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DIGEST OF ENERGY AND WATER STATISTICS - 2005

FOREWORD

This is the eighth publication of the Central Statistics Office on energy and water statistics. It presents detailed data on energy for the years 1996 to 2005, while those on water cover the period 2001 to 2005. All data refer to the Republic of Mauritius, unless otherwise specified. These 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 Ministry of Public Utilities, 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 the Central Statistics Office, is available on our website ***http://statsmauritius.gov.mu***.

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Symbols & abbreviations

	Nil
...	Not available
000	Thousand
m^3	Cubic metres
max	Maximum
min	Minimum
mm	Millimetres
Mm^3	Million cubic metres
mn	Million
toe	Tonne of oil equivalent
ktoe	Thousand tonnes of oil equivalent
c.i.f	Cost, insurance and freight
LPG	Liquefied Petroleum Gas
DPK	Dual Purpose Kerosene
MW	Megawatt (1,000 kW)
kWh	Kilowatt hour
GWh	Gigawatt hour (million kWh)
CEB	Central Electricity Board
IPP	Independent Power Producers
GDP	Gross Domestic Product
Rod.	Island of Rodrigues

Glossary

Energy sector

Bagasse — A cellulosic residue left after sugar is extracted from sugar cane. It is mostly used as a 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:

- *Installed capacity*: The nameplate capacity of the generator set.
- *Plant capacity*: 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.
-
- *Effective capacity*: It is the plant capacity less any amount of derated capacity from the install capacity.

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 180^0C and 380^0 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 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	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: **Agriculture:** Energy used for irrigation and by other agricultural equipments; **Commercial and distributive trade:** Energy consumed by the business and commercial sector; **Household**: Consumption of energy by households; **Manufacturing:** Consumption in industry and construction; and **Transport:** Includes consumption by land vehicles, ships and local aircrafts.
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 essentially as fuel in power stations.
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 0.0036 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 (exlc. Jet fuel type)	A medium oil distilling between 150^0C and 300^0 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 10^6 joules
Liquefied petroleum Gas (LPG)	Gas usually propane or butane, derived from oil and put under pressure so that it is in liquid form. Often used to power cooking stoves or heaters and to fuel some types of vehicle.
Losses (Distribution loss)	Comprise losses in transmission and distribution of electric energy and losses in transformers, which are *not* 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.
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.
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.
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.

Water

Water Balance	The water balance is based on long term records of annual average rainfall and indicates how freshwater resources are distributed.
Evapotranspiration	Combined loss of water by evaporation from the soil or surface.
Surface runoff	The flow of surface water, from rainfall, which flows directly to streams, rivers, lakes and the sea.
Groundwater recharge	Process by which water is added from outside to fresh water found beneath the earth surface.

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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*).

Energy source	Tonne	toe
Gasolene	1	1.08
Diesel Oil	1	1.01
Dual Purpose Kerosene (DPK)	1	1.04
Fuel oil	1	0.96
Liquefied Petroleum Gas (LPG)	1	1.08
Coal	1	0.62
Bagasse	1	0.16
Fuelwood	1	0.38
Charcoal	1	0.74

	GWh	toe
Hydro/Wind	1	86
Electricity	1	86

* 1 toe = 41.84 gigajoule (net calorific value)

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ENERGY AND WATER STATISTICS, 2005 – An overview

Introduction

This issue of the Digest of Energy and Water Statistics, 2005 contains energy statistics covering the years 1996 to 2005, and water statistics for the years 2001 to 2005. These statistics have been compiled in close collaboration with the Ministry of Public Utilities, Central Electricity Board, Central Water Authority, the petroleum companies, the Independent Power Producers and the Meteorological Services. All data refer to the Republic of Mauritius, unless stated otherwise.

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

2. Energy

2.1 The energy balance

The energy balance (Tables 1.1 & 1.2) shows the supply and final uses of electricity and the different types of fuel. Total primary energy requirement is obtained as the sum of the 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 categorised into five sectors, namely manufacturing, transport, commercial and distributive trade, residential and agriculture.

In order to compare the energy content of the different fuels, a common accounting unit, namely the 'tonne of oil equivalent' (toe) is used. The conversion factors used, are given on page 12.

2.2 Main energy indicators

The total primary energy requirement index, expressed with 1990 as reference year (1990 = 100), increased by 5.2 points or 3.0% from 171.8 in 2004 to 177.0 in 2005. During the same period per capita primary energy requirement increased by 2% from 1.02 toe to 1.04 toe (Table 1.3).

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. A higher ratio indicates a less efficient use of energy. As shown in Table 1.3, energy intensity, which stood at 1.59 in 2004 rose to 1.62 in 2005.

The annual consumption of electricity per capita went up by 3.4% from 1,382 kWh in 2004 to 1,429 kWh in 2005 (Table 1.3).

2.3 Total primary energy requirement

The total primary energy requirement of the country in the year 2005 amounted to some 1,293 ktoe, of which 1,030 ktoe (79.7%) were met from imported fuels while the remaining 263 ktoe (20.3%) were from indigenous sources. Imports consisted of 805 ktoe of petroleum products and 226 ktoe of coal while the indigenous production was mainly derived from bagasse (93.3%), hydro electricity (3.8%) and fuelwood (2.9%) (Table 2.1).

2.3.1 Local production

Total energy production from local sources decreased by 4.8% from 276 ktoe in 2004 to 263 ktoe in 2005. Production of hydroelectricity went down from 10.6 ktoe to 9.9 ktoe while that of bagasse decreased from 258 ktoe to 245 ktoe.

2.3.2 Imports of energy sources

Imports of energy sources are shown in Table 2.2. Some 1,304 ktoe of petroleum products and coal were imported in 2005 compared to 1,226 ktoe in 2004, representing an increase of 6.4%. Imports of petroleum products increased from 1,020 ktoe to 1,069 ktoe (+4.8%) and coal from 206 ktoe to 235 ktoe (+14.1%). Due to the rise in the prices of petroleum products (40% - 52%) and coal (29%) during the year 2005, the import bill was 54% higher in that year, i.e Rs 14,922 million against Rs 9,685 million in 2004. The price per tonne of fuel oil rose from Rs 5,615 to Rs 8,315, while that of the other petroleum products shifted from the range of Rs10,000-Rs12,000 to be in that of Rs14,000-Rs17,000.

2.3.3 Re-exports and bunkering

Of the 1,304 ktoe of imported energy sources, 290 ktoe (22.2%) were supplied to foreign vessels and aircraft in 2005. Re-exports consisted of 137 ktoe of diesel oil, 101 ktoe of aviation fuel and 53 ktoe of fuel oil (Table 2.6).

2.4 Electricity

2.4.1 Electricity generation

In 2005, some 2,272 GWh (195 ktoe) of electricity was generated, as compared to 2,165 GWh (186 ktoe) in 2004, representing an increase of 4.9%. The Central Electricity Board (CEB) generated 53.2% and Independent Power Producers, 46.8%. Thermal energy represented 94.9% and hydro and wind, the remaining 5.1%. The peak demand in 2005 reached 353.1 MW (Tables 3.1-3.6).

2.4.2 Fuel input for electricity generation

Table 3.7 shows the different types of fuel used for electricity generation. Fuel input increased from 572 ktoe in 2004 to 609 ktoe in 2005, representing an increase of 6.5%. The major components of the fuel input were coal (34.7%), fuel oil (34.2%) and bagasse, (27.7%)

2.4.3 Electricity sales

Electricity sales increased from 1,704 GWh in 2004 to 1,777 GWh in 2005, showing an increase of 4.2%. The average sales price of electricity increased from Rs 3.14 per kWh in 2004 to Rs 3.23 per kWh in 2005. (Table 4.7)

2.5 Final energy consumption

Final energy consumption increased by 1.0% from 838 ktoe in 2004 to 846 ktoe in 2005. "Transport" and "Manufacturing" were the two largest energy-consuming sectors accounting for 49.5% and 29.4% respectively. They were followed by "Households" (13.6%), "Commercial and Distributive Trade" (6.6%) and "Agriculture" (0.6%) (Table 4.2). The details on the different types and amount of fuel consumed by each sector are given in Tables 4.3 and 4.4.

2.5.1 Manufacturing

Energy used for manufacturing process decreased by 3.9% from 259 ktoe in 2004 to 249 ktoe in 2005. The consumption of coal and petroleum products, except LPG, went down. Even consumption of bagasse was reduced from 83 ktoe to 76 ktoe in 2005. However, the consumption of electricity went up slightly, from 66.1 ktoe to 66.9 ktoe.

2.5.2 Transport

In 2005, some 419 ktoe of energy were used for transportation, representing an increase of 2.4% over preceding year. Gasolene consumption increased from 98 ktoe to 100 ktoe (+2.0%) and that of diesel oil from 166 ktoe to 168 ktoe (+1.2%). Consumption of aviation fuel for local aircraft rose by 0.7%, from 142 ktoe to 143 ktoe. The use of LPG in the transport sector increased from 2.9 ktoe in 2004 to 7.3 ktoe in 2005, showing almost a threefold increase.

2.5.3 Households

Energy consumed by households increased by 3.6% to 116 ktoe in 2005. The two main sources of energy for households were electricity and LPG, representing 52.3% and 46.7% of total energy consumption by households. Electricity consumption increased by 5.7% whilst that of LPG by 0.9%.

2.5.4 Commercial and Distributive Trade

Total energy consumption by the "Commercial and Distributive Trade" sector went up by 8.1% in 2004 to reach 56 ktoe. Electricity was the main source of energy and its consumption increased from 44 ktoe to 48 ktoe in 2005 (+7.7%).

2.5.5 Agriculture

Consumption of energy in the agricultural sector went up from 4.4 ktoe in 2004 to 4.7 ktoe in 2005 (+6.8%), mainly as a result of an increase of 0.2 ktoe in electricity consumption for irrigation.

3 Water

3.1 Water balance

The estimated water balance for the Island of Mauritius is shown in Table 6.1. The water balance indicates how fresh water resources are distributed. In 2005, the Island of Mauritius registered 4,423 million cubic metres (Mm^3) of rainfall. Some 1,327 Mm^3 of water was lost through evapotranspiration, while surface run-off and ground water recharge were 2,654 Mm^3 and 442 Mm^3 respectively.

3.2 Rainfall

During the year 2005 the mean amount of rainfall recorded around the island of Mauritius was 2,372 millimetres, representing a 4.5% increase compared to 2,270 millimetres recorded in 2004. The mean rainfall was highest during the month of March with 727 mm and the driest month, November, registered only 48 mm of rainfall.(Table 6.3)

In Rodrigues, the mean rainfall registered was 1,275 millimetres at Pointe Canon and 1,126 millimetres at Plaine Corail (Table 6.4).

3.3 Water storage level

In 2005, the minimum and maximum percentage water storage level of the different reservoirs were as follows:

Mare aux Vacoas (50% and 100%)
La Nicoliere (37% and 100%)
Piton du Milieu (56% and 100%)
La Ferme (21% and 100%)
Mare Longue (0% and 100%)
Midlands Dam (59% and 100%)

During the same period, the mean water level for all the reservoirs combined together (excluding Midlands Dam) varied from 44% to 97% (Table 6.5). It is to be noted that the mean water level is computed as the average level during a month.

3.4 Water production

The total water production by the different water plants amounted to 195 million cubic metres (Mm^3) in 2005,and this represents a 5.4% increase compared to the 185 Mm^3 recorded in 2004. In 2005, average water production from surface and ground water represented 48.2% and 51.8% respectively (Table 6.6).

3.5 Water sales and revenue collectible

Total volume of water sold increased from 102.4 Mm^3 in 2004 to 107.8 Mm^3 in 2005 (+5.3%). In 2005, potable water made up 86.9% of the volume sold while the remaining 13.1% consisted of non-treated water. Water for domestic consumption amounted to 73.1 Mm^3, accounting for nearly 67.8% of the water sales.

Revenue collectible for the year 2005 amounted to Rs 934.5 million, that is an increase of 4.1% over the amount of Rs 897.5 million for year 2004 (Table 6.7).

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Section I

Energy balance
& Main indicators

Table 1.1 - Energy balance, 2005

Tonne of oil equivalent (toe)

Flow \ Source	Coal	Gasolene	Diesel	Aviation Fuel	Kerosene	Fuel Oil	LPG	Fuelwood	Charcoal	Hydro	Wind	Bagasse	Electricity	Total
Local production	-	-	-	-	-	-	-	7,592	-	9,880	38	245,110	-	**262,621**
Imports	235,143	93,700	333,221	228,878	29,015	316,718	67,730	-	-	-	-	-	-	**1,304,405**
Re-exports and bunkering	-	-	(136,792)	(100,745)	-	(52,558)	-	-	-	-	-	-	-	**(290,095)**
Stock change / Statistical error	(9,564)	6,387	17,801	14,929	(419)	(10,897)	(2,008)	-	-	-	-	-	-	**16,230**
Total Primary Energy Requirement	**225,579**	**100,087**	**214,230**	**143,062**	**28,596**	**253,263**	**65,722**	**7,592**	**-**	**9,880**	**38**	**245,110**	**-**	**1,293,160**
Public electricity generation plant	-	-	(2,148)	-	(18,441)	(208,371)	-	-	-	(9,880)	(38)	-	104,021	**(134,856)**
Autoproducer plants	(211,219)	-	-	-	-	-	-	-	-	-	-	(168,919)	91,384	**(288,753)**
Other transformation	-	-	-	-	-	-	-	(775)	377	-	-	-	-	**(398)**
Own use	-	-	-	-	-	-	-	-	-	-	-	-	(4,035)	**(4,035)**
Losses	-	-	-	-	-	-	-	-	-	-	-	-	(19,038)	**(19,038)**
Total Final Consumption	**14,360**	**100,087**	**212,082**	**143,062**	**10,156**	**44,892**	**65,722**	**6,817**	**377**	**-**	**-**	**76,192**	**172,332**	**846,080**
Manufacturing sector	14,360	-	41,538	-	-	44,892	4,216	532	-	-	-	76,192	66,856	**248,588**
Transport sector	-	100,087	168,175	143,062	-	-	7,264	-	-	-	-	-	-	**418,588**
Commercial and distributive trade sector	-	-	-	-	-	-	7,544	-	281	-	-	-	47,846	**55,671**
Residential sector	-	-	-	-	10,156	-	46,662	6,285	96	-	-	-	52,252	**115,452**
Agriculture	-	-	2,368	-	-	-	-	-	-	-	-	-	2,328	**4,697**
Other	-	-	-	-	-	-	36	-	-	-	-	-	3,049	**3,085**

Note: figures in brackets represent negative quantities

Table 1.2 - Energy balance[1], 2004

Tonne of oil equivalent (toe)

Flow \ Source	Coal	Gasolene	Diesel	Aviation Fuel	Kerosene	Fuel Oil	LPG	Fuelwood	Charcoal	Hydro	Wind	Bagasse	Electricity	Total
Local production	-	-	-	-	-	-	-	7,325	-	10,516	37	257,792	-	**275,670**
Imports	205,732	94,722	322,929	236,074	31,041	277,265	58,082	-	-	-	-	-	-	**1,225,847**
Re-exports and bunkering	-	-	(106,250)	(91,920)	-	(38,483)	-	-	-	-	-	-	-	**(236,653)**
Stock change / Statistical error	(26,336)	2,856	(706)	(1,672)	(4,748)	20,344	1,157	-	-	-	-	-	-	**(9,107)**
Total Primary Energy Requirement	**179,396**	**97,578**	**215,973**	**142,482**	**26,293**	**259,127**	**59,239**	**7,325**	**-**	**10,516**	**37**	**257,792**	**-**	**1,255,757**
Public electricity generation plant	-	-	(4,008)	-	(17,218)	(211,264)	-	-	-	(10,514)	(37)	-	105,374	**(137,666)**
Autoproducer plants	(164,379)	-	-	-	-	-	-	-	-	(2)	-	(174,852)	80,835	**(258,398)**
Other transformation	-	-	-	-	-	-	-	(730)	355	-	-	-	-	**(374)**
Own use	-	-	-	-	-	-	-	-	-	-	-	-	(4,233)	**(4,233)**
Losses	-	-	-	-	-	-	-	-	-	-	-	-	(16,962)	**(16,962)**
Total Final Consumption	**15,016**	**97,578**	**211,966**	**142,482**	**9,075**	**47,863**	**59,239**	**6,595**	**355**	**-**	**-**	**82,941**	**165,014**	**838,123**
Manufacturing sector	15,016	-	43,806	-	-	47,863	2,976	538	-	-	-	82,941	66,125	**259,265**
Transport sector	-	97,578	165,761	142,482	-	-	2,906	-	-	-	-	-	-	**408,728**
Commercial and distributive trade sector	-	-	-	-	-	-	6,882	-	266	-	-	-	44,395	**51,544**
Residential sector	-	-	-	-	9,075	-	46,284	6,057	89	-	-	-	49,451	**110,957**
Agriculture	-	-	2,399	-	-	-	-	-	-	-	-	-	2,046	**4,445**
Other	-	-	-	-	-	-	190	-	-	-	-	-	2,996	**3,186**

[1] Revised

Note: figures in brackets represent negative quantities

Table 1.3 - Main energy indicators[1], 1996 - 2005

Details	Unit	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Total primary energy requirement	ktoe	910.3	943.7	1,007.7	999.5	1,113.1	1,182.0	1,157.3	1,222.8	1,255.8	1,293.2
Imported	*ktoe*	*634.7*	*647.3*	*707.2*	*778.9*	*849.0*	*901.2*	*898.8*	*956.3*	*980.1*	*1,030.5*
Local	*ktoe*	*275.6*	*296.4*	*300.5*	*220.6*	*264.1*	*280.9*	*258.6*	*266.5*	*275.7*	*262.6*
Total primary energy requirement index (1990 = 100)		124.6	129.1	137.9	136.8	152.3	161.8	158.4	167.3	171.8	177.0
Annual increase	%	+4.5	+3.7	+6.8	-0.8	+11.4	+6.2	-2.1	+5.7	+2.7	+3.0
Import dependency	%	69.7	68.6	70.2	77.9	76.3	76.2	77.7	78.2	78.0	79.7
GDP in1990 rupees	Rs.Million	53,250	56,285	59,662	61,332	66,607	70,071	71,542	74,618	78,797	79,821
GDP index (1990 = 100)		134.4	142.0	150.6	154.8	168.1	176.8	180.5	188.3	198.8	201.4
Energy intensity	toe per Rs.100,000 GDP	1.71	1.68	1.69	1.63	1.67	1.69	1.62	1.64	1.59	1.62
Mid-year population	thousand	1,134	1,148	1,160	1,175	1,187	1,200	1,210	1,223	1,233	1,243
Per capita primary energy requirement	toe	0.80	0.82	0.87	0.85	0.94	0.99	0.96	1.00	1.02	1.04
Per capita final energy consumption	toe	0.61	0.63	0.63	0.59	0.63	0.65	0.63	0.67	0.68	0.68
Per capita consumption of electricity sold	kWh	878	947	1,026	1,059	1,158	1,222	1,248	1,330	1,382	1,429

[1] Revised

Section II

Primary energy requirement

Table 2.1 - Primary energy requirement , 1996 - 2005

Energy source	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
	Physical unit (Thousand tonne/GWh)									
Imported										
Gasolene	87.4	87.7	88.6	89.5	92.0	87.7	87.5	89.2	90.4	92.7
Diesel Oil	136.0	145.5	155.1	165.0	189.4	188.7	196.8	208.8	213.8	212.1
Dual Purpose Kerosene	156.9	135.6	148.7	148.2	130.8	137.9	122.8	141.8	162.3	165.1
Kerosene	*76.3*	*56.5*	*59.1*	*51.0*	*22.7*	*13.2*	*13.9*	*18.1*	*25.3*	*27.5*
Aviation Fuel	*80.6*	*79.0*	*89.5*	*97.1*	*108.1*	*124.7*	*109.0*	*123.6*	*137.0*	*137.6*
Fuel Oil	182.6	202.2	221.5	239.6	224.5	246.0	241.1	260.1	269.9	263.8
LPG	36.6	39.1	40.4	43.4	46.3	47.1	48.6	51.7	54.9	60.9
Coal	40.3	45.7	70.7	136.6	253.0	299.2	312.8	316.2	289.3	363.8
Local										
Hydro/Wind GWh	105	93	105	30	96	71	86	117.8	122.7	115.3
Bagasse[1]	1,595.1	1,741.0	1,767.0	1,314.4	1,553.3	1,671.5	1,524.4	1,557.0	1,611.2	1,531.9
Fuelwood[1]	30.0	25.8	23.2	20.2	19.3	19.3	19.2	19.1	19.3	20.0
	Energy unit (ktoe)									
Imported										
Gasolene	94.4	94.7	95.7	96.7	99.4	94.8	94.5	96.4	97.6	100.1
Diesel Oil	137.4	147.0	156.7	166.6	191.3	190.6	198.7	210.9	216.0	214.2
Dual Purpose Kerosene	163.2	141.0	154.6	154.1	136.0	143.4	127.7	147.4	168.8	171.7
Kerosene	*79.4*	*58.8*	*61.5*	*53.1*	*23.6*	*13.8*	*14.4*	*18.9*	*26.3*	*28.6*
Aviation Fuel	*83.8*	*82.2*	*93.1*	*101.0*	*112.4*	*129.6*	*113.3*	*128.6*	*142.5*	*143.1*
Fuel Oil	175.3	194.1	212.7	230.0	215.5	236.1	231.4	249.7	259.1	253.3
LPG	39.5	42.3	43.7	46.9	50.0	50.8	52.5	55.8	59.2	65.7
Sub total (Petroleum products)	***609.7***	***619.0***	***663.3***	***694.2***	***692.2***	***715.7***	***704.8***	***760.2***	***800.7***	***805.0***
Coal	25.0	28.3	43.9	84.7	156.9	185.5	193.9	196.0	179.4	225.6
Sub total (Imported)	***634.7***	***647.3***	***707.2***	***778.9***	***849.0***	***901.2***	***898.8***	***956.3***	***980.1***	***1,030.5***
Local										
Hydro / Wind	9.0	8.0	9.0	2.6	8.2	6.1	7.4	10.1	10.6	9.9
Bagasse[1]	255.2	278.6	282.7	210.3	248.5	267.4	243.9	249.1	257.8	245.1
Fuelwood[1]	11.4	9.8	8.8	7.7	7.3	7.3	7.3	7.3	7.3	7.6
Sub total (Local)	***275.6***	***296.4***	***300.5***	***220.6***	***264.1***	***280.9***	***258.6***	***266.5***	***275.7***	***262.6***
Total	**910.3**	**943.7**	**1,007.7**	**999.5**	**1,113.1**	**1,182.0**	**1,157.3**	**1,222.8**	**1,255.8**	**1,293.2**
	Percentage (%)									
Imported										
Gasolene	10.4	10.0	9.5	9.7	8.9	8.0	8.2	7.9	7.8	7.7
Diesel Oil	15.1	15.6	15.5	16.7	17.2	16.1	17.2	17.3	17.2	16.6
Dual Purpose Kerosene	17.9	14.9	15.3	15.4	12.2	12.1	11.0	12.1	13.4	13.3
Kerosene	*8.7*	*6.2*	*6.1*	*5.3*	*2.1*	*1.2*	*1.2*	*1.5*	*2.1*	*2.2*
Aviation Fuel	*9.2*	*8.7*	*9.2*	*10.1*	*10.1*	*11.0*	*9.8*	*10.5*	*11.3*	*11.1*
Fuel Oil	19.3	20.6	21.1	23.0	19.4	20.0	20.0	20.4	20.6	19.6
LPG	4.3	4.5	4.3	4.7	4.5	4.3	4.5	4.6	4.7	5.1
Sub total (Petroleum products)	***67.0***	***65.6***	***65.8***	***69.5***	***62.2***	***60.5***	***60.9***	***62.2***	***63.8***	***62.2***
Coal	2.7	3.0	4.4	8.5	14.1	15.7	16.8	16.0	14.3	17.4
Sub total (Imported)	***69.7***	***68.6***	***70.2***	***77.9***	***76.3***	***76.2***	***77.7***	***78.2***	***78.0***	***79.7***
Local										
Hydro/Wind	1.0	0.8	0.9	0.3	0.7	0.5	0.6	0.8	0.8	0.8
Bagasse[1]	28.0	29.5	28.1	21.0	22.3	22.6	21.1	20.4	20.5	19.0
Fuelwood[1]	1.3	1.0	0.9	0.8	0.7	0.6	0.6	0.6	0.6	0.6
Sub total (Local)	***30.3***	***31.4***	***29.8***	***22.1***	***23.7***	***23.8***	***22.3***	***21.8***	***22.0***	***20.3***
Total	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**

[1] estimates

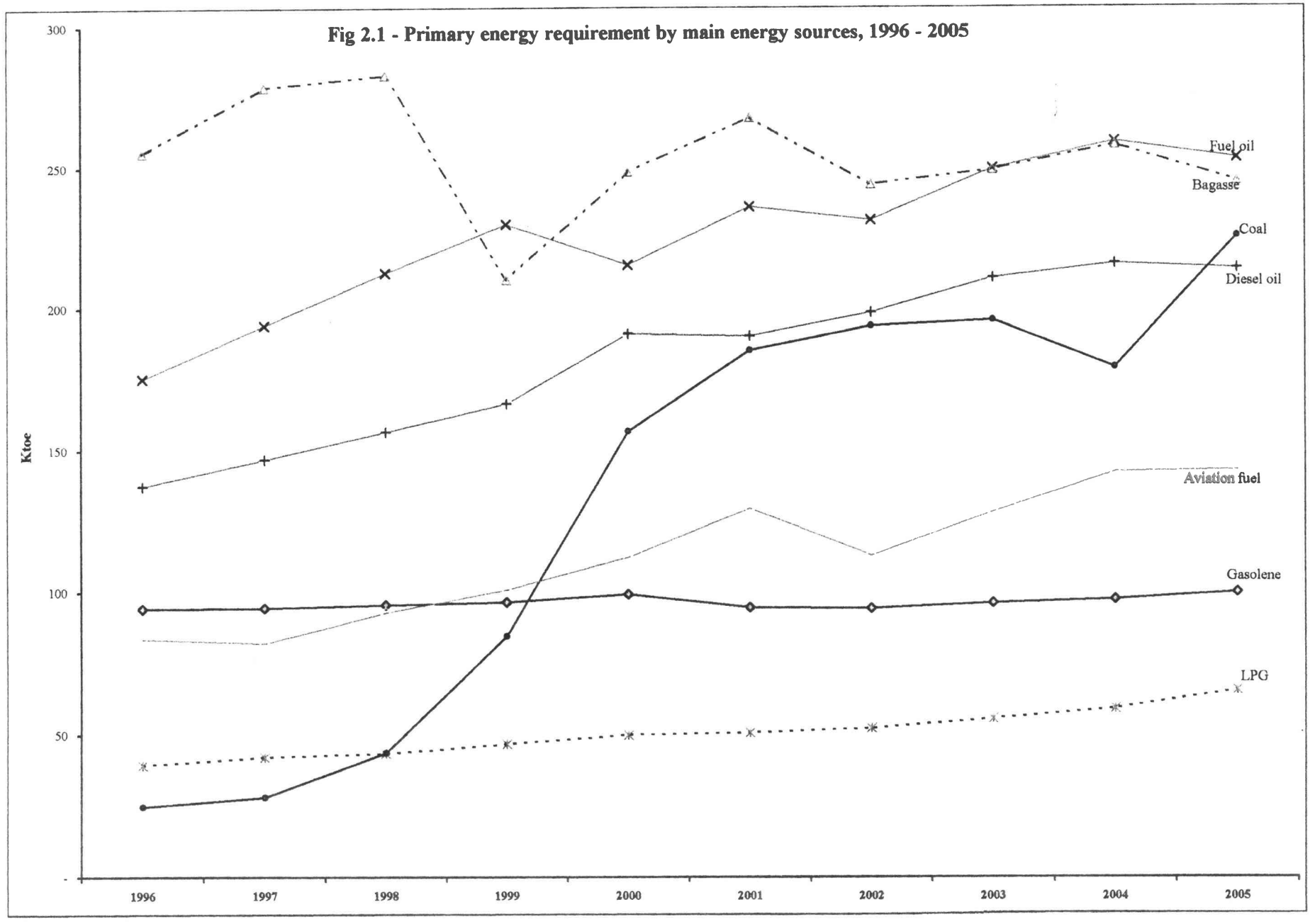


Fig 2.1 - Primary energy requirement by main energy sources, 1996 - 2005
Ktoe
300
250
200
150
100
50
-
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
Fuel oil
Bagasse
Coal
Diesel oil
Aviation fuel
Gasolene
LPG

