<b>100</b>	<b>100</b>	<b>99</b>	<b>100</b>	<b>100</b>	<b>98</b>	<b>100</b>
Mar	88	<b>100</b>	<b>99</b>	<b>100</b>	<b>99</b>	<b>98</b>	<b>100</b>	<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>
Apr	89	<b>96</b>	<b>92</b>	<b>99</b>	<b>97</b>	<b>95</b>	<b>99</b>	<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>
May	<b>91</b>	81	72	<b>91</b>	<b>98</b>	<b>94</b>	<b>99</b>	<b>93</b>	84	<b>100</b>	<b>98</b>	<b>97</b>	<b>100</b>	<b>90</b>	<b>87</b>	<b>94</b>
Jun	86	64	57	71	<b>98</b>	<b>95</b>	<b>100</b>	<b>99</b>	<b>99</b>	<b>100</b>	<b>94</b>	89	<b>98</b>	82	75	88
Jul	83	61	54	76	<b>91</b>	89	<b>95</b>	<b>97</b>	<b>94</b>	<b>100</b>	85	81	89	74	72	77
Aug	83	83	76	86	87	82	<b>91</b>	<b>96</b>	<b>90</b>	<b>100</b>	<b>97</b>	<b>90</b>	<b>99</b>	85	78	<b>97</b>
Sep	81	88	86	89	75	71	82	<b>92</b>	83	<b>100</b>	<b>93</b>	85	<b>98</b>	<b>96</b>	90	<b>99</b>
Oct	73	83	80	87	69	68	71	<b>96</b>	89	<b>99</b>	79	73	85	82	72	90
Nov	60	79	74	82	66	62	69	80	72	89	<b>90</b>	85	<b>94</b>	62	54	71
Dec	57	74	67	80	54	48	62	81	76	85	88	81	<b>93</b>	45	37	54

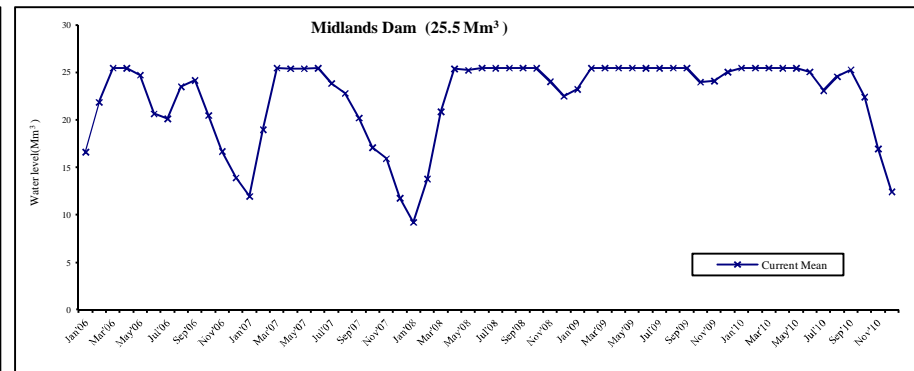
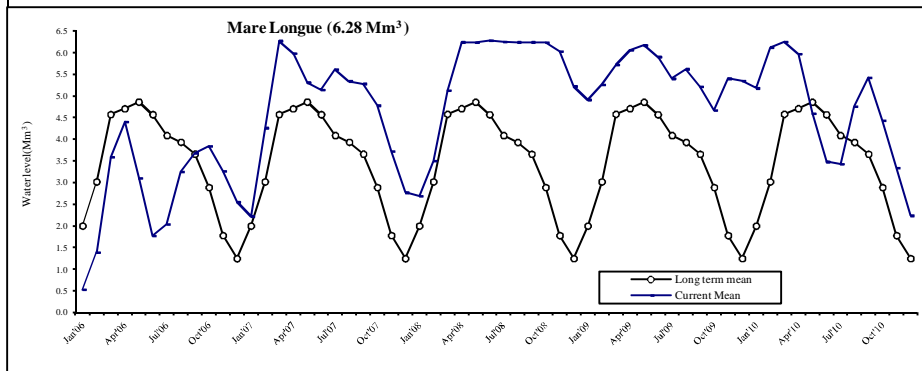
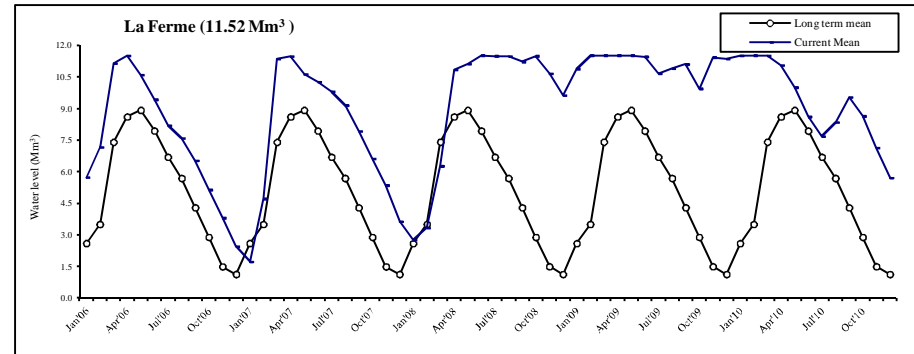
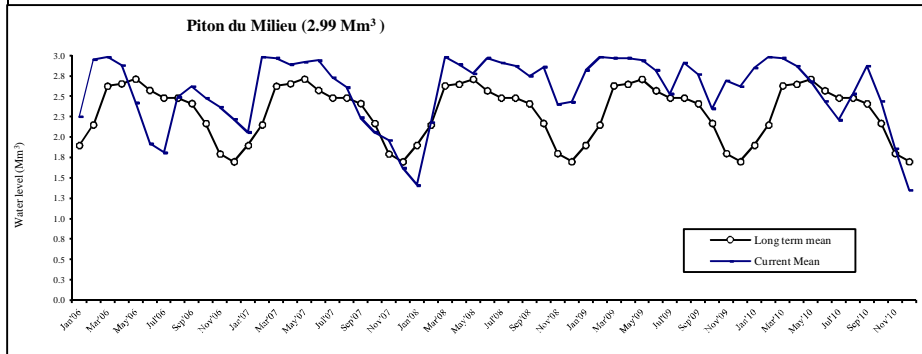
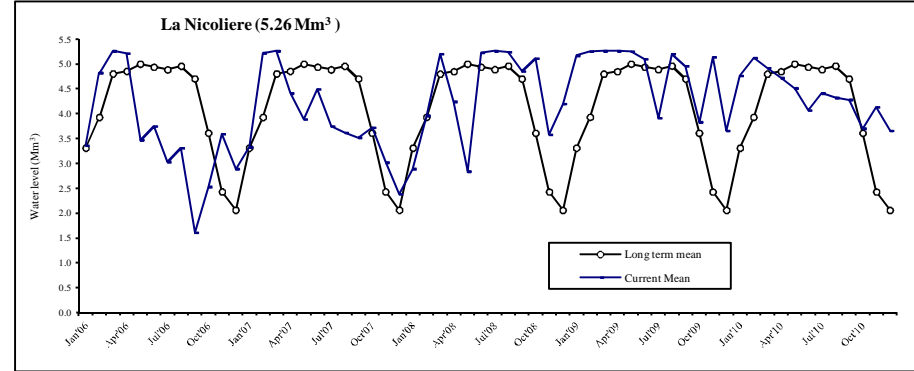
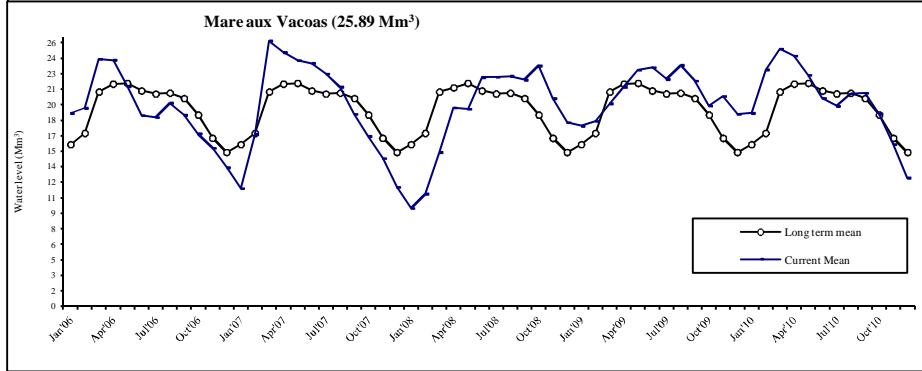
Source : Water Resources Unit, Ministry of Public Utilities

Table 5.8 - Percentage of water level by month and reservoir, 2006 - 2010 (Island of Mauritius) (cont'd)

Period	Average for 1990-1999 (%)	2006			2007			2008			2009			2010			
		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	50	43	56	15	13	22	24	21	26	94	81	100	100	98	100	
Feb	30	62	55	80	41	24	82	29	22	41	100	100	100	100	100	100	
Mar	64	97	80	100	99	85	100	54	42	81	100	100	100	100	99	100	
Apr	75	100	99	100	100	98	100	94	83	98	100	100	100	96	93	100	
May	77	92	86	98	92	88	97	97	91	100	100	100	100	87	81	92	
Jun	69	82	76	86	89	86	92	100	100	100	99	98	100	75	69	81	
Jul	58	71	69	76	85	83	88	100	99	100	93	89	97	67	66	69	
Aug	49	66	61	71	79	75	83	100	98	100	95	90	99	72	68	81	
Sep	37	57	52	61	69	64	75	97	93	100	96	93	99	83	81	84	
Oct	25	45	39	52	58	53	63	100	98	100	86	81	92	75	68	81	
Nov	13	33	29	39	46	39	53	92	87	98	99	90	100	62	57	68	
Dec	10	21	15	29	32	25	39	84	80	88	99	94	100	50	43	56	
<b>Mare Longue (Capacity 6.28 Mm<sup>3</sup>)</b>																	
Jan	32	9	0	17	35	32	51	43	41	45	78	77	79	83	79	90	
Feb	48	22	14	33	68	52	100	56	46	69	84	77	88	97	91	100	
Mar	73	57	32	71	100	99	100	82	69	100	91	86	97	100	99	100	
Apr	75	70	62	74	95	91	99	99	99	100	97	94	100	95	86	100	
May	77	49	37	62	85	81	91	99	98	100	98	96	99	73	64	85	
Jun	73	28	24	37	82	78	85	100	100	100	94	89	99	55	51	63	
Jul	65	33	25	45	89	85	93	100	99	100	86	84	89	55	50	65	
Aug	63	52	47	56	85	83	90	99	99	100	89	88	91	76	66	86	
Sep	58	59	56	60	84	83	85	99	99	100	83	78	87	86	77	91	
Oct	46	61	57	64	76	66	83	99	98	100	74	69	81	71	63	76	
Nov	28	52	47	56	59	52	66	96	90	98	86	82	89	53	45	62	
Dec	20	41	32	50	44	41	51	83	78	91	85	74	92	36	29	44	
<b>All reservoirs, excluding Midlands Dam (Capacity 51.94 Mm<sup>3</sup>)</b>																	
Jan	49	59	52	65	40	37	52	37	34	39	79	73	82	83	79	87	
Feb	56	68	62	77	63	16	95	46	36	58	83	80	84	94	87	98	
Mar	77	90	77	95	99	95	100	66	58	85	87	83	90	97	96	98	
Apr	82	92	88	94	95	93	99	84	78	86	91	88	93	94	91	97	
May	83	79	72	87	90	86	94	81	73	90	94	91	97	85	80	91	
Jun	79	68	65	71	89	86	91	93	91	94	93	90	96	75	70	81	
Jul	75	64	60	71	85	84	87	93	91	94	86	83	89	71	70	76	
Aug	73	70	67	73	81	77	83	93	89	94	92	89	93	78	74	84	
Sep	68	63	60	67	72	68	77	90	85	96	88	82	92	82	77	86	
Oct	58	59	57	60	65	62	68	94	89	96	77	72	83	73	67	77	
Nov	46	55	52	57	55	48	61	82	77	89	87	84	88	62	57	67	
Dec	41	45	39	52	42	39	48	76	73	79	80	74	86	49	41	57	
<b>Midlands Dam (Capacity 25.5 Mm<sup>3</sup>)</b>																	
Jan	Impounding of reservoir started on 13 September 2002	65	59	76	47	43	63	36	33	39	91	81	98	100	100	100	
Feb		86	76	100	75	64	100	54	42	69	100	99	100	100	100	100	100
Mar		100	100	100	100	99	100	82	70	100	100	100	100	100	100	100	100
Apr		100	100	100	100	99	100	100	99	100	100	100	100	100	100	100	100
May		97	91	100	100	99	100	99	96	100	100	100	100	100	100	100	100
Jun		81	73	90	100	99	100	100	100	100	100	100	100	100	98	95	100
Jul		79	74	88	94	91	99	100	100	100	100	100	99	100	91	88	94
Aug		92	89	94	90	85	94	100	100	100	100	100	100	100	96	91	100
Sep		95	90	97	79	73	85	100	100	100	100	100	100	100	99	96	100
Oct		80	71	89	67	64	73	100	100	100	94	89	100	88	78	96	
Nov		66	63	71	63	56	66	94	87	100	95	92	97	67	57	78	
Dec		55	46	63	46	36	56	88	82	96	98	95	100	49	41	57	

