

Vol. 3



REPUBLIC OF MAURITIUS

CENTRAL STATISTICS OFFICE

**Ministry of Economic Development, Financial Services
and Corporate Affairs**

**DIGEST
OF
ENERGY STATISTICS
2000**

November 2001

(Price Rs 75.00)

FOREWORD

This issue is the third of a regular publication of the Central Statistics Office on energy statistics. It presents detailed statistics on energy sources and on final consumption by end users. Data provided, covering the period 1991 to 2000, are the latest available as at June 2001 and may be subject to revision in subsequent issues of the digest. All data, unless otherwise specified, refer to the Republic of Mauritius.

It is hoped that these statistics will prove useful to a wide range of users, particularly to planners, decision-makers and research workers. The preparation of this digest would not have been possible without the collaboration of the Ministry of Public Utilities, the Central Electricity Board and several other public and private organisations. The co-operation and assistance of these organisations are gratefully acknowledged.

H. Bundhoo
Director of Statistics

Central Statistics Office,
Ministry of Economic Development, Financial Services and Corporate Affairs,
PORT LOUIS.

November 2001

Contact person:

Mr. Y. Thorabally

Statistician

Ministry of Public Utilities

Level 10, Air Mauritius Centre

President John Kennedy Street

Port Louis

Telephone: 210-0408 / 3435

Fax: 208 6497

Email: mpustat@intnet.mu

Table of contents

Concepts and terminology	5
Energy conversion factors	6
Energy Statistics, 2000 : An overview	7

SECTION I - Energy commodity balance

Table 1.1 - Energy commodity balance, 2000	12
Table 1.2 - Energy commodity balance, 1999	13

SECTION II - Primary energy requirement

Table 2.1 - Primary energy requirement (Physical unit), 1991 - 2000	16
Table 2.2 - Primary energy requirement (Energy unit), 1991 - 2000	16
Table 2.3 - Percentage share (fuel input basis) of primary energy requirement, 1991 - 2000	16
Table 2.4 - Imports of energy sources (Physical unit), 1991 - 2000	17
Table 2.5 - Imports of energy sources (Energy unit), 1991 - 2000	17
Table 2.6 - Imports of energy sources by country of origin (Physical unit), 1991 - 2000	18
Table 2.7 - Imports of energy sources by country of origin (c.i.f value), 1991 - 2000	19
Table 2.8 - Average import price of energy sources by country of origin, 1991 - 2000	20
Table 2.9 - Re-exports of energy sources to foreign aircraft and bunkers, 1991 - 2000	21
Table 2.10 - Energy ratios, 1991 - 2000	22

SECTION III - Transformation of energy

Table 3.1	- Plant capacity, peak demand, electricity generation and consumption, 1991 - 2000	24
Table 3.2	- Plant capacity, 2000	25
Table 3.3	- Electricity production by source of energy, 1991 - 2000	26
Table 3.4	- Percentage share of electricity production by source of energy, 1991 - 2000	26
Table 3.5	- Generation of electricity by CEB and IPP, 1991 - 2000	27
Table 3.6	- Percentage share of electricity generated by CEB and IPP, 1991 - 2000	28
Table 3.7	- Fuel input for electricity production, 1991 - 2000	29

SECTION IV - Final energy consumption

Table 4.1	- Final energy consumption by sector (Energy unit), 1991 - 2000	32
Table 4.2	- Percentage share of final energy consumption by sector, 1991 - 2000	32
Table 4.3	- Final energy consumption by sector and type of fuel (Physical unit), 1991 - 2000	33
Table 4.4	- Final energy consumption by sector and type of fuel (Energy unit), 1991 - 2000	34
Table 4.5	- Percentage share of final energy consumption (ktoe) by sector and type of fuel, 1991 - 2000	35
Table 4.6	- Sales of electricity by type of tariff, 1991 - 2000 (Republic of Mauritius)	36
Table 4.7	- Sales of electricity by type of tariff, 1991 - 2000 (Island of Mauritius)	38
Table 4.8	- Sales of electricity by type of tariff, 1991 - 2000 (Island of Rodrigues)	40

SECTION V - Data from Housing and Population Census

Table 5.1	- Housing units occupied by private households by geographical location of residence and availability of electricity - 1990 & 2000	44
Table 5.2	- Private households by geographical location of residence and principal fuel used for cooking - 1990	45
Table 5.3	- Private households by geographical location of residence and principal fuel used for cooking - 2000	45
Table 5.4	- Private households by geographical location of residence and principal fuel used for heating water for bathing - 2000	46

List of figures

Figure 2.1	- Imports of energy sources, 1991 - 2000	17
Figure 2.2	- Average import price of energy sources, 1991 - 2000	21
Figure 2.3	- Re-exports of energy sources to foreign aircraft and bunkers, 1991 - 2000	21
Figure 3.1	- Plant capacity and peak demand, 1991 - 2000 (Island of Mauritius)	24
Figure 3.2	- Plant capacity and peak demand, 1991 - 2000 (Island of Rodrigues)	24
Figure 3.3	- Electricity production by source of energy, 1991-2000	27
Figure 3.4	- Generation of electricity by CEB and IPP, 1991-2000	28
Figure 3.5	- % share of fuel input for electricity production, 1991-2000	29
Figure 4.1	- Final energy consumption by sector, 1991 - 2000	32
Figure 4.2	- % distribution of electricity consumers by type of tariff, 2000	36
Figure 4.3	- % share of GWh consumed by type of tariff, 2000	36
Figure 4.4	- % share of sales value of electricity by type of tariff, 2000	36
Figure 4.5	- Sales of electricity by type of tariff, 1991- 2000 (Republic of Mauritius)	37
Figure 4.6	- Sales value of electricity by type of tariff, 1991- 2000 (Republic of Mauritius)	37

List of figures (cont'd)

Figure 4.7	- Average sales price of electricity by type of tariff , 1991- 2000 (Island of Mauritius)	39
Figure 4.8	- Average no. of units used per consumer by type of tariff, 1991- 2000 (Island of Mauritius)	39
Figure 4.9	- Average sales price of electricity by type of tariff, 1991- 2000 (Island of Rodrigues)	41
Figure 4.10	- Average no. of units used per consumer by type of tariff, 1991- 2000 (Island of Rodrigues)	41

* * * * *

Symbols & abbreviations

-	Nil
...	Not available
000	Thousand
mn	million
toe	Tonne of oil equivalent
ktoe	Thousand tonnes of oil equivalent
c.i.f	cost, insurance and freight
LPG	Liquefied Petroleum Gas
MW	Megawatt (1,000 kW)
kWh	Kilowatt hour
GWh	Gigawatt hour
CEB	Central Electricity Board
IPP	Independent Power Producers
GDP	Gross Domestic Product

* * * * *

Concepts and terminology

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

- **Energy**
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.
- **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 form of energy. By convention, sources of energy that occur naturally such as coal, natural gas, fuel wood are termed primary energy.
- **Secondary energy**
Secondary energy designates energy from all sources of energy that results from transformation of primary sources.
- **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 for use the energy stored up inside them.
- **Re-export of bunkers and aviation fuel**
Bunkers relate to fuels sold to ships, irrespective of their flags of ownership or registration. Re-exports include aviation fuel delivered to foreign aircraft. Aviation fuel delivered to aircraft owned by the national airline is included as final consumption in the transport sector.
- **Primary energy requirement**
It is the sum of imported fuels and locally available fuels less re-exports of bunkers and aviation fuel to foreign aircraft after adjusting for stock changes.
- **Primary energy input to hydro electricity**
The primary energy input to hydro electricity is defined as the energy value of the electricity generated from hydro.