Table 2.2 - Imports of energy sources (Physical unit), 1996 - 2005

Thousand tonne

Energy source	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Gasolene	88.0	88.1	86.9	92.7	89.8	86.8	80.3	86.8	87.7	86.8
Diesel oil	222.0	256.0	282.7	295.6	339.7	338.0	346.4	309.2	319.7	329.9
Dual Purpose Kerosene	196.0	196.3	206.4	231.9	217.4	214.2	225.5	227.7	256.8	248.0
Kerosene	*81.1*	*76.6*	*54.1*	*44.2*	*27.4*	*12.0*	*14.3*	*20.2*	*29.8*	*27.9*
Aviation Fuel	*114.8*	*119.7*	*152.3*	*187.7*	*190.0*	*202.2*	*211.1*	*207.5*	*227.0*	*220.1*
Fuel oil	194.4	249.2	274.1	246.3	218.8	275.1	208.6	288.0	288.8	329.9
LPG	36.6	41.7	44.7	43.6	47.3	43.9	55.9	51.5	53.8	62.7
Coal	38.5	27.8	86.3	128.9	222.4	347.5	312.0	289.4	331.8	379.3

Table 2.3 - Imports of energy sources (Energy unit), 1996 - 2005

ktoe

Energy source	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Gasolene	95.1	95.1	93.8	100.2	97.0	93.7	86.7	93.7	94.7	93.7
Diesel oil	224.2	258.5	285.6	298.5	343.1	341.4	349.9	312.3	322.9	333.2
Dual Purpose Kerosene	203.8	204.1	214.7	241.2	226.1	222.7	234.5	236.8	267.1	257.9
Kerosene	*84.4*	*79.6*	*56.3*	*45.9*	*28.4*	*12.5*	*14.9*	*21.0*	*31.0*	*29.0*
Aviation Fuel	*119.4*	*124.5*	*158.4*	*195.2*	*197.6*	*210.3*	*219.6*	*215.8*	*236.1*	*228.9*
Fuel oil	186.6	239.2	263.2	236.4	210.0	264.1	200.2	276.5	277.3	316.7
LPG	39.5	45.0	48.2	47.1	51.1	47.4	60.4	55.6	58.1	67.7
***Sub total** (Petroleum products)*	*749.2*	*842.0*	*905.5*	*923.3*	*927.3*	*969.4*	*931.7*	*975.0*	*1,020.1*	*1,069.3*
Coal	23.9	17.2	53.5	79.9	137.9	215.4	193.5	179.4	205.7	235.1
Total imports	**773.1**	**859.2**	**959.0**	**1,003.2**	**1,065.2**	**1,184.8**	**1,125.2**	**1,154.4**	**1,225.8**	**1,304.4**

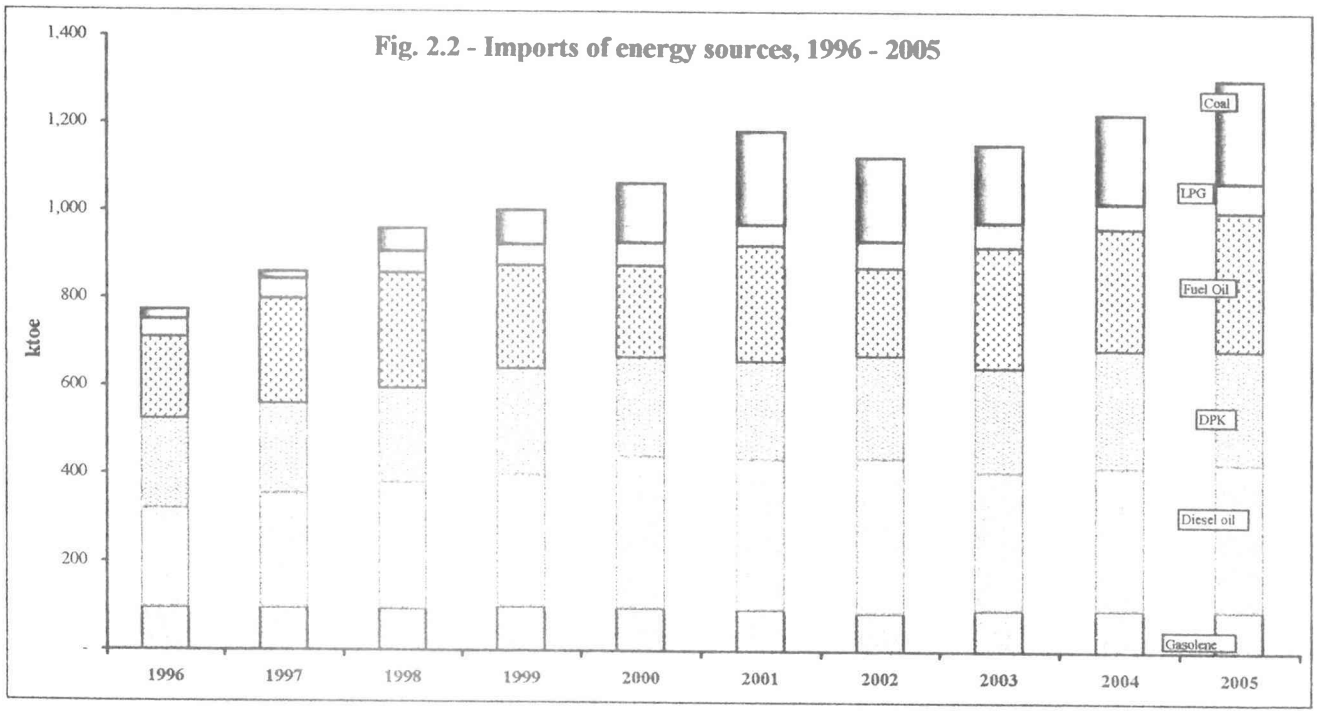


Table 2.4 - Imports of energy sources by country of origin (Physical unit), 1996 - 2005

Tonne

Country	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Gasolene	**88,041**	**88,074**	**86,895**	**92,737**	**89,824**	**86,773**	**80,297**	**86,802**	**87,706**	**86,759**
Bahrain	2,986	8,913	24,035	27,798	25,300	26,148	19,837	52,434	58,958	35,197
India	-	-	-	-	-	-	-	-	-	5,469
Kuwait	53,636	25,731	-	-	-	-	-	-	-	-
Reunion Island	-	-	-	-	-	-	-	-	-	2,013
Saudi Arabia	2,737	15,791	46,878	47,644	19,497	15,065	26,907	28,205	7,461	4,712
Singapore	-	-	-	-	-	3,074	-	-	-	4,413
South Africa	28,682	37,639	15,982	12,960	45,027	30,038	16,190	-	5,952	-
Tanzania	-	-	-	-	-	-	-	-	1,949	-
United Arab Emirates	-	-	-	-	-	12,448	17,363	6,163	13,386	34,955
Yemen	-	-	-	4,335	-	-	-	-	-	-
Diesel	**221,985**	**255,956**	**282,737**	**295,551**	**339,671**	**338,044**	**346,401**	**309,215**	**319,732**	**329,922**
Bahrain	19,005	29,019	78,893	90,841	105,408	62,967	87,179	160,788	142,140	139,997
India	-	-	-	-	-	-	-	22,848	35,208	37,934
Kuwait	107,461	46,948	-	-	-	-	-	-	21,898	-
Saudi Arabia	9,993	46,647	150,460	153,800	51,087	90,262	99,745	96,136	95,042	130,732
Singapore	-	-	-	-	-	20,777	-	-	-	15,378
South Africa	85,526	133,342	53,384	42,199	170,113	123,223	58,841	13,479	-	5,881
United Arab Emirates	-	-	-	-	13,063	40,815	100,636	6,884	25,444	-
Yemen	-	-	-	8,711	-	-	-	9,080	-	-
Kerosene (excl. jet fu	**81,146**	**76,560**	**54,128**	**44,180**	**27,351**	**11,986**	**14,338**	**20,185**	**29,847**	**27,899**
Bahrain	3,136	3,896	20,765	4,124	922	4,789	3,960	7,725	9,296	20,992
India	-	-	-	-	-	-	-	-	6,199	989
Kuwait	37,582	26,402	-	-	-	-	-	-	-	-
Saudi Arabia	1,766	13,643	27,193	37,222	1,154	3,290	3,721	7,980	12,576	4,129
Singapore	-	-	-	-	-	26	-	-	-	191
South Africa	38,662	32,619	6,170	2,834	25,275	3,699	2,477	2,521	-	-
Tanzania	-	-	-	-	-	-	-	-	89	1,598
United Arab Emirates	-	-	-	-	-	182	4,180	1,864	1,687	-
Yemen	-	-	-	-	-	-	-	95	-	-
Jet fuel type kerosen	**114,842**	**119,692**	**152,308**	**187,697**	**190,018**	**202,187**	**211,127**	**207,511**	**226,995**	**220,075**
Bahrain	15,160	11,074	36,476	63,251	66,643	44,066	37,996	119,280	165,036	125,946
India	-	-	-	-	-	-	-	-	14,407	16,962
Kuwait	46,034	17,348	-	-	-	-	-	-	-	-
Saudi Arabia	6,526	22,997	84,984	85,472	38,698	44,896	66,857	65,849	19,190	61,817
Singapore	-	-	-	-	-	5,158	-	-	-	11,807
South Africa	47,122	68,273	30,848	27,000	84,677	71,815	40,956	9,046	-	-
Tanzania	-	-	-	-	-	-	-	-	2,808	3,543
United Arab Emirates	-	-	-	-	-	36,252	65,318	7,160	25,554	-
Yemen	-	-	-	11,974	-	-	-	6,176	-	-
Fuel Oil	**194,372**	**249,207**	**274,125**	**246,279**	**218,763**	**275,138**	**208,581**	**287,985**	**288,818**	**329,915**
Bahrain	17,079	-	28,732	-	-	5,867	-	-	-	-
India	-	-	-	-	-	18,055	-	-	-	-
Iran	-	-	-	-	-	42,976	31,000	-	27,061	-
Kenya	10,163	-	11,584	44,168	-	-	-	-	-	-
Kuwait	77,139	49,108	-	-	-	-	-	-	-	-
Madagascar	86,984	153,944	174,599	117,521	117,116	98,076	40,587	199,830	103,974	-
Saudi Arabia	-	-	-	-	-	6,956	-	-	-	-
Singapore	-	-	-	-	-	-	23,827	-	-	-
South Africa	3,007	23,803	18,522	3,772	13,825	28,847	17,261	30,045	60,549	37,696
Tanzania	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	40,688	80,818	87,822	74,361	77,729	33,910	97,234	292,219
Ukraine	-	-	-	-	-	-	18,177	24,200	-	-
Other countries	-	22,352	-	-	-	-	-	-	-	-
LPG	**36,584**	**41,658**	**44,675**	**43,544**	**47,344**	**43,888**	**55,934**	**51,515**	**53,780**	**62,713**
Bahrain	-	-	-	-	-	-	-	-	9,528	8,936
France	-	829	2,704	-	-	-	4,842	2,724	-	-
Indonesia	-	2,257	3,054	3,146	197	-	-	-	1,943	3,654
Malaysia	-	-	1,659	2,157	1,821	7,126	9,281	10,550	17,259	42,115
Philippines	6,297	5,186	2,625	402	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	2,029	-	-	-
Singapore	-	11,035	5,983	6,715	4,944	2,091	15,793	22,217	3,322	-
South Africa	30,246	20,718	27,299	31,124	38,522	34,671	18,890	13,007	5,531	-
United Arab Emirates	-	-	-	-	1,830	-	-	-	13,727	6,159
Yemen	-	-	-	-	-	-	3,225	324	2,470	1,849
Other countries	41	1633	1351	-	30	-	1,874	2,693	-	-
Coal	**38,481**	**27,782**	**86,343**	**128,871**	**222,423**	**347,462**	**312,031**	**289,373**	**331,826**	**379,263**
Greece	-	-	-	-	-	-	-	-	-	-
Mozambique	-	-	53,627	25,748	36,943	-	157,645	113,669	164,909	168,282
South Africa	38,481	27,782	32,717	103,123	185,480	347,462	154,386	175,704	166,917	210,981

Table 2.5 - Imports value of energy sources by country of origin, 1996 - 2005

Value (c.i.f.): Rs(000)

Country	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Gasolene	**381,000**	**410,552**	**356,322**	**475,173**	**744,311**	**646,125**	**605,654**	**748,509**	**1,030,619**	**1,452,772**
Bahrain	13,735	47,439	102,814	167,006	215,549	203,232	164,003	439,731	686,478	526,795
India	-	-	-	-	-	-	-	-	-	82,960
Kuwait	231,003	111,754	-	-	-	-	-	-	-	-
Reunion Island										25,040
Saudi Arabia	14,051	78,961	191,194	223,102	177,034	110,845	222,842	258,132	89,363	104,960
Singapore	-	-	-	-	-	26,345	-	-	-	94,674
South Africa	122,211	172,398	62,313	70,677	351,728	218,891	89,057	-	48,099	-
Tanzania	-	-	-	-	-	-	-	-	26,860	-
United Arab Emirates	-	-	-	-	-	86,812	129,752	50,647	179,819	618,343
Yemen	-	-	-	14,388	-	-	-	-	-	-
Diesel	**913,215**	**1,003,872**	**808,284**	**1,114,019**	**2,166,701**	**2,046,171**	**2,223,576**	**2,206,920**	**3,101,533**	**4,833,411**
Bahrain	78,158	111,765	217,560	377,663	661,929	392,692	617,939	1,148,753	1,388,045	2,029,459
India	-	-	-	-	-	-	-	196,298	430,416	542,554
Kuwait	445,324	191,273	-	-	-	-	-	-	188,187	-
Saudi Arabia	46,273	185,469	428,385	542,322	352,594	580,062	667,094	662,637	798,739	1,928,116
Singapore	-	-	-	-	-	131,704	-	-	-	265,007
South Africa	343,460	515,365	162,340	172,026	1,092,232	710,386	298,879	96,965	-	68,275
United Arab Emirates	-	-	-	-	59,945	231,327	639,664	46,240	296,146	-
Yemen	-	-	-	22,008	-	-	-	56,027	-	-
Kerosene (excl. jet fuel)	**386,324**	**338,428**	**186,890**	**178,500**	**205,854**	**84,912**	**102,760**	**168,548**	**321,443**	**456,826**
Bahrain	15,761	16,643	74,348	22,318	7,376	34,503	32,509	65,965	95,272	339,893
India	-	-	-	-	-	-	-	-	85,338	14,218
Kuwait	176,205	115,723	-	-	-	-	-	-	-	-
Saudi Arabia	8,728	60,588	92,513	140,819	10,320	25,560	27,076	69,549	118,225	78,877
Singapore	-	-	-	-	-	185	-	-	-	3,695
South Africa	185,631	145,474	20,029	15,362	188,158	23,874	14,204	19,807	-	-
Tanzania	-	-	-	-	-	-	-	-	1,186	20,142
United Arab Emirates	-	-	-	-	-	790	28,971	12,628	21,422	-
Yemen	-	-	-	-	-	-	-	599	-	-
Jet fuel type kerosene	**517,606**	**502,221**	**513,571**	**819,982**	**1,349,534**	**1,335,866**	**1,460,996**	**1,588,451**	**2,451,264**	**3,621,568**
Bahrain	72,545	47,057	135,915	311,847	459,620	309,308	283,167	915,616	1,734,016	2,017,560
India	-	-	-	-	-	-	-	-	195,789	255,521
Kuwait	209,900	76,875	-	-	-	-	-	-	-	-
Saudi Arabia	32,253	94,333	280,356	347,040	301,037	314,388	506,813	514,338	164,799	1,075,386
Singapore	-	-	-	-	-	36,621	-	-	-	228,443
South Africa	202,908	283,956	97,300	125,447	588,877	451,940	235,954	71,072	-	-
Tanzania	-	-	-	-	-	-	-	-	37,414	44,658
United Arab Emirates	-	-	-	-	-	223,609	435,062	48,505	319,246	-
Yemen	-	-	-	35,649	-	-	-	38,920	-	-
Fuel Oil	**449,279**	**587,266**	**568,421**	**717,704**	**964,288**	**1,213,934**	**1,067,208**	**1,452,876**	**1,621,612**	**2,743,270**
Bahrain	40,519	-	67,417	-	-	25,204	-	-	-	-
India	-	-	-	-	-	70,227	-	-	-	-
Iran	-	-	-	-	-	183,394	147,318	-	169,758	-
Kenya	24,432	-	24,615	125,087	-	-	-	-	-	-
Kuwait	184,899	111,442	-	-	-	-	-	-	-	-
Madagascar	192,024	360,166	364,899	311,355	499,540	430,723	196,684	995,205	533,680	-
Saudi Arabia	-	-	-	-	-	37,743	-	-	-	-
Singapore	-	-	-	-	-	-	115,267	-	-	-
South Africa	7,406	63,790	34,693	14,865	58,133	126,509	85,306	155,703	319,129	355,387
Tanzania	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	76,797	266,398	406,615	340,134	423,173	178,095	599,045	2,387,883
Ukraine	-	-	-	-	-	-	99,460	123,874	-	-
Other countries	-	51,868	-	-	-	-	-	-	-	-
LPG	**262,436**	**339,170**	**323,436**	**377,853**	**510,470**	**517,009**	**534,452**	**518,198**	**639,389**	**1,047,388**
Bahrain	-	-	-	-	-	-	-	-	116,753	138,513
France	-	7,821	18,305	-	-	-	43,961	24,209	-	-
Indonesia	-	18,938	20,235	27,351	2,675	-	-	-	20,416	55,155
Malaysia	-	-	12,721	22,203	20,428	83,650	89,409	106,065	202,200	728,873
Philippines	43,994	39,574	17,733	5,017	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	17,677	-	-	-
Singapore	-	92,526	42,956	51,035	56,369	25,037	157,050	217,298	42,408	-
South Africa	218,118	164,748	199,901	272,246	411,296	408,322	170,911	140,889	78,942	-
United Arab Emirates	-	-	-	-	19,230	-	-	-	151,845	95,634
Yemen	-	-	-	-	-	-	35,683	3,756	26,825	29,213
Other countries	324	15,563	11,584	-	471	-	19,761	25,980	-	-
Coal	**41,930**	**31,017**	**114,427**	**112,089**	**195,037**	**390,951**	**342,748**	**307,849**	**519,674**	**766,654**
Greece	-	-	-	-	-	-	-	-	-	-
Mozambique	-	-	74,877	21,880	29,877	-	171,803	115,227	289,483	346,844
South Africa	41,930	31,017	39,550	90,209	165,159	390,951	170,945	192,623	230,191	419,810
All energy sources	2,951,789	3,212,525	2,871,350	3,795,713	6,136,195	6,234,968	6,337,394	6,991,351	9,685,533	14,921,888

Table 2.6 - Re-exports of energy sources to foreign aircraft and bunkers, 1996 - 2005

Energy re-exported	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
										Thousand tonne
Aviation fuel for foreign aircraft	44.6	54.0	53.1	78.3	87.5	76.0	92.8	88.7	88.4	96.9
Diesel oil	102.1	104.8	127.3	122.1	160.0	156.7	138.5	97.7	105.2	135.4
Fuel oil	26.3	25.7	35.3	46.9	57.6	44.0	26.7	34.8	40.1	54.7
										Ktoe
Aviation fuel for foreign aircraft	46.4	56.2	55.3	81.4	91.0	79.0	96.5	92.3	91.9	100.7
Diesel oil	103.2	105.9	128.6	123.3	161.6	158.3	139.9	98.6	106.2	136.8
Fuel oil	25.2	24.7	33.9	45.1	55.3	42.2	25.6	33.4	38.5	52.6
Total	**174.7**	**186.7**	**217.8**	**249.8**	**307.9**	**279.5**	**262.1**	**224.3**	**236.7**	**290.1**

Fig. 2.3 - Re-exports of energy sources to foreign aircraft and bunkers, 1996 - 2005

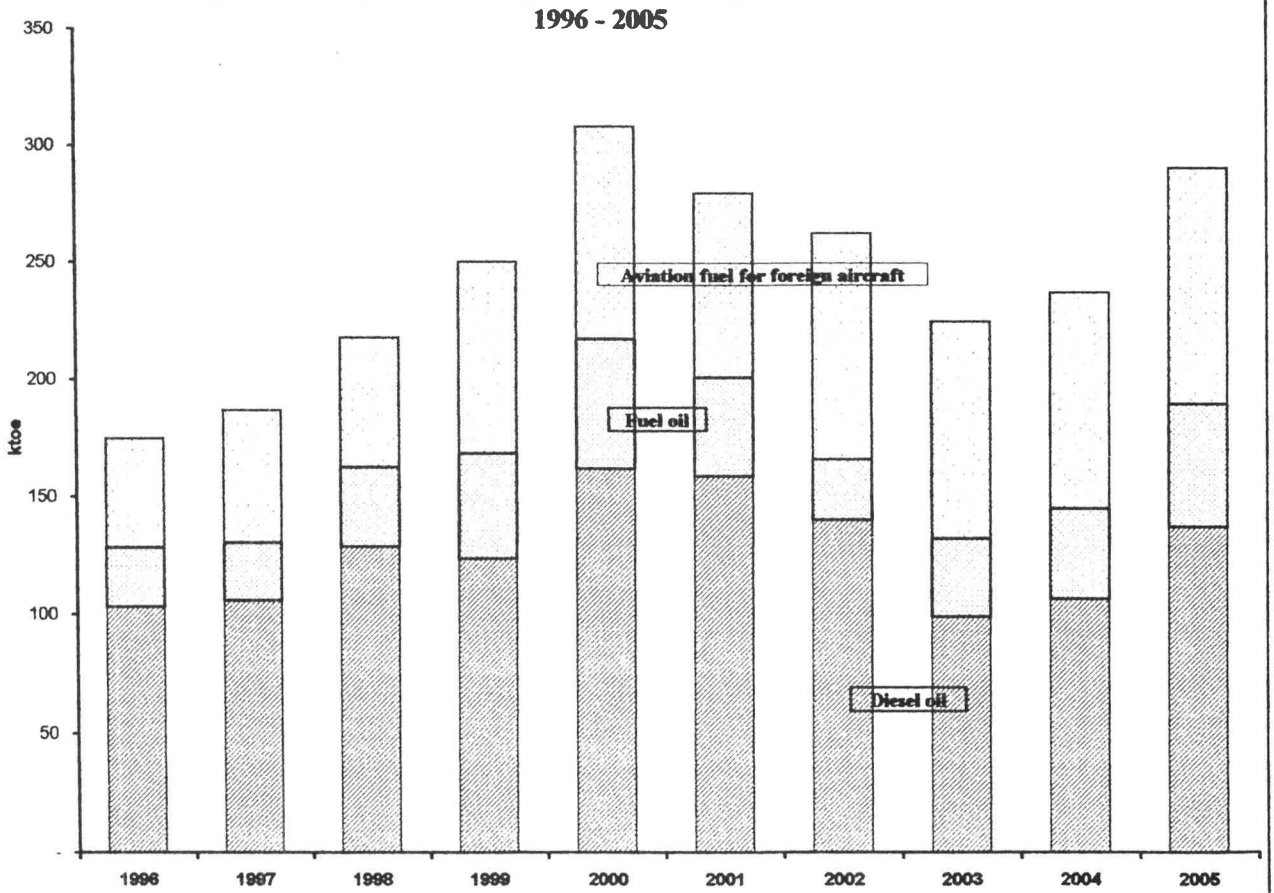


Table 2.7 Average import price of energy sources by country of origin , 1996 - 2005