Source : Water Resources Unit, Ministry of Public Utilities

**Fig. 5.3 - Water level in each reservoir for 2006 - 2010 (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, 2006 - 2010 (Island of Mauritius)**

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
	Surface	Borehole	Total	Surface	Borehole	Total	Surface	Borehole	Total	Surface	Borehole	Total	Surface	Borehole	Total	Surface	Borehole	Total	Surface	Borehole	Total		
	Mm <sup>3</sup>																						
<b>2006</b>	<b>36.8</b>	<b>5.8</b>	<b>42.6</b>	-	<b>17.8</b>	<b>17.8</b>	<b>21.0</b>	<b>10.4</b>	<b>31.4</b>	<b>20.2</b>	<b>22.3</b>	<b>42.4</b>	<b>9.3</b>	<b>16.0</b>	<b>25.2</b>	<b>8.8</b>	<b>18.5</b>	<b>27.3</b>	<b>96.0</b>	<b>90.8</b>	<b>186.8</b>	<b>51%</b>	<b>49%</b>
Jan	3.4	0.5	<b>3.9</b>	-	0.5	<b>0.5</b>	1.8	0.8	<b>2.7</b>	1.6	2.0	<b>3.6</b>	0.8	1.4	<b>2.2</b>	0.8	1.4	<b>2.2</b>	8.5	6.5	<b>15.0</b>	57%	43%
Feb	3.1	0.5	<b>3.5</b>	-	0.5	<b>0.5</b>	1.8	0.8	<b>2.6</b>	1.5	1.5	<b>3.0</b>	0.7	1.2	<b>1.9</b>	0.8	1.4	<b>2.2</b>	7.8	5.8	<b>13.7</b>	57%	43%
Mar	3.5	0.5	<b>4.0</b>	-	0.5	<b>0.5</b>	1.2	1.8	<b>2.9</b>	1.6	1.6	<b>3.2</b>	0.8	1.3	<b>2.1</b>	0.8	1.6	<b>2.4</b>	7.9	7.3	<b>15.2</b>	52%	48%
Apr	3.4	0.5	<b>3.9</b>	-	0.5	<b>0.5</b>	1.9	0.8	<b>2.7</b>	1.6	1.6	<b>3.2</b>	0.8	1.3	<b>2.1</b>	0.8	1.5	<b>2.3</b>	8.5	6.1	<b>14.6</b>	58%	42%
May	3.4	0.5	<b>3.8</b>	-	0.5	<b>0.5</b>	2.0	0.7	<b>2.7</b>	1.6	2.0	<b>3.6</b>	0.8	1.3	<b>2.1</b>	0.8	1.5	<b>2.3</b>	8.5	6.5	<b>15.0</b>	57%	43%
Jun	3.0	0.5	<b>3.5</b>	-	2.2	<b>2.2</b>	1.8	0.8	<b>2.7</b>	1.6	1.9	<b>3.5</b>	0.7	1.3	<b>2.0</b>	0.8	1.5	<b>2.3</b>	8.0	8.2	<b>16.2</b>	49%	51%
Jul	3.0	0.5	<b>3.6</b>	-	2.4	<b>2.4</b>	1.9	0.8	<b>2.8</b>	1.6	2.0	<b>3.6</b>	0.8	1.3	<b>2.1</b>	0.8	1.6	<b>2.4</b>	8.1	8.6	<b>16.7</b>	48%	52%
Aug	2.9	0.5	<b>3.4</b>	-	2.3	<b>2.3</b>	1.9	0.8	<b>2.7</b>	1.5	2.1	<b>3.6</b>	0.8	1.4	<b>2.2</b>	0.7	1.6	<b>2.3</b>	7.8	8.6	<b>16.4</b>	47%	53%
Sep	2.7	0.5	<b>3.2</b>	-	2.2	<b>2.2</b>	1.8	0.8	<b>2.6</b>	1.5	2.0	<b>3.5</b>	0.8	1.4	<b>2.1</b>	0.7	1.5	<b>2.2</b>	7.5	8.3	<b>15.8</b>	48%	52%
Oct	2.9	0.5	<b>3.3</b>	-	2.2	<b>2.2</b>	1.8	0.7	<b>2.6</b>	1.8	2.0	<b>3.8</b>	0.8	1.4	<b>2.2</b>	0.7	1.7	<b>2.3</b>	8.0	8.5	<b>16.5</b>	48%	52%
Nov	2.6	0.4	<b>3.1</b>	-	2.1	<b>2.1</b>	1.6	0.7	<b>2.3</b>	2.0	1.9	<b>3.8</b>	0.8	1.4	<b>2.1</b>	0.6	1.7	<b>2.3</b>	7.5	8.2	<b>15.7</b>	48%	52%
Dec	2.9	0.4	<b>3.3</b>	-	2.1	<b>2.1</b>	1.5	0.8	<b>2.2</b>	2.2	1.8	<b>4.0</b>	0.8	1.4	<b>2.2</b>	0.7	1.6	<b>2.3</b>	8.0	8.1	<b>16.1</b>	50%	50%
<b>2007</b>	<b>38.6</b>	<b>6.1</b>	<b>44.7</b>	-	<b>31.6</b>	<b>31.6</b>	<b>20.3</b>	<b>11.0</b>	<b>31.3</b>	<b>23.7</b>	<b>22.1</b>	<b>45.8</b>	<b>9.2</b>	<b>16.3</b>	<b>25.5</b>	<b>8.6</b>	<b>18.0</b>	<b>26.6</b>	<b>100.5</b>	<b>105.0</b>	<b>205.5</b>	<b>49%</b>	<b>51%</b>
Jan	2.9	0.4	<b>3.3</b>	-	2.1	<b>2.1</b>	1.6	0.7	<b>2.3</b>	2.1	1.8	<b>3.9</b>	0.7	1.6	<b>2.3</b>	0.8	1.3	<b>2.1</b>	8.1	7.9	<b>15.9</b>	51%	49%
Feb	2.8	0.5	<b>3.2</b>	-	2.0	<b>2.0</b>	1.5	0.7	<b>2.2</b>	2.0	1.7	<b>3.7</b>	0.7	1.1	<b>1.8</b>	0.6	1.6	<b>2.2</b>	7.6	7.6	<b>15.1</b>	50%	50%
Mar	3.3	0.5	<b>3.7</b>	-	2.2	<b>2.2</b>	1.6	1.3	<b>2.9</b>	2.2	1.9	<b>4.1</b>	0.8	1.4	<b>2.2</b>	0.8	1.7	<b>2.5</b>	8.6	9.0	<b>17.6</b>	49%	51%
Apr	3.2	0.5	<b>3.7</b>	-	2.5	<b>2.5</b>	1.7	0.9	<b>2.5</b>	2.1	1.9	<b>4.0</b>	0.7	1.4	<b>2.1</b>	0.8	1.6	<b>2.3</b>	8.4	8.7	<b>17.1</b>	49%	51%
May	3.3	0.5	<b>3.9</b>	-	2.6	<b>2.6</b>	1.8	0.8	<b>2.6</b>	2.1	2.1	<b>4.1</b>	0.8	1.4	<b>2.2</b>	0.7	1.7	<b>2.4</b>	8.7	9.0	<b>17.7</b>	49%	51%
Jun	3.2	0.5	<b>3.7</b>	-	2.3	<b>2.3</b>	1.7	0.7	<b>2.5</b>	2.0	1.9	<b>3.9</b>	0.8	1.4	<b>2.2</b>	0.7	1.6	<b>2.3</b>	8.4	8.4	<b>16.8</b>	50%	50%
Jul	3.4	0.6	<b>3.9</b>	-	3.1	<b>3.1</b>	1.8	1.2	<b>3.0</b>	1.7	2.1	<b>3.7</b>	0.7	1.3	<b>2.1</b>	0.8	1.4	<b>2.2</b>	8.4	9.6	<b>17.9</b>	47%	53%
Aug	3.5	0.5	<b>4.0</b>	-	3.1	<b>3.1</b>	1.9	1.0	<b>2.9</b>	1.8	2.0	<b>3.8</b>	0.8	1.3	<b>2.1</b>	0.8	1.4	<b>2.1</b>	8.7	9.3	<b>17.9</b>	48%	52%
Sep	3.2	0.5	<b>3.7</b>	-	2.8	<b>2.8</b>	1.8	1.0	<b>2.8</b>	1.7	2.0	<b>3.7</b>	0.8	1.4	<b>2.1</b>	0.7	1.4	<b>2.1</b>	8.2	9.0	<b>17.3</b>	48%	52%
Oct	3.3	0.6	<b>3.8</b>	-	3.1	<b>3.1</b>	1.8	1.0	<b>2.8</b>	2.1	1.6	<b>3.6</b>	0.8	1.4	<b>2.2</b>	0.6	1.5	<b>2.1</b>	8.6	9.0	<b>17.6</b>	49%	51%
Nov	3.5	0.5	<b>4.0</b>	-	3.1	<b>3.1</b>	1.7	1.0	<b>2.7</b>	2.1	1.6	<b>3.7</b>	0.9	1.5	<b>2.3</b>	0.7	1.5	<b>2.2</b>	8.8	9.1	<b>17.9</b>	49%	51%
Dec	3.2	0.5	<b>3.7</b>	-	2.8	<b>2.8</b>	1.5	0.9	<b>2.4</b>	2.0	1.6	<b>3.5</b>	0.8	1.3	<b>2.1</b>	0.7	1.5	<b>2.1</b>	8.2	8.5	<b>16.7</b>	49%	51%

Source: Central Water Authority

**Table 5.9 - Average monthly potable water production from treatment plants and boreholes to distribution systems, 2006 - 2010 (Island of Mauritius ) (cont'd)**