Energy conversion factors

The following energy conversion factors have been used to express the energy content of the different sources in terms of a common accounting unit, tonnes of oil equivalent (toe). One toe is equal to 41.84 gigajoule (net calorific value).

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
Fuel Wood	1	0.38
Charcoal	1	0.74
	GWh	toe
Electricity	1	220

Energy statistics, 2000 – An overview

1 Total primary energy requirement

In the year 2000, the total primary energy requirement of the country amounted to some 1,165 ktoe of which 891 ktoe (76%) were met from imported fuels and the remaining 274 ktoe (24%), from indigenous sources (tables 2.2 & 2.3). Imports consisted of 734 ktoe of petroleum products and 157 ktoe of coal. The indigenous sources were mainly bagasse (91%) and hydro electricity (8%).

1.1 Local production

Total energy production from local sources increased by 24%, from 221 ktoe in 1999 to 274 ktoe in 2000. Production of electricity from hydro was 20.9 ktoe in 2000 compared to only 6.5 ktoe in 1999 and that from bagasse, 248.5 ktoe in 2000 against 210.3 ktoe in 1999 (tables 2.2 & 2.3). It is recalled that because of the severe drought, energy production from local sources was very low in 1999.

1.2 Imports of energy sources

Tables 2.4 to 2.8 show data on imports of energy sources. Some 1,065 ktoe of petroleum products and coal were imported in 2000 compared to 1,003 ktoe in 1999, representing an increase of 6%. Petroleum products increased from 923.3 ktoe to 927.2 ktoe and coal from 79.9 ktoe to 137.9 ktoe. The substantial rise in the imports of coal reflects its increased use in electricity production. The import bill for petroleum products was 62% higher in 2000, as a result of an increase in prices: Rs 6,135.8 million against Rs 3,795.7 million in 1999.

1.3 Re-exports and bunkering

Of the 1,065.2 ktoe of imported energy sources, 307.9 ktoe were re-exported to bunkers and foreign aircraft. Re-exports consisted of 161.6 ktoe of diesel oil, 55.3 ktoe of fuel oil and 91.0 ktoe of aviation fuel (Table 2.9).

2 Electricity

2.1 Production

In 2000, 1,584.5 GWh (348.6 ktoe) of electricity were produced, and this represented an increase of 10% when compared to 1,440.7 GWh (317 ktoe) in 1999. The Central Electricity Board (CEB) generated 62% and the Independent Power Producers (IPP), 38% of the total of electricity produced. Thermal energy represented 94% and hydro, the remaining 6%. The installed capacity of

the power plants increased from 528.3 MW in 1999 to 621.0 MW in 2000 and the effective capacity from 431.1 MW to 503.3 MW. The peak demand in 2000 reached 283.9 MW in the Island of Mauritius and stayed at 3.8 MW in the Island of Rodrigues, (Table 3.1).

2.2 Fuel input

Table 3.7 shows the different types of fuel used for electricity generation. Fuel input increased from 375.5 ktoe in 1999 to 434.7 ktoe in 2000, representing an increase of 16 %. The share of coal in the production of electricity rose from 18.5% in 1999 to 32.6% in 2000 as a result of the coming into operation of the Centrale Thermique de Belle Vue.

2.3 Number of consumers and sales

The total number of electricity consumers increased from 313,445 in 1999 to 323,518 in 2000 (3.2 %). The highest number of consumers (288,402) fell in the domestic tariff group, followed by commercial (27,820) and industrial (7,007) tariffs. Electricity sold increased by 10.5 % in 2000 from 1,244 GWh in 1999 to 1,375 GWh in 2000. The sales value correspondingly went up by 20.6 % from Rs 2,630 million in 1999 to Rs 3,171 million in 2000.

Separate figures for the islands of Mauritius and Rodrigues are given in tables 4.7 and 4.8.

3 Final energy consumption

Some 1,049 ktoe of energy was consumed as final energy in 2000, compared to 926 ktoe in 1999. "Transport" and "Manufacturing" were the two largest energy-consuming sectors accounting for 37% and 34% respectively. Consumption by households represented 16% followed by the "Commercial and Distributive Trade" (8%) and "Agriculture" (1%).

Tables 4.3-4.5 give the details on the different types and amount of fuel consumed by each sector.

3.1 Manufacturing

Energy used for manufacturing process increased by 9 % to reach 354.4 ktoe in 2000, with bagasse contributing 141.0 ktoe, electricity, 100.9 ktoe, fuel oil and diesel oil, 92.8 ktoe. The final consumption, in this sector, was 325.5 ktoe in 1999.

3.2 Transport

In 2000, 388.9 ktoe of energy were used for transportation. Gasolene consumption increased from 96.7 ktoe to 114.5 ktoe, and that of diesel oil from 127.8 ktoe to 161.4 ktoe. Aviation fuel used by our national airline rose from 101.0 ktoe to 112.4 ktoe. LPG's consumption in the transport sector amounted to 684 toe in 2000 compared to 524 in 1999.

3.3 Commercial and Distributive Trade

Total energy consumption by the "Commercial and Distributive" sector stood at 87.2 ktoe in 2000. Electricity was the main source of energy and its consumption increased from 74.2 ktoe in 1999 to 82.5 ktoe in 2000.

3.4 Household

Energy consumed by households increased by 12 % to reach 167.2 ktoe in 2000. The two main sources of energy for households were electricity and LPG. Electricity consumption increased by 9% from 98.9 ktoe to 108.3 ktoe whilst that of LPG, by 18 %, from 37.5 ktoe in 1999 to 44.0 ktoe in 2000.

3.5 Agriculture

Electricity and diesel oil are the two sources of energy used in Agriculture. In 2000 nearly 6.0 ktoe of electricity were used for irrigation and 2.4 ktoe of diesel oil were used for derocking of land and preparation of soil prior to plantation.

4 Energy ratios

Total primary energy requirement index, expressed with 1990 as reference year (1990 = 100), increased by 22.4 points from 136.2 in 1999 to 158.6 in 2000. Per capita primary energy requirement increased by 15 % from 0.85 toe to 0.98 toe (Table 2.10).

Energy intensity, defined as total primary energy requirement (toe) per Rs100,000 of GDP (in 1990 rupees), provides a measure of the efficiency with which energy is being used in production. A lower ratio indicates a more efficient use of energy. Energy intensity, which stood at 2.22 in 1990, dropped to 1.93 in 1999 and then rose to 2.06 in 2000.