Rs/tonne

Country	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Gasolene	**4,328**	**4,661**	**4,101**	**5,124**	**8,286**	**7,446**	**7,543**	**8,623**	**11,751**	**16,745**
Bahrain	4,600	5,322	4,278	6,008	8,520	7,772	8,268	8,386	11,644	14,967
India	-	-	-	-	-	-	-	-	-	15,169
Kuwait	4,307	4,343	-	-	-	-	-	-	-	-
Reunion Island	-	-	-	-	-	-	-	-	-	12,439
Saudi Arabia	5,134	5,000	4,079	4,683	9,080	7,358	8,282	9,152	11,977	22,275
Singapore	-	-	-	-	-	8,570	-	-	-	21,453
South Africa	4,261	4,580	3,899	5,453	7,811	7,287	5,501	-	8,081	-
Tanzania	-	-	-	-	-	-	-	-	13,782	-
United Arab Emirates	-	-	-	-	-	6,974	7,473	8,218	13,433	17,690
Yemen	-	-	-	3,319	-	-	-	-	-	-
Diesel	**4,114**	**3,922**	**2,859**	**3,769**	**6,379**	**6,053**	**6,419**	**7,137**	**9,700**	**14,650**
Bahrain	4,113	3,851	2,758	4,157	6,280	6,236	7,088	7,145	9,765	14,496
India	-	-	-	-	-	-	-	8,591	12,225	14,303
Kuwait	4,144	4,074	-	-	-	-	-	-	8,594	-
Saudi Arabia	4,631	3,976	2,847	3,526	6,902	6,426	6,688	6,893	8,404	14,749
Singapore	-	-	-	-	-	6,339	-	-	-	17,233
South Africa	4,016	3,865	3,041	4,077	6,421	5,765	5,079	7,194	-	11,609
United Arab Emirates	-	-	-	-	4,589	5,668	6,356	6,717	11,639	-
Yemen	-	-	-	2,526	-	-	-	6,170	-	-
Kerosene (excl. jet fuel)	**4,761**	**4,420**	**3,453**	**4,040**	**7,526**	**7,084**	**7,167**	**8,350**	**10,770**	**16,374**
Bahrain	5,026	4,272	3,580	5,412	8,000	7,205	8,209	8,539	10,249	16,192
India	-	-	-	-	-	-	-	-	13,766	14,377
Kuwait	4,689	4,383	-	-	-	-	-	-	-	-
Saudi Arabia	4,942	4,441	3,402	3,783	8,942	7,769	7,277	8,715	9,401	19,103
Singapore	-	-	-	-	-	7,115	-	-	-	19,348
South Africa	4,801	4,460	3,246	5,421	7,444	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	-	-
Jet fuel type kerosene	**4,507**	**4,196**	**3,372**	**4,369**	**7,102**	**6,607**	**6,920**	**7,655**	**10,799**	**16,456**
Bahrain	4,785	4,249	3,726	4,930	6,897	7,019	7,453	7,676	10,507	16,019
India	-	-	-	-	-	-	-	-	13,590	15,064
Kuwait	4,560	4,431	-	-	-	-	-	-	-	-
Saudi Arabia	4,942	4,102	3,299	4,060	7,779	7,003	7,581	7,811	8,588	17,396
Singapore	-	-	-	-	-	7,100	-	-	-	19,348
South Africa	4,306	4,159	3,154	4,646	6,954	6,293	5,761	7,857	-	-
Tanzania	-	-	-	-	-	-	-	-	13,324	12,604
United Arab Emirates	-	-	-	-	-	6,168	6,661	6,774	12,493	-
Yemen	-	-	-	2,977	-	-	-	6,302	-	-
Fuel Oil	**2,311**	**2,357**	**2,074**	**2,914**	**4,408**	**4,412**	**5,117**	**5,045**	**5,615**	**8,315**
Bahrain	2,372	-	2,346	-	-	4,296	-	-	-	-
India	-	-	-	-	-	3,890	-	-	-	-
Iran	-	-	-	-	-	4,267	4,752	-	6,273	-
Kenya	2,404	-	2,125	2,832	-	-	-	-	-	-
Kuwait	2,397	2,269	-	-	-	-	-	-	-	-
Madagascar	2,208	2,340	2,090	2,649	4,265	4,392	4,846	4,980	5,133	-
Saudi Arabia	-	-	-	-	-	5,426	-	-	-	-
Singapore	-	-	-	-	-	-	4,838	-	-	-
South Africa	2,463	2,680	1,873	3,941	4,205	4,386	4,942	5,182	5,271	9,428
Tanzania	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	1,887	3,296	4,630	4,574	5,444	5,252	6,161	8,172
Ukraine	-	-	-	-	-	-	5,472	5,119	-	-
Other countries	-	2,321	-	-	-	-	-	-	-	-
LPG	**7,173**	**8,140**	**7,240**	**8,677**	**10,782**	**11,780**	**9,555**	**10,059**	**11,889**	**16,701**
Bahrain	-	-	-	-	-	-	-	-	12,254	15,501
France	-	9,434	6,770	-	-	-	9,079	8,887	-	-
Indonesia	-	8,391	6,626	8,693	13,577	-	-	-	10,507	15,094
Malaysia	-	-	7,668	10,294	11,218	11,739	9,634	10,054	11,716	17,307
Philippines	6,986	7,631	6,755	12,478	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-
Singapore	-	8,385	7,180	7,600	11,402	11,974	9,944	9,781	12,766	-
South Africa	7,211	7,952	7,323	8,747	10,677	11,777	9,048	10,832	14,273	-
United Arab Emirates	-	-	-	-	10,508	-	-	-	11,062	15,528
Yemen	-	-	-	-	-	-	11,064	11,597	10,860	15,799
Other countries	7,820	9,528	8,574	-	15,649	-	10,545	9,647	-	-
Coal	**1,090**	**1,116**	**1,325**	**870**	**877**	**1,125**	**1,098**	**1,064**	**1,566**	**2,021**
Greece	-	-	-	-	-	-	-	-	-	-
Mozambique	-	-	1,396	850	809	-	1,090	1,014	1,755	2,061
South Africa	1,090	1,116	1,209	875	890	1,125	1,107	1,096	1,379	1,990

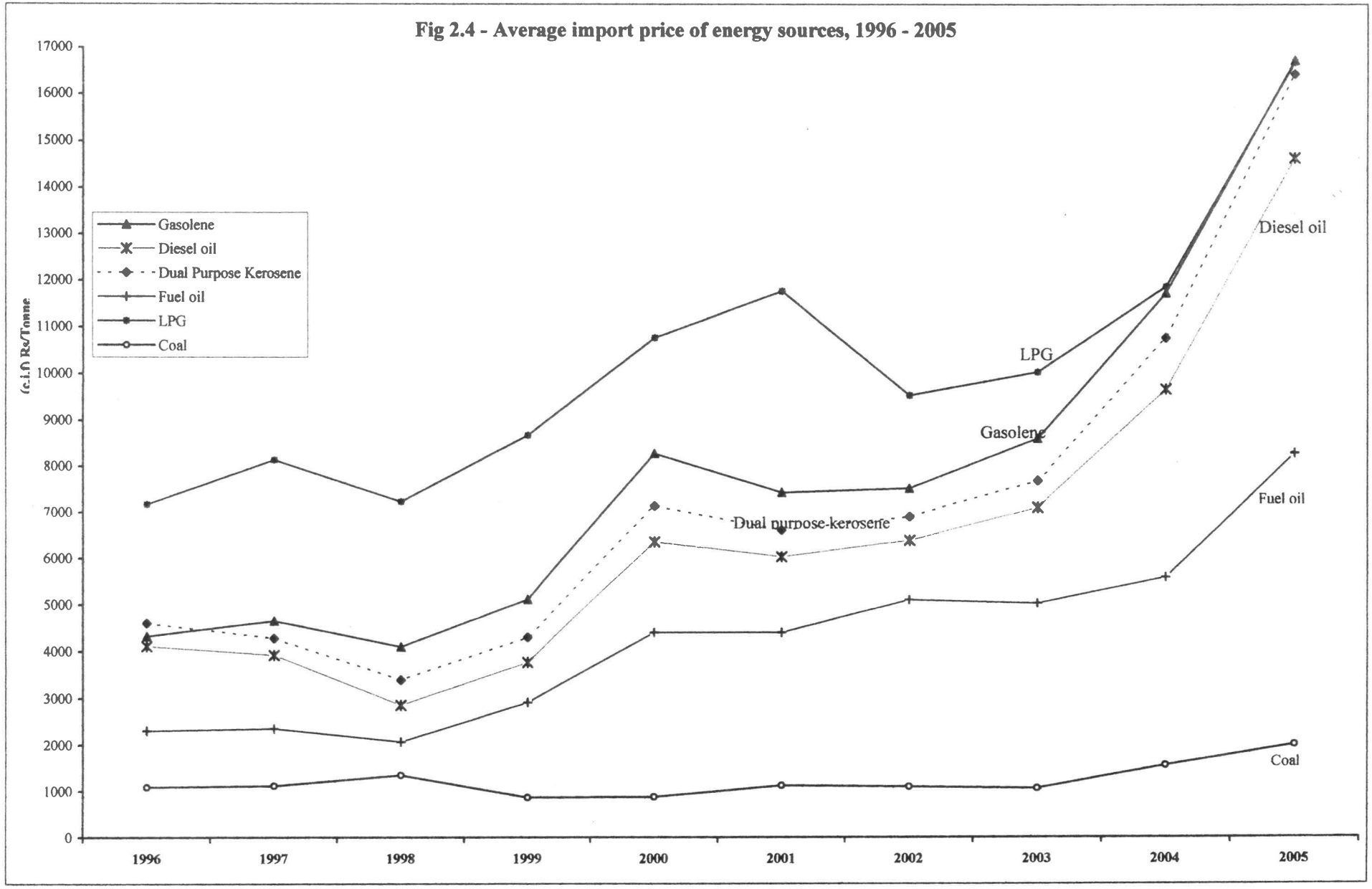


Fig 2.4 - Average import price of energy sources, 1996 - 2005
(c.i.f) Rs/Tonne
17000
16000
15000
14000
13000
12000
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
Gasolene
Diesel oil
Dual Purpose Kerosene
Fuel oil
LPG
Coal
LPG
Gasolene
Dual purpose-kerosene
Diesel oil
Fuel oil
Coal

Section III

Transformation of energy

Table 3.1 - Plant capacity, peak demand, electricity generation and sales, 1996 - 2005

Year	Plant capacity (MW)				Peak Demand (MW)		Electricity generated (GWh)					Sales (GWh)
	Installed		Effective									
	Isl. of Mtius	Rod.	Isl. of Mtius	Rod.	Isl. of Mtius	Rod.	Hydro	Wind	Thermal	Total	Available for sales	
1996	364.6[1]	4.0	331.9[1]	3.4	218.7	2.9	104.5	0.1	1,167.6	1,272.2	1,164.3	996.0
1997	401.7[1]	5.0	370.0[1]	4.4	238.1	3.2	93.2	0.0	1,305.0	1,398.2	1,266.9	1,087.3
1998	480.4[1]	6.0	396.7[1]	5.4	248.9	3.5	104.7	-	1,434.2	1,538.9	1,381.7	1,190.3
1999	522.3[1]	6.0	425.7[1]	5.4	265.8	3.8	30.0	-	1,554.8	1,584.8	1,440.7	1,244.1
2000	654.8	6.0	571.8	5.4	283.9	3.8	95.7	-	1,681.9	1,777.5	1,584.5	1,374.0
2001	654.8	6.0	573.8	5.6	297.4	4.2	70.8	-	1,840.0	1,910.8	1,677.7	1,466.7
2002	650.9	6.0	569.7	5.4	308.6	4.4	85.9	-	1,863.0	1,948.9	1,737.6	1,509.8
2003	644.8	6.0	568.3	5.4	323.8	4.8	117.8	-	1,963.7	2,081.5	1,864.4	1,626.9
2004	644.5	10.0	549.9	9.0	332.6	5.6	122.3	0.4	2,042.5	2,165.2	1,950.4	1,703.9
2005	678.9	10.0	577.9	9.4	353.1	6.0	114.9	0.4	2,156.8	2,272.1	2,044.9	1,776.6

[1] Excludes plant capacity for electricity not exported to CEB, figures available as from 2000

Source: Central Electricity Board and Annual Sugar Industry Energy Survey

Fig. 3.1 - Plant capacity and peak demand, 1996 - 2005
Island of Mauritius

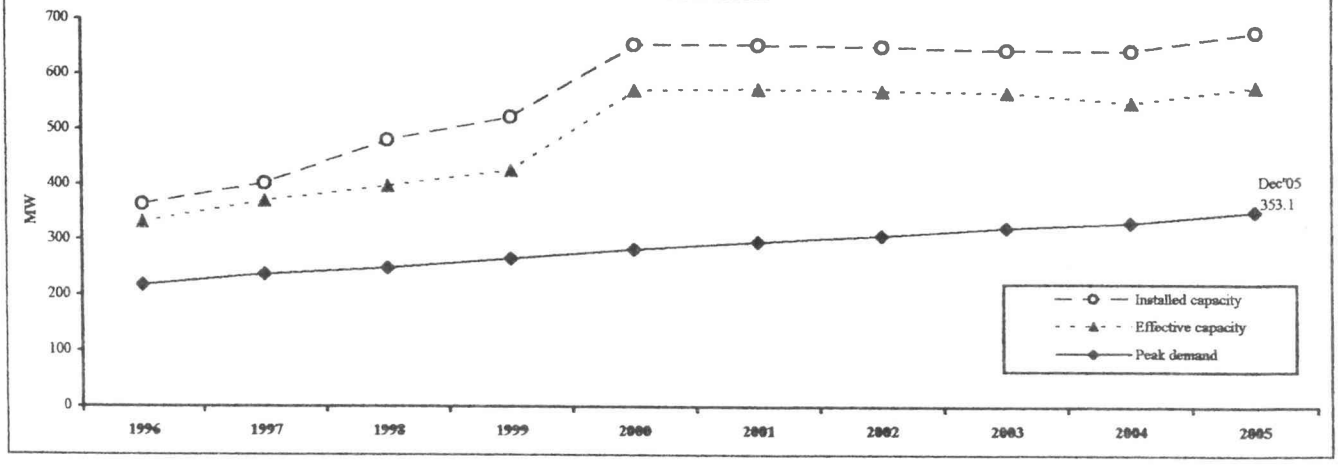


Fig. 3.2 - Plant capacity and peak demand, 1996 - 2005
Island of Rodrigues

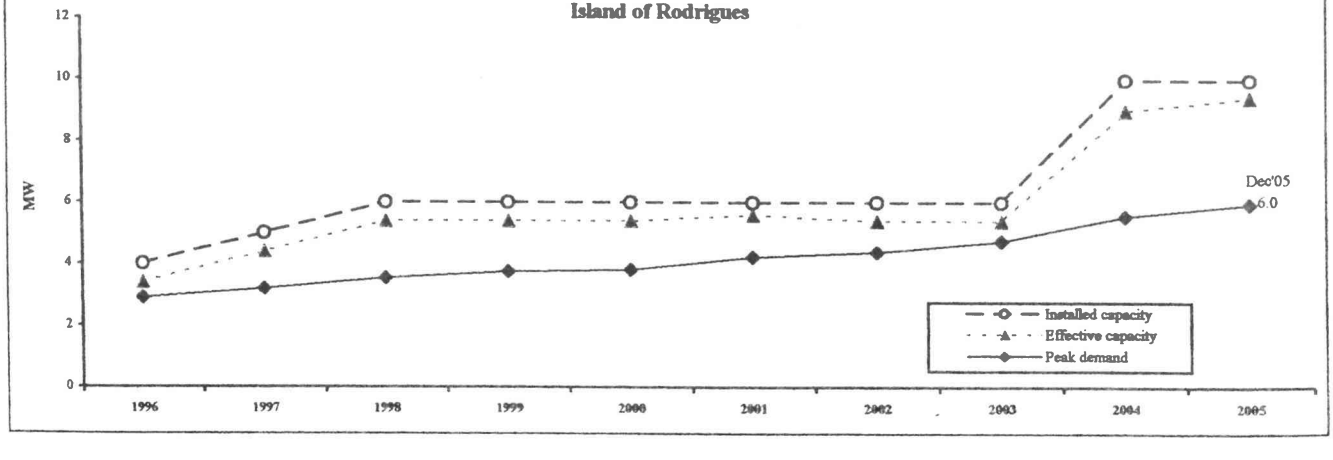


Table 3.2 - Plant capacity, 2005

MW

Central Electricity Board (CEB)	Plant capacity		Independent Power Producers (IPP)	Plant capacity	
	Installed	Effective		Installed	Effective
Hydro:			**Thermal:**		
Champagne	30.0	28.0	Firm producers[1]	170.7	150.5
Ferney	10.0	10.0	F.U.E.L.	36.7	33.0
Tamarind Falls	11.1	8.0	Compagnie thermique de Belle Vue	70.0	62.0
Le Val	4.0	4.0	Consolidated energy limited	28.4	25.5
Reduit	1.2	1.2	Compagnie thermique du Sud	35.6	30.0
Cascade Cecile	1.0	1.0			
Magenta	0.9	0.8			
La Ferme	1.2	1.2			
Total	**59.4**	**54.2**			
Wind:					
Island of Rodrigues	**0.2**	**0.2**	Continuous producers[2]	100.2	83.2
Thermal:			Savannah	15.6	13.8
Island of Mauritius	348.5	290.0	Medine	13.0	12.0
St Louis	71.8	36.0	Mon Desert Alma	13.8	13.0
Fort Victoria	61.7	45.0	Mon Loisir	14.0	13.6
Nicolay	78.0	76.0	Riche en Eau	11.2	10.0
Fort George	137.0	133.0	Union St. Aubin	12.2	10.0
Island of Rodrigues	9.8	9.2	Mon Tresor Mon Desert	18.0	10.0
			St Felix	2.4	0.8
Total	**358.3**	**299.2**			
Total	**417.9**	**353.6**	**Total**	**270.9**	**233.7**

Total plant capacity	Installed	Effective
1. Island of Mauritius	678.9	577.9
CEB	*408.0*	*344.2*
IPP	*270.9*	*233.7*
of which involved in export to CEB	*243.2*	*180.5*
2. Island of Rodrigues (CEB)	10.0	9.4
Total	**688.8**	**587.3**

[1] Producing electricity all year round with bagasse/coal

[2] Producing electricity with bagasse only during crop season

Source: Central Electricity Board & Annual Sugar Industry Energy Survey

Table 3.3 - Electricity production by source of energy, 1996 - 2005

GWh

Source of energy	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
ISLAND OF MAURITIUS										
Primary energy	**104.5**	**93.2**	**104.7**	**30.0**	**95.7**	**70.8**	**85.9**	**117.8**	**122.3**	**114.9**
Hydro	104.5	93.2	104.7	30.0	95.7	70.8	85.9	117.8	122.3	114.9
CEB	103.7	92.2	103.9	29.5	95.3	70.4	85.6	117.7	122.3	114.9
IPP	0.9	1.0	0.8	0.5	0.4	0.4	0.3	0.1	0.0	0.0
of which: Export to CEB	*0.2*	*0.3*	*0.2*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
Secondary energy	**1,154.4**	**1,289.9**	**1,417.3**	**1,536.7**	**1,662.2**	**1,819.4**	**1,840.4**	**1,939.4**	**2,015.7**	**2,127.2**
Gas turbine (kerosene)	219.0	154.2	161.9	136.6	42.8	12.1	18.0	32.3	44.3	56.2
Diesel & Fuel oil	699.3	857.1	842.0	912.7	825.7	864.4	864.8	960.6	1,031.5	1,008.4
Coal (IPP)*	10.8	29.1	93.3	188.5	363.3	465.3	505.5	497.6	470.3	609.7
of which: Export to CEB	*9.8*	*23.4*	*62.4*	*155.2*	*322.7*	*413.7*	*447.6*	*433.4*	*407.2*	*533.8*
Bagasse (IPP)*	225.2	249.6	320.1	298.9	430.5	477.6	452.1	448.9	469.6	452.9
of which: Export to CEB	*119.0*	*124.6*	*194.3*	*188.5*	*278.5*	*296.5*	*299.1*	*296.1*	*317.9*	*301.6*
Sub total	**1,258.9**	**1,383.1**	**1,522.0**	**1,566.7**	**1,757.9**	**1,890.2**	**1,926.3**	**2,057.1**	**2,138.0**	**2,242.1**
RODRIGUES										
Primary energy										
Wind	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
Secondary energy										
Diesel & Fuel oil	13.2	15.1	16.9	18.1	19.6	20.6	22.6	24.4	26.8	29.6
Sub total	**13.3**	**15.1**	**16.9**	**18.1**	**19.6**	**20.6**	**22.6**	**24.4**	**27.2**	**30.0**
Total	**1,272.2**	**1,398.2**	**1,538.9**	**1,584.8**	**1,777.5**	**1,910.8**	**1,948.9**	**2,081.5**	**2,165.2**	**2,272.1**

Source: Central Electricity Board & Annual Sugar Industry Energy Survey

Table 3.4 - Percentage share of electricity production by source of energy, 1996 - 2005

%

Source of energy	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
ISLAND OF MAURITIUS										
Primary energy	**8.2**	**6.7**	**6.8**	**1.9**	**5.4**	**3.7**	**4.4**	**5.7**	**5.6**	**5.1**
Hydro	8.2	6.7	6.8	1.9	5.4	3.7	4.4	5.7	5.6	5.1
CEB	8.1	6.6	6.8	1.9	5.4	3.7	4.4	5.7	5.6	5.1
IPP	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
of which: Export to CEB	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Secondary energy	**90.7**	**92.3**	**92.1**	**97.0**	**93.5**	**95.2**	**94.4**	**93.2**	**93.1**	**93.6**
Gas turbine (kerosene)	17.2	11.0	10.5	8.6	2.4	0.6	0.9	1.6	2.0	2.5
Diesel & Fuel oil	55.0	61.3	54.7	57.6	46.5	45.2	44.4	46.1	47.6	44.4
Coal (IPP)	0.9	2.1	6.1	11.9	20.4	24.4	25.9	23.9	21.7	26.8
of which: Export to CEB	*0.8*	*1.7*	*4.1*	*9.8*	*18.2*	*21.6*	*23.0*	*20.8*	*18.8*	*23.5*
Bagasse (IPP)	17.7	17.8	20.8	18.9	24.2	25.0	23.2	21.6	21.7	19.9
of which: Export to CEB	*9.4*	*8.9*	*12.6*	*11.9*	*15.7*	*15.5*	*15.3*	*14.2*	*14.7*	*13.3*
Sub total	**99.0**	**98.9**	**98.9**	**98.9**	**98.9**	**98.9**	**98.8**	**98.8**	**98.7**	**98.7**
RODRIGUES										
Primary energy										
Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Secondary energy										
Diesel & Fuel oil	1.0	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.3
Sub total	**1.0**	**1.1**	**1.1**	**1.1**	**1.1**	**1.1**	**1.2**	**1.2**	**1.3**	**1.3**
Total	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**

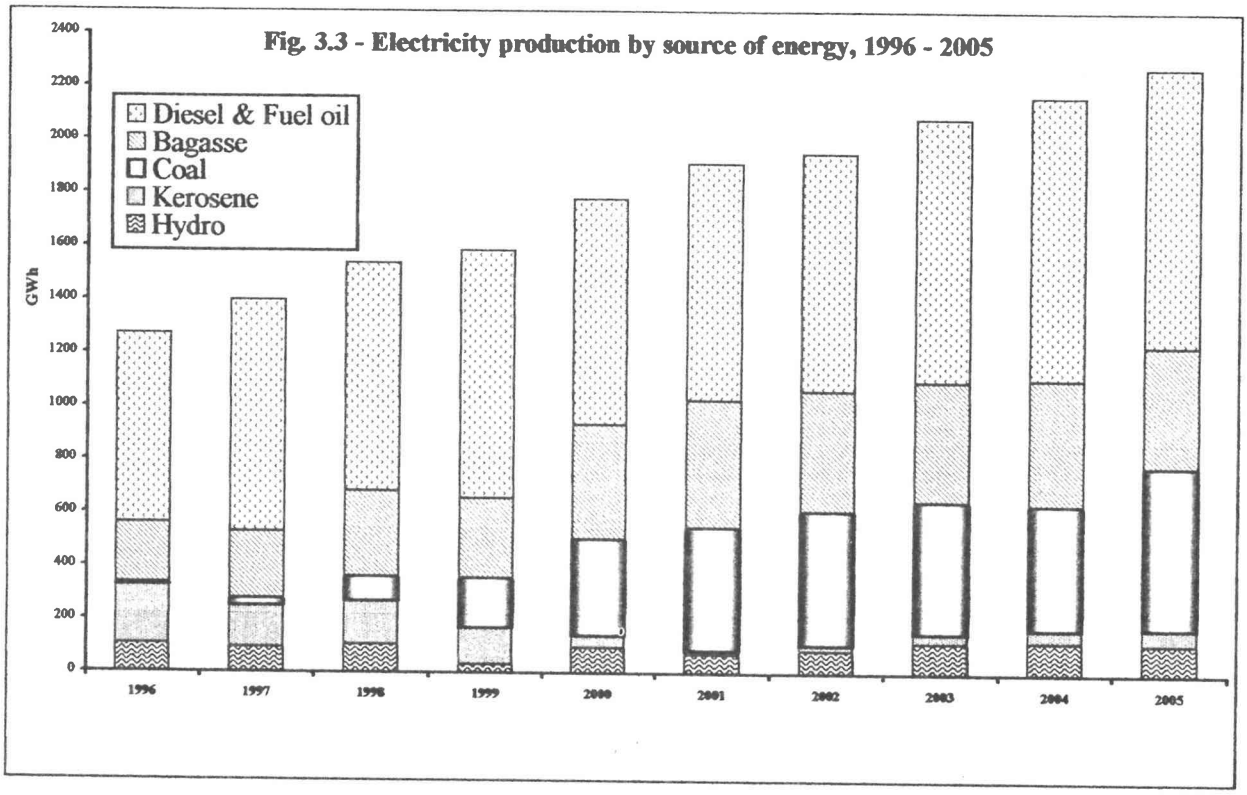


Table 3.5 - Generation of electricity by CEB and IPP, 1996-2005

GWh

Power station	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
CEB	**1,035.3**	**1,118.6**	**1,124.8**	**1,096.9**	**983.3**	**967.5**	**991.0**	**1,134.9**	**1,225.3**	**1,209.5**
Hydro	103.7	92.2	103.9	29.5	95.3	70.4	85.6	117.7	122.3	114.9
Wind	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
Island of Rodrigues	*0.1*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.4*	*0.4*
Thermal	931.5	1,026.4	1,020.8	1,067.4	888.1	897.1	905.4	1,017.2	1,102.6	1,094.2
Island of Mauritius	*918.3*	*1,011.3*	*1,003.9*	*1,049.3*	*868.5*	*876.5*	*882.8*	*992.8*	*1,075.8*	*1,064.6*
Island of Rodrigues	*13.2*	*15.1*	*16.9*	*18.1*	*19.6*	*20.6*	*22.6*	*24.4*	*26.8*	*29.6*
IPP	**236.9**	**279.6**	**414.2**	**487.9**	**794.2**	**943.3**	**957.9**	**946.6**	**939.9**	**1,062.6**
Hydro	0.9	1.0	0.8	0.5	0.4	0.4	0.3	0.1	0.0	0.0
Of which: exported to CEB	*0.2*	*0.3*	*0.2*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
Thermal [1]	236.1	278.6	413.4	487.4	793.8	942.9	957.6	946.5	939.9	1,062.6
Of which: exported to CEB	*128.8*	*148.0*	*256.7*	*343.7*	*601.2*	*710.2*	*746.7*	*729.4*	*725.1*	*835.4*
Coal (*Firm producers* [2])	9.8	23.4	62.4	155.2	322.7	413.7	447.6	433.4	407.2	533.8
Bagasse	119.0	124.6	194.3	188.5	278.5	296.5	299.1	296.1	317.9	301.6
Firm producers [2]	*79.6*	*66.1*	*81.8*	*110.8*	*167.0*	*182.8*	*171.1*	*176.2*	*191.0*	*185.0*
Continuous producers [3]	*39.4*	*58.5*	*112.5*	*77.8*	*111.5*	*113.7*	*128.0*	*119.9*	*127.0*	*116.6*
Total	**1,272.2**	**1,398.2**	**1,538.9**	**1,584.8**	**1,777.5**	**1,910.8**	**1,948.9**	**2,081.5**	**2,165.2**	**2,272.1**
Island of Mauritius										
CEB	1,022.0	1,103.5	1,107.8	1,078.8	963.7	946.9	968.4	1,110.5	1,198.1	1,179.5
IPP export to CEB	129.0	148.3	256.9	343.8	601.2	710.2	746.7	729.4	725.1	835.4
Total available for sales	**1,151.0**	**1,251.7**	**1,364.8**	**1,422.6**	**1,564.9**	**1,657.1**	**1,715.1**	**1,840.0**	**1,923.2**	**2,014.9**