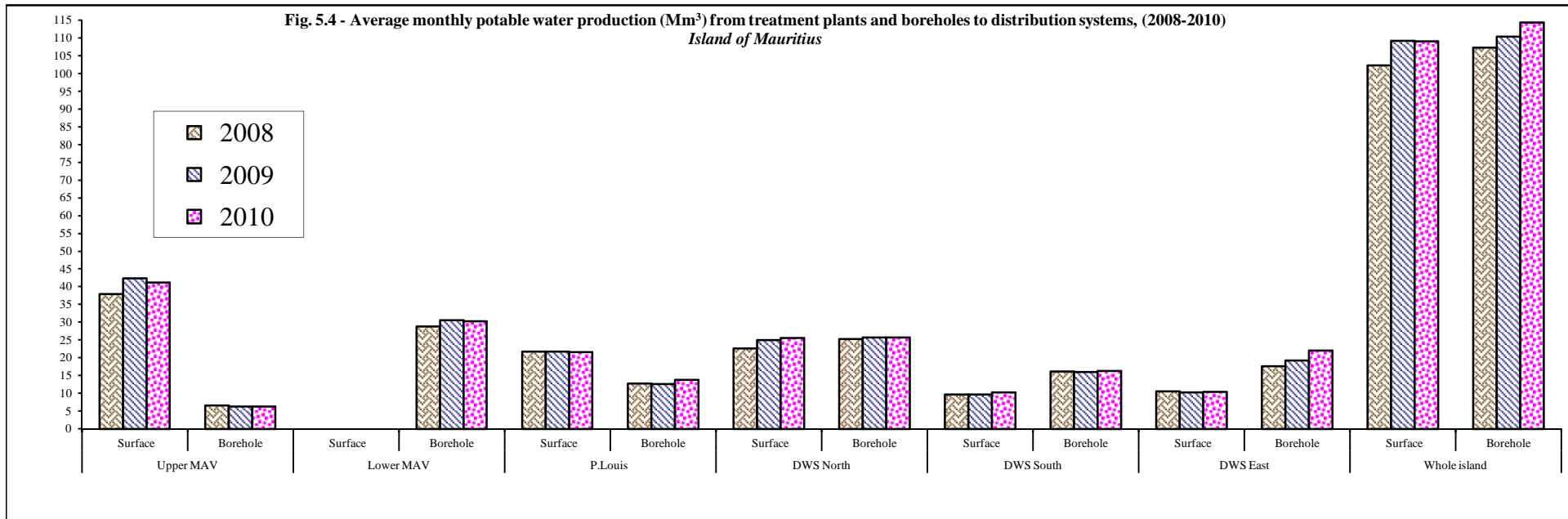
Month	Mare Aux Vacoas (Upper)			Mare Aux Vacoas (Lower)			Port -Louis			District water supply - North			District water supply - South			District water supply - East			Total production				
	Surface	Borehole	Total	Surface	Borehole	Total	Surface	Borehole	Total	Surface	Borehole	Total	Surface	Borehole	Total	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, 2006 - 2010 (Island of Mauritius ) (cont'd)**

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
<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%

Source: Central Water Authority



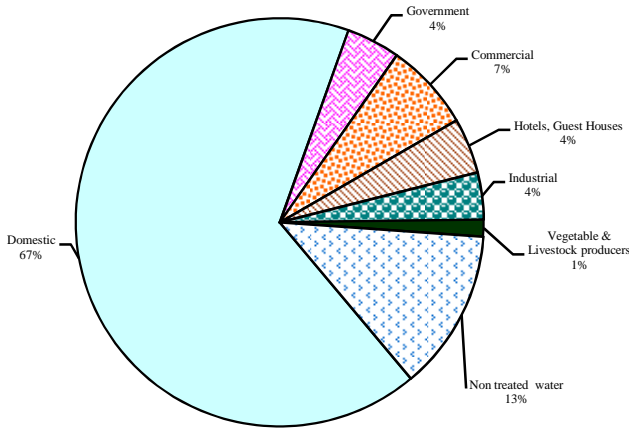
**Table 5.10 - Water sales by tariff of subscriber, 2006 - 2010 (Island of Mauritius)**

Type of tariff	2006	2007	2008	2009	2010	2006	2007	2008	2009	2010
	<b>No. of subscribers</b>					<b>% distribution of subscribers</b>				
Domestic	272,269	278,625	284,592	292,294	299,300	93.8	93.4	93.3	93.0	93.0
Government	3,763	3,879	4,053	4,184	4,224	1.3	1.3	1.3	1.3	1.3
Acquired / concessionary prizes	45	43	44	43	39	0.0	0.0	0.0	0.0	-
Commercial	10,102	11,260	11,855	12,822	13,308	3.5	3.8	3.9	4.1	4.1
Hotels, Guest Houses	206	224	264	280	297	0.1	0.1	0.1	0.1	0.1
Industrial	736	744	716	697	661	0.3	0.2	0.2	0.2	0.2
Ship	1	1	1	1	1	0.0	0.0	0.0	0.0	-
<b>Sub total</b>	<b>287,122</b>	<b>294,776</b>	<b>301,525</b>	<b>310,321</b>	<b>317,830</b>	<b>98.9</b>	<b>98.9</b>	<b>98.8</b>	<b>98.8</b>	<b>98.7</b>
Vegetable & Livestock producers	2,871	3,129	3,281	3,611	3,774	1.0	1.0	1.1	1.1	1.2
<b>Total potable water</b>	<b>289,993</b>	<b>297,905</b>	<b>304,806</b>	<b>313,932</b>	<b>321,604</b>	<b>99.9</b>	<b>99.9</b>	<b>99.9</b>	<b>99.9</b>	<b>99.9</b>
<b>Total non-treated water (Agriculture/Industrial)</b>	<b>276</b>	<b>278</b>	<b>286</b>	<b>294</b>	<b>296</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>
<b>Grand Total</b>	<b>290,269</b>	<b>298,183</b>	<b>305,092</b>	<b>314,226</b>	<b>321,900</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
	<b>Volume sold (thousand m<sup>3</sup>)</b>					<b>% Consumption</b>				
Domestic	73,158	73,007	72,093	75,119	76,521	67.3	66.0	66.2	68.1	66.5
Government	4,631	4,686	4,788	4,956	4,887	4.3	4.2	4.4	4.5	4.2
Acquired / concessionary prizes	17	16	15	14	14	0.0	0.0	0.0	0.0	-
Commercial	5,987	6,743	7,086	7,543	7,973	5.5	6.1	6.5	6.8	6.9
Hotels, Guest Houses	4,267	4,429	4,595	4,652	5,057	3.9	4.0	4.2	4.2	4.4
Industrial	4,712	4,827	3,995	4,055	4,285	4.3	4.4	3.7	3.7	3.7
Ship	51	38	50	52	48	0.0	0.0	0.0	0.0	-
<b>Sub total</b>	<b>92,823</b>	<b>93,746</b>	<b>92,622</b>	<b>96,392</b>	<b>98,785</b>	<b>85.4</b>	<b>84.7</b>	<b>85.1</b>	<b>87.4</b>	<b>85.7</b>
Vegetable & Livestock producers	1,433	1,421	1,403	1,455	1,536	1.3	1.3	1.3	1.3	1.3
<b>Total potable water</b>	<b>94,256</b>	<b>95,167</b>	<b>94,025</b>	<b>97,847</b>	<b>100,321</b>	<b>86.7</b>	<b>86.0</b>	<b>86.4</b>	<b>88.7</b>	<b>87.2</b>
<b>Total non-treated water (Agriculture/Industrial)</b>	<b>14,412</b>	<b>15,490</b>	<b>14,799</b>	<b>12,419</b>	<b>14,678</b>	<b>13.3</b>	<b>14.0</b>	<b>13.6</b>	<b>11.3</b>	<b>12.8</b>
<b>Grand Total</b>	<b>108,668</b>	<b>110,657</b>	<b>108,824</b>	<b>110,266</b>	<b>114,999</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
	<b>Amount collectible Rs.(000)</b>					<b>Average sales price (Rs/m<sup>3</sup>)</b>				
Domestic	551,036	549,907	509,134	536,537	550,641	7.53	7.53	7.06	7.14	7.20
Government	82,060	84,235	85,883	88,736	86,815	17.72	17.98	17.94	17.91	17.77
Acquired / concessionary prizes	123	117	87	73	78	7.16	7.31	5.87	5.04	5.41
Commercial	101,014	115,157	120,113	127,860	134,923	16.87	17.08	16.95	16.95	16.92
Hotels, Guest Houses	124,867	129,650	134,117	135,515	147,363	29.26	29.27	29.19	29.13	29.14
Industrial	71,250	72,998	59,782	60,900	64,151	15.12	15.12	14.96	15.02	14.97
Ship	1,359	1,070	1,399	1,469	1,412	26.89	28.00	28.00	28.00	29.19
<b>Sub total</b>	<b>931,709</b>	<b>953,134</b>	<b>910,515</b>	<b>951,088</b>	<b>985,383</b>	<b>10.04</b>	<b>10.17</b>	<b>9.83</b>	<b>9.87</b>	<b>9.98</b>
Vegetable & Livestock producers	11,176	11,282	11,024	11,735	12,058	7.80	7.94	7.86	8.06	7.85
<b>Total potable water</b>	<b>942,885</b>	<b>964,416</b>	<b>921,539</b>	<b>962,823</b>	<b>997,441</b>	<b>10.00</b>	<b>10.13</b>	<b>9.80</b>	<b>9.84</b>	<b>9.94</b>
<b>Total non-treated water (Agriculture/Industrial)</b>	<b>38,224</b>	<b>41,120</b>	<b>40,316</b>	<b>35,985</b>	<b>38,349</b>	<b>2.65</b>	<b>2.65</b>	<b>2.72</b>	<b>2.90</b>	<b>2.61</b>
<b>Grand Total</b>	<b>981,109</b>	<b>1,005,536</b>	<b>961,855</b>	<b>998,808</b>	<b>1,035,790</b>	<b>9.03</b>	<b>9.09</b>	<b>8.84</b>	<b>9.06</b>	<b>12.55</b>

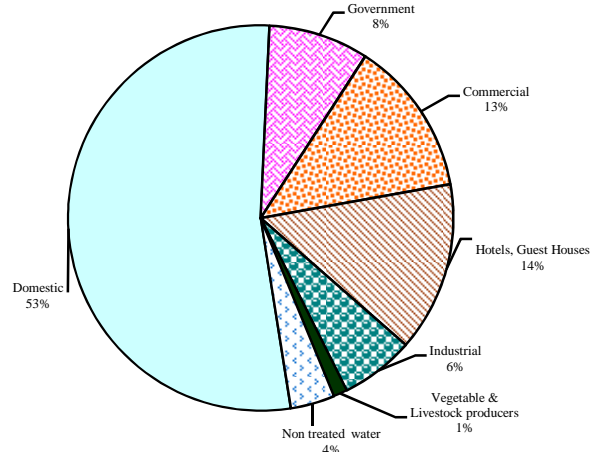
Source: Central Water Authority



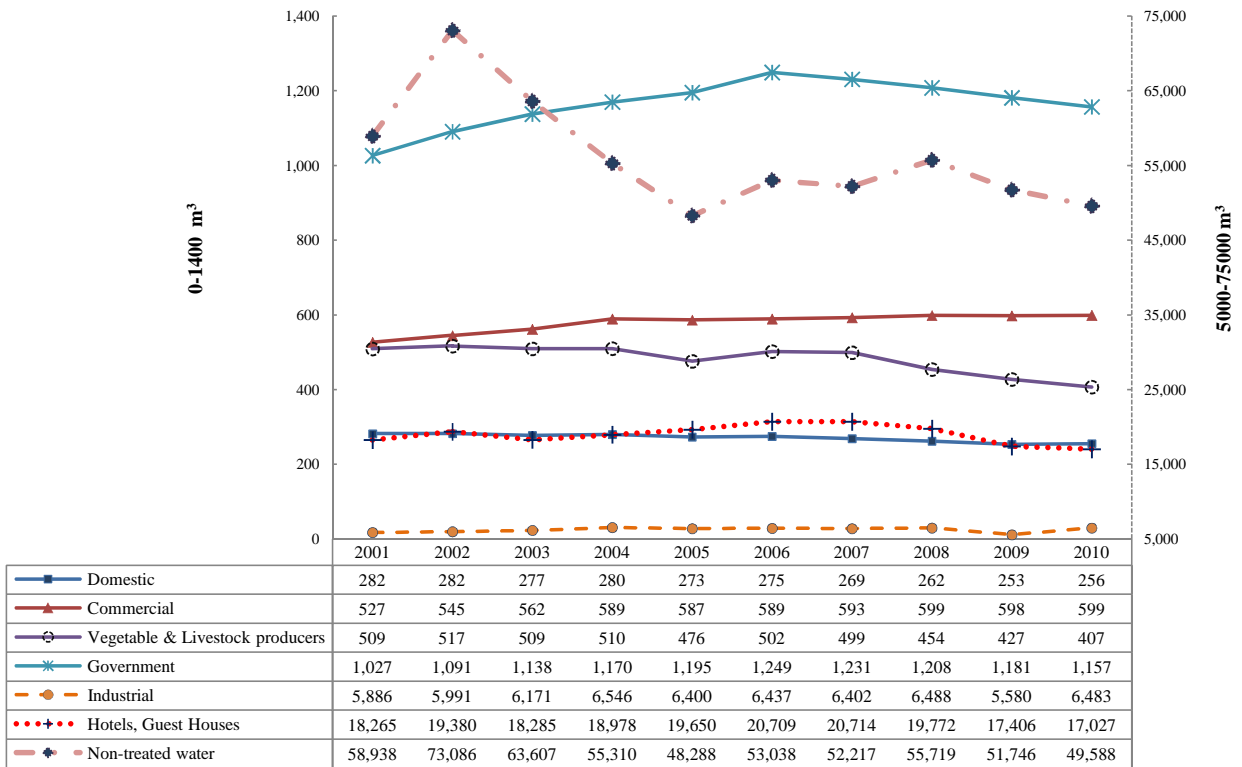
**Fig. 5.5 - Percentage of water sold by tariff of subscriber, 2010**