Section I

Energy commodity balance

Table 1.1 - Energy commodity balance, 2000

Flow	Tonne of oil equivalent (toe)												
	Coal	Gasoline	Diesel	Aviation Fuel	Kerosene	Fuel Oil	LPG	Fuel Wood	Charcoal	Hydro	Bagasse	Electricity	Total
Local production	-	-	-	-	-	-	-	4,104	-	20,958	248,538	-	273,599
Imports	137,902	97,010	343,068	197,619	28,445	210,012	51,099	-	-	-	-	-	1,065,155
Re-exports and bunkering	-	-	(161,566)	(91,018)	-	(55,316)	-	-	-	-	-	-	(307,900)
Stock change / Statistical error	18,948	17,470	27,703	5,804	(2,966)	64,579	2,255	-	-	-	-	-	133,793
Total Primary Energy Requirement	156,850	114,480	209,205	112,405	25,479	219,275	53,354	4,104	-	20,958	248,538	-	1,164,648
Electricity generation	(141,682)	-	(3,398)	-	(13,604)	(168,494)	-	-	-	(20,958)	(107,504)	348,593	(107,047)
Other transformation	-	-	-	-	-	-	-	(684)	333	-	-	-	(351)
Own use	-	-	-	-	-	-	-	-	-	-	-	(8,274)	(8,274)
Total Final Consumption	15,168	114,480	205,808	112,405	11,875	50,781	53,354	3,420	333	-	141,034	340,319	1,048,976
Manufacturing sector	15,168	-	42,016	-	-	50,781	3,984	570	-	-	141,034	100,895	354,448
Transport sector	-	114,480	161,367	112,405	-	-	684	-	-	-	-	-	388,936
Commercial and distributive trade sector	-	-	-	-	-	-	4,482	-	222	-	-	82,501	87,205
Residential sector	-	-	-	-	11,875	-	44,053	2,850	111	-	-	108,305	167,194
Agriculture	-	-	2,424	-	-	-	-	-	-	-	-	5,994	8,418
Other (n.e.s.) and losses	-	-	1	-	-	-	151	-	-	-	-	42,624	42,776

Note: figures in brackets represent negative quantities

Table 1.2 - Energy commodity balance, 1999

Flow	Source	Tonne of oil equivalent (toe)											Total		
		Coal	Gasoline	Diesel	Aviation Fuel	Kerosene	Fuel Oil	LPG	Fuel Wood	Charcoal	Hydro	Bagasse		Electricity	
Local production		-	-	-	-	-	-	4,484	-	6,505	210,299	-	-	-	221,288
Imports		79,900	100,156	298,507	195,205	45,947	236,428	47,055	-	-	-	-	-	-	1,003,198
Re-exports and bunkering		-	-	(123,344)	(81,394)	-	(45,061)	-	-	-	-	-	-	-	(249,799)
Stock change	Statistical error	4 800	(3,491)	(8,558)	(12,800)	7,143	38,624	(199)	-	-	-	-	-	-	25,519
Total Primary Energy Requirement		84,700	96,665	166,605	101,011	53,090	229,990	46,856	4,484	6,505	210,299	-	-	-	1,000,206
Electricity generation		(69,516)	-	(3,539)	-	(43,626)	(186,646)	-	-	(6,505)	(72,163)	316,955	-	-	(65,041)
Other transformation		-	-	-	-	-	-	(760)	370	-	-	-	-	-	(390)
Own use		-	-	-	-	-	-	-	-	-	-	-	(8,729)	-	(8,729)
Total Final Consumption		15,184	96,665	163,066	101,011	9,464	43,344	46,856	3,724	-	138,136	308,227	-	-	926,046
Manufacturing sector		15,184	-	32,977	-	-	43,344	3,888	684	-	138,136	91,246	-	-	325,459
Transport sector		-	96,660	127,765	101,011	-	-	524	-	-	-	-	-	-	325,960
Commercial and distributive trade sector		-	-	-	-	-	-	4,860	-	222	-	74,223	-	-	79,305
Residential sector		-	-	-	-	9,464	-	37,476	3,040	148	-	98,912	-	-	149,040
Agriculture		-	-	2,323	-	-	-	-	-	-	-	4,944	-	-	7,267
Other (n.e.s) and losses		-	5	1	-	-	-	108	-	-	-	38,901	-	-	39,016

Note: figures in brackets represent negative quantities

Section II

Primary energy requirement

Table 2.1 - Primary energy requirement (Physical unit), 1991 - 2000

Energy source	Tonne/GWh									
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Imported										
Gasolene	61,453	67,848	72,308	79,595	83,958	87,387	87,671	88,592	89,505	106,000
Diesel Oil	98,660	107,305	117,030	124,410	126,320	136,030	145,515	155,119	164,955	207,134
Dual Purpose Kerosene	97,793	119,080	104,023	105,945	115,227	156,900	135,551	148,685	148,174	132,581
<i>Kerosene</i>	27,640	33,626	23,971	25,582	42,922	76,331	56,526	59,148	51,048	24,499
<i>Aviation Fuel</i>	70,153	85,454	80,052	80,363	72,305	80,569	79,025	89,537	97,126	108,082
Fuel Oil	132,338	135,005	157,487	178,943	177,089	182,600	202,176	221,512	239,573	228,412
LPG	25,900	29,300	32,925	33,305	34,302	36,560	39,145	40,445	43,385	49,402
Coal	59,975	60,790	62,450	62,600	63,086	40,284	45,672	70,748	136,613	252,984
Local										
Electricity (hydro+wind) GWh	75	113	104	76	134	104	92	104	30	95
Bagasse	1,543,273	1,625,479	1,562,267	1,424,144	1,639,810	1,595,104	1,740,976	1,766,992	1,314,370	1,553,361
Fuel Wood *	47,958	32,768	31,806	20,608	17,800	15,200	12,500	12,000	11,800	10,800

* estimates

Table 2.2 - Primary energy requirement (Energy unit), 1991 - 2000

Energy source	ktoe									
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Imported										
Gasolene	66.37	73.28	78.09	85.96	90.67	94.38	94.68	95.68	96.67	114.48
Diesel Oil	99.65	108.38	118.20	125.65	127.58	137.39	146.97	156.67	166.60	209.21
Dual Purpose Kerosene	101.70	123.84	108.18	110.18	119.84	163.18	140.97	154.63	154.10	137.88
<i>Kerosene</i>	28.75	34.97	24.93	26.61	44.64	79.38	58.79	61.51	53.09	25.48
<i>Aviation Fuel</i>	72.96	88.87	83.25	83.58	75.20	83.79	82.19	93.12	101.01	112.41
Fuel Oil	127.04	129.60	151.19	171.79	170.01	175.30	194.09	212.65	229.99	219.28
LPG	27.97	31.64	35.56	35.97	37.05	39.48	42.28	43.68	46.86	53.35
Sub total (Petroleum products)	422.74	466.75	491.22	529.55	545.15	609.72	618.99	663.31	694.22	734.20
Coal	37.18	37.69	38.72	38.81	39.11	24.98	28.32	43.86	84.70	156.85
Sub total (Imported)	459.92	504.44	529.94	568.37	584.26	634.70	647.31	707.18	778.92	891.05
Local										
Electricity (hydro + wind)	16.60	24.91	22.85	16.65	29.58	22.86	20.35	22.92	6.51	20.96
Bagasse	246.92	260.08	249.96	227.86	262.37	255.22	278.56	282.72	210.30	248.54
Fuel Wood *	18.22	12.45	12.09	7.83	6.76	5.78	4.75	4.56	4.48	4.10
Sub total (Local)	281.75	297.44	284.90	252.34	298.71	283.86	303.65	310.20	221.29	273.60
Total	741.67	801.87	814.84	820.71	882.97	918.56	950.96	1,017.37	1,000.21	1,164.65