[1] Estimates

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

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

Source: Central Electricity Board & Annual Sugar Industry Energy Survey

Fig. 3.4 - Generation of electricity by CEB and IPP(export to CEB), 1996 - 2005

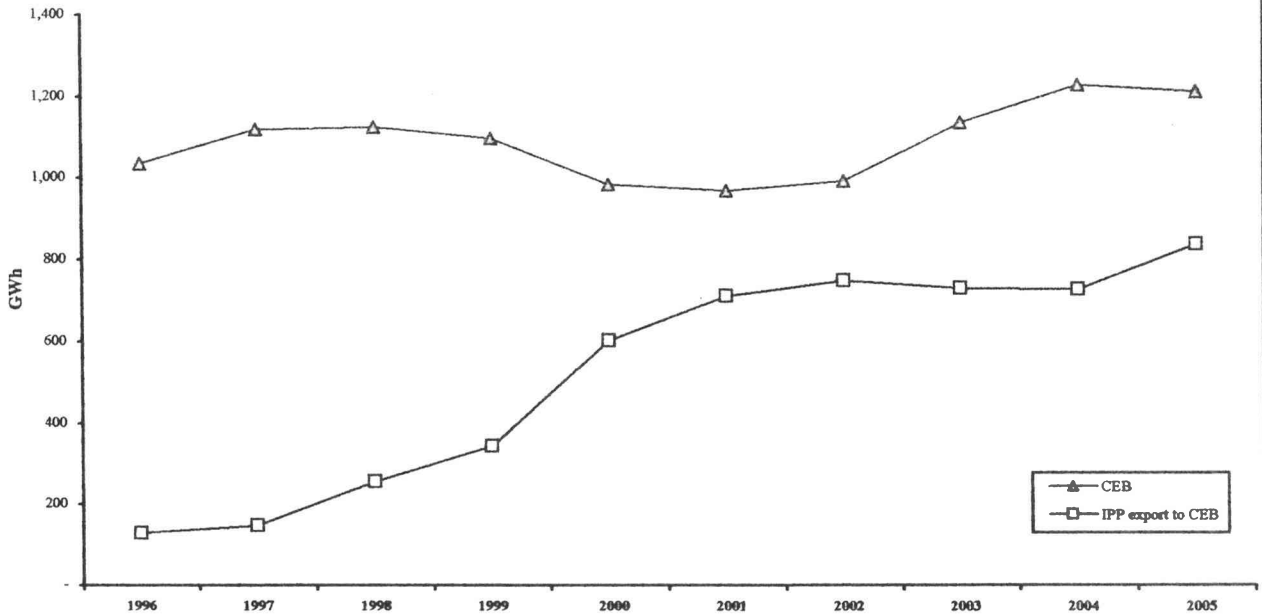


Table 3.6 - Percentage share of electricity generated by CEB and IPP, 1996 - 2005

%

Power station	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
CEB	**81.4**	**80.0**	**73.1**	**69.2**	**55.3**	**50.6**	**50.8**	**54.5**	**56.6**	**53.2**
Hydro	8.1	6.6	6.8	1.9	5.4	3.7	4.4	5.7	5.6	5.1
Wind	0.0	0.0	-	-	-	-	-	-	0.0	0.0
Island of Rodrigues	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
Thermal	73.2	73.4	66.3	67.4	50.0	46.9	46.5	48.9	50.9	48.2
Island of Mauritius	*72.2*	*72.3*	*65.2*	*66.2*	*48.9*	*45.9*	*45.3*	*47.7*	*49.7*	46.9
Island of Rodrigues	*1.0*	*1.1*	*1.1*	*1.1*	*1.1*	*1.1*	*1.2*	*1.2*	*1.2*	*1.3*
IPP	**18.6**	**20.0**	**26.9**	**30.8**	**44.7**	**49.4**	**49.2**	**45.5**	**43.4**	**46.8**
Hydro	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Of which : *exported to CEB*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
Thermal	18.6	19.9	26.9	30.8	44.7	49.3	49.1	45.5	43.4	46.8
Of which : *exported to CEB*	*10.1*	*10.6*	*16.7*	*21.7*	*33.8*	*37.2*	*38.3*	*35.0*	*33.5*	*36.8*
Coal (*Firm producers* [1])	0.8	1.7	4.1	9.8	18.2	21.6	23.0	20.8	18.8	23.5
Bagasse	9.4	8.9	12.6	11.9	15.7	15.5	15.3	14.2	14.7	13.3
Firm producers [1]	6.26	*4.7*	*5.3*	*7.0*	*9.4*	*9.6*	*8.8*	*8.5*	*8.8*	*8.1*
Continuous producers [2]	3.10	*4.2*	*7.3*	*4.9*	*6.3*	*5.9*	*6.6*	*5.8*	*5.9*	5.1
Total	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Island of Mauritius										
CEB	**88.8**	**88.2**	**81.2**	**75.8**	**61.6**	**57.1**	**56.5**	**60.4**	**62.3**	**58.5**
IPP export to CEB	**11.2**	**11.8**	**18.8**	**24.2**	**38.4**	**42.9**	**43.5**	**39.6**	**37.7**	**41.5**
Total available for sales	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**

[1] Producing electricity all year round with bagasse/coal

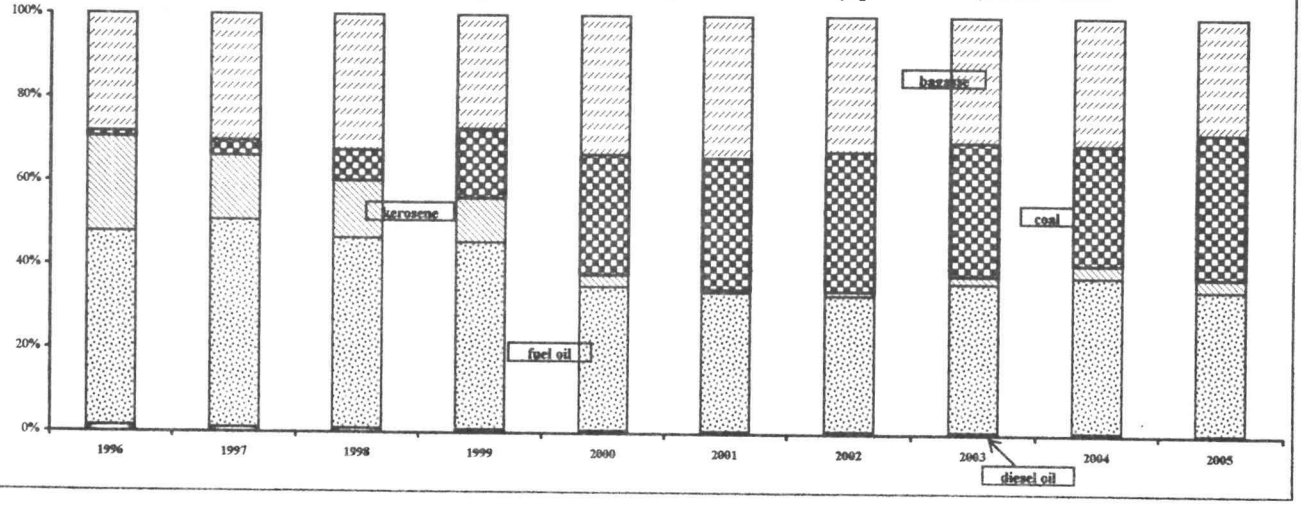
[2] Producing electricity with bagasse only during crop season

Table 3.7 - Fuel input for electricity production, 1996 - 2005

Fuel	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
						Tonne				
Island of Mauritius										
Fuel oil	145,398	160,798	176,006	190,683	171,343	181,009	174,945	200,067	215,290	210,144
Diesel oil	2,202	2,299	2,529	3,064	2,822	2,553	2,771	2,423	2,335	1,909
Kerosene	65,827	46,993	49,676	41,948	13,081	3,760	5,443	9,864	16,555	17,731
Coal	6,557	18,430	45,035	112,123	228,520	273,376	286,886	287,176	265,128	340,675
Bagasse[1]	533,000	597,200	766,400	714,000	1,021,500	1,142,500	1,081,661	1,046,794	1,092,823	1,055,742
Island of Rodrigues										
Fuel oil [2]	611	1,860	2,726	3,740	4,172	4,328	4,671	4,392	4,777	6,909
Diesel oil [2]	2,230	1,130	1,223	440	542	585	710	1,472	1,633	217
						Ktoe				
Island of Mauritius										
Fuel oil	139.6	154.4	169.0	183.1	164.5	173.8	167.9	192.1	206.7	201.7
Diesel oil	2.2	2.3	2.6	3.1	2.9	2.6	2.8	2.4	2.4	1.9
Kerosene	68.5	48.9	51.7	43.6	13.6	3.9	5.7	10.3	17.2	18.4
Coal	4.1	11.4	27.9	69.5	141.7	169.5	177.9	178.0	164.4	211.2
Bagasse[1]	85.3	95.6	122.6	114.2	163.4	182.8	173.1	167.5	174.9	168.9
Sub total	**299.6**	**312.5**	**373.7**	**413.5**	**486.1**	**532.6**	**527.3**	**550.3**	**565.5**	**602.2**
Island of Rodrigues										
Fuel oil [2]	0.6	1.8	2.6	3.6	4.0	4.2	4.5	4.2	4.6	6.6
Diesel oil [2]	2.3	1.1	1.2	0.4	0.5	0.6	0.7	1.5	1.6	0.2
Sub total	**2.8**	**2.9**	**3.9**	**4.0**	**4.6**	**4.7**	**5.2**	**5.7**	**6.2**	**6.9**
Total	**302.5**	**315.5**	**377.6**	**417.6**	**490.6**	**537.3**	**532.5**	**556.0**	**571.7**	**609.1**
						Percentage				
Island of Mauritius										
Fuel oil	46.2	48.9	44.7	43.8	33.5	32.3	31.5	34.5	36.2	33.1
Diesel oil	0.7	0.7	0.7	0.7	0.6	0.5	0.5	0.4	0.4	0.3
Kerosene	22.6	15.5	13.7	10.4	2.8	0.7	1.1	1.8	3.0	3.0
Coal	1.3	3.6	7.4	16.6	28.9	31.5	33.4	32.0	28.8	34.7
Bagasse [1]	28.2	30.3	32.5	27.4	33.3	34.0	32.5	30.1	30.6	27.7
Sub total	**99.1**	**99.1**	**99.0**	**99.0**	**99.1**	**99.1**	**99.0**	**99.0**	**98.9**	**98.9**
Island of Rodrigues										
Fuel oil [2]	0.2	0.6	0.7	0.9	0.8	0.8	0.8	0.8	0.8	1.1
Diesel oil [2]	0.7	0.4	0.3	0.1	0.1	0.1	0.1	0.3	0.3	0.0
Sub total	**0.9**	**0.9**	**1.0**	**1.0**	**0.9**	**0.9**	**1.0**	**1.0**	**1.1**	**1.1**
Total	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**

[1] *Estimates* [2] *Figures for 1996 &1997 are estimates*

Fig. 3.5 - Percentage share of fuel input for electricity production, 1996 - 2005



Section IV

Final energy consumption

Table 4.1 - Final energy consumption by sector (Energy unit), 1996 - 2005

ktoe

Sector	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
1. Manufacturing	292.2	311.8	299.3	240.2	249.9	262.4	249.2	262.3	259.3	248.6
2. Transport	285.5	291.4	309.2	326.0	355.9	372.3	364.1	390.2	408.7	418.6
3. Household	84.2	86.9	89.8	92.0	99.2	101.8	102.8	107.0	111.0	115.5
4. Commercial and Distributive Trade	26.0	29.1	32.3	34.1	36.9	40.8	41.7	47.7	51.5	55.7
5. Agriculture	3.9	3.9	4.4	4.3	4.8	4.8	4.8	4.8	4.4	4.7
6. Other (n.e.s) and losses	1.4	1.5	1.6	1.8	2.0	2.3	2.4	2.9	3.2	3.1
TOTAL	**693.1**	**724.5**	**736.6**	**698.3**	**748.6**	**784.4**	**765.0**	**814.9**	**838.1**	**846.1**

[1] Estimate

Table 4.2 - Percentage share of final energy consumption by sector, 1996 - 2005

%

Sector	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
1. Manufacturing	42.2	43.0	40.6	34.4	33.4	33.5	32.6	32.2	30.9	29.4
2. Transport	41.2	40.2	42.0	46.7	47.5	47.5	47.6	47.9	48.8	49.5
3. Household	12.1	12.0	12.2	13.2	13.3	13.0	13.4	13.1	13.2	13.6
4. Commercial and Distributive Trade	3.8	4.0	4.4	4.9	4.9	5.2	5.5	5.9	6.1	6.6
5. Agriculture	0.6	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.6
6. Other (n.e.s) and losses	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.4
TOTAL	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**

Fig. 4.1 - Final energy consumption by sector, 1996 - 2005

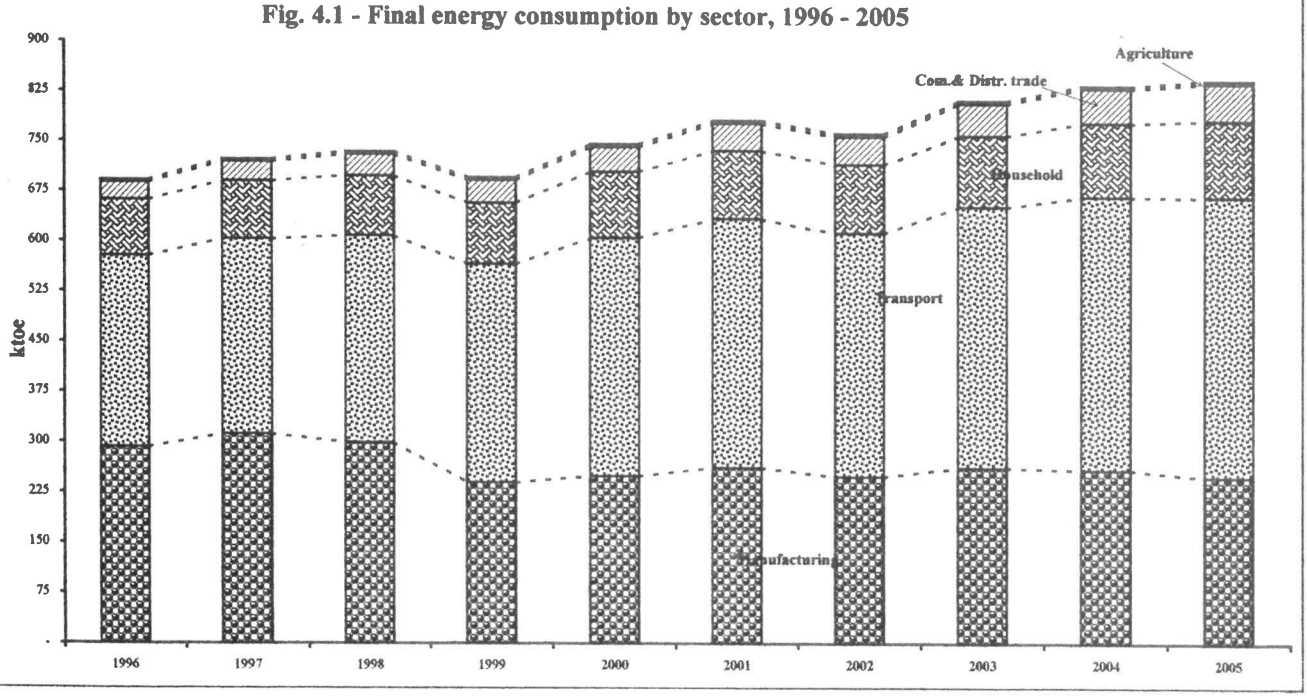


Table 4.3 - Final energy consumption by sector and type of fuel (Physical unit), 1996 - 2005

Sector	Unit	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
1. Manufacturing											
1.1 excluding bagasse											
Fuel oil	tonne	36,590	39,518	42,774	45,150	49,000	60,630	61,439	55,615	49,857	46,763
Diesel oil	tonne	23,367	26,622	30,233	32,650	41,600	37,533	37,409	41,273	43,372	41,127
LPG	tonne	2,761	3,179	3,276	3,600	3,689	3,650	3,502	2,964	2,756	3,904
Coal	tonne	33,727	27,242	25,713	24,490	24,464	25,781	25,888	29,000	24,220	23,162
Fuelwood [1]	tonne	3,400	2,500	2,000	1,800	1,500	1,500	1,450	1,430	1,415	1,400
Electricity	GWh	446.2	496.1	551.3	558.8	651.6	711.4	711.7	742.2	768.9	777
1.2 bagasse [1]	tonne	1,062,100	1,143,800	1,000,600	600,400	531,800	529,000	442,722	510,246	518,379	476,198
2. Transport											
Gasolene	tonne	87,387	87,671	88,592	89,500	92,000	87,749	87,507	89,242	90,350	92,673
LPG	tonne	-	-	263.51	485.00	633	820	1,216	2,223	2,691	6,726
Diesel oil	tonne	106,224	113,361	118,934	126,500	142,000	145,555	153,437	161,267	164,120	166,510
Jet fuel for local aircraft	tonne	80,569	79,025	89,537	97,126	108,082	124,652	108,972	123,627	137,002	137,560
3. Household											
Kerosene	tonne	10,504	9,533	9,472	9,100	9,600	9,480	8,409	8,265	8,726	9,765
LPG	tonne	30,437	32,313	32,837	34,700	37,710	37,850	39,023	40,559	42,856	43,206
Fuelwood [1]	tonne	23,200	20,900	19,000	16,400	16,000	15,900	15,850	15,780	15,940	16,540
Charcoal [1]	tonne	350	300	250	200	150	150	130	125	120	130
Electricity	GWh	364.5	394.9	431.2	449.6	491.9	522.8	532.5	564.6	575.0	607.6
4. Commercial and Distributive Trade											
LPG	tonne	3,356	3,650	4,000	4,500	4,150	4,450	4,559	5,749	6,372	6,985
Charcoal [1]	tonne	500	300	300	300	300	330	340	350	360	380
Electricity	GWh	256.3	290.3	322.3	337.4	374.8	415.5	424.9	479.3	516.2	556
5. Agriculture											
Diesel oil [1]	tonne	2,000	2,100	2,200	2,300	2,400	2,460	2,430	2,410	2,375	2,345
Electricity	GWh	21.3	20.5	25.3	22.5	27.2	26.8	27.5	27.0	23.8	27.1

[1] Estimates

Table 4.4 - Final energy consumption by sector and type of fuel (Energy unit), 1996 - 2005

ktoe

Sector	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
1. Manufacturing	**292.2**	**311.8**	**299.3**	**240.2**	**249.9**	**262.4**	**249.2**	**262.3**	**259.3**	**248.6**
1.1 excluding bagasse	**122.3**	**128.8**	**139.2**	**144.1**	**164.8**	**177.8**	**178.4**	**180.6**	**176.3**	**172.4**
Fuel oil	35.1	37.9	41.1	43.3	47.0	58.2	59.0	53.4	47.9	44.9
Diesel oil	23.6	26.9	30.5	33.0	42.0	37.9	37.8	41.7	43.8	41.5
LPG	3.0	3.4	3.5	3.9	4.0	3.9	3.8	3.2	3.0	4.2
Coal	20.9	16.9	15.9	15.2	15.2	16.0	16.1	18.0	15.0	14.4
Fuelwood [1]	1.3	1.0	0.8	0.7	0.6	0.6	0.6	0.5	0.5	0.5
Electricity	38.4	42.7	47.4	48.0	56.0	61.2	61.2	63.8	66.1	66.9
1.2 bagasse [1]	**169.9**	**183.0**	**160.1**	**96.1**	**85.1**	**84.6**	**70.8**	**81.6**	**82.9**	**76.2**
2. Transport	**285.5**	**291.4**	**309.2**	**326.0**	**355.9**	**372.3**	**364.1**	**390.2**	**408.7**	**418.6**
Gasolene	94.4	94.7	95.7	96.7	99.4	94.8	94.5	96.4	97.6	100.1
LPG	-	-	0.3	0.5	0.7	0.9	1.3	2.4	2.9	7.3
Diesel oil	107.3	114.5	120.1	127.8	143.4	147.0	155.0	162.9	165.8	168.2
Jet fuel for local aircraft	83.8	82.2	93.1	101.0	112.4	129.6	113.3	128.6	142.5	143.1
3. Household	**84.2**	**86.9**	**89.8**	**92.0**	**99.2**	**101.8**	**102.8**	**107.0**	**111.0**	**115.5**
Kerosene	10.9	9.9	9.9	9.5	10.0	9.9	8.7	8.6	9.1	10.2
LPG	32.9	34.9	35.5	37.5	40.7	40.9	42.1	43.8	46.3	46.7
Fuelwood [1]	8.8	7.9	7.2	6.2	6.1	6.0	6.0	6.0	6.1	6.3
Charcoal [1]	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Electricity	31.3	34.0	37.1	38.7	42.3	45.0	45.8	48.6	49.5	52.3
4. Commercial and Distributive Trade	**26.0**	**29.1**	**32.3**	**34.1**	**36.9**	**40.8**	**41.7**	**47.7**	**51.5**	**55.7**
LPG	3.6	3.9	4.3	4.9	4.5	4.8	4.9	6.2	6.9	7.5
Charcoal [1]	0.4	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3
Electricity	22.0	25.0	27.7	29.0	32.2	35.7	36.5	41.2	44.4	47.8
5. Agriculture	**3.9**	**3.9**	**4.4**	**4.3**	**4.8**	**4.8**	**4.8**	**4.8**	**4.4**	**4.7**
Diesel oil [1]	2.0	2.1	2.2	2.3	2.4	2.5	2.5	2.4	2.4	2.4
Electricity	1.8	1.8	2.2	1.9	2.3	2.3	2.4	2.3	2.0	2.3
6. Other (n.e.s) and losses	**1.4**	**1.5**	**1.6**	**1.8**	**2.0**	**2.3**	**2.4**	**2.9**	**3.2**	**3.1**
TOTAL	**693.1**	**724.5**	**736.6**	**698.3**	**748.6**	**784.4**	**765.0**	**814.9**	**838.1**	**846.1**

[1] Estimates

Table 4.5 - Percentage share of final energy consumption (ktoe) by sector and type of fuel, 1996 - 2005

%

Sector	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
1. Manufacturing	**41.6**	**42.4**	**40.2**	**34.4**	**33.4**	**33.5**	**32.6**	**32.2**	**30.9**	**29.4**
1.1 Excluding bagasse	**17.9**	**17.8**	**18.5**	**20.6**	**22.0**	**22.7**	**23.3**	**22.2**	**21.0**	**20.4**
Fuel oil	4.0	4.1	4.3	6.2	6.3	7.4	7.7	6.6	5.7	5.3
Diesel oil	2.7	2.9	3.2	4.7	5.6	4.8	4.9	5.1	5.2	4.9
LPG	0.3	0.4	0.4	0.6	0.5	0.5	0.5	0.4	0.4	0.5
Coal	2.4	1.8	1.7	2.2	2.0	2.0	2.1	2.2	1.8	1.7
Fuelwood	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Electricity	8.4	8.6	9.0	6.9	7.5	7.8	8.0	7.8	7.9	7.9
1.2 Bagasse	**23.7**	**24.6**	**21.6**	**13.8**	**11.4**	**10.8**	**9.3**	**10.0**	**9.9**	**9.0**
2. Transport	**32.3**	**31.1**	**32.1**	**46.7**	**47.5**	**47.5**	**47.6**	**47.9**	**48.8**	**49.5**
Gasolene	10.7	10.1	9.9	13.8	13.3	12.1	12.4	11.8	11.6	11.8
LPG	-	-	0.04	0.08	0.1	0.1	0.2	0.3	0.3	0.9
Diesel oil	12.1	12.2	12.5	18.3	19.2	18.7	20.3	20.0	19.8	19.9
Jet fuel for local aircraft	9.5	8.8	9.7	14.5	15.0	16.5	14.8	15.8	17.0	16.9
3. Household	**14.4**	**14.4**	**14.9**	**13.2**	**13.3**	**13.0**	**13.4**	**13.1**	**13.2**	**13.6**
Kerosene	1.2	1.1	1.0	1.4	1.3	1.3	1.1	1.1	1.1	1.2
LPG	3.7	3.7	3.7	5.4	5.4	5.2	5.5	5.4	5.5	5.5
Fuelwood	1.3	1.1	1.0	0.9	0.8	0.8	0.8	0.7	0.7	0.7
Charcoal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Electricity	9.1	9.3	9.8	5.5	5.6	5.7	6.0	6.0	5.9	6.2
4. Commercial and Distributive Trade	**6.8**	**7.3**	**7.8**	**4.9**	**4.9**	**5.2**	**5.5**	**5.9**	**6.1**	**6.6**
LPG	0.4	0.4	0.4	0.7	0.6	0.6	0.6	0.8	0.8	0.9
Charcoal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Electricity	6.4	6.8	7.4	4.2	4.3	4.6	4.8	5.1	5.3	5.7
5. Agriculture	**0.8**	**0.7**	**0.8**	**0.6**	**0.6**	**0.6**	**0.6**	**0.6**	**0.5**	**0.6**
Diesel oil	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Electricity	0.5	0.5	0.6	0.3	0.3	0.3	0.3	0.3	0.2	0.3
6. Other (n.e.s) and losses	**4.1**	**4.0**	**4.2**	**0.3**	**0.3**	**0.3**	**0.3**	**0.4**	**0.4**	**0.4**
TOTAL	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**