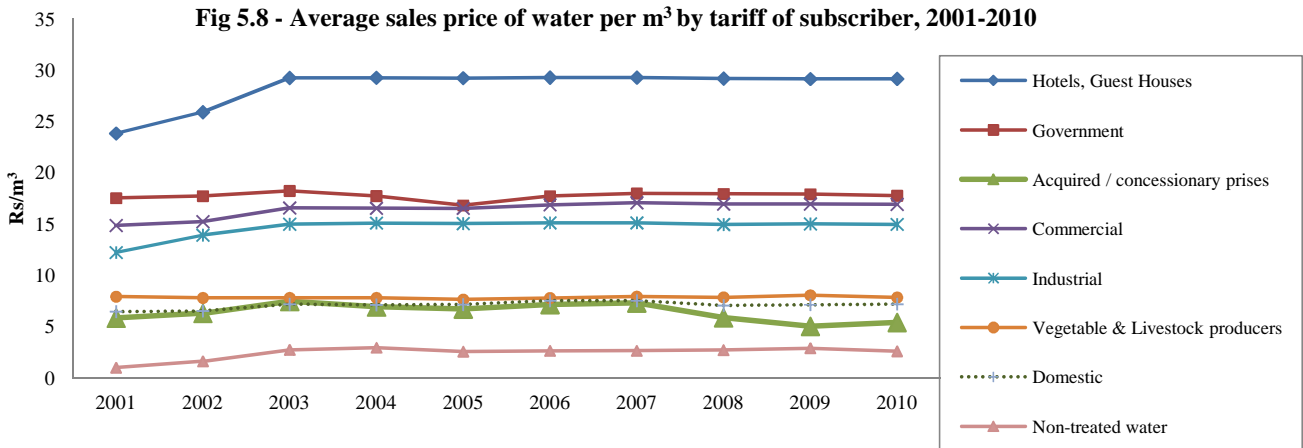
**Fig. 5.6 - Percentage of amount collectible by tariff of subscriber, 2010**



**Fig 5.7 - Average water consumption by tariff of subscriber (m<sup>3</sup>), 2001-2010**



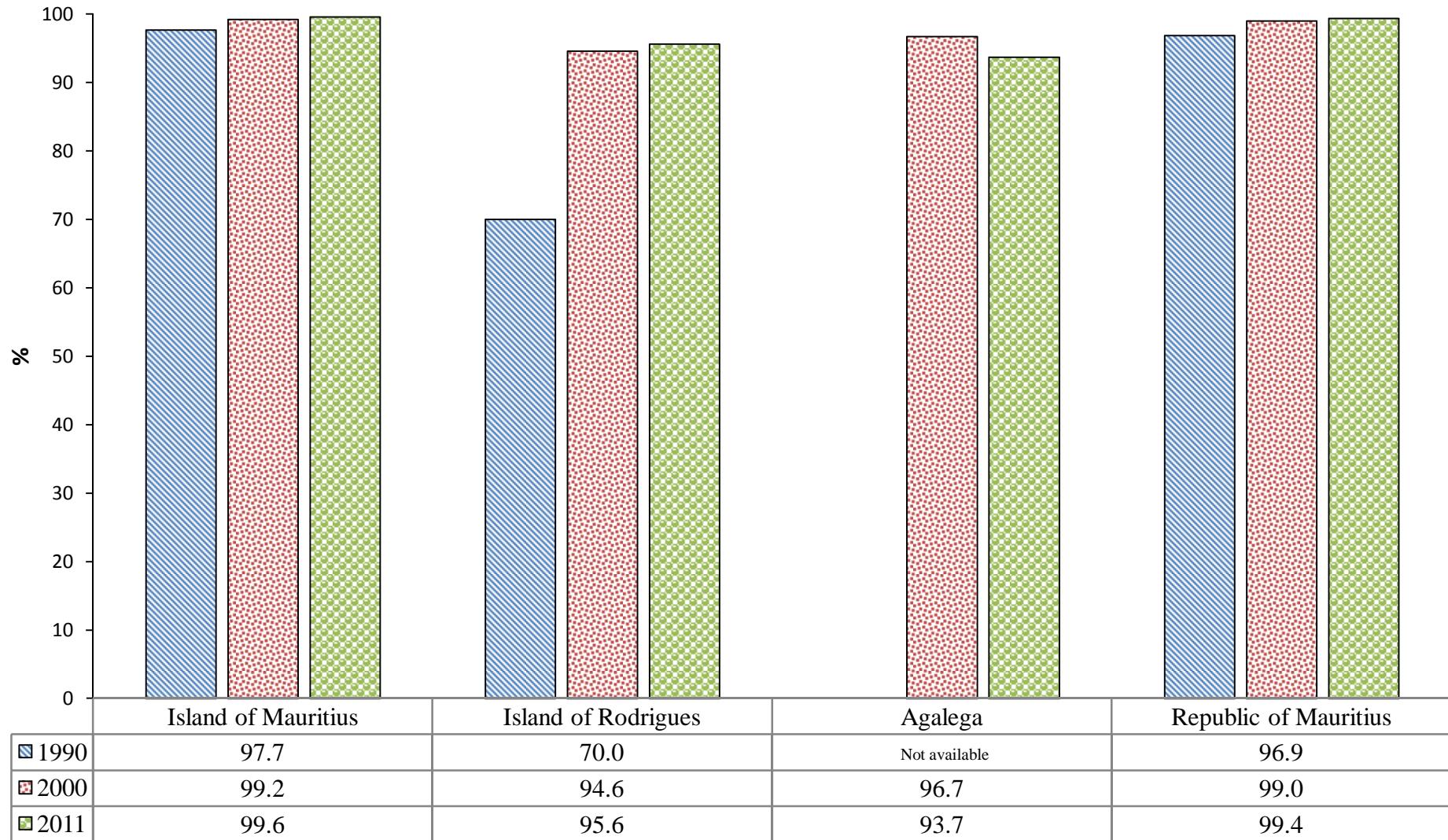
**Fig 5.8 - Average sales price of water per m<sup>3</sup> by tariff of subscriber, 2001-2010**