* estimates

Table 2.3 - Percentage share (fuel input basis) of primary energy requirement, 1991 - 2000

Energy source	%									
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Imported										
Gasolene	8.9	9.1	9.6	10.5	10.3	10.3	10.0	9.4	9.7	9.8
Diesel Oil	13.4	13.5	14.5	15.3	14.4	15.0	15.5	15.4	16.7	18.0
Dual Purpose Kerosene	13.7	15.4	13.3	13.4	13.6	17.8	14.8	15.2	15.4	11.8
<i>Kerosene</i>	3.9	4.4	3.1	3.2	5.1	8.6	6.2	6.0	5.3	2.2
<i>Aviation Fuel</i>	9.8	11.1	10.2	10.2	8.5	9.1	8.6	9.2	10.1	9.7
Fuel Oil	17.1	16.2	18.6	20.9	19.3	19.1	20.4	20.9	23.0	18.8
LPG	3.8	3.9	4.4	4.4	4.2	4.3	4.4	4.3	4.7	4.6
Sub total (Petroleum products)	57.0	58.2	60.3	64.5	61.7	66.4	65.1	65.2	69.4	63.0
Coal	5.0	4.7	4.8	4.7	4.4	2.7	3.0	4.3	8.5	13.5
Sub total (Imported)	62.0	62.9	65.0	69.3	66.2	69.1	68.1	69.5	77.9	76.5
Local										
Electricity (hydro + wind)	2.2	3.1	2.8	2.0	3.4	2.5	2.1	2.3	0.7	1.8
Bagasse	33.3	32.4	30.7	27.8	29.7	27.8	29.3	27.8	21.0	21.3
Fuel Wood *	2.5	1.6	1.5	1.0	0.8	0.6	0.5	0.4	0.4	0.4
Sub total (Local)	38.0	37.1	35.0	30.7	33.8	30.9	31.9	30.5	22.1	23.5
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

* estimates

Table 2.4 - Imports of energy sources (Physical unit), 1991 - 2000

Thousand tonne

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Gasolene	64.67	62.48	72.73	78.39	84.16	88.04	88.07	86.90	92.74	89.82
Diesel oil	152.50	163.36	177.25	210.04	226.24	221.99	255.96	282.74	295.55	339.67
Dual Purpose Kerosene	155.20	166.69	159.44	149.52	170.66	195.99	196.25	206.44	231.88	217.37
<i>Kerosene</i>	27.20	37.19	30.63	25.90	39.60	81.15	76.56	54.13	44.18	27.35
<i>Aviation Fuel</i>	128.00	129.50	128.81	123.62	131.06	114.84	119.69	152.31	187.70	190.02
Fuel oil	143.63	169.88	181.43	199.40	207.48	194.37	249.21	274.12	246.28	218.76
LPG	26.01	29.07	29.54	32.67	36.22	36.58	41.67	44.67	43.57	47.31
Coal	66.01	72.50	62.90	38.45	66.36	38.48	27.78	86.34	128.87	222.42

Table 2.5 - Imports of energy sources (Energy unit), 1991 - 2000

ktoe

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Gasolene	69.84	67.48	78.55	84.66	90.89	95.08	95.12	93.85	100.16	97.01
Diesel oil	154.02	164.99	179.03	212.14	228.50	224.20	258.52	285.56	298.51	343.07
Dual Purpose Kerosene	161.41	173.36	165.82	155.50	177.49	203.83	204.10	214.69	241.15	226.06
<i>Kerosene</i>	28.29	38.68	31.85	26.94	41.19	84.39	79.62	56.29	45.95	28.45
<i>Aviation Fuel</i>	133.12	134.68	133.96	128.56	136.30	119.44	124.48	158.40	195.20	197.62
Fuel oil	137.89	163.09	174.18	191.43	199.18	186.60	239.24	263.16	236.43	210.01
LPG	28.09	31.40	31.91	35.28	39.12	39.51	45.00	48.25	47.06	51.10
Sub total (Petroleum products)	551.25	600.32	629.47	679.01	735.18	749.22	841.98	905.51	923.30	927.25
Coal	40.93	44.95	39.00	23.84	41.14	23.86	17.22	53.53	79.90	137.90
Total imports	592.17	645.27	668.47	702.85	776.32	773.08	859.20	959.05	1,003.20	1,065.16