Table 4.6 - Final energy consumption by energy source, 1996 - 2005

Energy source	Unit	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
						Physical unit					
Gasolene	Thousand tonnes	87.4	87.7	88.6	89.5	92.0	87.7	87.5	89.2	90.4	92.7
Diesel Oil	"	131.6	142.1	151.4	161.5	186.0	185.5	193.3	205.0	209.9	210.0
Kerosene	"	10.5	9.5	9.5	9.1	9.6	9.5	8.4	8.3	8.7	9.8
Jet fuel for local aircraft	"	80.6	79.0	89.5	97.1	108.1	124.7	109.0	123.6	137.0	137.6
Fuel Oil	"	36.6	39.5	42.8	45.2	49.0	60.6	61.4	55.6	49.9	46.8
LPG	"	36.6	39.1	40.4	43.3	46.2	47.1	48.3	51.7	54.9	60.9
Coal	"	33.7	27.2	25.7	24.5	24.5	25.8	25.9	29.0	24.2	23.2
Electricity	GWh	1,103.9	1,218.7	1,347.5	1,388.2	1,570.5	1,699.8	1,721.1	1,844.1	1,918.8	2,003.8
Bagasse[1]	Thousand tonnes	1,062.1	1,143.8	1,000.6	600.4	531.8	529.0	442.7	510.2	518.4	476.2
Fuelwood [1]	"	26.6	23.4	21.0	18.2	17.5	17.4	17.3	17.2	17.4	17.9
Charcoal[1]	"	0.9	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5
						Energy unit					
Gasolene	ktoe	94.4	94.7	95.7	96.7	99.4	94.8	94.5	96.4	97.6	100.1
Diesel Oil	"	132.9	143.5	152.9	163.1	187.9	187.4	195.2	207.0	212.0	212.1
Kerosene	"	10.9	9.9	9.9	9.5	10.0	9.9	8.7	8.6	9.1	10.2
Jet fuel for local aircraft	"	83.8	82.2	93.1	101.0	112.4	129.6	113.3	128.6	142.5	143.1
Fuel Oil	"	35.1	37.9	41.1	43.3	47.0	58.2	59.0	53.4	47.9	44.9
LPG	"	39.5	42.3	43.7	46.9	50.0	50.8	52.5	55.8	59.2	65.7
Coal	"	20.9	16.9	15.9	15.2	15.2	16.0	16.1	18.0	15.0	14.4
Electricity	"	94.9	104.8	115.9	119.4	135.1	146.2	148.0	158.6	165.0	172.3
Bagasse	"	169.9	183.0	160.1	96.1	85.1	84.6	70.8	81.6	82.9	76.2
Fuelwood	"	10.1	8.9	8.0	6.9	6.7	6.6	6.6	6.5	6.6	6.8
Charcoal	"	0.6	0.4	0.4	0.4	0.3	0.4	0.3	0.4	0.4	0.4
Total	"	**693.1**	**724.5**	**736.6**	**698.3**	**749.0**	**784.5**	**765.0**	**814.9**	**838.1**	**846.1**
						Share					
Gasolene	%	13.6	13.1	13.0	13.8	13.3	12.1	12.4	11.8	11.6	11.8
Diesel Oil	"	19.2	19.8	20.8	23.4	25.1	23.9	25.5	25.4	25.3	25.1
Kerosene	"	1.6	1.4	1.3	1.4	1.3	1.3	1.1	1.1	1.1	1.2
Jet fuel for local aircraft	"	12.1	11.3	12.6	14.5	15.0	16.5	14.8	15.8	17.0	16.9
Fuel Oil	"	5.1	5.2	5.6	6.2	6.3	7.4	7.7	6.6	5.7	5.3
LPG	"	5.7	5.8	5.9	6.7	6.7	6.5	6.9	6.9	7.1	7.8
Coal	"	3.0	2.3	2.2	2.2	2.0	2.0	2.1	2.2	1.8	1.7
Electricity	"	13.7	14.5	15.7	17.1	18.0	18.6	19.3	19.5	19.7	20.4
Bagasse	"	24.5	25.3	21.7	13.8	11.4	10.8	9.3	10.0	9.9	9.0
Fuelwood	"	1.5	1.2	1.1	1.0	0.9	0.8	0.9	0.8	0.8	0.8
Charcoal	"	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Total	"	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**

[1] estimates

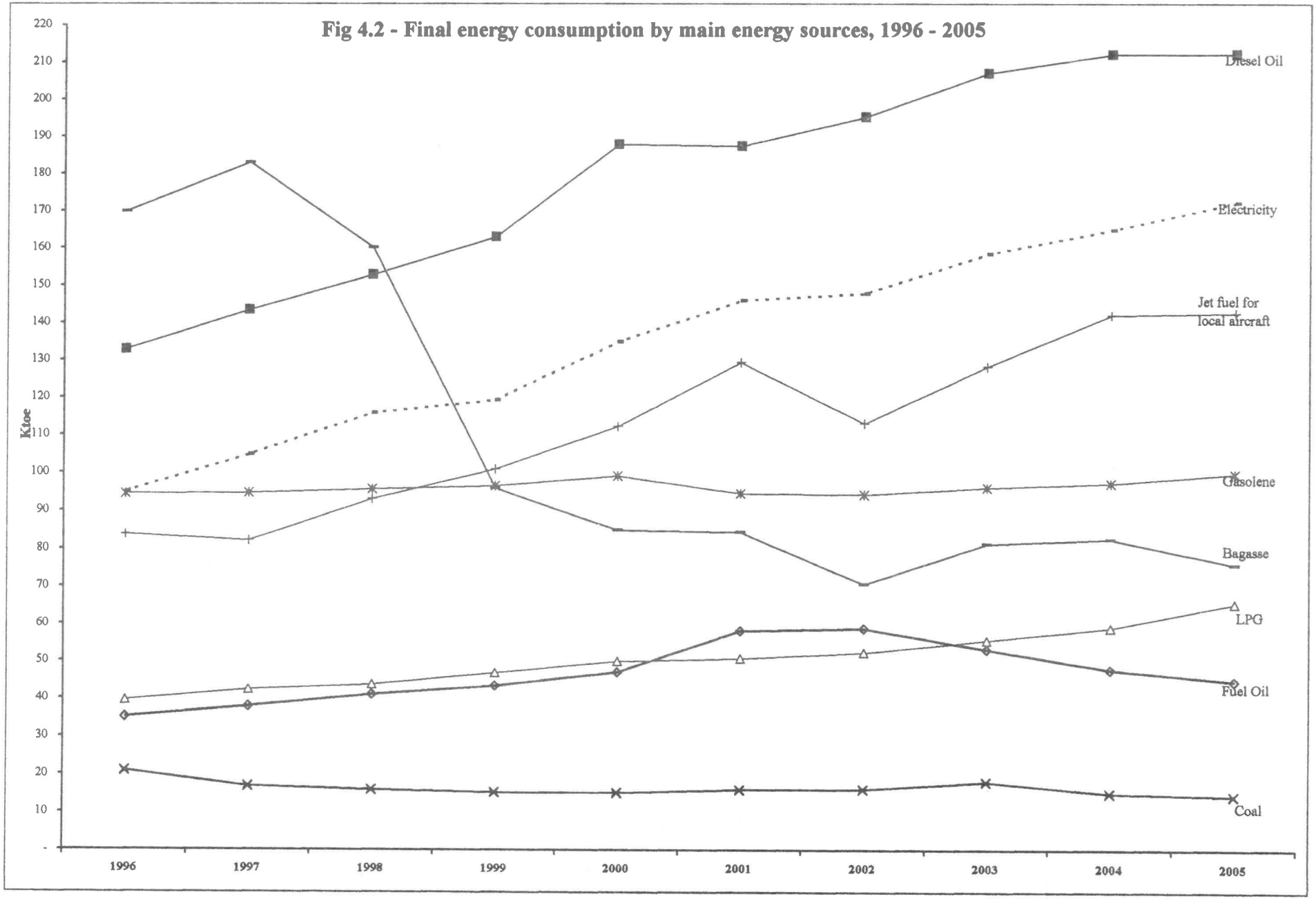


Fig 4.2 - Final energy consumption by main energy sources, 1996 - 2005
Ktoe
220
210
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
-
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
Diesel Oil
Electricity
Jet fuel for local aircraft
Gasolene
Bagasse
LPG
Fuel Oil
Coal

Table 4.7 - Sales of electricity by type of tariff, 1996 - 2005 (Republic of Mauritius)

Tariff group	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Number of consumers										
Domestic	253,157	261,204	269,981	279,432	288,520	297,051	303,620	311,523	319,425	328,726
Commercial	24,408	25,027	25,758	26,642	27,831	28,594	29,030	29,779	30,541	31,891
Industrial	6,647	6,701	6,854	7,090	7,008	7,084	7,164	7,218	7,205	7,316
Other	245	252	258	281	293	299	311	328	335	338
Total	**284,457**	**293,184**	**302,851**	**313,445**	**323,652**	**333,028**	**340,125**	**348,848**	**357,506**	**368,271**
GWh sold										
Domestic	364.5	394.9	431.2	449.6	491.9	522.8	532.5	564.6	575.0	607.6
Commercial	256.3	290.3	322.3	337.4	374.8	415.5	424.9	479.3	516.2	556.3
Industrial	359.6	385.3	419.5	437.2	485.8	505.0	527.9	552.0	577.9	577.2
Other	15.6	16.8	17.3	19.9	21.4	23.3	24.4	31.0	34.8	35.4
Total	**996.0**	**1,087.4**	**1,190.3**	**1,244.1**	**1,374.0**	**1,466.65**	**1,509.8**	**1,626.9**	**1,703.9**	**1,776.6**
Value sold (Rs.mn)										
Domestic	794.6	865.1	951.1	959.5	1,156.3	1,473.4	1,649.8	1,783.6	1,855.7	2,023.4
Commercial	670.9	769.6	810.8	823.8	1,038.5	1,411.4	1,707.7	1,928.6	2,091.6	2,302.7
Industrial	652.8	710.0	735.1	789.4	909.8	1,002.3	1,120.0	1,176.0	1,253.2	1,261.9
Other	43.9	50.8	52.3	56.9	66.3	83.7	104.5	134.6	151.6	158.6
Total	**2,162.2**	**2,395.6**	**2,549.4**	**2,629.5**	**3,171.0**	**3,970.79**	**4,582.0**	**5,022.8**	**5,352.1**	**5,746.6**
Average sales price (Rs./kWh)										
Domestic	2.18	2.19	2.21	2.13	2.35	2.82	3.10	3.16	3.23	3.33
Commercial	2.62	2.65	2.52	2.44	2.77	3.40	4.02	4.02	4.05	4.14
Industrial	1.82	1.84	1.75	1.81	1.87	1.98	2.12	2.13	2.17	2.19
Other	2.82	3.02	3.02	2.85	3.09	3.60	4.28	4.34	4.35	4.48
Total	**2.17**	**2.20**	**2.14**	**2.11**	**2.31**	**2.71**	**3.03**	**3.09**	**3.14**	**3.23**
Average no. of units per consumer (kWh)										
Domestic	1,440	1,512	1,597	1,609	1,705	1,760	1,754	1,812	1,800	1,848
Commercial	10,503	11,598	12,513	12,663	13,469	14,533	14,637	16,094	16,903	17,445
Industrial	54,102	57,505	61,202	61,668	69,320	71,290	73,695	76,476	80,204	78,899
Other	63,544	66,748	67,171	70,916	73,163	77,896	78,497	94,594	104,005	104,843
Total	3,501	3,709	3,930	3,969	4,245	4,404	4,439	4,664	4,766	4,824

Source: Central Electricity Board

Fig. 4.3 - Percentage distribution of electricity consumers by type of tariff, 2005

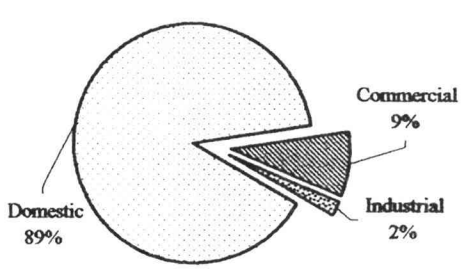


Fig. 4.4 - Percentage share of electricity consumed by type of tariff, 2005

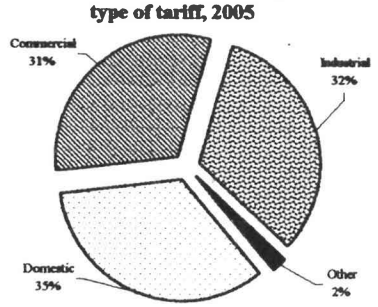


Fig. 4.5 - Percentage share of sales value of electricity by type of tariff, 2005

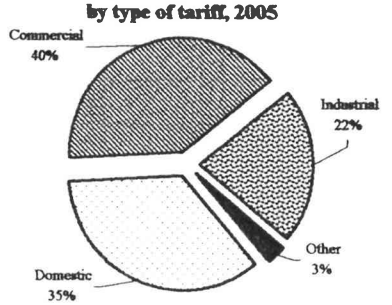


Fig. 4.6 - Sales of electricity by type of tariff, 1996 - 2005 (Republic of Mauritius)

Fig. 4.7 - Sales value of electricity by type of tariff, 1996 - 2005 (Republic of Mauritius)

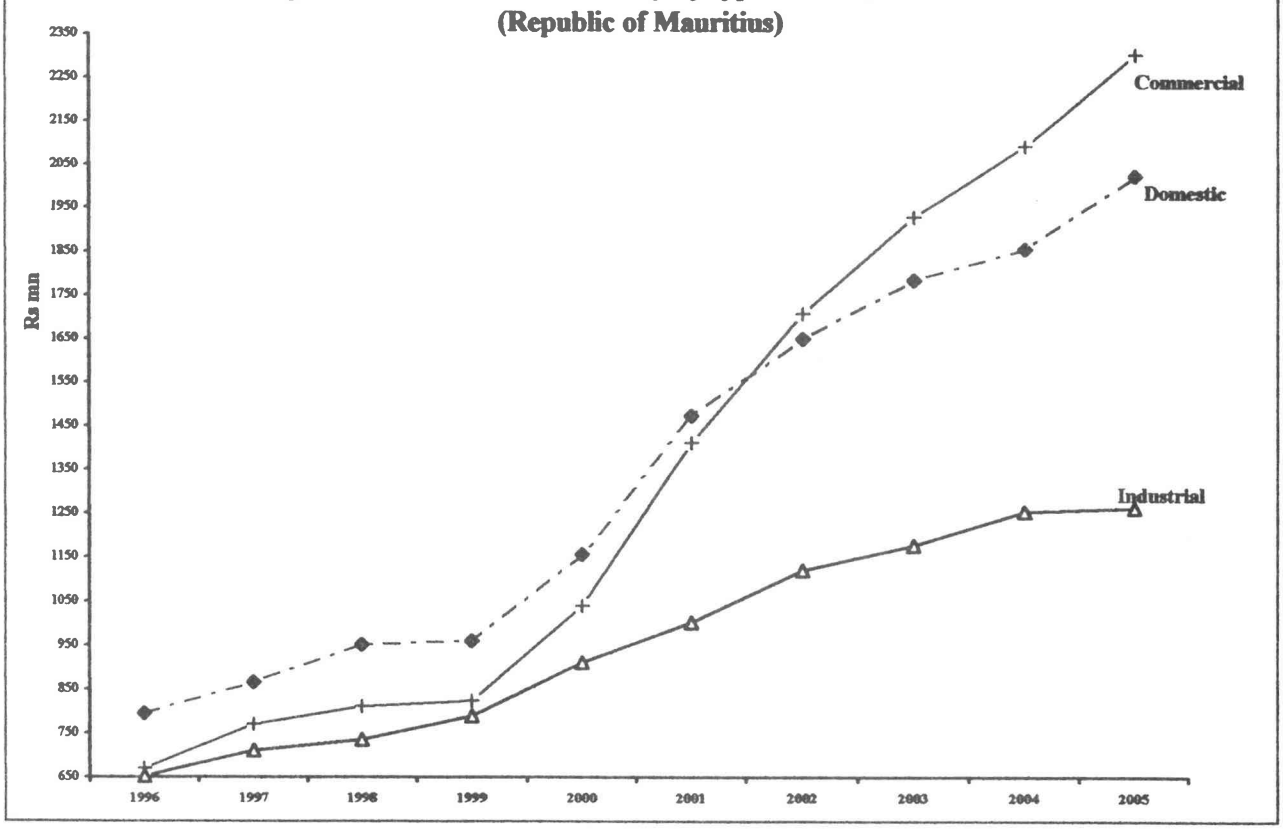


Table 4.8 - Sales of electricity by type of tariff, 1996 - 2005 (Island of Mauritius)

Tariff group	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Number of consumers										
Domestic	245,769	253,518	261,971	271,061	279,886	288,324	294,666	302,387	310,078	319,075
Commercial	23,631	24,216	24,914	25,730	26,915	27,655	28,054	28,797	29,552	30,866
Industrial	6,539	6,596	6,751	6,981	6,879	6,941	6,980	7,057	7,032	7,132
General	*6,269*	*6,308*	*6,342*	*6,419*	*6,531*	*6,624*	*6,662*	*6,681*	*6,629*	*6,710*
Irrigation	*270*	*288*	*409*	*562*	*348*	*317*	*318*	*376*	*403*	*422*
Other	239	246	251	257	283	293	305	322	328	331
Total	**276,178**	**284,576**	**293,887**	**304,029**	**313,963**	**323,213**	**330,005**	**338,563**	**346,990**	**357,404**
GWh sold										
Domestic	357.9	387.4	422.7	440.3	482.1	512.0	521.1	552.6	562.4	593.3
Commercial	253.6	287.1	318.6	333.5	370.7	411.0	419.7	473.0	509.2	548.1
Industrial	358.0	383.8	417.8	435.5	484.5	503.8	526.7	550.6	576.0	574.9
General	*336.7*	*363.2*	*392.5*	*413.1*	*457.3*	*477.1*	*499.2*	*523.7*	*552.4*	*548.2*
Irrigation	*21.3*	*20.5*	*25.3*	*22.5*	*27.2*	*26.7*	*27.4*	*26.9*	*23.7*	*26.8*
Other	15.6	16.8	17.3	19.9	21.2	23.1	24.2	30.8	34.5	35.0
Street Lighting	*13.5*	*14.7*	*15.0*	*17.6*	*19.2*	*20.9*	*21.8*	*27.6*	*30.6*	*31.6*
Temporary	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.4*
CEB	*2.0*	*2.0*	*2.2*	*2.2*	*1.9*	*2.0*	*2.2*	*3.0*	*3.8*	*3.0*
Total	**985.0**	**1,075.1**	**1,176.4**	**1,229.3**	**1,358.5**	**1,449.8**	**1,491.7**	**1,607.0**	**1,682.0**	**1,751.4**
Value sold (Rs.mn)										
Domestic	780.8	849.4	933.1	939.5	1,134.0	1,445.6	1,617.3	1,749.2	1,817.5	1,978.9
Commercial	662.5	760.3	799.7	811.9	1,024.8	1,393.0	1,683.1	1,899.3	2,057.5	2,263.1
Industrial	648.7	706.4	731.3	785.6	906.6	999.0	1,116.5	1,171.9	1,248.3	1,255.7
General	*619.5*	*677.6*	*688.5*	*724.9*	*868.8*	*960.7*	*1,071.9*	*1,128.1*	*1,208.8*	*1,209.9*
Irrigation	*29.2*	*28.8*	*42.8*	*60.7*	*37.8*	*38.3*	*44.6*	*43.8*	*39.5*	*45.9*
Other	43.8	50.7	52.3	56.8	65.7	82.9	103.5	133.5	150.0	156.5
Total	**2,135.9**	**2,366.8**	**2,516.4**	**2,593.8**	**3,131.1**	**3,920.6**	**4,520.3**	**4,953.9**	**5,273.3**	**5,654.2**
Average sales price (Rs./kWh)										
Domestic	2.18	2.19	2.21	2.13	2.35	2.82	3.10	3.17	3.23	3.34
Commercial	2.61	2.65	2.51	2.43	2.76	3.39	4.01	4.02	4.04	4.13
Industrial	1.81	1.84	1.75	1.80	1.87	1.98	2.12	2.13	2.17	2.18
General	*1.84*	*1.87*	*1.75*	*1.75*	*1.90*	*2.01*	*2.15*	*2.15*	*2.19*	*2.21*
Irrigation	*1.37*	*1.40*	*1.69*	*2.70*	*1.39*	*1.43*	*1.62*	*1.63*	*1.67*	*1.71*
Other	2.82	3.02	3.02	2.85	3.10	3.60	4.28	4.34	4.35	4.48
All tariff	**2.17**	**2.20**	**2.14**	**2.11**	**2.30**	**2.70**	**3.03**	**3.08**	**3.14**	**3.23**
Average no. of units per consumer (kWh)										
Domestic	1,456	1,528	1,613	1,624	1,723	1,776	1,769	1,828	1,814	1,860
Commercial	10,730	11,857	12,787	12,961	13,771	14,861	14,960	16,426	17,229	17,759
Industrial	54,753	58,181	61,894	62,389	70,430	72,589	75,455	78,022	81,917	80,613
General	*53,715*	*57,582*	*61,891*	*64,351*	*70,014*	*72,026*	*74,937*	*78,382*	*83,328*	*81,696*
Irrigation	*78,834*	*71,291*	*61,946*	*39,985*	*78,223*	*84,348*	*86,313*	*71,625*	*58,716*	*63,398*
Other	56,305	59,909	59,599	68,419	67,843	71,391	71,610	85,748	93,190	95,480
All consumers	**3,567**	**3,778**	**4,003**	**4,043**	**4,327**	**4,486**	**4,520**	**4,747**	**4,848**	**4,900**

Source: Central Electricity Board

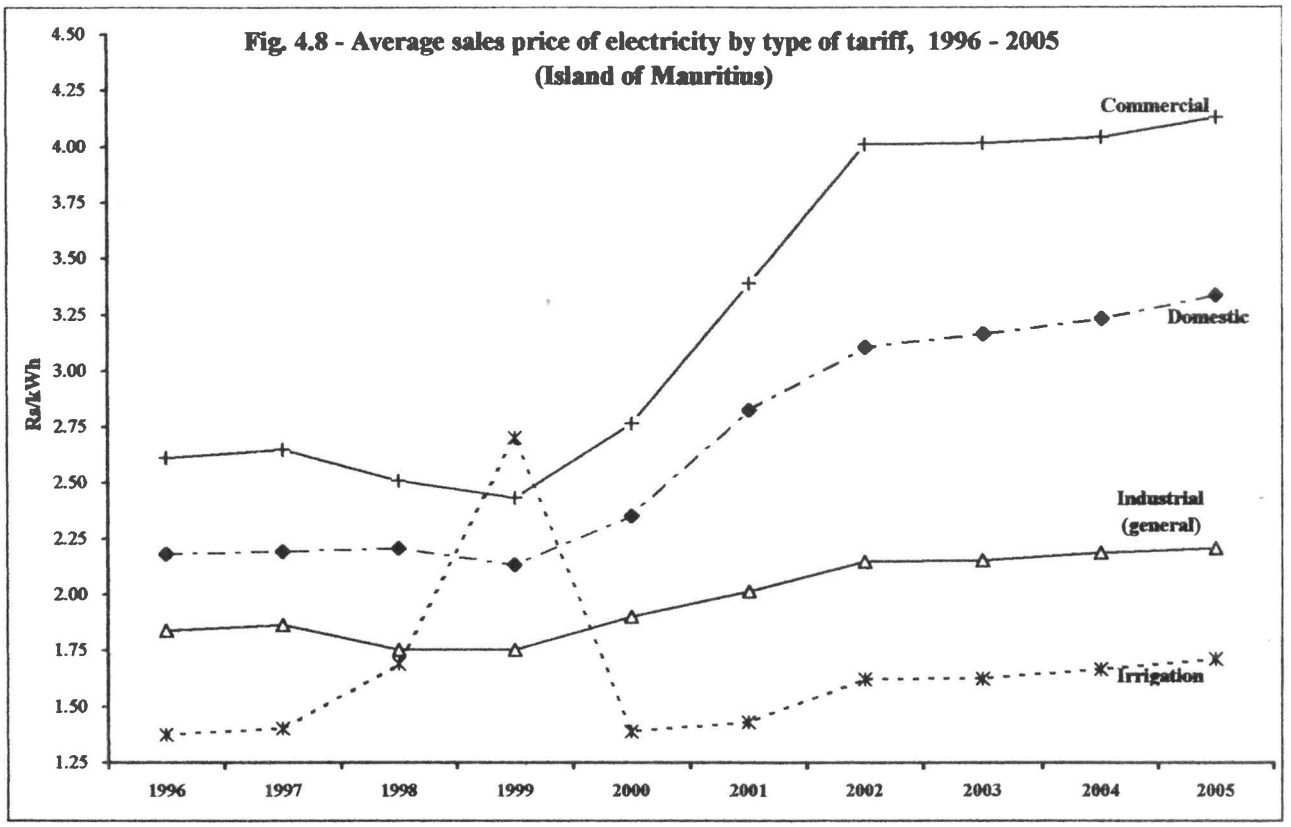


Fig. 4.8 - Average sales price of electricity by type of tariff, 1996 - 2005
(Island of Mauritius)
Rs/kWh
4.50
4.25
4.00
3.75
3.50
3.25
3.00
2.75
2.50
2.25
2.00
1.75
1.50
1.25
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
Commercial
Domestic
Industrial (general)
Irrigation

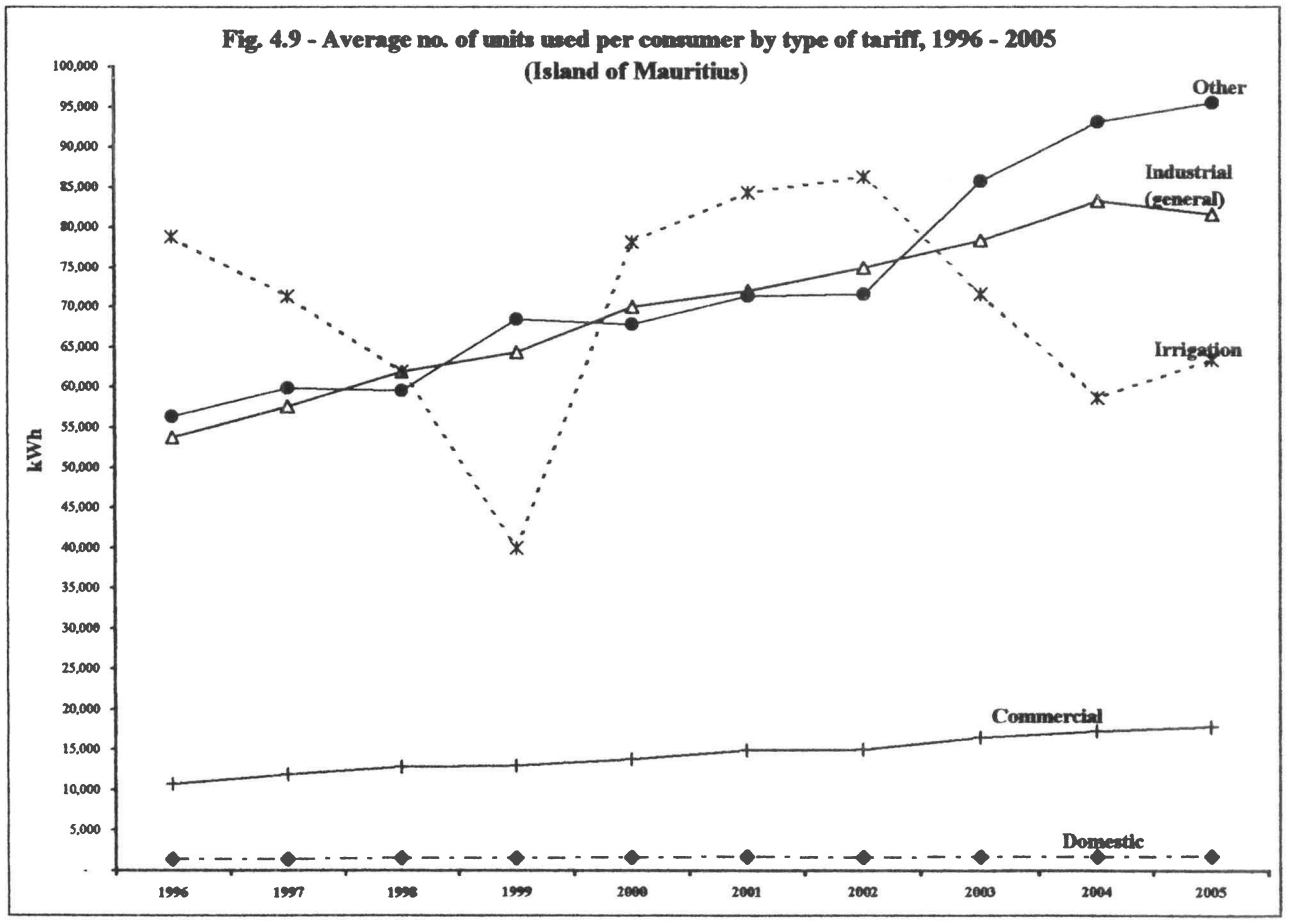


Fig. 4.9 - Average no. of units used per consumer by type of tariff, 1996 - 2005
(Island of Mauritius)
kWh
100,000
95,000
90,000
85,000
80,000
75,000
70,000
65,000
60,000
55,000
50,000
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
Other
Industrial (general)
Irrigation
Commercial
Domestic