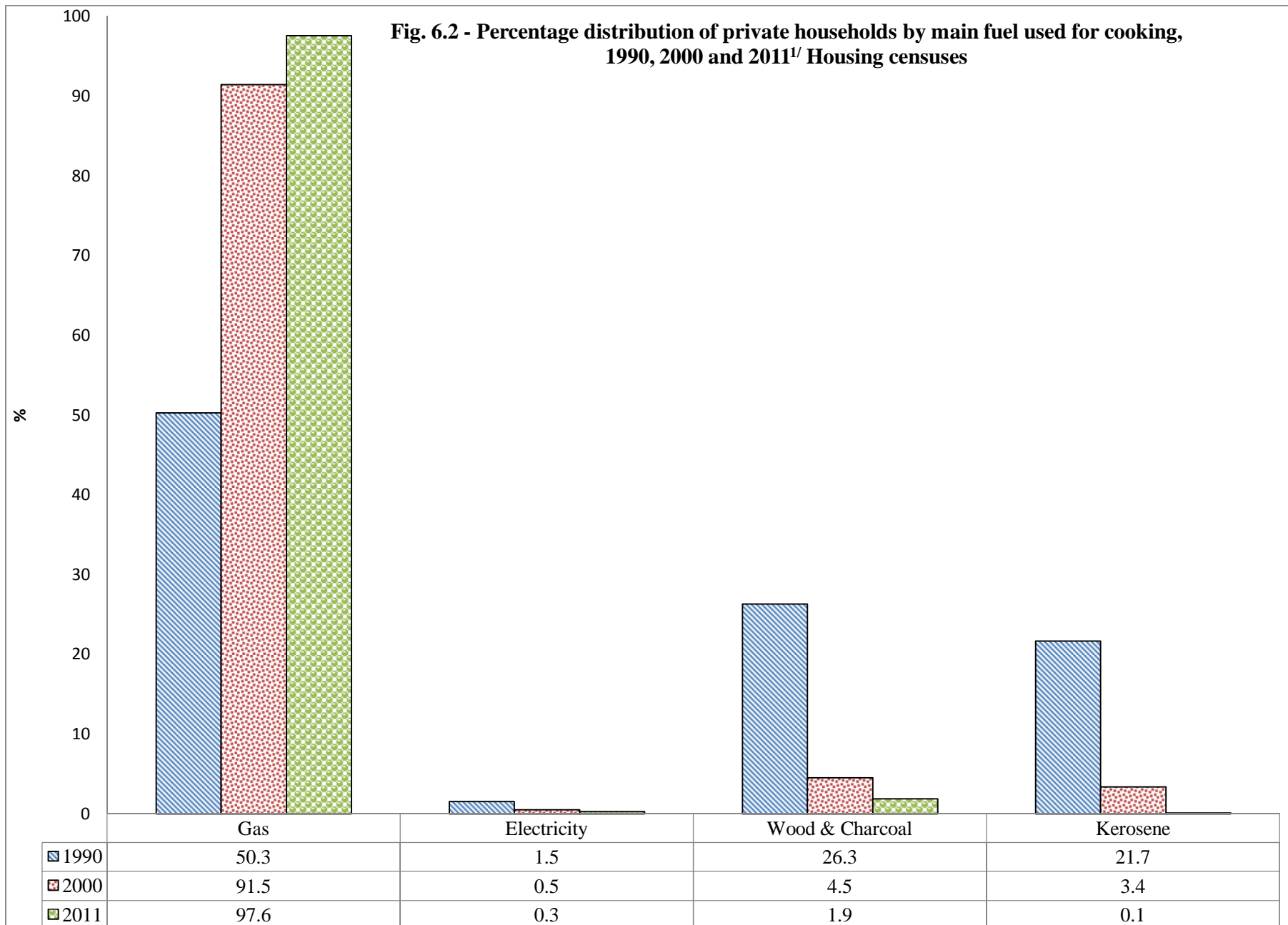
## Section VI

Energy and Water data from  
Censuses & Surveys

**Fig. 6.1- Percentage of private households with electricity,  
1990, 2000 and 2011<sup>1/</sup> Housing censuses**



<sup>1/</sup> preliminary figures



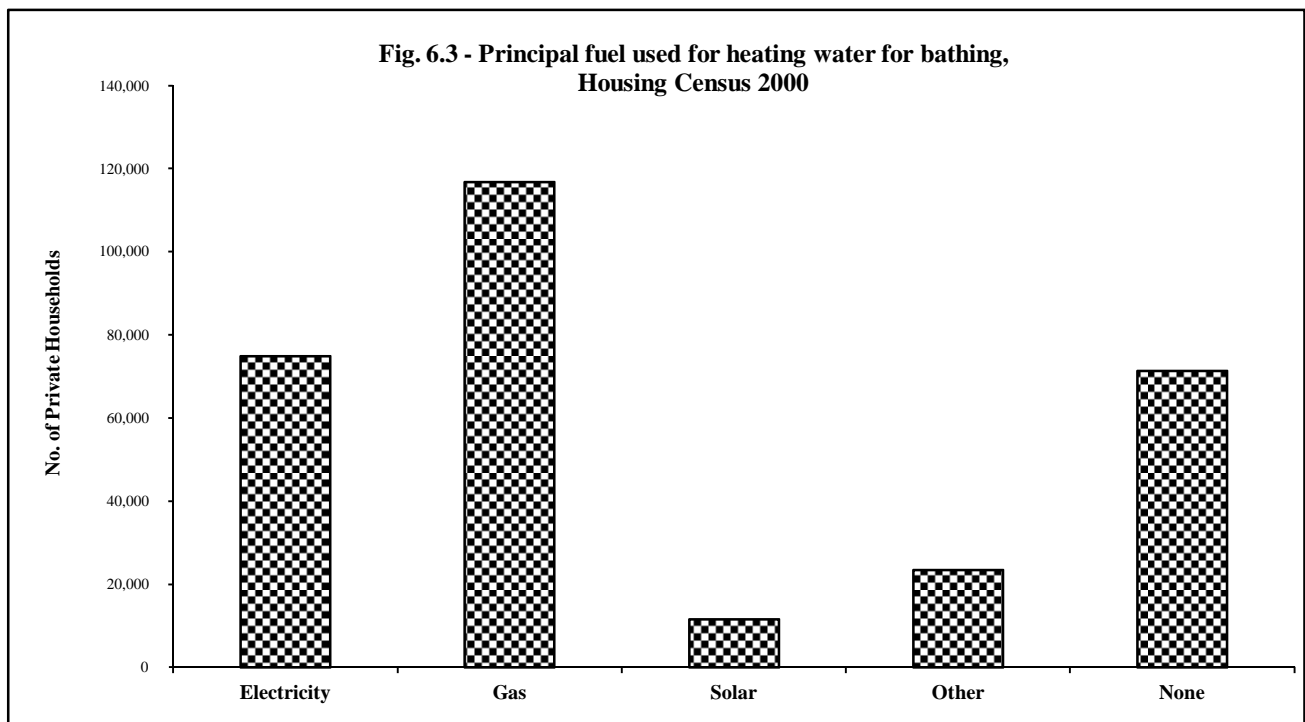
1/ preliminary figures

**Table 6.1 - Private households by geographical location of residence and principal fuel used for heating water for bathing<sup>1</sup> - Housing Census 2000**

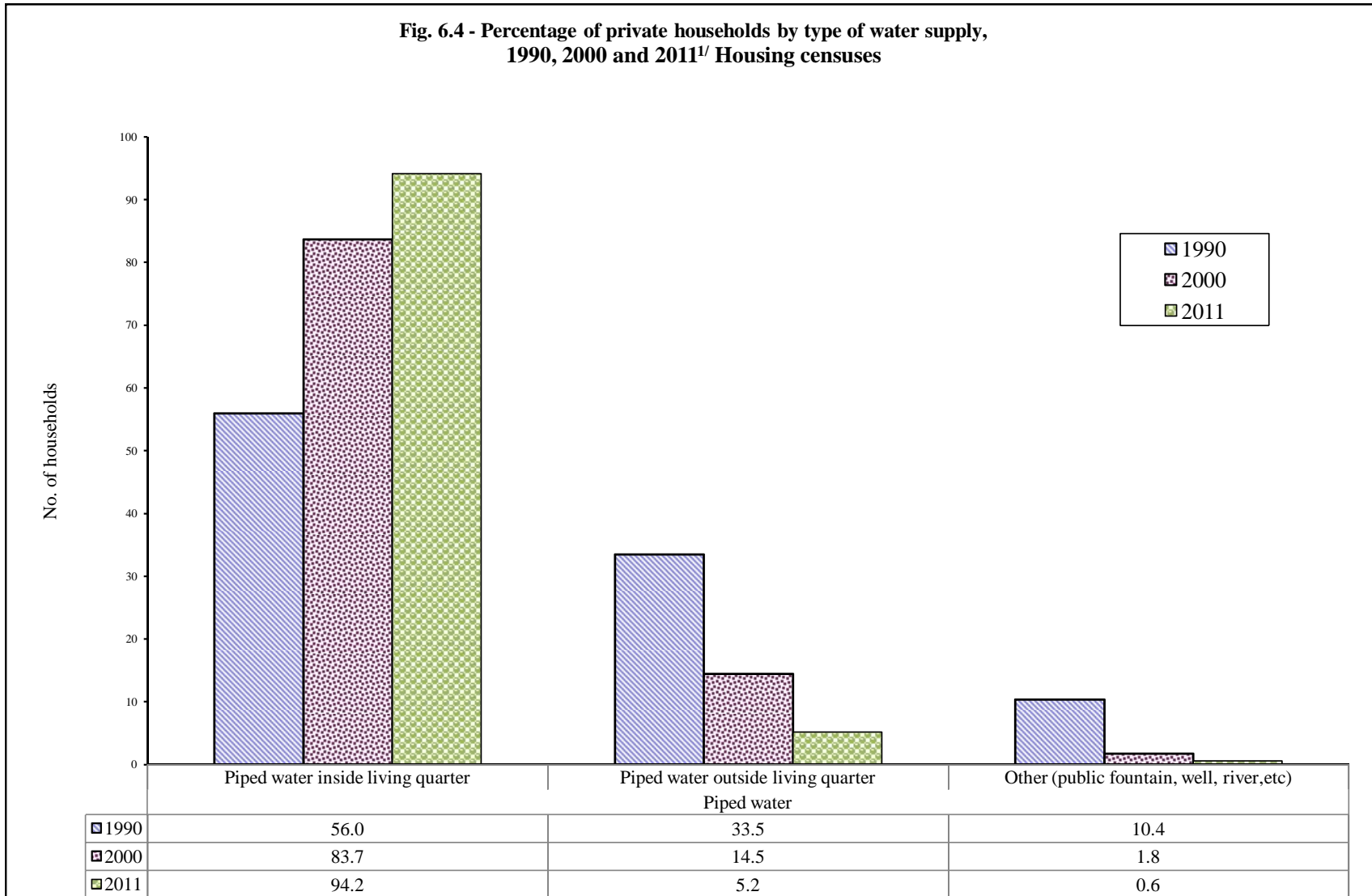
Geographical location	Principal fuel used for heating water for bathing					Total
	Electricity	Gas	Solar	Other	None <sup>2</sup>	
Island of Mauritius						
Port Louis	8,690	7,921	826	525	14,791	32,753
Pamplemousses	4,143	6,820	1,727	1,375	15,821	29,886
Riviere du Rempart	2,642	9,707	1,351	2,959	7,783	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>289,170</b>
	(25.7 %)	(40.2 %)	(4.0 %)	(8.0 %)	(22.1 %)	(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>297,881</b>
	(25.1 %)	(39.2 %)	(3.9 %)	(7.9 %)	(23.9 %)	(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



**Fig. 6.4 - Percentage of private households by type of water supply, 1990, 2000 and 2011<sup>1/</sup> Housing censuses**

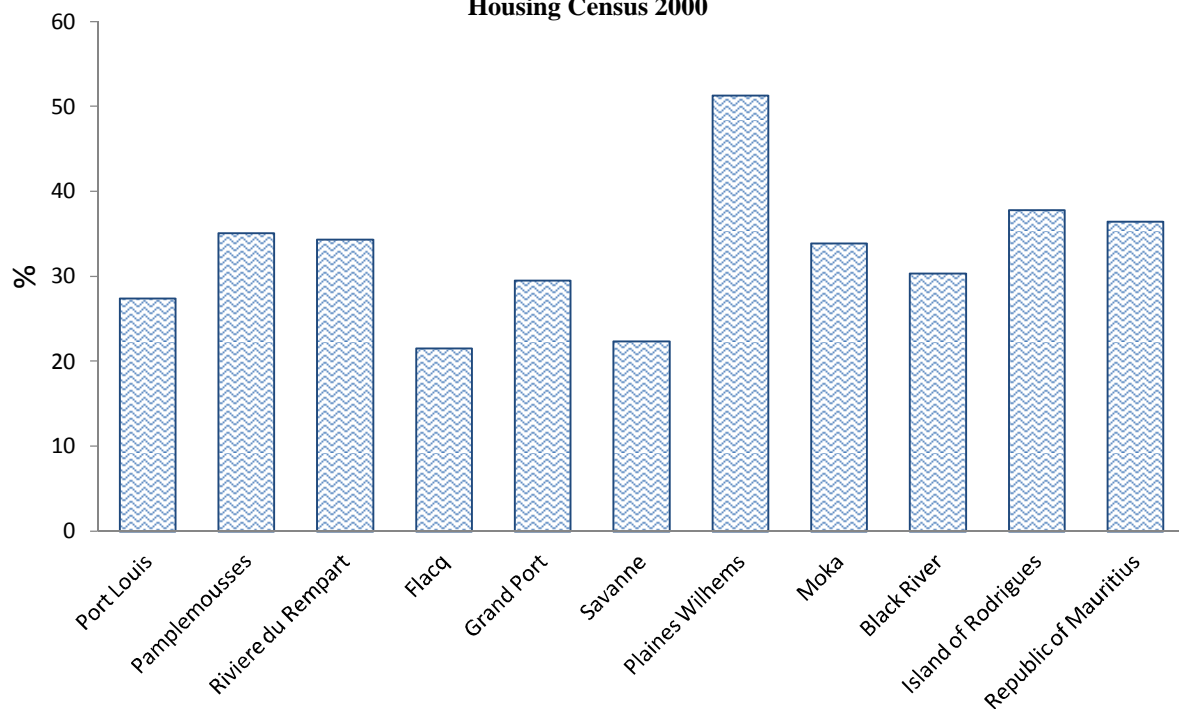


1/ preliminary figures

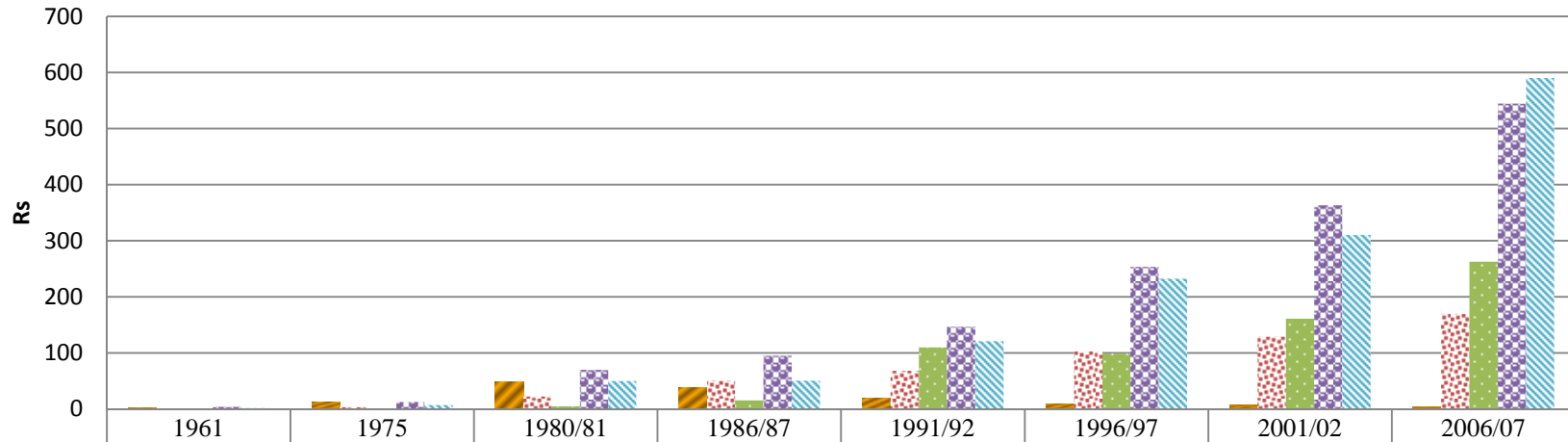
**Table 6.2 - Private households by geographical location of residence and availability of water tank and connection to sewerage system - Housing Census 2000**