Fig. 2.1 - Imports of energy sources, 1991 - 2000

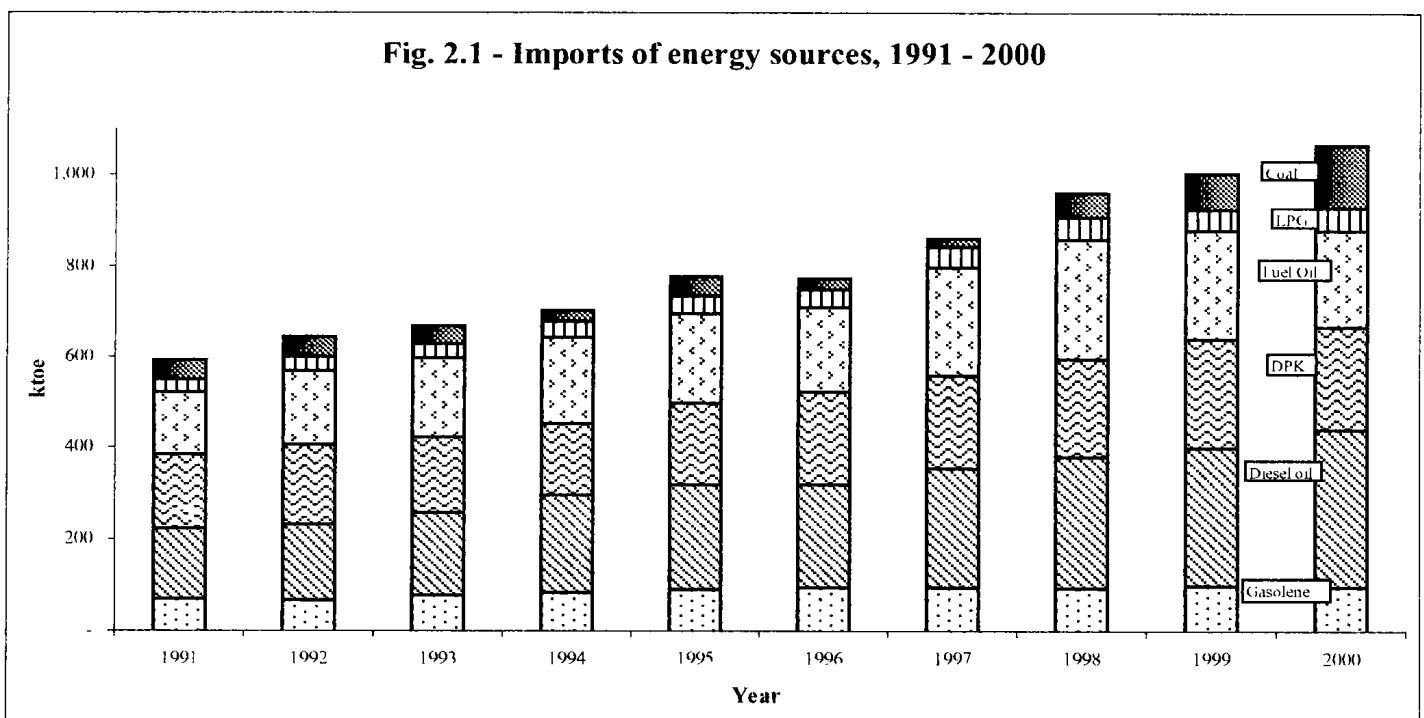


Table 2.6 - Imports of energy sources by country of origin (Physical unit), 1991 - 2000

Country	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Gasolene										
Bahrain	40,331	19,533	-	-	3,266	2,986	8,913	24,035	27,798	25,300
Ivory Coast	2,726	3,558	-	-	-	-	-	-	-	-
Kuwait	-	-	-	16,303	42,919	53,636	25,731	-	-	-
Saudi Arabia	5,066	-	-	19,082	22,982	2,737	15,791	46,878	47,644	19,497
South Africa	16,543	39,392	72,728	43,005	14,991	28,682	37,639	15,982	12,960	45,027
Yemen	-	-	-	-	-	-	-	-	4,335	-
Total	64,666	62,483	72,728	78,390	84,158	88,041	88,074	86,895	92,737	89,824
Diesel										
Bahrain	47,411	3,765	-	-	10,984	19,005	29,019	78,893	90,841	105,408
Kuwait	-	-	-	31,377	101,285	107,461	46,948	-	-	-
Saudi Arabia	20,092	2,941	-	68,148	53,108	9,993	46,647	150,460	153,800	51,087
South Africa	44,074	119,582	177,254	110,513	60,862	85,526	133,342	53,384	42,199	170,113
Yemen	10,539	-	-	-	-	-	-	-	8,711	-
Ivory Coast	19,383	16,791	-	-	-	-	-	-	-	-
Utd. Arab Emirates	-	-	-	-	-	-	-	-	-	13,063
Other countries	11,000	20,280	-	-	-	-	-	-	-	-
Total	152,499	163,358	177,254	210,038	226,239	221,985	255,956	282,737	295,551	339,671
Kerosene (excl. jet fuel type)										
Bahrain	3,657	4,473	-	-	6,621	3,136	3,896	20,765	4,124	922
Kuwait	-	-	-	2,267	17,999	37,582	26,402	-	-	-
Saudi Arabia	2,798	359	3,050	10,490	6,601	1,766	13,643	27,193	37,222	1,154
South Africa	10,509	17,996	27,580	13,145	8,381	38,662	32,619	6,170	2,834	25,275
Yemen	303	263	-	-	-	-	-	-	-	-
Ivory Coast	5,154	5,429	-	-	-	-	-	-	-	-
Other countries	4,782	8,671	-	-	-	-	-	-	-	-
Total	27,203	37,190	30,630	25,902	39,602	81,146	76,560	54,128	44,180	27,351
Jet fuel type kerosene										
Bahrain	54,610	10,338	-	-	948	15,160	11,074	36,476	63,251	66,643
Kuwait	-	-	-	24,341	52,793	46,034	17,348	-	-	-
Saudi Arabia	12,506	1,119	4,389	36,292	38,721	6,526	22,997	84,984	85,472	38,698
South Africa	30,346	82,728	124,420	62,986	38,598	47,122	68,273	30,848	27,000	84,677
Yemen	8,567	3,100	-	-	-	-	-	-	11,974	-
Ivory Coast	13,165	11,051	-	-	-	-	-	-	-	-
Other countries	8,803	21,164	-	-	-	-	-	-	-	-
Total	127,996	129,500	128,810	123,619	131,060	114,842	119,692	152,308	187,697	190,018
Fuel Oil										
Utd. Arab Emirates	-	-	-	-	-	-	-	40,688	80,818	87,822
Bahrain	50,549	50,038	-	-	-	17,079	-	28,732	-	-
Kenya	19,158	39,429	56,467	10,764	41,388	10,163	-	11,584	44,168	-
Kuwait	-	-	-	34,520	51,116	77,139	49,108	-	-	-
Madagascar	27,030	21,989	32,210	12,631	89,749	86,984	153,944	174,599	117,521	117,116
South Africa	9,166	38,166	70,658	115,014	10,569	3,007	23,803	18,522	3,772	13,825
Tanzania	30,391	-	22,101	11,254	11,633	-	-	-	-	-
Other countries	7,342	20,262	-	15,222	3,022	-	22,352	-	-	-
Total	143,635	169,885	181,435	199,404	207,477	194,372	249,207	274,125	246,279	218,763
Liquefied Petroleum Gas										
Bahrain	2,999	6,692	2,080	4,969	-	-	-	-	-	-
Philippines	5,306	11,001	24,339	7,467	10,008	6,297	5,186	2,625	402	-
Saudi Arabia	824	689	1,515	971	-	-	-	-	-	-
Singapore	10,123	6,625	192	3,712	1,062	-	11,035	5,983	6,715	4,944
South Africa	797	-	170	14,305	20,341	30,246	20,718	27,299	31,124	38,522
Indonesia	-	-	-	-	-	-	2,257	3,054	3,146	197
Utd Arab Emirates	948	1,382	574	-	-	-	-	-	-	1,830
Malaysia	1,444	739	-	-	4,811	-	-	1,659	2,157	1,821
Other countries	3,566	1,944	673	12,455	-	41	2,472	4,055	25	-
Total	26,007	29,072	29,543	32,669	36,222	36,584	41,668	44,675	43,570	47,314
Coal										
South Africa	66,009	72,498	62,904	38,450	65,362	38,481	27,782	32,717	103,123	185,480
Mozambique	-	-	-	-	-	-	-	53,627	25,748	36,943
Greece	-	-	-	-	1,000	-	-	-	-	-
Total	66,009	72,498	62,904	38,450	66,362	38,481	27,782	86,343	128,871	222,423

Table 2.7 - Imports of energy sources by country of origin (c.i.f value), 1991 - 2000