Table 4.9 - Sales of electricity by type of tariff, 1996 - 2005(Island of Rodrigues)

Tariff group	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Number of consumers										
Domestic	7,388	7,686	8,010	8,371	8,634	8,727	8,954	9,136	9,347	9,651
Commercial	777	811	844	912	916	939	976	982	989	1,025
Industrial	108	105	103	109	129	143	184	161	173	184
Other	6	6	7	24	10	6	6	6	7	7
Total	**8,279**	**8,608**	**8,964**	**9,416**	**9,689**	**9,815**	**10,120**	**10,285**	**10,516**	**10,867**
GWh sold										
Domestic	6.6	7.5	8.5	9.3	9.8	10.8	11	12	13	14
Commercial	2.8	3.1	3.7	3.9	4.2	4.6	5	6	7	8
Industrial	1.6	1.6	1.6	1.7	1.3	1.2	1.3	1.4	1.8	2.3
Other	0.0	0.0	0.0	0.0	0.2	0.2	0	0	0	0
Total	**11.0**	**12.2**	**13.9**	**14.9**	**15.6**	**16.8**	**18.2**	**19.8**	**21.9**	**25.2**
Value sold (Rs.mn)										
Domestic	13.8	15.7	18.0	20.0	22.3	27.7	32	34	38	45
Commercial	8.4	9.4	11.2	11.9	13.7	18.4	25	29	34	40
Industrial	4.1	3.7	3.8	3.8	3.2	3.3	3.5	4.1	4.9	6.2
Other	0.0	0.0	0.1	0.0	0.7	0.8	1	1	2	2
Total	**26.3**	**28.8**	**33.0**	**35.7**	**39.9**	**50.2**	**61.7**	**68.9**	**78.8**	**92.4**
Average sales price (Rs./kWh)										
Domestic	2.10	2.10	2.11	2.15	2.27	2.56	2.85	2.88	3.02	3.12
Commercial	3.00	2.99	2.98	3.05	3.27	4.02	4.71	4.71	4.83	4.82
Industrial	2.58	2.31	2.33	2.25	2.47	2.77	2.75	2.90	2.71	2.68
Other	3.23	3.26	3.19	3.17	2.90	3.50	4.20	4.20	4.36	4.41
Average	**2.40**	**2.36**	**2.37**	**2.40**	**2.57**	**2.98**	**3.40**	**3.47**	**3.60**	**3.66**
Average no. of units per consumer (kWh)										
Domestic	891	975	1,065	1,110	1,137	1,243	1,274	1,309	1,352	1,477
Commercial	3,599	3,869	4,434	4,266	4,576	4,873	5,359	6,336	7,145	8,006
Industrial	14,714	15,065	15,862	15,496	10,180	8,242	6,902	8,727	10,539	12,474
Other	2,172	2,383	2,409	603	22,715	39,793	41,148	44,122	53,047	69,034
Average	**1,326**	**1,420**	**1,553**	**1,581**	**1,605**	**1,716**	**1,794**	**1,930**	**2,083**	**2,323**

Source: Central Electricity Board

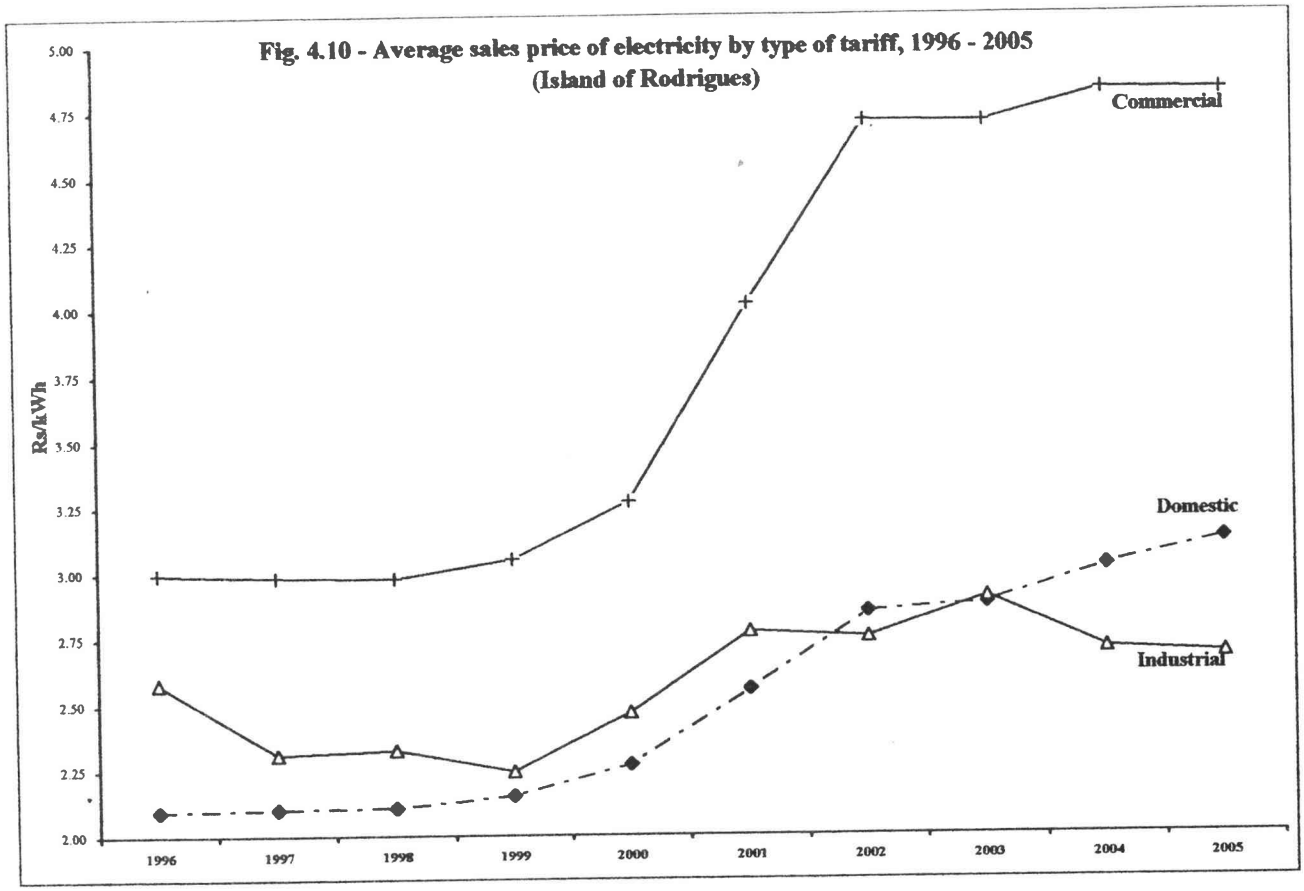


Fig. 4.10 - Average sales price of electricity by type of tariff, 1996 - 2005
(Island of Rodrigues)
Rs/kWh
5.00
4.75
4.50
4.25
4.00
3.75
3.50
3.25
3.00
2.75
2.50
2.25
2.00
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
Commercial
Domestic
Industrial

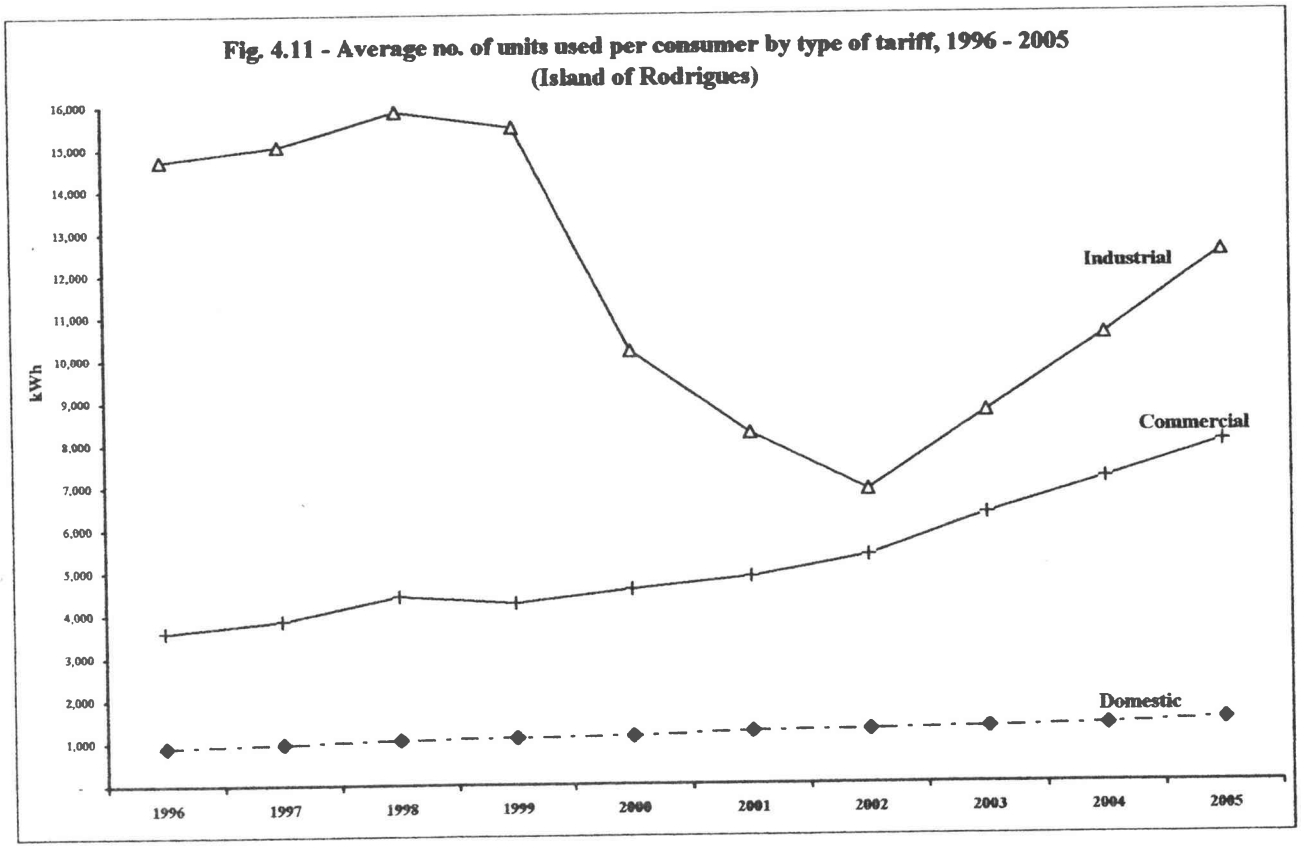


Fig. 4.11 - Average no. of units used per consumer by type of tariff, 1996 - 2005
(Island of Rodrigues)
kWh
16,000
15,000
14,000
13,000
12,000
11,000
10,000
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
-
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
Industrial
Commercial
Domestic

Section V

Energy data from Housing and Population Census

Table 5.1 - Housing units occupied by private households by geographical location of residence and availability of electricity - Housing and Population Census 1990 & 2000

Geographical location	Availability of electricity							
	1990				2000			
	Available	Not available	Not stated	Total	Available	Not available	Not stated	Total
Island of Mauritius								
Port Louis	28,877	544	35	29,456	32,281	420	15	32,716
Pamplemousses	20,088	660	8	20,756	29,980	343	5	30,328
Riviere du Rempart	17,446	634	18	18,098	24,512	224	15	24,751
Flacq	20,671	1,152	27	21,850	28,605	460	19	29,084
Grand Port	18,650	702	24	19,376	25,035	320	4	25,359
Savanne	11,626	599	17	12,242	15,855	186	3	16,044
Plaines Wilhems	70,563	726	44	71,333	93,917	550	27	94,494
Moka	12,624	411	21	13,056	17,653	151	12	17,816
Black River	9,415	421	8	9,844	17,308	437	7	17,752
Total	**209,960** *(97.2 %)*	**5,849** *(2.7 %)*	**202** *(0.1 %)*	**216,011** *(100.0%)*	**285,146** *(98.9 %)*	**3,091** *(1.1 %)*	**107** *(0.0 %)*	**288,344** *(100.0 %)*
Island of Rodrigues	5,334	2,465	11	7,810	8,530	703	21	9,254
Agalega	...	...	...	...	71	2	-	73
Republic of Mauritius	**215,294** *(96.2 %)*	**8,314** *(3.7 %)*	213 *(0.1 %)*	223,821 *(100.0%)*	293,747 *(98.7 %)*	**3,796** *(1.3 %)*	**128** *(0.0 %)*	**297,671** *(100.0 %)*

Table 5.2 - Private households by geographical location of residence and principal fuel used for cooking, 1990 & 2000

Geographical location	Principal fuel used for cooking						
	Wood	Charcoal	Kerosene	Electricity	Gas	Other	Total
Housing and Population Census 1990							
Island of Mauritius							
Port Louis	2,089	1,035	8,222	449	18,809	182	30,786
Pamplemousses	7,190	88	4,775	130	9,514	16	21,713
Riviere du Rempart	8,178	36	3,829	157	6,483	35	18,718
Flacq	12,061	37	3,887	136	7,636	32	23,789
Grand Port	7,441	15	5,224	192	8,266	52	21,190
Savanne	4,434	22	3,887	68	5,154	18	13,583
Plaines Wilhems	6,821	1,136	14,901	2,076	50,430	167	75,531
Moka	3,696	74	3,235	93	7,151	30	14,279
Black River	3,749	134	2,040	126	3,786	23	9,858
Total	**55,659**	**2,577**	**50,000**	**3,427**	**117,229**	**555**	**229,447**
	(24.3 %)	*(1.1%)*	*(21.8 %)*	*(1.5 %)*	*(51.1 %)*	*(0.2 %)*	*(100.0 %)*
Island of Rodrigues	4,011	10	1,262	200	1,779	16	7,278
Republic of Mauritius	**59,670**	**2,587**	**51,262**	**3,627**	**119,008**	**571**	**236,725**
	(25.2 %)	*(1.1 %)*	*(21.7 %)*	*(1.5 %)*	*(50.3 %)*	*(0.2 %)*	*(100.0%)*
Housing and Population Census 2000							
Island of Mauritius							
Port Louis	457	131	1,042	132	30,891	100	32,753
Pamplemousses	1,573	45	1,062	94	27,083	29	29,886
Riviere du Rempart	1,925	8	972	77	21,441	19	24,442
Flacq	3,166	36	1,144	71	26,270	26	30,713
Grand Port	1,511	20	1,300	121	23,665	59	26,676
Savanne	585	17	984	35	15,183	14	16,818
Plaines Wilhems	785	207	1,833	837	89,988	112	93,762
Moka	367	6	756	45	17,362	5	18,541
Black River	1,043	51	449	68	13,954	14	15,579
Total	**11,412**	**521**	**9,542**	**1,480**	**265,837**	**378**	**289,170**
	(4.0 %)	*(0.2 %)*	*(3.3 %)*	*(0.5 %)*	*(91.9 %)*	*(0.1 %)*	*(100.0 %)*
Island of Rodrigues	1,509	17	487	106	6,524	8	8,651
Agalega	2	-	-	-	58	-	60
Republic of Mauritius	**12,923**	**538**	**10,029**	**1,586**	**272,419**	**386**	**297,881**
	(4.3 %)	*(0.2 %)*	*(3.4 %)*	*(0.5 %)*	*(91.5 %)*	*(0.1 %)*	*(100.0%)*

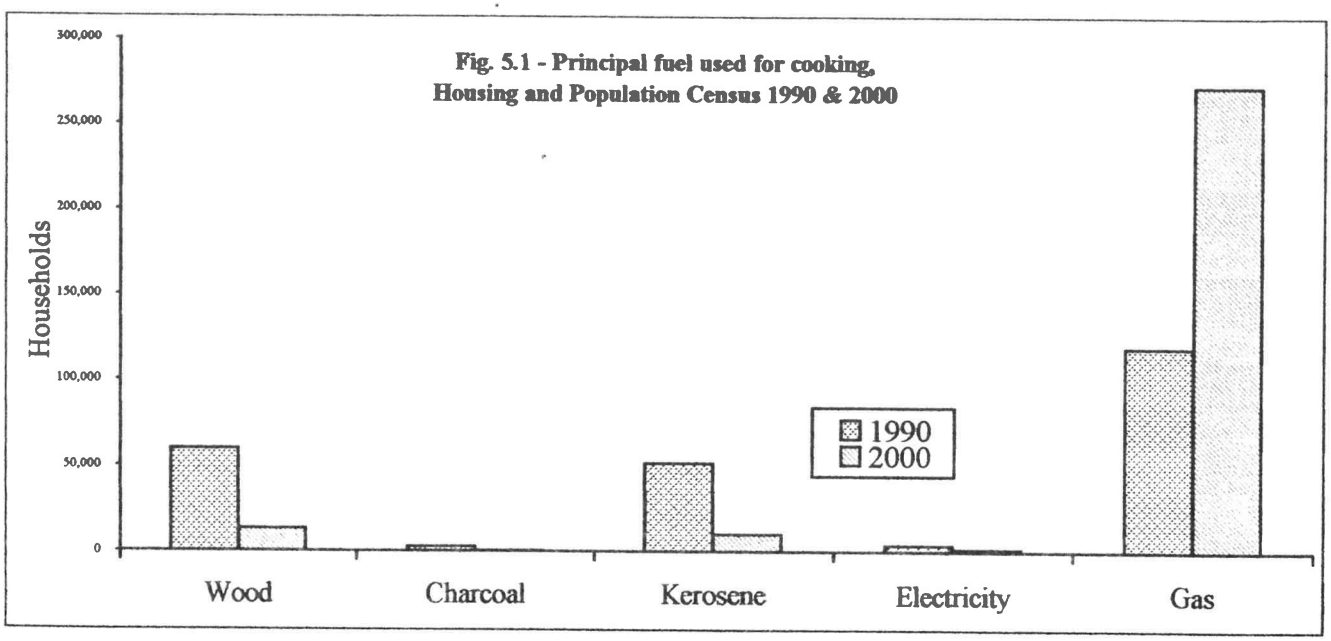


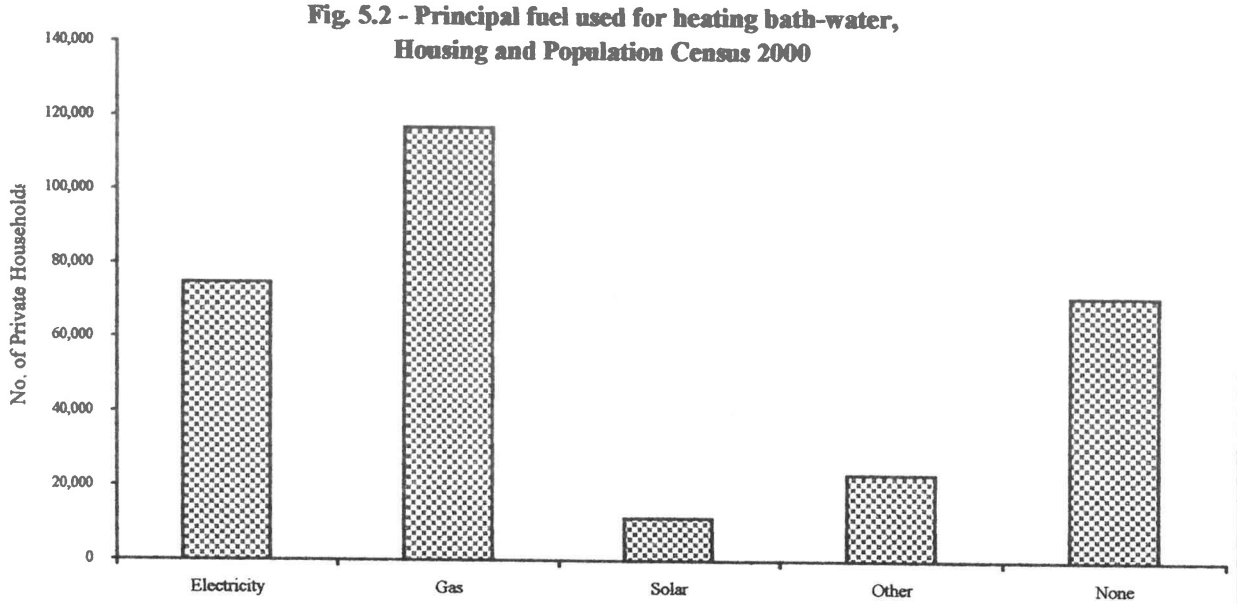
Table 5.3 - Private households by geographical location of residence and principal fuel used for heating bath-water[1] - Housing and Population Census 2000

Geographical location	Principal fuel used for heating bath-water					
	Electricity	Gas	Solar	Other	None[2]	Total
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
Total	**74,394**	**116,308**	**11,454**	**23,239**	**63,775**	**289,170**
	(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
Republic of Mauritius	**74,848**	**116,791**	**11,527**	**23,393**	**71,322**	**297,881**
	(25.1 %)	*(39.2 %)*	*(3.9 %)*	*(7.9 %)*	*(23.9 %)*	*(100.0 %)*

[1] *The water need not be heated in the bathroom*

[2] *Includes households where hot water is not regularly used for bathing*

Fig. 5.2 - Principal fuel used for heating bath-water, Housing and Population Census 2000



Section VI

Water Statistics

Table 6.1 - Water balance for *Island of Mauritius*, 2001 - 2005

	Unit	2001	2002	2003	2004	2005
Rainfall	Mm^3	**3,527**	**3,905**	**4,006**	**4,233**	**4,423**
Surface Runoff	Mm^3	2,116	2,343	2,403	2,540	2,654
Evapotranspiration	Mm^3	1,058	1,171	1,202	1,270	1,327
Net Recharge to Groundwater	Mm^3	353	391	401	423	442

Source : Water Resources Unit

Table 6.2 - Main water indicators, 2001 - 2005 (*Island of Mauritius*)

Details	Unit	2001	2002	2003	2004	2005
Mid-year population	thousand	1,164	1,174	1,186	1,197	1,206
Mean annual rainfall	millimetres	1,891	2,082	2,148	2,270	2,372
Potable water produced	Mm^3	175	177	184	185	195
Potable water consumed	Mm^3	85	86	90	90	94
Potable water produced per capita per day	litres	411	413	425	423	441
Potable water consumed per capita per day	litres	200	201	207	206	213

Table 6.3 - Mean rainfall, 2001 - 2005 *(Island of Mauritius)*

Millimetres

Period	Long Term Mean (1971-2000)	2001		2002		2003		2004		2005		Long Term Mean (1971-2000)	2001		2002		2003		2004		2005	
		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
	North											**South**										
Year	*1,341*	1,185	*88*	1166	*87*	1325	*99*	1495	*111*	1494	*111*	*2,557*	2,362	*92*	2537	*99*	2533	*99*	2794	*109*	2927	*114*
Jan	*186*	207	*111*	358	*192*	103	*55*	331	*178*	80	*43*	*290*	396	*137*	546	*188*	181	*62*	490	*169*	162	*56*
Feb	*245*	157	*64*	56	*23*	237	*97*	134	*55*	270	*110*	*366*	219	*60*	99	*27*	424	*116*	417	*114*	369	*101*
Mar	*161*	136	*84*	190	*118*	139	*86*	189	*117*	564	*350*	*325*	198	*61*	284	*87*	212	*65*	271	*83*	865	*266*
Apr	*165*	236	*143*	67	*41*	316	*192*	187	*113*	47	*28*	*280*	535	*191*	253	*90*	434	*155*	396	*141*	205	*73*
May	*107*	56	*52*	83	*78*	139	*130*	133	*124*	55	*51*	*212*	123	*58*	192	*91*	258	*122*	290	*137*	152	*72*
Jun	*72*	30	*42*	71	*99*	60	*83*	70	*97*	69	*96*	*157*	149	*95*	234	*149*	187	*119*	196	*125*	193	*123*
Jul	*73*	47	*64*	100	*137*	77	*105*	75	*103*	103	*141*	*180*	125	*69*	202	*112*	319	*177*	111	*62*	249	*138*
Aug	*68*	36	*53*	61	*90*	70	*103*	28	*41*	67	*99*	*180*	121	*67*	212	*118*	111	*62*	53	*29*	124	*69*
Sep	*44*	58	*132*	19	*43*	78	*177*	135	*307*	126	*286*	*112*	154	*138*	56	*50*	214	*191*	104	*93*	342	*305*
Oct	*41*	69	*168*	39	*95*	21	*51*	14	*34*	38	*93*	*96*	114	*119*	70	*73*	47	*49*	39	*41*	92	*96*
Nov	*47*	12	*26*	20	*43*	56	*119*	89	*189*	30	*64*	*110*	57	*52*	51	*46*	100	*91*	213	*194*	63	*57*
Dec	*132*	141	*107*	102	*77*	29	*22*	110	*83*	45	*34*	*249*	171	*69*	338	*136*	46	*18*	214	*86*	111	*45*
	East											**West**										
Year	*2,065*	2,046	*99*	2124	*103*	2403	*116*	2474	*120*	2435	*118*	*918*	833	91	1374	150	979	107	900	98	1079	118
Jan	*260*	300	*115*	588	*226*	136	*52*	464	*178*	167	*64*	*167*	181	*108*	793	*475*	93	*56*	270	*162*	82	*49*
Feb	*336*	241	*72*	135	*40*	352	*105*	355	*106*	448	*133*	*219*	145	*66*	103	*47*	192	*88*	189	*86*	207	*94*
Mar	*243*	179	*74*	260	*107*	265	*109*	231	*95*	657	*270*	*112*	86	*77*	90	*80*	83	*74*	118	*105*	515	*459*
Apr	*245*	362	*148*	157	*64*	579	*236*	364	*149*	141	*58*	*97*	149	*154*	32	*33*	319	*329*	72	*74*	39	*40*
May	*180*	152	*84*	184	*102*	229	*127*	226	*126*	144	*80*	*56*	18	*32*	31	*55*	83	*148*	30	*54*	40	*72*
Jun	*123*	116	*94*	136	*111*	142	*115*	147	*120*	195	*158*	*33*	24	*73*	68	*206*	36	*109*	35	*106*	16	*49*
Jul	*116*	104	*90*	181	*156*	216	*186*	107	*92*	191	*165*	*25*	23	*92*	32	*128*	47	*188*	17	*68*	24	*96*
Aug	*114*	81	*71*	117	*103*	117	*103*	51	*45*	95	*83*	*26*	28	*108*	21	*81*	29	*112*	8	*31*	28	*108*
Sep	*79*	134	*170*	51	*65*	173	*219*	152	*192*	220	*278*	*20*	29	*145*	6	*30*	23	*115*	14	*70*	83	*415*
Oct	*74*	97	*131*	68	*92*	34	*46*	42	*57*	58	*78*	*18*	54	*300*	27	*150*	6	*33*	7	*39*	14	*77*
Nov	*86*	52	*60*	35	*41*	97	*113*	154	*179*	44	*51*	*31*	4	*13*	7	*23*	27	*87*	33	*106*	13	*41*
Dec	*209*	228	*109*	212	*101*	63	*30*	181	*87*	75	*36*	*114*	92	*81*	164	*144*	41	*36*	107	*94*	18	*16*