Geographical location	Availability of domestic water tank/reservoir				Connection to Sewerage system	
	Available	Not Available	Not stated	Total	Connected	Not connected
<b>Island of Mauritius</b>						
Port Louis	8,990	23,758	5	32,753	25,042	7,711
Pamplemousses	10,492	19,392	2	29,886	636	29,250
Riviere du Rempart	8,401	16,031	10	24,442	57	24,385
Flacq	6,617	24,081	15	30,713	111	30,602
Grand Port	7,870	18,799	7	26,676	49	26,627
Savanne	3,757	13,059	2	16,818	28	16,790
Plaines Wilhems	48,088	45,647	27	93,762	28,535	65,227
Moka	6,289	12,248	4	18,541	1,402	17,139
Black River	4,730	10,842	7	15,579	2,592	12,987
<b>Total</b>	<b>105,234</b>	<b>183,857</b>	<b>79</b>	<b>289,170</b>	<b>58,452</b>	<b>230,718</b>
	<i>(36.4%)</i>	<i>(63.6%)</i>	<i>(0.0%)</i>	<i>(100.0%)</i>	<i>(20.2%)</i>	<i>(79.8%)</i>
Island of Rodrigues	3,273	5,372	6	8,651	26	8,625
Agalega	40	20	-	60	-	60
<b>Republic of Mauritius</b>	<b>108,547</b>	<b>189,249</b>	<b>85</b>	<b>297,881</b>	<b>58,478</b>	<b>239,403</b>
	<i>(36.4%)</i>	<i>(63.5%)</i>	<i>(0.0%)</i>	<i>(100.0%)</i>	<i>(19.6%)</i>	<i>(80.4%)</i>

**Fig. 6.5 - Percentage of private households with a water tank, Housing Census 2000**

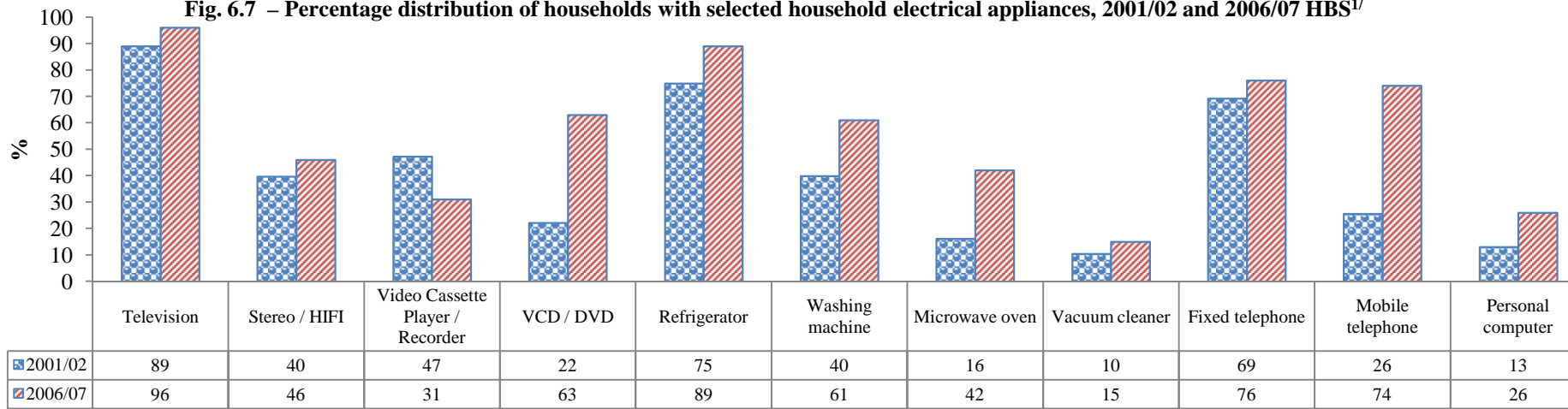


**Fig. 6.6 :- Evolution of average monthly household expenditure on specific commodity, HBS<sup>1</sup> 1961 - 2006/2007**



	1961	1975	1980/81	1986/87	1991/92	1996/97	2001/02	2006/07
■ Kerosene	1.60	12.09	48.25	38.82	19.88	10.22	6.99	4.39
▨ Water charges	0.95	2.90	22.10	50.25	67.82	102.88	129.22	169.59
■ Cooking gas	0.00	0.00	4.82	15.04	109.59	98.60	160.92	262.79
▨ Electricity charges	3.40	12.41	69.42	94.84	146.77	253.40	362.98	544.55
▨ Gasoline	1.63	7.17	49.64	50.65	120.80	232.51	310.67	590.25

**Fig. 6.7 – Percentage distribution of households with selected household electrical appliances, 2001/02 and 2006/07 HBS<sup>1/</sup>**



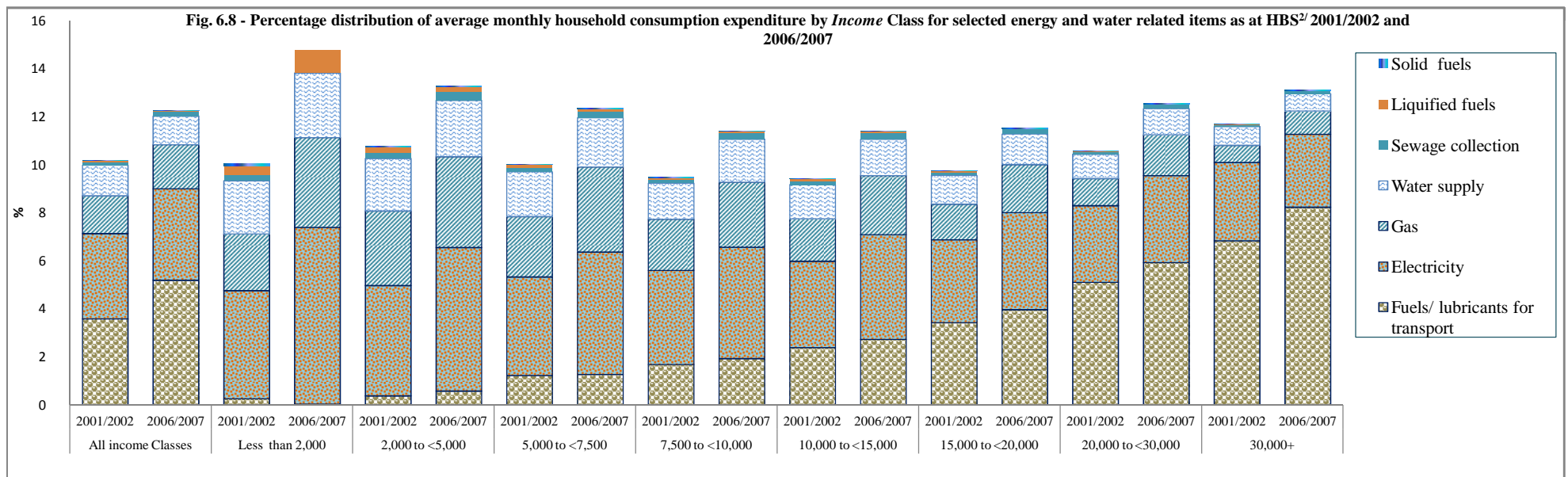
	Television	Stereo / HIFI	Video Cassette Player / Recorder	VCD / DVD	Refrigerator	Washing machine	Microwave oven	Vacuum cleaner	Fixed telephone	Mobile telephone	Personal computer
■ 2001/02	89	40	47	22	75	40	16	10	69	26	13
▨ 2006/07	96	46	31	63	89	61	42	15	76	74	26

1/ Household Budget Survey



**Table 6.3 - Distribution of average monthly household consumption expenditure by *Income Class* for selected energy and water related items as at HBS<sup>1/</sup> 2001/2002 and 2006/2007**

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+	
	2001/2002	2006/2007	2001/2002	2006/2007	2001/2002	2006/2007	2001/2002	2006/2007	2001/2002	2006/2007	2001/2002	2006/2007	2001/2002	2006/2007	2001/2002	2006/2007	2001/2002	2006/2007
	<i>Rupees</i>																	
Water supply	129.95	169.59	64.09	107.23	81.92	101.29	106.69	126.38	110.37	149.61	134.80	159.13	149.56	174.00	163.74	197.71	188.56	219.96
Sewage collection	12.10	28.55	7.05	0.00	9.05	15.34	9.14	16.55	9.12	22.05	12.60	29.39	15.48	28.28	15.69	32.90	16.28	40.75
Electricity	363.64	544.55	130.66	293.69	172.30	258.19	234.55	315.06	289.04	386.74	342.06	461.23	430.41	552.20	515.08	655.79	789.22	931.41
Gas	160.92	262.79	68.43	149.11	116.49	163.14	143.71	219.07	157.67	225.94	168.07	260.57	185.22	274.47	181.84	307.71	174.59	299.28
Liquified fuels	8.17	5.11	10.81	37.83	8.97	8.66	8.31	7.04	6.92	5.75	11.20	6.54	6.15	3.92	4.46	3.62	8.95	2.25
Solid fuels	1.01	1.76	2.55	0.00	0.94	1.78	0.69	1.83	1.56	0.95	0.66	0.68	1.12	2.77	0.57	1.46	1.84	3.40
Fuels and lubricants for personal transport equipment	366.47	743.80	7.52	1.36	14.33	25.17	70.52	78.86	124.23	161.51	227.55	288.66	427.97	544.02	823.76	1,075.17	1,657.98	2,529.55
Other class 4	331.62	483.92	78.54	78.94	108.99	164.19	152.91	231.89	200.45	315.91	291.88	360.75	398.03	450.62	612.86	665.36	884.62	929.91
<b>All purposes</b>	<b>10,220.25</b>	<b>14,300.26</b>	<b>2,898.23</b>	<b>3,987.70</b>	<b>3,749.48</b>	<b>4,317.14</b>	<b>5,717.74</b>	<b>6,181.31</b>	<b>7,374.49</b>	<b>8,343.76</b>	<b>9,503.82</b>	<b>10,570.38</b>	<b>12,468.58</b>	<b>13,683.83</b>	<b>16,121.20</b>	<b>18,114.97</b>	<b>24,231.00</b>	<b>30,690.76</b>
	<i>Percentage of total consumption for all households</i>																	
Water supply	1.27	1.19	2.21	2.69	2.18	2.35	1.87	2.04	1.50	1.79	1.42	1.51	1.20	1.27	1.02	1.09	0.78	0.72
Sewage collection	0.12	0.20	0.24	0.00	0.24	0.36	0.16	0.27	0.12	0.26	0.13	0.28	0.12	0.21	0.10	0.18	0.07	0.13
Electricity	3.56	3.81	4.51	7.36	4.60	5.98	4.10	5.10	3.92	4.64	3.60	4.36	3.45	4.04	3.20	3.62	3.26	3.03
Gas	1.57	1.84	2.36	3.74	3.11	3.78	2.51	3.54	2.14	2.71	1.77	2.47	1.49	2.01	1.13	1.70	0.72	0.98
Liquified fuels	0.08	0.04	0.37	0.95	0.24	0.20	0.15	0.11	0.09	0.07	0.12	0.06	0.05	0.03	0.03	0.02	0.04	0.01
Solid fuels	0.01	0.01	0.09	0.00	0.03	0.04	0.01	0.03	0.02	0.01	0.01	0.01	0.01	0.02	0.00	0.01	0.01	0.01
Fuels and lubricants for personal transport equipment	3.59	5.20	0.26	0.03	0.38	0.58	1.23	1.28	1.68	1.94	2.39	2.73	3.43	3.98	5.11	5.94	6.84	8.24