	Rs(000)									
Country	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Gasolene										
Bahrain	167,480	72,320	-	-	13,507	13,735	47,439	102,814	167,006	215,549
Ivory Coast	10,376	12,263	-	-	-	-	-	-	-	-
Kuwait	-	-	-	52,550	141,463	231,003	111,754	-	-	-
Saudi Arabia	21,526	-	-	63,595	72,379	14,051	78,961	191,194	223,102	177,034
South Africa	65,023	142,378	260,256	135,470	49,788	122,211	172,398	62,313	70,677	351,728
Yemen	-	-	-	-	-	-	-	-	14,388	-
Total	264,405	226,961	260,256	251,615	277,137	381,000	410,552	356,322	475,173	744,311
Diesel										
Bahrain	158,176	10,542	-	-	35,938	78,158	111,765	217,560	377,663	661,929
Kuwait	-	-	-	90,163	298,098	445,324	191,273	-	-	-
Saudi Arabia	61,859	8,773	-	192,686	149,713	46,273	185,469	428,385	542,322	352,594
South Africa	163,341	364,782	564,438	306,751	176,618	343,460	515,365	162,340	172,026	1,092,232
Yemen	35,614	-	-	-	-	-	-	-	22,008	-
Ivory Coast	94,620	46,174	-	-	-	-	-	-	-	-
Utd. Arab Emirates	-	-	-	-	-	-	-	-	-	59,945
Other countries	45,296	62,194	-	-	-	-	-	-	-	-
Total	558,907	492,464	564,438	589,601	660,368	913,215	1,003,872	808,284	1,114,019	2,166,701
Kerosene (excl. jet fuel type)										
Bahrain	13,405	14,398	-	-	22,911	15,761	16,643	74,348	22,318	7,376
Kuwait	-	-	-	7,809	60,700	176,205	115,723	-	-	-
Saudi Arabia	9,143	1,129	10,835	38,097	21,017	8,728	60,588	92,513	140,819	10,320
South Africa	38,028	61,241	98,526	40,995	29,153	185,631	145,474	20,029	15,362	188,158
Yemen	1,106	1,045	-	-	-	-	-	-	-	-
Ivory Coast	29,335	17,389	-	-	-	-	-	-	-	-
Other countries	24,665	29,036	-	-	-	-	-	-	-	-
Total	115,683	124,238	109,361	86,901	133,781	386,324	338,428	186,890	178,500	205,854
Jet fuel type kerosene										
Bahrain	197,020	32,986	-	-	3,280	72,545	47,057	135,915	311,847	459,620
Kuwait	-	-	-	76,951	174,824	209,900	76,875.32	-	-	-
Saudi Arabia	41,751	3,518	15,595	116,163	122,101	32,253	94,333	280,356	347,040	301,037
South Africa	108,802	269,196	434,113	193,919	134,201	202,908	283,956	97,300	125,447	588,877
Yemen	31,236	12,335	-	-	-	-	-	-	35,649	-
Ivory Coast	72,896	34,197	-	-	-	-	-	-	-	-
Other countries	38,343	70,537	-	-	-	-	-	-	-	-
Total	490,048	422,768	449,708	387,033	434,406	517,606	502,221	513,571	819,982	1,349,534
Fuel Oil										
Utd. Arab Emirates	-	-	-	-	-	-	-	76,797	266,398	406,615
Bahrain	74,873	73,448	-	-	-	40,519	-	67,417	-	-
Kenya	31,199	58,657	91,194	19,363	80,048	24,432	-	24,615	125,087	-
Kuwait	-	-	-	64,438	100,915	184,899	111,442	-	-	-
Madagascar	51,885	32,482	45,687	17,855	161,045	192,024	360,166	364,899	311,355	499,540
South Africa	30,383	66,509	97,334	192,075	18,459	7,406	63,790	34,693	14,865	58,133
Tanzania	51,640	-	36,950	16,361	19,355	-	-	-	-	-
Other countries	15,792	24,846	-	28,044	5,430	-	51,868	-	-	-
Total	255,773	255,941	271,166	338,136	385,252	449,279	587,266	568,421	717,704	964,288
Liquefied Petroleum Gas										
Bahrain	16,889	36,739	12,760	29,843	-	-	-	-	-	-
Philippines	29,735	62,908	148,406	45,594	68,199	43,994	39,574	17,733	5,017	-
Saudi Arabia	4,515	3,901	9,346	6,107	-	-	-	-	-	-
Singapore	55,668	38,888	1,144	23,574	5,870	-	92,526	42,956	51,035	56,369
South Africa	5,202	-	1,035	82,623	125,742	218,118	164,748	199,901	272,246	411,296
Indonesia	-	-	-	-	-	-	18,938	20,235	27,351	2,675
Utd. Arab Emirates	5,475	7,557	3,791	-	-	-	-	-	-	19,230
Malaysia	8,050	4,097	-	-	28,636	-	-	12,721	22,203	20,428
Other countries	20,308	11,223	4,113	7,848	-	324	23,384	29,889	393	149
Total	145,842	165,314	180,596	195,589	228,447	262,436	339,170	323,436	378,246	510,148
Coal										
South Africa	52,225	57,005	34,121	35,336	64,130	41,930	31,017	39,550	90,209	165,159
Mozambique	-	-	-	-	-	-	-	74,877	21,880	29,877
Greece	-	-	-	-	1,047	-	-	-	-	-
Total	52,225	57,005	34,121	35,336	65,177	41,930	31,017	114,427	112,089	195,037
All energy sources	1,882,884	1,744,691	1,869,646	1,884,211	2,184,567	2,951,789	3,212,525	2,871,350	3,795,713	6,135,873

Table 2.8 - Average import price of energy sources by country of origin , 1991 - 2000