Source: Mauritius Meteorological Services

Table 6.3 -Mean rainfall, 2001 - 2005 *(Island of Mauritius)* (cont'd)

Millimetres

Period	Long Term Mean (1971-2000)	2001		2002		2003		2004		2005		Long Term Mean (1971-2000)	2001		2002		2003		2004		2005	
		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
	Center											Whole Island										
Year	*2,790*	2,413	*86*	2,930	*105*	3,018	*108*	3,280	*118*	3,319	*119*	*2,006*	1,891	*94*	2,082	*104*	2,148	*107*	2,270	*113*	2,372	*118*
Jan	*354*	339	*96*	804	*227*	197	*56*	617	*174*	180	*51*	*261*	297	*114*	602	*231*	142	*54*	443	*170*	148	*57*
Feb	*464*	247	*53*	174	*38*	490	*106*	438	*94*	557	*120*	*336*	216	*64*	118	*35*	358	*107*	316	*94*	407	*121*
Mar	*337*	166	*49*	313	*93*	269	*80*	402	*119*	961	*285*	*242*	163	*67*	242	*100*	204	*84*	252	*104*	727	*300*
Apr	*293*	469	*160*	209	*71*	521	*178*	386	*132*	153	*52*	*221*	364	*165*	151	*68*	454	*205*	297	*134*	117	*53*
May	*210*	143	*68*	247	*118*	354	*169*	336	*160*	190	*91*	*159*	107	*67*	157	*99*	218	*137*	203	*128*	126	*79*
Jun	*163*	172	*106*	207	*127*	195	*120*	201	*123*	185	*114*	*115*	100	*87*	144	*125*	128	*111*	131	*114*	139	*121*
Jul	*181*	158	*87*	200	*110*	315	*174*	130	*72*	257	*142*	*120*	99	*83*	151	*126*	208	*173*	93	*78*	174	*145*
Aug	*192*	175	*91*	218	*114*	163	*85*	76	*40*	175	*91*	*122*	93	*76*	129	*106*	105	*86*	46	*38*	106	*87*
Sep	*126*	152	*121*	63	*50*	245	*194*	143	*113*	348	*276*	*81*	138	*170*	43	*53*	150	*185*	120	*148*	233	*288*
Oct	*102*	128	*125*	87	*85*	65	*64*	59	*58*	102	*100*	*70*	96	*137*	63	*90*	36	*51*	36	*51*	64	*91*
Nov	*105*	60	*57*	87	*83*	119	*113*	202	*192*	84	*80*	*80*	40	*50*	43	*54*	86	*108*	139	*174*	48	*60*
Dec	*263*	204	*78*	321	*122*	85	*32*	290	*110*	127	*48*	*199*	178	*89*	239	*120*	59	*30*	194	*97*	83	*42*

Source: Mauritius Meteorological Services

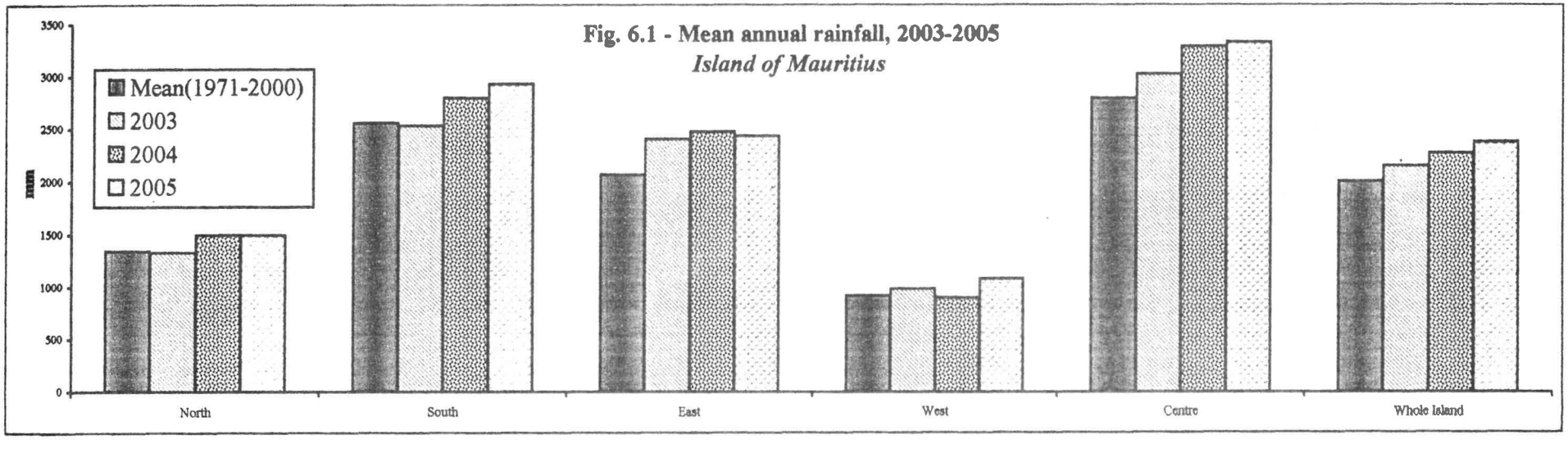


Table 6.4 - Mean rainfall, 2001 - 2005 (*Island of Rodrigues*)

Millimetres

Period	Long Term Mean (1971-2000)	2001		2002		2003		2004		2005	
		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
Pointe Canon											
Year	1,105	883	80	997	90	1,320	119	1,134	103	1,275	115
Jan	150	61	41	127	85	91	61	208	139	68	45
Feb	185	72	39	66	36	87	47	55	30	179	97
Mar	131	35	27	189	144	365	279	110	84	143	109
Apr	117	101	86	62	53	336	287	264	226	230	197
May	78	102	131	81	104	115	147	164	210	105	134
Jun	78	103	132	69	88	61	78	66	85	135	174
Jul	81	111	137	76	94	65	80	41	51	130	161
Aug	59	30	51	154	261	35	59	83	141	76	128
Sep	44	131	298	46	105	69	157	56	127	96	219
Oct	41	65	159	63	154	24	59	19	46	23	56
Nov	70	61	87	14	20	56	80	31	44	43	61
Dec	71	11	15	50	70	16	23	37	52	47	66
Plaine Corail											
Year	946	717	76	864	91	1,105	117	1,088	115	1,126	119
Jan	122	45	37	132	108	116	95	226	185	66	54
Feb	168	60	36	40	24	116	69	57	34	172	102
Mar	125	17	14	214	171	145	116	116	93	212	170
Apr	100	111	111	103	103	301	301	251	251	119	119
May	72	67	93	50	69	90	124	191	265	129	179
Jun	62	60	97	60	97	106	170	48	78	125	202
Jul	53	66	124	37	69	41	77	37	69	94	176
Aug	46	40	87	57	125	25	55	33	72	33	72
Sep	32	167	523	45	141	76	236	43	135	87	272
Oct	32	64	200	58	181	32	98	25	78	13	41
Nov	64	18	28	14	22	20	31	23	36	43	67
Dec	70	2	3	54	77	14	20	38	54	33	47

Source: Mauritius Meteorological Services

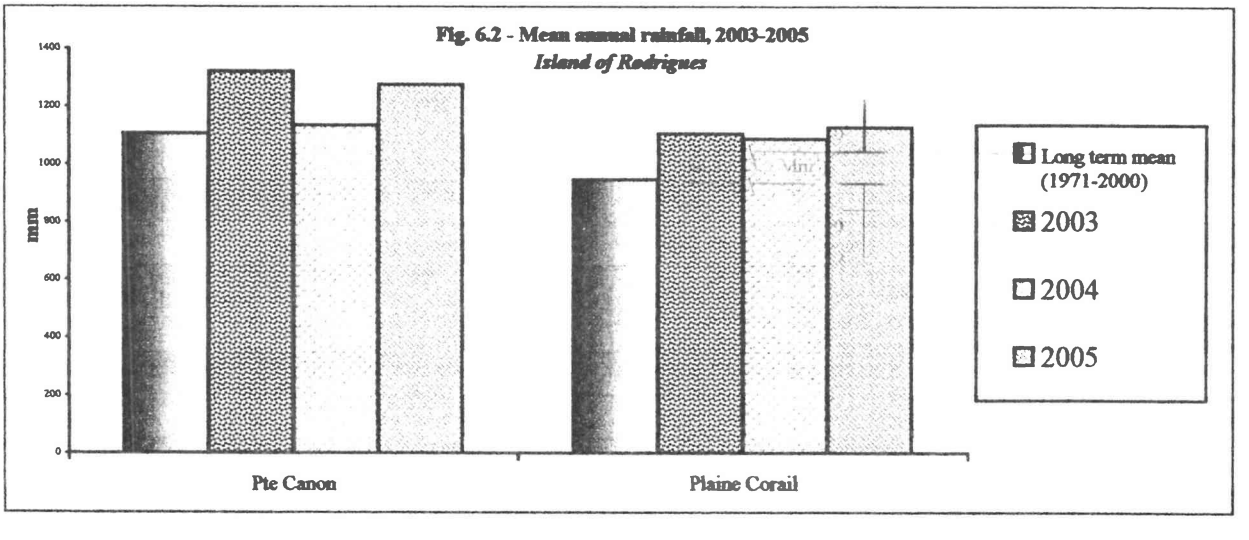


Table 6.5 - Percentage of water level by month and reservoir, 2001 - 2005 (*Island of Mauritius*)

Period	Average for 1990-1999 (%)	2001			2002			2003			2004			2005		
		Mean (%)	Min. (%)	Max. (%)	Mean (%)	Min. (%)	Max. (%)	Mean (%)	Min. (%)	Max. (%)	Mean (%)	Min. (%)	Max. (%)	Mean (%)	Min. (%)	Max. (%)
	Mare aux Vacoas (Capacity 25.89 Mm^3)															
Jan	60	69	65	72	62	48	84	69	66	73	74	65	79	53	50	56
Feb	65	73	70	74	82	80	84	77	68	85	84	79	90	56	50	61
Mar	80	69	65	73	85	80	87	84	81	86	96	92	98	78	60	100
Apr	83	75	64	85	87	85	89	88	83	91	98	96	99	97	95	98
May	83	81	78	85	88	87	89	97	92	99	98	97	99	93	92	95
Jun	81	77	75	79	90	89	93	94	92	95	96	95	97	93	92	94
Jul	79	77	75	79	95	93	96	97	94	98	96	94	98	96	91	98
Aug	80	81	76	83	97	96	98	97	95	98	90	85	94	95	93	96
Sep	78	76	73	79	96	93	98	97	95	98	80	76	85	95	93	98
Oct	72	68	65	72	88	83	92	93	88	97	70	64	76	96	92	99
Nov	63	61	57	65	78	73	82	83	79	88	62	59	64	86	80	91
Dec	58	51	47	56	72	70	73	72	65	78	58	55	60	75	69	80
	La Nicoliere (Capacity 5.26 Mm^3)															
Jan	63	64	39	100	78	28	100	40	36	44	82	54	100	82	66	93
Feb	75	97	91	100	97	93	100	68	45	93	100	100	100	88	61	100
Mar	91	100	99	100	99	96	100	93	84	100	100	100	100	100	95	100
Apr	92	100	99	100	90	78	98	100	97	100	100	100	100	92	81	100
May	95	98	95	100	72	61	79	98	89	100	100	100	100	76	68	83
Jun	94	89	82	99	79	63	91	67	38	88	100	98	100	71	58	85
Jul	93	90	84	95	98	92	100	55	28	96	100	99	100	82	75	88
Aug	94	98	90	100	99	96	100	79	52	100	84	62	99	71	65	77
Sep	89	84	73	91	84	55	98	48	29	82	71	56	96	82	66	94
Oct	69	50	40	71	38	31	54	69	50	92	74	63	95	71	65	77
Nov	46	41	34	44	25	19	31	75	63	91	79	65	92	75	52	81
Dec	39	26	23	33	31	20	40	69	49	88	71	61	81	43	37	53
	Piton du Milieu (Capacity 2.99 Mm^3)															
Jan	64	67	60	75	74	40	100	69	65	74	77	46	100	74	70	75
Feb	72	75	74	76	99	99	100	90	74	100	100	99	100	85	69	100
Mar	88	75	72	76	99	98	100	99	97	100	100	99	100	100	99	100
Apr	89	90	71	100	98	95	100	100	98	100	100	99	100	98	93	100
May	91	96	92	99	98	95	99	100	98	100	99	98	100	89	85	93
Jun	86	95	92	99	99	98	100	97	94	99	94	91	98	85	83	86
Jul	83	95	93	98	99	98	100	99	98	100	97	92	99	95	85	100
Aug	83	97	93	100	99	97	100	99	97	100	83	73	91	94	89	98
Sep	81	87	81	93	96	88	99	97	95	100	67	65	73	96	89	100
Oct	73	71	65	80	80	74	88	89	79	97	63	58	66	96	88	99
Nov	60	58	50	64	66	58	73	70	64	79	57	55	59	79	71	88
Dec	57	43	39	49	59	55	67	54	45	64	63	57	73	64	56	70

Source: Water Resources Unit

Table 6.5 - Percentage of water level by month and reservoir, 2001 - 2005 (*Island of Mauritius*) (cont'd)

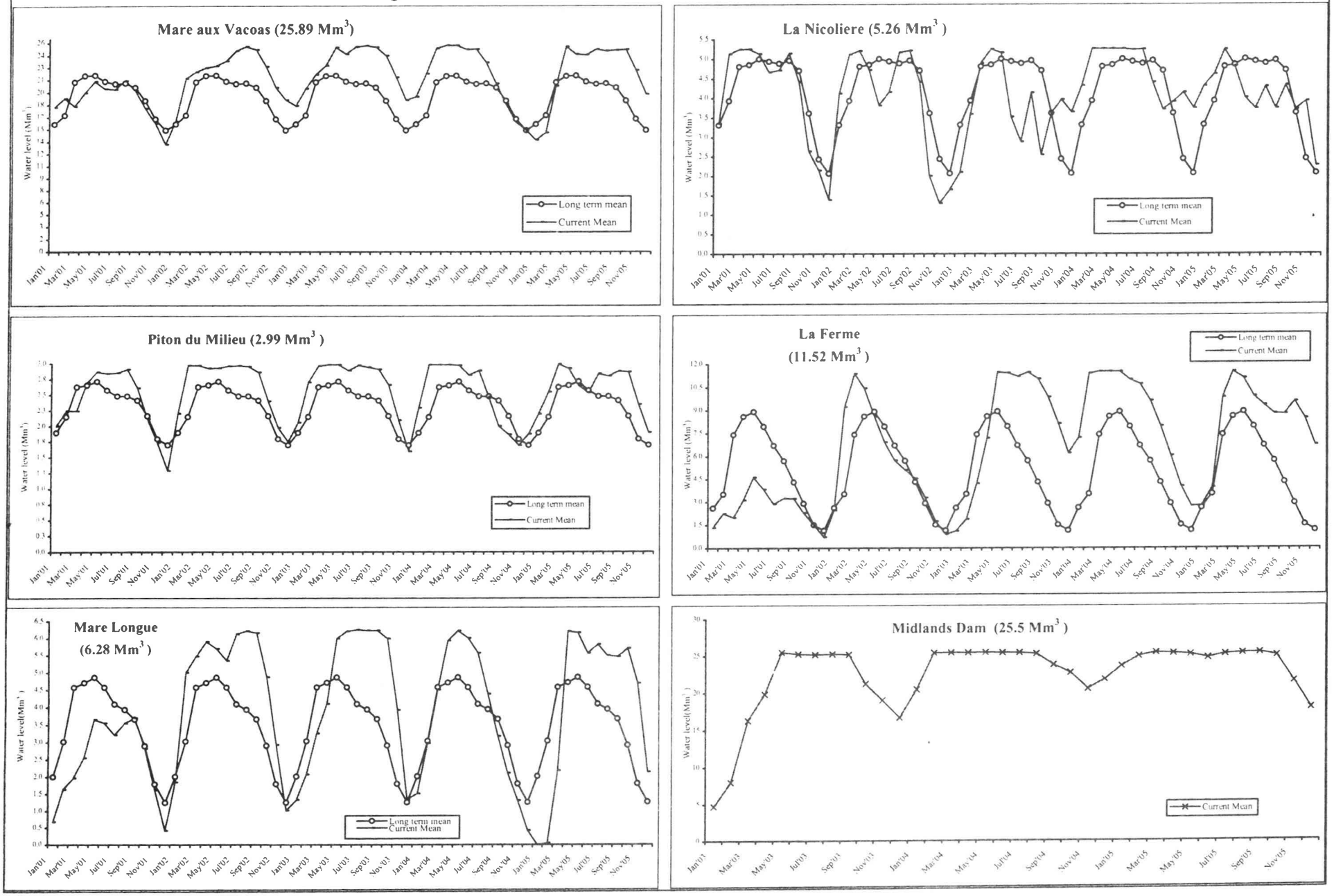
Period	Average for 1990-1999 (%)	2001			2002			2003			2004			2005		
		Mean (%)	Min. (%)	Max. (%)	Mean (%)	Min. (%)	Max. (%)	Mean (%)	Min. (%)	Max. (%)	Mean (%)	Min. (%)	Max. (%)	Mean (%)	Min. (%)	Max. (%)
	La Ferme (Capacity 11.52 Mm^3)															
Jan	23	12	9	17	21	3	55	10	9	11	63	45	86	24	22	25
Feb	30	20	17	22	80	58	95	16	8	29	99	88	100	34	21	51
Mar	64	17	14	20	99	95	100	36	30	43	100	100	100	86	52	100
Apr	75	27	13	46	91	83	98	62	43	92	100	100	100	100	100	100
May	77	40	37	44	75	66	82	100	94	100	100	100	100	96	91	100
Jun	69	33	29	37	60	54	66	99	96	100	95	91	100	86	82	90
Jul	58	25	22	28	50	46	54	97	94	100	93	88	96	81	80	82
Aug	49	28	22	30	44	42	46	99	98	100	84	79	88	76	72	80
Sep	37	28	25	29	39	35	43	96	93	98	69	61	79	76	72	82
Oct	25	20	17	25	29	21	35	86	80	93	53	43	61	83	81	85
Nov	13	13	10	17	15	10	21	71	63	79	35	29	42	74	66	81
Dec	10	6	4	10	8	5	10	54	44	62	24	22	28	58	50	66
	Mare Longue (Capacity 6.28 Mm^3)															
Jan	32	11	5	18	29	3	76	21	19	22	24	4	36	0	0	0
Feb	48	26	18	32	80	76	84	33	16	47	47	37	57	1	0	4
Mar	73	31	28	33	87	83	90	52	48	57	72	58	84	34	4	94
Apr	75	41	27	56	94	90	97	65	57	74	95	84	99	99	94	100
May	77	58	57	61	91	82	96	96	76	100	99	98	100	98	94	100
Jun	73	57	54	61	85	82	93	99	98	100	96	93	98	89	86	94
Jul	65	51	47	54	98	93	99	100	98	100	89	79	95	93	88	95
Aug	63	56	47	59	99	99	99	99	98	100	70	60	79	87	83	92
Sep	58	59	54	61	98	94	99	99	98	100	50	43	60	87	83	93
Oct	46	45	35	53	78	62	93	96	85	99	33	26	42	91	86	93
Nov	28	26	16	35	46	27	61	63	43	84	21	17	25	75	59	86
Dec	20	7	1	15	16	11	25	21	4	42	7	0	17	34	12	57
	All reservoirs, *excluding Midlands Dam* (Capacity 51.94 Mm^3)															
Jan	49	48	42	56	51	30	79	47	45	49	66	51	78	44	41	47
Feb	56	58	55	60	84	77	89	58	47	70	86	79	90	50	40	58
Mar	77	56	53	59	91	86	93	71	69	74	95	91	97	76	38	98
Apr	82	64	52	75	90	85	93	81	74	91	98	97	99	97	95	99
May	83	71	69	75	84	80	88	97	92	99	99	98	99	93	91	95
Jun	79	67	64	71	82	78	87	93	89	96	96	94	98	88	87	91
Jul	75	65	62	67	86	83	88	93	88	98	95	91	97	91	87	92
Aug	73	69	63	71	86	84	87	96	92	99	85	78	91	87	84	90
Sep	68	65	60	68	82	76	86	92	90	95	72	70	77	89	84	93
Oct	58	53	48	60	68	61	76	89	86	94	62	55	70	90	87	93
Nov	46	44	39	48	54	47	60	76	70	85	52	50	54	80	71	86
Dec	41	33	29	38	46	43	50	60	50	70	46	43	50	62	55	70

Midlands Dam (Capacity 25.5 Mm^3)

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2003	Mean (%)	24	49	70	90	100	100	99	100	100	94	81	69
	Min. (%)	19	31	64	78	100	99	99	99	99	83	74	65
	Max. (%)	31	63	78	100	100	100	100	100	100	99	83	74
2004	Mean (%)	80	100	100	100	100	100	100	99	94	89	81	86
	Min. (%)	66	96	99	99	100	99	99	99	89	85	79	81
	Max. (%)	96	100	100	100	100	100	100	99	99	91	84	90
2005	Mean (%)	93	98	100	100	99	97	99	100	100	98	85	70
	Min. (%)	91	94	100	99	96	94	96	99	100	93	80	59
	Max. (%)	94	100	100	100	100	99	100	100	100	100	92	80

Source: Water Resources Unit

Fig. 6.3 - Water level in each reservoir for 2001 - 2005, (Island of Mauritius)



Note: Impounding of Midlands Dam started in September 2002

Table 6.6 - Average monthly potable water production (Mm^3) from treatment plants and boreholes to distribution systems, 2001 - 2005 (*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	Total	Surface	Borehole	Total	Surface	Borehole	Total	Surface	Borehole	Total	Surface	Borehole	Total	Surface	Borehole	Total	Surface	Borehole	Total	Surface	Borehole
	Mm^3																						
2001	**30.8**	**5.8**	**36.6**	**0.1**	**25.5**	**25.6**	**21.4**	**10.5**	**32.0**	**11.1**	**25.1**	**36.2**	**7.9**	**14.7**	**22.6**	**8.8**	**12.8**	**21.6**	**80.1**	**94.6**	**174.7**	**46%**	**54%**
Jan	2.6	0.5	**3.1**	0.0	2.1	**2.1**	1.8	0.9	**2.8**	0.9	2.1	**3.0**	0.6	1.2	**1.9**	0.7	1.0	**1.8**	6.6	8.0	**14.6**	45%	55%
Feb	2.4	0.4	**2.9**	0.0	2.1	**2.1**	1.7	0.8	**2.5**	0.8	1.9	**2.7**	0.7	1.1	**1.8**	0.7	1.0	**1.6**	6.3	7.3	**13.6**	46%	54%
Mar	2.8	0.5	**3.3**	0.0	2.3	**2.3**	1.9	0.8	**2.7**	0.9	2.1	**3.1**	0.6	1.2	**1.9**	0.7	1.0	**1.8**	7.0	8.0	**14.9**	47%	53%
Apr	2.4	0.5	**2.9**	0.0	2.2	**2.2**	1.8	1.0	**2.8**	0.9	2.1	**3.0**	0.6	1.2	**1.8**	0.7	1.0	**1.8**	6.4	8.0	**14.4**	45%	55%
May	2.6	0.5	**3.1**	0.0	2.3	**2.3**	2.0	0.9	**2.9**	0.9	2.0	**3.0**	0.7	1.2	**1.9**	0.8	1.1	**1.9**	7.0	8.0	**15.0**	46%	54%
Jun	2.6	0.5	**3.1**	0.0	2.2	**2.2**	1.9	0.9	**2.8**	0.9	2.2	**3.1**	0.7	1.2	**1.8**	0.7	1.1	**1.8**	6.8	8.1	**14.8**	46%	54%
Jul	2.7	0.5	**3.2**	0.0	2.2	**2.2**	2.0	0.7	**2.7**	1.0	2.2	**3.2**	0.7	1.2	**2.0**	0.7	1.1	**1.8**	7.1	8.1	**15.2**	47%	53%
Aug	2.7	0.5	**3.2**	0.0	2.2	**2.3**	2.0	0.9	**2.8**	1.0	2.2	**3.2**	0.7	1.7	**2.3**	0.7	1.1	**1.8**	7.0	8.6	**15.6**	45%	55%
Sep	2.7	0.5	**3.2**	0.0	2.1	**2.1**	1.9	0.9	**2.8**	1.0	2.1	**3.1**	0.7	1.1	**1.8**	0.7	1.1	**1.7**	6.9	7.7	**14.6**	47%	53%
Oct	2.6	0.5	**3.0**	0.0	2.0	**2.0**	1.7	0.9	**2.6**	1.0	2.1	**3.1**	0.7	1.2	**1.8**	0.9	1.1	**2.0**	6.8	7.9	**14.6**	46%	54%
Nov	2.3	0.5	**2.7**	0.0	1.9	**1.9**	1.5	0.9	**2.4**	0.9	2.0	**2.9**	0.7	1.1	**1.8**	0.8	1.1	**1.9**	6.0	7.5	**13.6**	45%	55%
Dec	2.5	0.4	**3.0**	0.0	1.8	**1.9**	1.3	0.9	**2.2**	0.9	2.0	**3.0**	0.7	1.1	**1.8**	0.7	1.1	**1.8**	6.2	7.4	**13.6**	45%	55%
2002	**30.0**	**6.0**	**36.0**	**0.1**	**26.5**	**26.6**	**19.6**	**12.0**	**31.7**	**14.2**	**23.8**	**38.0**	**8.5**	**14.0**	**22.5**	**9.2**	**13.1**	**22.3**	**81.7**	**95.4**	**177.1**	**46%**	**54%**
Jan	2.5	0.5	**2.9**	0.0	2.1	**2.1**	1.7	1.0	**2.7**	1.0	2.0	**3.1**	0.7	1.2	**1.9**	0.7	1.1	**1.8**	6.6	7.9	**14.5**	46%	54%
Feb	2.2	0.5	**2.7**	0.0	2.1	**2.1**	1.6	1.0	**2.5**	1.0	2.0	**3.0**	0.7	1.1	**1.8**	0.7	1.0	**1.8**	6.2	7.7	**13.9**	45%	55%
Mar	2.5	0.5	**3.0**	0.0	2.4	**2.4**	1.9	1.1	**3.0**	1.1	2.3	**3.4**	0.7	1.2	**1.9**	0.8	1.1	**1.9**	7.0	8.5	**15.6**	45%	55%
Apr	2.3	0.5	**2.8**	0.0	2.2	**2.2**	1.9	1.0	**2.8**	1.1	2.0	**3.2**	0.7	1.2	**1.9**	0.8	1.0	**1.8**	6.7	7.9	**14.6**	46%	54%
May	2.3	0.5	**2.8**	0.0	2.3	**2.3**	2.0	0.8	**2.7**	1.2	2.1	**3.3**	0.7	1.1	**1.8**	0.8	1.0	**1.9**	7.1	7.8	**14.8**	48%	52%
Jun	2.4	0.5	**2.8**	0.0	2.2	**2.2**	1.9	0.7	**2.6**	1.1	2.0	**3.1**	0.6	1.1	**1.7**	0.8	1.0	**1.8**	6.8	7.5	**14.3**	48%	52%
Jul	2.5	0.5	**2.9**	0.0	2.3	**2.3**	1.9	0.8	**2.7**	1.2	2.0	**3.2**	0.7	1.1	**1.8**	0.8	1.0	**1.8**	7.1	7.6	**14.7**	48%	52%
Aug	2.5	0.5	**3.0**	0.0	2.2	**2.2**	1.9	0.7	**2.6**	1.4	1.9	**3.3**	0.7	1.1	**1.8**	0.8	1.0	**1.8**	7.3	7.4	**14.7**	50%	50%
Sep	2.5	0.5	**3.0**	0.0	2.3	**2.3**	1.7	0.8	**2.5**	1.5	1.8	**3.3**	0.7	1.2	**1.8**	0.8	1.1	**1.9**	7.2	7.6	**14.8**	49%	51%
Oct	2.7	0.5	**3.3**	0.0	2.2	**2.2**	1.7	0.9	**2.6**	1.1	1.9	**3.0**	0.8	1.3	**2.1**	0.7	1.3	**2.0**	7.0	8.1	**15.1**	47%	53%
Nov	2.8	0.5	**3.3**	0.0	2.1	**2.1**	0.8	1.7	**2.5**	1.1	1.9	**3.0**	0.7	1.3	**2.0**	0.7	1.2	**1.9**	6.2	8.7	**14.8**	42%	58%
Dec	2.9	0.5	**3.4**	0.0	2.2	**2.2**	0.8	1.7	**2.5**	1.3	1.9	**3.1**	0.7	1.3	**2.1**	0.8	1.2	**2.0**	6.5	8.8	**15.3**	42%	58%