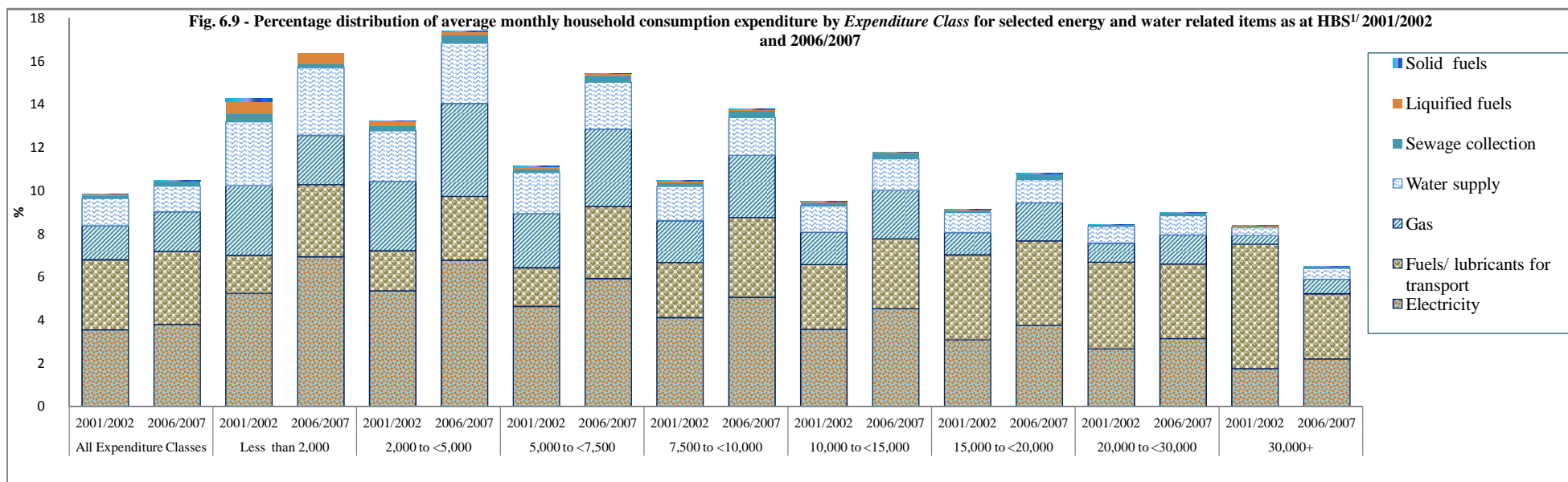


1/ Household Budget Survey

**Table 6.4 - Distribution of average monthly household consumption expenditure by Expenditure Class for selected energy and water related items as at HBS<sup>1/</sup> 2001/2002 and 2006/2007**

Classification of individual consumption according to purpose (COICOP)	Expenditure 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+	
	2001/2002	2006/2007	2001/2002	2006/2007	2001/2002	2006/2007	2001/2002	2006/2007	2001/2002	2006/2007	2001/2002	2006/2007	2001/2002	2006/2007	2001/2002	2006/2007	2001/2002	2006/2007
	<i>Rupees</i>																	
Water supply	129.95	169.59	43.13	46.46	89.42	104.50	119.73	136.39	138.48	153.31	147.06	179.98	157.56	184.28	186.27	215.71	181.91	239.71
Sewage collection	12.10	28.55	5.55	2.35	8.81	14.16	9.62	17.68	13.76	25.97	14.77	29.28	13.86	44.54	16.93	34.48	14.45	38.64
Electricity	363.64	544.55	76.37	102.40	204.85	253.30	290.61	372.12	357.38	441.58	433.26	553.49	527.10	645.30	633.43	756.49	843.49	1,037.83
Gas	160.92	262.79	47.10	33.69	122.84	161.15	156.74	225.19	167.93	251.19	182.16	274.02	177.03	302.54	207.50	323.18	194.31	315.63
Liquified fuels	8.17	5.11	8.25	7.51	8.41	5.41	7.74	6.72	7.41	6.13	7.60	5.90	8.59	4.41	5.28	2.27	26.50	1.34
Solid fuels	1.01	1.76	1.96	0.00	0.87	1.15	0.54	0.54	1.04	2.49	0.12	1.23	0.54	1.78	1.34	3.35	13.79	2.83
Fuels and lubricants for personal transport equipment	331.62	483.93	25.59	49.57	70.64	110.55	112.04	209.78	221.88	323.08	364.30	396.02	670.77	672.39	954.01	830.20	2,769.47	1,422.47
<b>All purposes</b>	<b>10,220.25</b>	<b>14,300.00</b>	<b>1,455.36</b>	<b>1,476.86</b>	<b>3,814.47</b>	<b>3,736.48</b>	<b>6,257.59</b>	<b>6,273.61</b>	<b>8,674.66</b>	<b>8,722.10</b>	<b>12,113.28</b>	<b>12,212.13</b>	<b>17,043.59</b>	<b>17,155.89</b>	<b>23,722.75</b>	<b>24,015.43</b>	<b>48,006.26</b>	<b>47,041.71</b>
	<i>Percentage of total consumption for all households</i>																	
Water supply	1.27	1.19	2.96	3.15	2.34	2.80	1.91	2.17	1.60	1.76	1.21	1.47	0.92	1.07	0.79	0.90	0.38	0.51
Sewage collection	0.12	0.20	0.38	0.16	0.23	0.38	0.15	0.28	0.16	0.30	0.12	0.24	0.08	0.26	0.07	0.14	0.03	0.08
Electricity	3.56	3.81	5.25	6.93	5.37	6.78	4.64	5.93	4.12	5.06	3.58	4.53	3.09	3.76	2.67	3.15	1.76	2.21
Gas	1.57	1.84	3.24	2.28	3.22	4.31	2.50	3.59	1.94	2.88	1.50	2.24	1.04	1.76	0.87	1.35	0.40	0.67
Liquified fuels	0.08	0.04	0.57	0.51	0.22	0.14	0.12	0.11	0.09	0.07	0.06	0.05	0.05	0.03	0.02	0.01	0.06	0.00
Solid fuels	0.01	0.01	0.13	0.00	0.02	0.03	0.01	0.01	0.01	0.03	0.00	0.01	0.00	0.01	0.01	0.01	0.03	0.01
Fuels and lubricants for personal transport equipment	3.24	3.38	1.76	3.36	1.85	2.96	1.79	3.34	2.50	3.70	3.01	3.24	3.94	3.92	4.02	3.46	5.77	3.02

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**Table 6.5 - Average monthly household consumption expenditure for Transport and Housing division of COICOP<sup>1/</sup> by quintile<sup>2/</sup> group of household income at HBS 2001-2002 and 2006/2007**

Classification of individual consumption according to purpose (COICOP) Division	First Quintile		Second Quintile		Third quintile		Fourth quintile		Fifth quintile		All classes													
	2001/2002	2006/2007	2001/2002	2006/2007	2001/2002	2006/2007	2001/2002	2006/2007	2001/2002	2006/2007	2001/2002	2006/2007												
	Expend. %	Expend. %	Expend. %	Expend. %	Expend. %	Expend. %	Expend. %	Expend. %	Expend. %	Expend. %	Expend. %	Expend. %												
<b>Average monthly household consumption expenditure</b>																								
Housing, water, electricity, gas & other fuels	556	12.3	903	14.7	746	10.7	1209	12.7	877	9.8	1369	11.3	1168	10.0	1689	10.6	1691	8.9	2320	8.3	1007	9.9	1498	10.5
Transport	394	8.7	413	6.7	831	11.9	805	8.5	1072	12.0	1206	10.0	1569	13.4	2379	14.9	2952	15.5	6675	24.0	1363	13.3	2295	16.0
<b>All items</b>	<b>4508</b>	<b>100</b>	<b>6141</b>	<b>100</b>	<b>6957</b>	<b>100</b>	<b>9497</b>	<b>100</b>	<b>8935</b>	<b>100</b>	<b>12063</b>	<b>100</b>	<b>11719</b>	<b>100</b>	<b>15983</b>	<b>100</b>	<b>18991</b>	<b>100</b>	<b>27830</b>	<b>100</b>	<b>10220</b>	<b>100</b>	<b>14300</b>	<b>100</b>
<b>Per capita monthly household consumption expenditure</b>																								
Housing, water, electricity, gas & other fuels	196	12.3	450	15.7	203	10.7	403	13.0	216	9.8	417	11.4	269	10.0	494	10.8	375	8.9	660	8.6	259	9.8	485	11.1
Transport	139	8.7	179	6.2	226	12.0	279	9.0	264	12.0	372	10.2	361	13.4	721	15.8	655	15.6	1917	25.0	351	13.3	693	15.9
<b>All items</b>	<b>1590</b>	<b>100</b>	<b>2865</b>	<b>100</b>	<b>1891</b>	<b>100</b>	<b>3089</b>	<b>100</b>	<b>2202</b>	<b>100</b>	<b>3658</b>	<b>100</b>	<b>2698</b>	<b>100</b>	<b>4575</b>	<b>100</b>	<b>4211</b>	<b>100</b>	<b>7658</b>	<b>100</b>	<b>2631</b>	<b>100</b>	<b>4369</b>	<b>100</b>

Fig. 6.10 - Percentage of monthly household consumption expenditure for Transport and Housing division of COICOP<sup>1/</sup> by quintile group of household income HBS 2001/2002 and 2006/2007

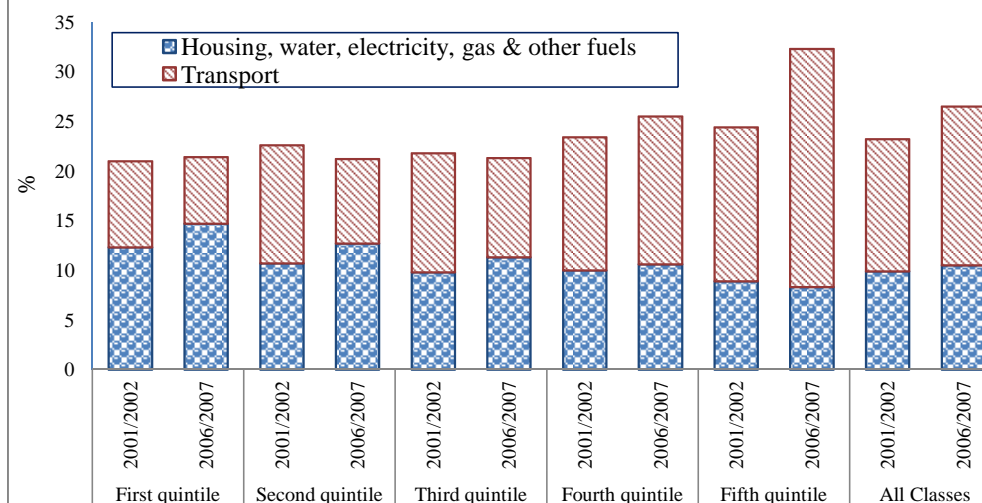
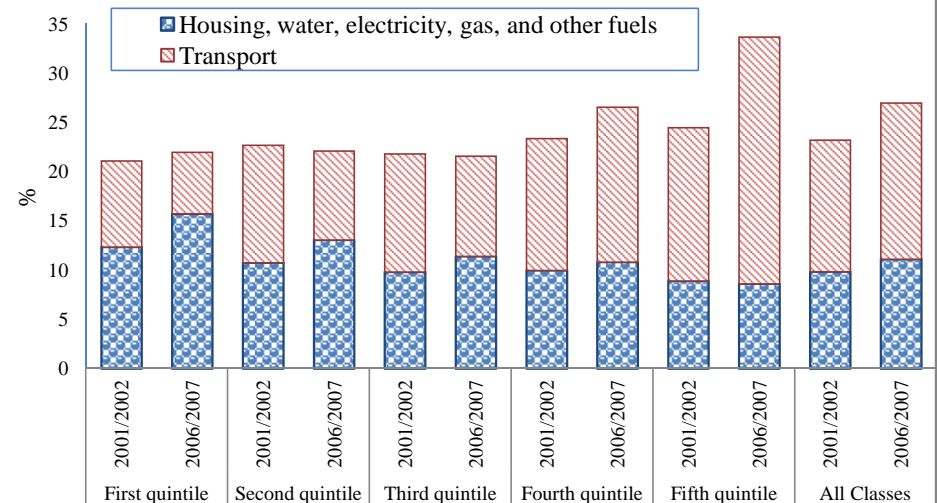


Fig. 6.11 - Percentage of per capita monthly household consumption expenditure for Transport and Housing division of COICOP<sup>1/</sup> by quintile group of household income HBS 2001/2002 and 2006/2007