	Rs/tonne									
Country	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Gasolene										
Bahrain	4,153	3,702	-	-	4,136	4,600	5,322	4,278	6,008	8,520
Ivory Coast	3,807	3,447	-	-	-	-	-	-	-	-
Kuwait	-	-	-	3,223	3,296	4,307	4,343	-	-	-
Saudi Arabia	4,249	-	-	3,333	3,149	5,134	5,000	4,079	4,683	9,080
South Africa	3,931	3,614	3,578	3,150	3,321	4,261	4,580	3,899	5,453	7,811
Yemen	-	-	-	-	-	-	-	-	3,319	-
Total	4,089	3,632	3,578	3,210	3,293	4,328	4,661	4,101	5,124	8,286
Diesel										
Bahrain	3,336	2,800	-	-	3,272	4,113	3,851	2,758	4,157	6,280
Kuwait	-	-	-	2,874	2,943	4,144	4,074	-	-	-
Saudi Arabia	3,079	2,983	-	2,827	2,819	4,631	3,976	2,847	3,526	6,902
South Africa	3,706	3,050	3,184	2,776	2,902	4,016	3,865	3,041	4,077	6,421
Yemen	-	-	-	-	-	-	-	-	2,526	-
Ivory Coast	-	2,750	-	-	-	-	-	-	-	-
Utd. Arab Emirates	-	-	-	-	-	-	-	-	-	4,589
Other countries	45,749	20,483	-	-	-	-	-	-	-	-
Total	3,665	3,015	3,184	2,807	2,919	4,114	3,922	2,859	3,769	6,379
Kerosene (excl. jet fuel type)										
Bahrain	3,666	3,219	-	-	3,460	5,026	4,272	3,580	5,412	8,000
Kuwait	-	-	-	3,445	3,372	4,689	4,383	-	-	-
Saudi Arabia	3,268	3,144	3,553	3,632	3,184	4,942	4,441	3,402	3,783	8,942
South Africa	3,619	3,403	3,572	3,119	3,478	4,801	4,460	3,246	5,421	7,444
Yemen	3,646	3,979	-	-	-	-	-	-	-	-
Ivory Coast	5,691	3,203	-	-	-	-	-	-	-	-
Other countries	5,158	3,349	-	-	-	-	-	-	-	-
Total	4,253	3,341	3,570	3,355	3,378	4,761	4,420	3,453	4,040	7,526
Jet fuel type kerosene										
Bahrain	3,608	3,191	-	-	3,460	4,785	4,249	3,726	4,930	6,897
Kuwait	-	-	-	3,161	3,311	4,560	4,431	-	-	-
Saudi Arabia	3,338	3,144	3,553	3,201	3,153	4,942	4,102	3,299	4,060	7,779
South Africa	3,585	3,254	3,489	3,079	3,477	4,306	4,159	3,154	4,646	6,954
Yemen	3,646	3,979	-	-	-	-	-	-	2,977	-
Ivory Coast	5,537	3,094	-	-	-	-	-	-	-	-
Other countries	4,356	3,333	-	-	-	-	-	-	-	-
Total	3,829	3,265	3,491	3,131	3,315	4,507	4,196	3,372	4,369	7,102
Fuel Oil										
Utd. Arab Emirates	-	-	-	-	-	-	-	1,887	3,296	4,630
Bahrain	1,481	1,468	-	-	-	2,372	-	2,346	-	-
Kenya	1,629	1,488	1,615	1,799	1,934	2,404	-	2,125	2,832	-
Kuwait	-	-	-	1,867	1,974	2,397	2,269	-	-	-
Madagascar	1,920	1,477	1,418	1,414	1,794	2,208	2,340	2,090	2,649	4,265
South Africa	3,315	1,743	1,378	1,670	1,747	2,463	2,680	1,873	3,941	4,205
Tanzania	1,699	-	1,672	1,454	1,664	-	-	-	-	-
Other countries	2,151	1,226	-	1,842	1,797	-	2,321	-	-	-
Total	1,781	1,507	1,495	1,696	1,857	2,311	2,357	2,074	2,914	4,408
Liquefied Petroleum Gas										
Bahrain	5,631	5,490	6,134	6,006	-	-	-	-	-	-
Philippines	5,604	5,718	6,097	6,106	6,814	6,986	7,631	6,755	12,478	-
Saudi Arabia	5,479	5,662	6,169	6,289	-	-	-	-	-	-
Singapore	5,499	5,870	5,958	6,351	5,527	-	8,385	7,180	7,600	11,402
South Africa	6,526	-	6,091	5,776	6,182	7,211	7,952	7,323	8,747	10,677
Indonesia	-	-	-	-	-	-	8,391	6,626	8,693	13,577
Utd. Arab Emirates	5,779	5,468	6,609	-	-	-	-	-	-	10,508
Malaysia	5,575	5,544	-	-	5,952	-	-	7,668	10,294	11,218
Other countries	5,695	5,774	6,110	6,302	-	7,820	9,458	7,371	15,651	-
Total	5,608	5,686	6,113	5,987	6,307	7,173	8,140	7,240	8,681	10,782
Coal										
South Africa	791	786	542	919	981	1,090	1,116	1,209	875	890
Mozambique	-	-	-	-	-	-	-	1,396	850	809
Greece	-	-	-	-	1,047	-	-	-	-	-
Total	791	786	542	919	982	1,090	1,116	1,325	870	877

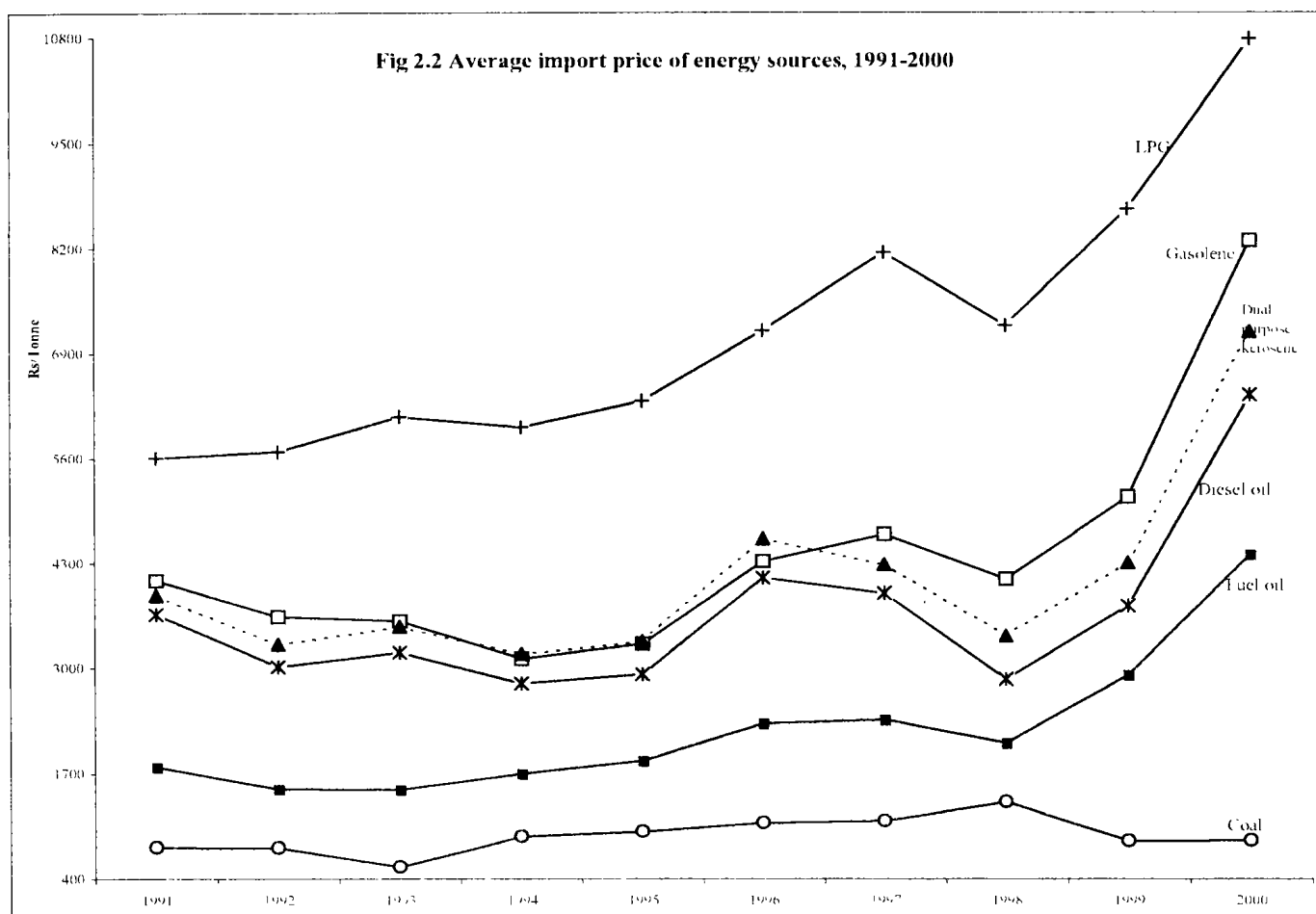


Table 2.9 - Re-exports of energy sources to foreign aircraft and bunkers, 1991 - 2000