Source: Central Water Authority

Table 6.6 - Average monthly potable water production (Mm^3) from treatment plants and boreholes to distribution systems, 2001 - 2005 (*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^3																						
2003	**33.3**	**6.1**	**39.4**	-	**28.4**	**28.4**	**19.4**	**11.6**	**31.0**	**18.5**	**20.7**	**39.2**	**8.5**	**14.5**	**23.0**	**9.2**	**14.0**	**23.2**	**88.8**	**95.3**	**184.1**	**48%**	**52%**
Jan	2.9	0.5	**3.4**	-	2.2	**2.2**	1.7	0.9	**2.6**	1.6	1.8	**3.4**	0.8	1.3	**2.1**	0.7	1.2	**2.0**	7.6	8.0	**15.6**	49%	51%
Feb	2.6	0.5	**3.0**	-	2.1	**2.1**	1.5	0.9	**2.5**	1.5	1.5	**3.1**	0.7	1.2	**1.8**	0.7	1.1	**1.8**	6.9	7.3	**14.2**	49%	51%
Mar	2.9	0.5	**3.4**	-	2.5	**2.5**	1.7	1.1	**2.8**	1.5	1.8	**3.3**	0.7	1.2	**2.0**	0.8	1.2	**2.0**	7.6	8.3	**15.9**	48%	52%
Apr	2.8	0.5	**3.3**	-	2.4	**2.4**	1.6	1.1	**2.6**	1.5	1.7	**3.3**	0.7	1.2	**1.9**	0.8	1.2	**2.0**	7.4	8.1	**15.5**	48%	52%
May	2.8	0.6	**3.4**	-	2.6	**2.6**	1.2	1.1	**2.3**	1.7	1.7	**3.4**	0.7	1.2	**2.0**	0.8	1.2	**2.1**	7.2	8.4	**15.7**	46%	54%
Jun	2.8	0.5	**3.3**	-	2.5	**2.5**	1.6	1.0	**2.6**	1.5	1.7	**3.2**	0.7	1.2	**1.9**	0.8	1.2	**2.0**	7.4	8.0	**15.4**	48%	52%
Jul	2.9	0.5	**3.4**	-	2.5	**2.5**	1.7	0.9	**2.6**	1.5	1.8	**3.3**	0.7	1.2	**1.9**	0.8	1.2	**2.0**	7.6	8.1	**15.7**	49%	51%
Aug	2.8	0.5	**3.3**	-	2.5	**2.5**	1.9	0.9	**2.9**	1.6	1.8	**3.4**	0.7	1.2	**1.8**	0.8	1.2	**2.0**	7.8	8.0	**15.8**	49%	51%
Sep	2.7	0.5	**3.2**	-	2.4	**2.4**	1.7	1.0	**2.7**	1.5	1.8	**3.2**	0.7	1.2	**1.9**	0.8	1.1	**1.9**	7.3	8.0	**15.3**	48%	52%
Oct	2.7	0.5	**3.2**	-	2.4	**2.4**	1.6	0.9	**2.6**	1.5	1.7	**3.3**	0.7	1.2	**1.9**	0.8	1.1	**1.9**	7.3	7.8	**15.1**	48%	52%
Nov	2.7	0.5	**3.2**	-	2.2	**2.2**	1.6	0.9	**2.5**	1.5	1.7	**3.3**	0.7	1.2	**2.0**	0.7	1.1	**1.8**	7.3	7.7	**15.0**	49%	51%
Dec	2.8	0.5	**3.3**	-	2.2	**2.2**	1.6	0.9	**2.4**	1.6	1.7	**3.3**	0.6	1.3	**1.9**	0.7	1.2	**1.9**	7.3	7.7	**15.0**	49%	51%
2004	**34.0**	**6.0**	**40.0**	-	**27.8**	**27.8**	**18.8**	**11.3**	**30.1**	**18.9**	**21.2**	**40.1**	**8.7**	**15.1**	**23.8**	**8.8**	**14.7**	**23.5**	**89.2**	**95.9**	**185.2**	**48%**	**52%**
Jan	2.9	0.5	**3.4**	-	2.3	**2.3**	1.7	1.2	**2.9**	1.6	1.8	**3.3**	0.7	1.3	**2.0**	0.7	1.2	**1.9**	7.6	8.2	**15.8**	48%	52%
Feb	2.7	0.5	**3.2**	-	2.4	**2.4**	1.5	1.1	**2.6**	1.5	1.7	**3.1**	0.7	1.2	**1.8**	0.8	1.2	**1.9**	7.1	7.9	**15.0**	47%	53%
Mar	2.9	0.5	**3.4**	-	2.5	**2.5**	1.7	0.9	**2.6**	1.6	1.8	**3.4**	0.7	1.2	**2.0**	0.8	1.3	**2.1**	7.7	8.2	**15.9**	48%	52%
Apr	2.8	0.5	**3.3**	-	2.4	**2.4**	0.9	1.1	**2.0**	1.6	1.7	**3.3**	0.7	1.2	**1.9**	0.8	1.2	**2.0**	6.7	8.2	**14.9**	45%	55%
May	2.9	0.5	**3.4**	-	2.5	**2.5**	0.9	1.1	**2.0**	1.6	1.7	**3.3**	0.7	1.2	**1.9**	0.8	1.3	**2.1**	6.8	8.3	**15.1**	45%	55%
Jun	2.8	0.5	**3.3**	-	2.4	**2.4**	1.7	1.0	**2.7**	1.6	1.7	**3.3**	0.7	1.2	**1.9**	0.8	1.2	**2.0**	7.5	8.0	**15.5**	48%	52%
Jul	2.9	0.5	**3.4**	-	2.4	**2.4**	1.8	0.8	**2.7**	1.6	1.8	**3.4**	0.7	1.3	**2.0**	0.8	1.2	**2.0**	7.8	8.1	**15.8**	49%	51%
Aug	2.9	0.5	**3.4**	-	2.3	**2.3**	1.8	0.9	**2.7**	1.6	1.8	**3.4**	0.7	1.2	**1.9**	0.8	1.2	**2.0**	7.8	8.0	**15.7**	49%	51%
Sep	3.0	0.5	**3.5**	-	2.2	**2.2**	1.9	0.7	**2.6**	1.6	1.8	**3.4**	0.8	1.4	**2.1**	0.7	1.2	**1.9**	7.8	7.8	**15.6**	50%	50%
Oct	2.9	0.5	**3.4**	-	2.1	**2.1**	1.8	0.9	**2.7**	1.6	1.9	**3.4**	1.0	1.4	**2.3**	0.7	1.2	**1.9**	7.8	8.0	**15.8**	49%	51%
Nov	2.7	0.5	**3.2**	-	2.1	**2.1**	1.6	0.7	**2.4**	1.6	1.8	**3.4**	0.8	1.3	**2.1**	0.6	1.3	**1.9**	7.3	7.6	**15.0**	49%	51%
Dec	2.8	0.5	**3.3**	-	2.2	**2.2**	1.6	0.9	**2.4**	1.6	1.7	**3.3**	0.6	1.3	**1.9**	0.7	1.2	**1.9**	7.3	7.7	**15.0**	49%	51%

Source: Central Water Authority

Table 6.6 - Average monthly potable water production (Mm^3) from treatment plants and boreholes to distribution systems, 2001 - 2005 (*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^3																						
2005	**35.6**	**6.1**	**41.7**	-	**28.0**	**28.0**	**21.4**	**11.6**	**32.9**	**19.1**	**22.7**	**41.8**	**9.1**	**15.8**	**24.9**	**8.7**	**16.7**	**25.4**	**93.9**	**100.9**	**194.8**	**48%**	**52%**
Jan	2.8	0.5	**3.3**	-	2.3	**2.3**	1.8	0.8	**2.6**	1.6	1.8	**3.4**	0.8	1.3	**2.2**	0.7	1.4	**2.1**	7.8	8.2	**15.9**	49%	51%
Feb	2.6	0.5	**3.0**	-	2.1	**2.1**	1.2	2.0	**3.2**	1.5	1.6	**3.1**	0.7	1.2	**1.9**	0.7	1.3	**1.9**	6.6	8.6	**15.2**	43%	57%
Mar	2.9	0.6	**3.5**	-	2.4	**2.4**	1.4	1.1	**2.4**	1.6	2.0	**3.6**	0.8	1.4	**2.1**	0.7	1.5	**2.2**	7.4	8.9	**16.2**	45%	55%
Apr	2.8	0.5	**3.4**	-	2.4	**2.4**	1.6	1.0	**2.6**	1.5	1.9	**3.4**	0.8	1.3	**2.1**	0.8	1.4	**2.2**	7.5	8.6	**16.1**	47%	53%
May	2.9	0.5	**3.4**	-	2.5	**2.5**	1.8	1.1	**2.9**	1.6	1.9	**3.5**	0.8	1.3	**2.1**	0.8	1.4	**2.2**	7.8	8.8	**16.6**	47%	53%
Jun	2.8	0.5	**3.3**	-	2.4	**2.4**	1.6	0.8	**2.4**	1.5	1.9	**3.4**	0.7	1.3	**2.0**	0.6	1.1	**1.7**	7.3	8.1	**15.4**	47%	53%
Jul	2.9	0.5	**3.4**	-	2.4	**2.4**	2.0	0.8	**2.8**	1.6	1.9	**3.5**	0.8	1.4	**2.1**	0.7	1.4	**2.1**	7.9	8.5	**16.4**	48%	52%
Aug	3.2	0.5	**3.7**	-	2.4	**2.4**	2.0	0.8	**2.8**	1.6	1.9	**3.6**	0.7	1.3	**2.1**	0.8	1.4	**2.2**	8.3	8.4	**16.7**	50%	50%
Sep	3.0	0.5	**3.5**	-	2.3	**2.3**	2.0	0.7	**2.7**	1.6	1.9	**3.5**	0.7	1.3	**2.0**	0.7	1.4	**2.1**	8.1	8.1	**16.2**	50%	50%
Oct	3.2	0.5	**3.7**	-	2.5	**2.5**	2.3	0.9	**3.2**	1.6	1.9	**3.5**	0.8	1.3	**2.1**	0.8	1.5	**2.3**	8.7	8.6	**17.3**	50%	50%
Nov	3.2	0.5	**3.7**	-	2.2	**2.2**	1.9	0.8	**2.7**	1.6	2.0	**3.6**	0.7	1.3	**2.0**	0.8	1.4	**2.2**	8.3	8.1	**16.3**	51%	49%
Dec	3.4	0.5	**3.9**	-	2.1	**2.1**	1.8	0.8	**2.6**	1.7	2.0	**3.6**	0.8	1.3	**2.2**	0.8	1.5	**2.2**	8.4	8.1	**16.5**	51%	49%

Source: Central Water Authority

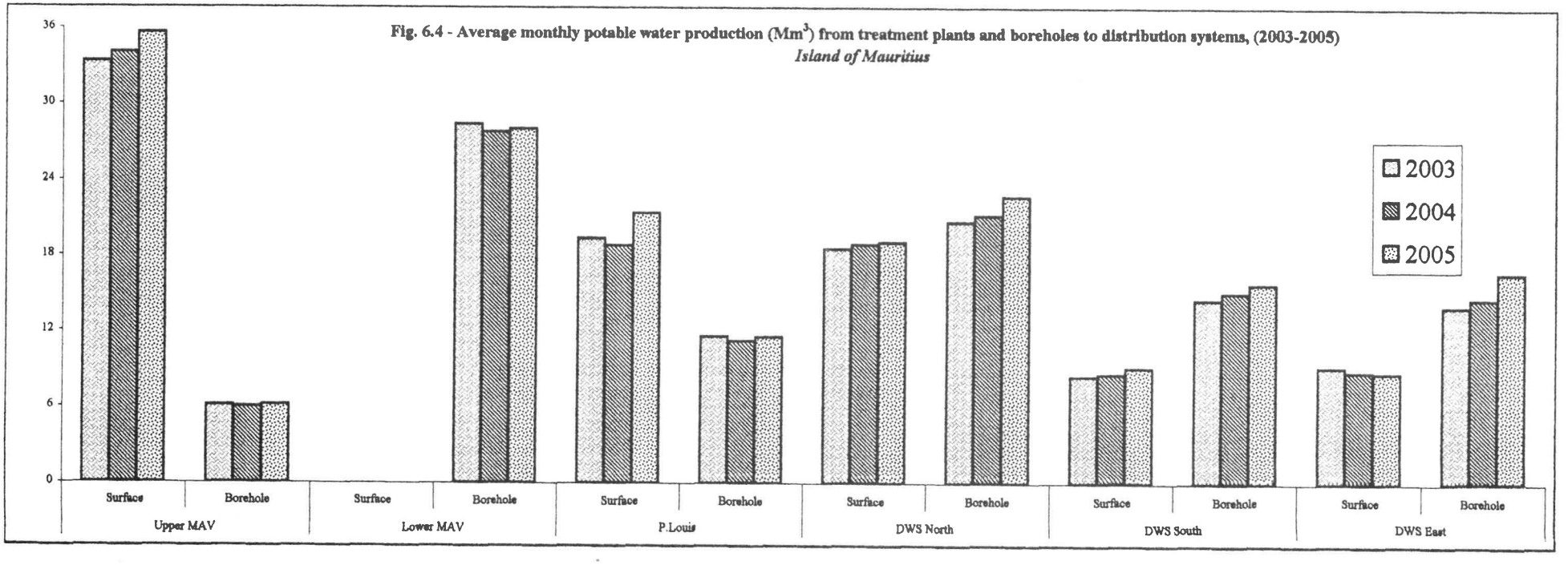


Fig. 6.4 - Average monthly potable water production (Mm^3) from treatment plants and boreholes to distribution systems, (2003-2005)
Island of Mauritius

Table 6.7 - Water sales by type of tariff of subscriber, 2001 - 2005 (*Island of Mauritius*)

Type of tariff	2001	2002	2003	2004	2005	2001	2002	2003	2004	2005
	No. of subscribers					% distribution of subscribers				
Domestic	237,524	243,689	250,752	258,381	265,763	93.8	93.8	93.8	93.9	93.9
Government	3,474	3,538	3,614	3,585	3,708	1.4	1.4	1.4	1.3	1.3
Acquired / concessionary prises	47	48	48	47	45	0.0	0.0	0.0	0.0	0.0
Commercial	9,237	9,233	9,455	9,638	9,823	3.6	3.6	3.5	3.5	3.5
Hotels, Guest Houses	187	191	192	188	197	0.1	0.1	0.1	0.1	0.1
Industrial	781	766	762	746	741	0.3	0.3	0.3	0.3	0.3
Sub total	***251,250***	***257,465***	***264,823***	***272,585***	***280,277***	***99.2***	***99.1***	***99.1***	***99.0***	***99.0***
Vegetable & Livestock producers	1,831	2,009	2,164	2,377	2,632	0.7	0.8	0.8	0.9	0.9
Total potable water	**253,081**	**259,474**	**266,997**	**274,962**	**282,909**	**99.9**	**99.9**	**99.9**	**99.9**	**99.9**
Total non-treated water *(agriculture/Industrial)*	**228**	**231**	**253**	**254**	**267**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**
Grand Total	**253,309**	**259,705**	**267,250**	**275,216**	**283,176**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
	Volume sold (thousand m³)					% Consumption				
Domestic	67,054	67,618	70,253	70,562	73,055	65.9	67.1	67.7	68.9	67.8
Government	3,789	4,026	4,228	4,285	4,632	3.7	4.0	4.1	4.2	4.3
Acquired / concessionary prises	20	21	23	20	19	0.0	0.0	0.0	0.0	0.0
Commercial	5,034	5,186	5,573	5,653	5,790	4.9	5.1	5.4	5.5	5.4
Hotels, Guest Houses	3,624	3,492	3,644	3,694	4,080	3.6	3.5	3.5	3.6	3.8
Industrial	4,679	4,727	4,988	4,775	4,770	4.6	4.7	4.8	4.7	4.4
Sub total	***84,200***	***85,069***	***88,708***	***88,989***	***92,344***	***82.7***	***84.4***	***85.5***	***86.9***	***85.6***
Vegetable & Livestock producers	946	1,023	1,103	1,131	1,322	0.9	1.0	1.1	1.1	1.2
Total potable water	**85,146**	**86,093**	**89,812**	**90,121**	**93,666**	**83.6**	**85.4**	**86.5**	**88.0**	**86.9**
Total non-treated water *(agriculture/Industrial)*	**16,664**	**14,693**	**13,993**	**12,265**	**14,161**	**16.4**	**14.6**	**13.5**	**12.0**	**13.1**
Grand Total	**101,810**	**100,786**	**103,805**	**102,386**	**107,827**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
	Amount collectible Rs.(000)					Average sales price (Rs)				
Domestic	433,857	441,618	505,750	502,533	523,112	6.47	6.53	7.20	7.12	7.16
Government	66,398	71,328	77,117	76,023	77,890	17.52	17.72	18.24	17.74	16.82
Acquired / concessionary prises	117	129	169	138	125	5.84	6.30	7.46	6.93	6.73
Commercial	74,797	78,993	92,332	93,477	95,712	14.86	15.23	16.57	16.54	16.53
Hotels, Guest Houses	86,348	90,494	106,544	108,072	119,215	23.83	25.91	29.24	29.25	29.22
Industrial	57,220	65,799	74,734	72,079	71,797	12.23	13.92	14.98	15.10	15.05
Sub total	***724,271***	***748,360***	***856,645***	***852,323***	***887,851***	***8.60***	***8.80***	***9.66***	***9.58***	***9.61***
Vegetable & Livestock producers	7,503	7,993	8,615	8,833	10,109	7.93	7.81	7.81	7.81	7.65
Total potable water	**731,774**	**756,354**	**865,260**	**861,155**	**897,960**	**8.59**	**8.79**	**9.63**	**9.56**	**9.59**
Total non-treated water *(agriculture/Industrial)*	**16,740**	**23,788**	**38,420**	**36,295**	**36,565**	**1.00**	**1.62**	**2.75**	**2.96**	**2.58**
Grand Total	**748,515**	**780,142**	**903,680**	**897,450**	**934,526**	**7.35**	**7.74**	**8.71**	**8.77**	**8.67**

Source: Central Water Authority

Section VII

Water data from Housing and Population Census

Table 7.1 - Private households by geographical location of residence and type of water supply - 1990 & 2000

Geographical location	Water supply							Total
	Piped water			Tank wagon	Well/ river	Other	Not stated	
	Inside living quarter	Outside living quarter	Outside premises/ public fountain					
Housing and Population Census 1990								
Island of Mauritius								
Port Louis	16,040	13,792	248	6	23	666	5	30,780
Pamplemousses	10,056	9,605	956	36	98	957	1	21,709
Riviere du Rempart	7,757	8,415	1,912	6	9	615	2	18,716
Flacq	8,499	10,286	4,030	131	68	772	1	23,787
Grand Port	10,482	7,392	1,792	23	82	1,411	1	21,183
Savanne	6,853	4,544	993	17	32	1,141	2	13,582
Plaines Wilhems	60,623	13,289	505	11	46	1,009	9	75,492
Moka	7,191	5,102	1,229	146	108	491	-	14,267
Black River	4,188	4,606	531	13	44	468	1	9,851
Total	**131,689** *(57.4%)*	**77,031** *(33.6%)*	**12,196** *(5.3%)*	**389** *(0.2%)*	**510** *(0.2%)*	**7,530** *(3.3%)*	**22** *(0.0%)*	**229,367** *(100.0%)*
Island of Rodrigues	849	2,317	1,265	19	2,582	236	-	7,268
Republic of Mauritius	**132,538** *(56.0%)*	**79,348** *(33.5%)*	**13,461** *(5.7%)*	**408** *(0.2%)*	**3,092** *(1.3%)*	**7,766** *(3.3%)*	**22** *(0.0%)*	**236,635** *(100.0%)*
Housing and Population Census 2000								
Island of Mauritius								
Port Louis	25,245	6,945	333	10	2	216	2	32,753
Pamplemousses	24,093	5,498	78	14	16	187	-	29,886
Riviere du Rempart	20,220	3,912	140	3	-	167	-	24,442
Flacq	22,763	7,207	154	13	9	565	2	30,713
Grand Port	22,202	3,882	66	54	20	452	-	26,676
Savanne	13,801	2,526	123	0	17	351	-	16,818
Plaines Wilhems	89,868	3,636	14	4	9	230	1	93,762
Moka	16,134	2,171	24	28	11	172	1	18,541
Black River	11,879	3,085	181	7	12	414	1	15,579
Total	**246,205** *(85.1%)*	**38,862** *(13.4%)*	**1,113** *(0.4%)*	**133** *(0.0%)*	**96** *(0.0%)*	**2,754** *(1.0%)*	**7** *(0.0%)*	**289,170** *(100.0%)*
Island of Rodrigues	3,163	4,270	359	67	410	382	-	8,651
Agalega	-	-	-	-	-	60	-	60
Republic of Mauritius	**249,368** *(83.7%)*	**43,132** *(14.5%)*	**1,472** *(0.5%)*	**200** *(0.1%)*	**506** *(0.2%)*	**3,196** *(1.1%)*	**7** *(0.0%)*	**297,881** *(100.0%)*

Fig. 7.1 - Water supply as at Housing and Population Census 1990 and 2000

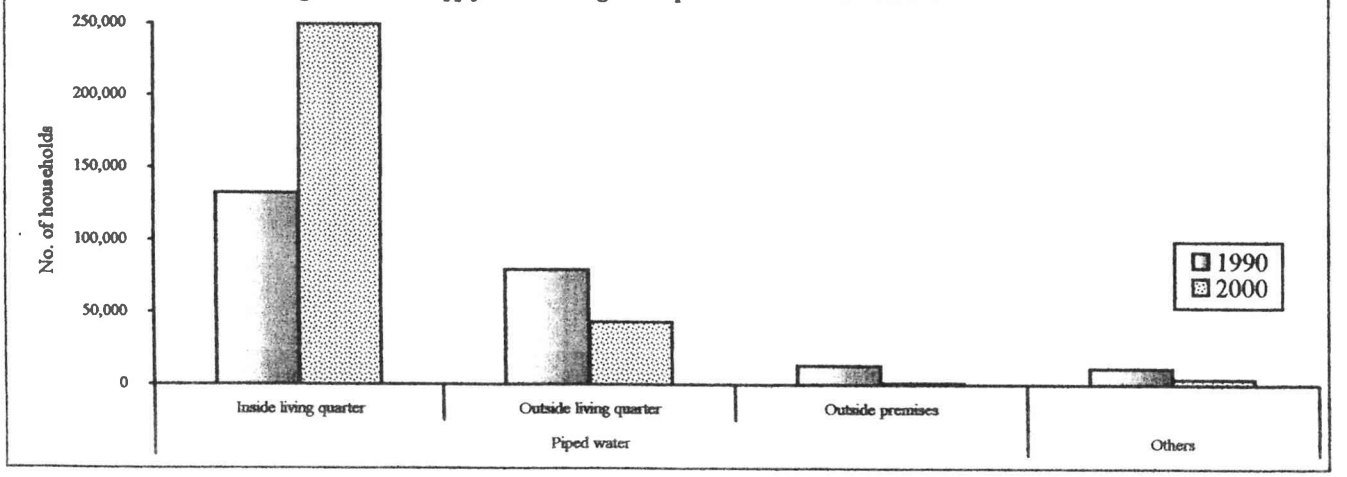


Table 7.2 - Private households by geographical location of residence and availability of water tank and connection to sewerage system - Housing and Population Census 2000

Geographical location	Availability of domestic water tank/reservoir				Connection to Sewerage system	
	Available	Not Available	Not stated	Total	Connected	Not connected
Island of Mauritius						
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
Total	**105,234**	**183,857**	**79**	**289,170**	**58,452**	**230,718**
	(36.4%)	*(63.6%)*	*(0.0%)*	*(100.0%)*	*(20.2%)*	*(79.8%)*
Island of Rodrigues	3,273	5,372	6	8,651	26	8,625
Agalega	40	20	-	60	-	60
Republic of Mauritius	**108,547**	**189,249**	**85**	**297,881**	**58,478**	**239,403**
	(36.4%)	*(63.5%)*	*(0.0%)*	*(100.0%)*	*(19.6%)*	*(80.4%)*

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