1/ Classification of individual consumption according to purpose

2/ Each quintile represents 20% of the population

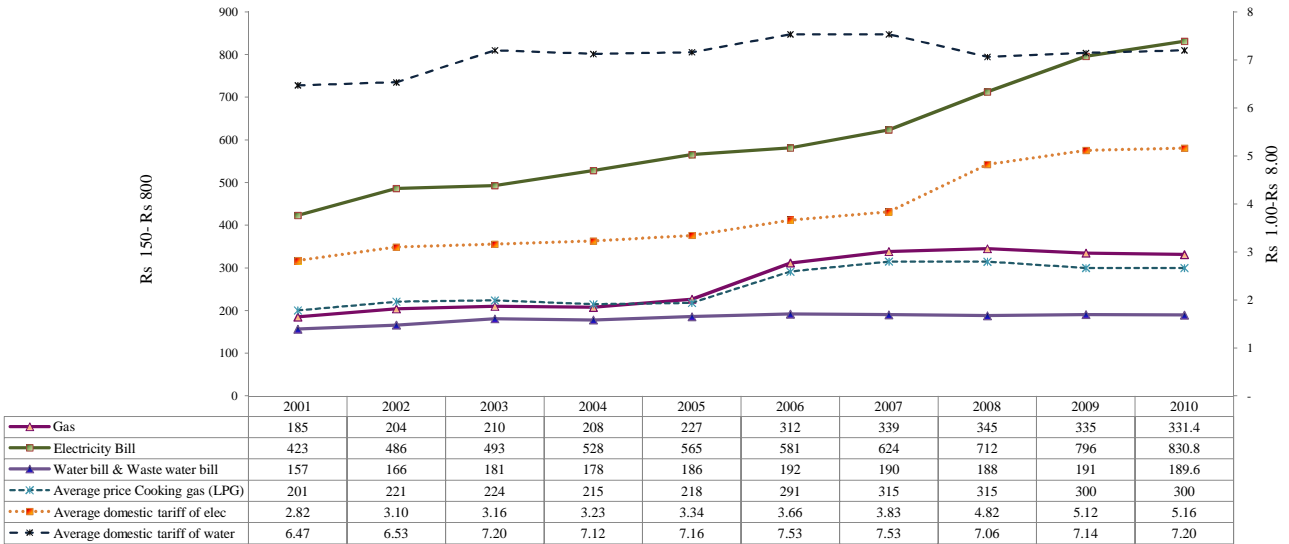
Table 6.6 - Household expenditure for selected energy and water related items by district, CMPHS<sup>1/</sup> 2001-2010

	Rs										
	All districts	Port Louis	Pamplemousses	Riviere du Rempart	Flacq	Grand Port	Savanne	Plaines Wilhems	Moka	Black River	Rodrigues
<b>2001</b>											
Average total expenditure	8,598	7,862	8,222	8,111	7,307	7,019	7,546	10,580	8,334	8,874	6,240
Gas	185	175	195	181	192	185	206	185	193	174	147
Water bill	143	158	143	151	144	139	152	144	149	169	7
Waste Water bill	14	53	5	2	0	0	3	22	4	6	1
Electricity Bill	423	440	402	379	323	373	355	513	402	466	288
<b>2002</b>											
Average total expenditure	9,127	8,427	8,904	7,979	7,438	8,322	7,674	10,971	9,125	9,801	7,600
Gas	204	183	209	217	210	215	222	201	209	191	196
Water bill	145	163	145	151	145	155	157	143	150	162	8
Waste Water bill	21	91	5	1	1	1	-	30	2	18	3
Electricity bill	486	509	449	413	398	441	393	585	460	543	344
<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

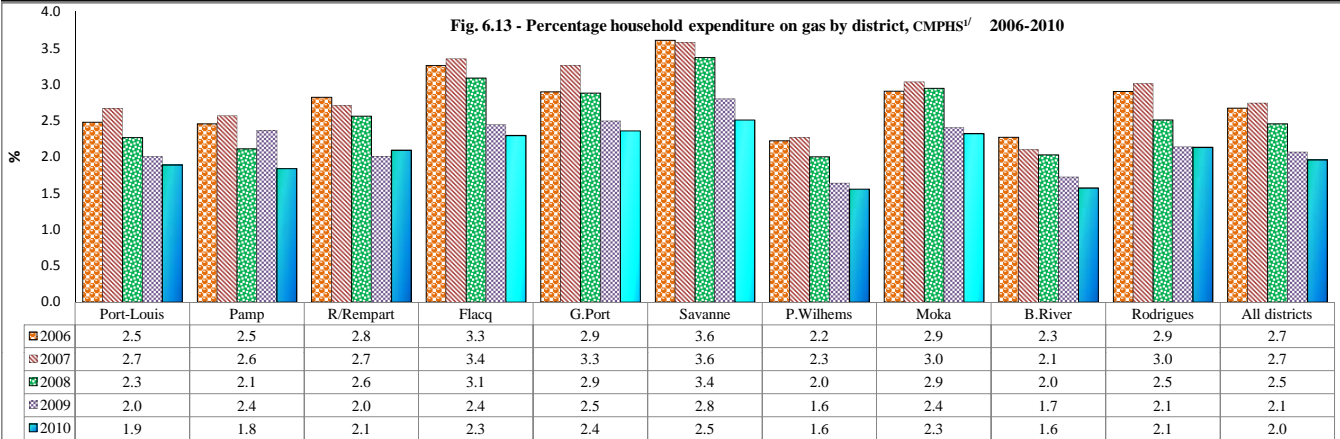
1/ Continuous Multipurpose Household Survey

2/ Separate figures for Waste Water bill are not available for 2009 and 2010

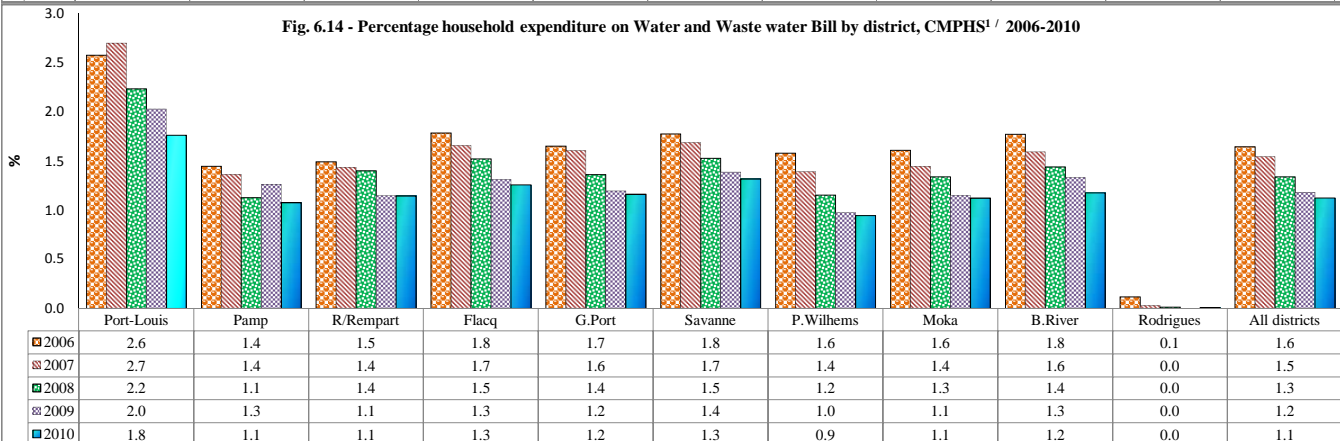
**Fig. 6.12 - Average household expenditure as at CMPHS<sup>1/</sup> and average actual price of LPG, electricity and water , 2001-2010**



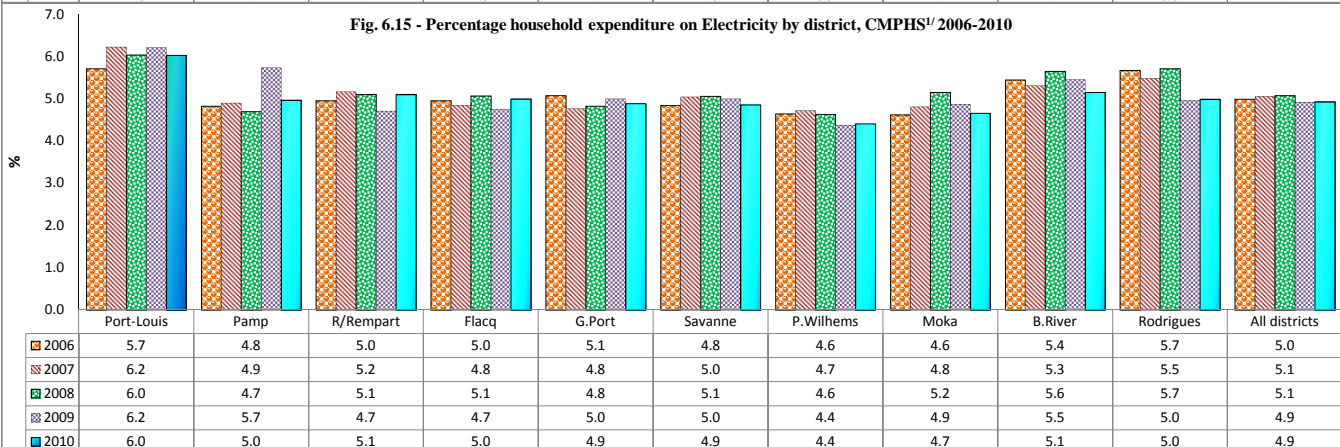
**Fig. 6.13 - Percentage household expenditure on gas by district, CMPHS<sup>1/</sup> 2006-2010**



**Fig. 6.14 - Percentage household expenditure on Water and Waste water Bill by district, CMPHS<sup>1/</sup> 2006-2010**



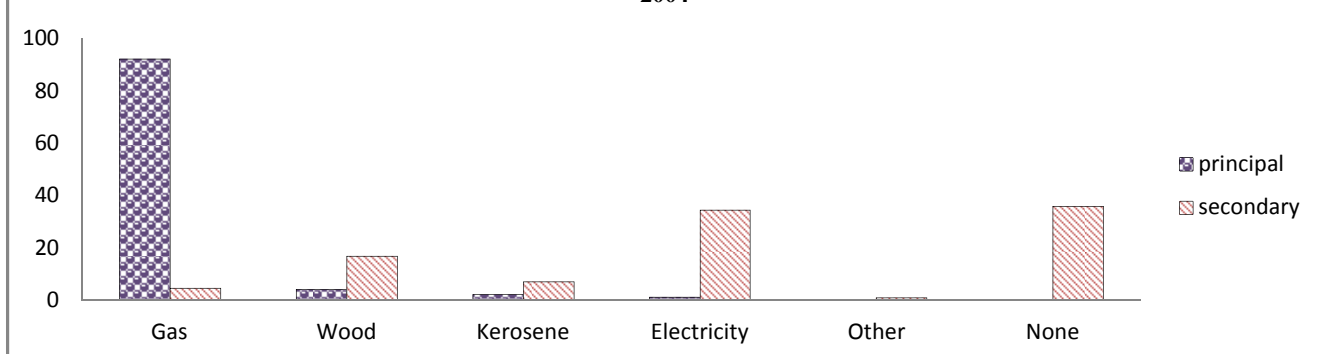
**Fig. 6.15 - Percentage household expenditure on Electricity by district, CMPHS<sup>1/</sup> 2006-2010**



1/ Continuous Multipurpose Household Survey

**Table 6.7 - Percentage of households by principal and secondary fuel used for cooking - CMPHS<sup>1/</sup> 2004**

Fuel used	% of households reporting					
	as principal fuel used					as secondary fuel used
	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. 6.16 - Percentage of households by principal and secondary fuel used for cooking, CMPHS<sup>1/</sup> 2004****Table 6.8 - 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 6.9 - 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

**Table 6.10 - Findings from 'Energy Use' module of CMPHS<sup>1/</sup> 2009**

Percentage of households:	%
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