Energy re-exported	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
<i>Tonne</i>										
Aviation fuel for foreign aircraft	64.389	47.998	45.538	45.346	42.758	44.572	54.004	53.147	78.263	87517
Diesel oil	53.385	58.953	42.602	85.749	85.054	102.149	104.817	127.316	122.123	159966
Fuel oil	19.376	27.200	18.062	25.533	19.967	26.252	25.708	35.322	46.939	57621
Total	137,150	134,151	106,202	156,628	147,779	172,973	184,529	215,785	247,325	247,325
<i>Ktoe</i>										
Aviation fuel for foreign aircraft	66.96	49.92	47.36	47.16	44.47	46.35	56.16	55.27	81.39	91.02
Diesel oil	53.92	59.54	43.03	86.61	85.90	103.17	105.87	128.59	123.34	161.57
Fuel oil	18.60	26.11	17.34	24.51	19.17	25.20	24.68	33.91	45.06	55.32
Total	139.48	135.57	107.73	158.28	149.54	174.73	186.71	217.77	249.79	307.90

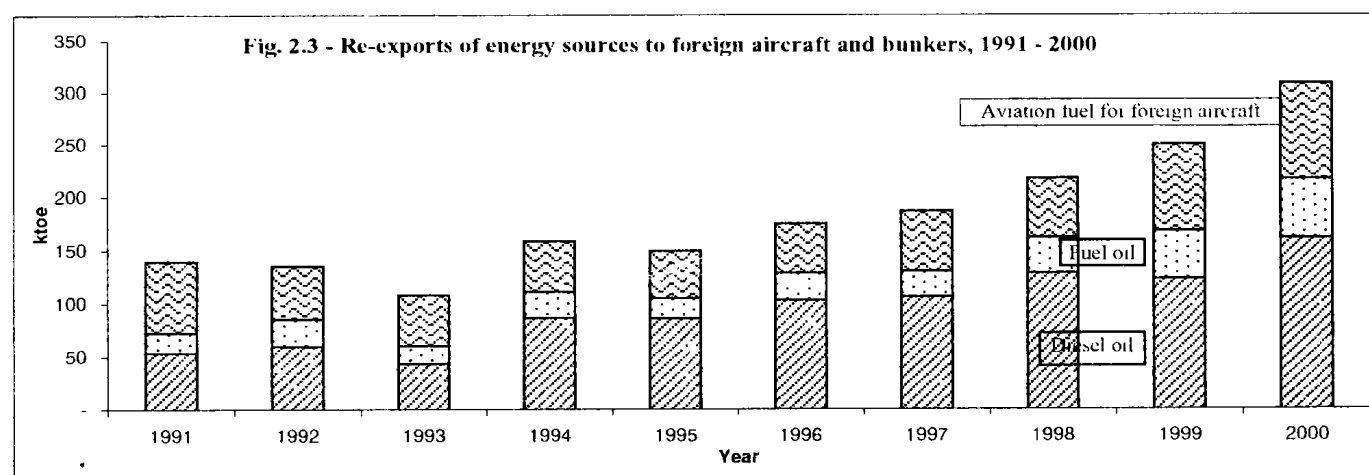


Table 2.10 - Energy ratios, 1991 - 2000

Details	Unit	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Total primary energy requirement	ktoe	741.67	801.87	814.84	820.71	882.97	918.56	950.96	1,017.37	1,000.21	1,164.65
<i>Imported</i>	ktoe	459.92	504.44	529.94	568.37	584.26	634.70	647.31	707.18	778.92	891.05
<i>Local</i>	ktoe	281.75	297.44	284.90	252.34	298.71	283.86	303.65	310.20	221.29	273.60
1. Total primary energy requirement index (1990 = 100)		101.00	109.20	110.96	111.76	120.24	125.09	129.50	138.54	136.21	158.60
2. Annual increase	%	+1.00	+8.20	+1.77	+0.80	+8.48	+4.85	+4.41	+9.04	-2.34	+22.39
3. Import dependency	%	62.01	62.91	65.04	69.25	66.17	69.10	68.07	69.51	77.88	76.51
GDP in 1990 rupees	Rs. Million	34,483	36,759	38,597	40,604	42,878	45,537	48,087	50,876	51,944	56,567
GDP index (1990 = 100)		104.40	111.29	116.85	122.93	129.82	137.87	145.59	154.03	157.26	171.26
4. Energy intensity	toe per Rs.100,000 GDP	2.15	2.18	2.11	2.02	2.06	2.02	1.98	2.00	1.93	2.06
Mid-year population	thousand	1,070	1,084	1,097	1,113	1,122	1,134	1,148	1,160	1,174	1,186
5. Per capita primary energy requirement	toe	0.69	0.74	0.74	0.74	0.79	0.81	0.83	0.88	0.85	0.98

Section III

Transformation of energy

Table 3.1 - Plant capacity, peak demand, electricity generation and consumption, 1991 - 2000

Year	Plant capacity (MW)				Peak Demand (MW)		Electricity generated (GWh)				Consumption (GWh)
	Installed		Effective				Hydro	Wind	Thermal	Total	
	Isl. of Mtius	Rod.	Isl. of Mtius	Rod.	Isl. of Mtius	Rod.					
1991	320.6	2.6	294.1	2.0	147.1	1.5	75.46	0.02	668.15	743.62	630.02
1992	331.7	3.6	283.9	3.0	155.7	1.8	113.06	0.17	703.48	816.72	694.41
1993	339.2	3.6	307.8	3.0	169.6	2.1	103.70	0.20	774.36	878.26	750.46
1994	339.2	3.6	307.8	3.0	187.2	2.3	75.45	0.21	880.16	955.82	818.59
1995	364.6	4.0	331.9	3.4	200.5	2.6	134.42	0.04	924.89	1,059.35	913.85
1996	364.6	4.0	331.9	3.4	218.7	2.9	103.82	0.10	1,060.37	1,164.29	995.96
1997	401.7	5.0	370.0	4.4	238.1	3.2	92.44	0.05	1,174.36	1,266.85	1,087.35
1998	480.4	6.0	396.7	5.4	248.9	3.5	104.17	-	1,277.54	1,381.71	1,190.31
1999	522.3	6.0	425.7	5.4	265.8	3.8	29.57	-	1,411.14	1,440.71	1,244.12
2000	615.0	6.0	497.9	5.4	283.9	3.8	95.26	-	1,489.25	1,584.51	1,374.57

Source: Central Electricity Board

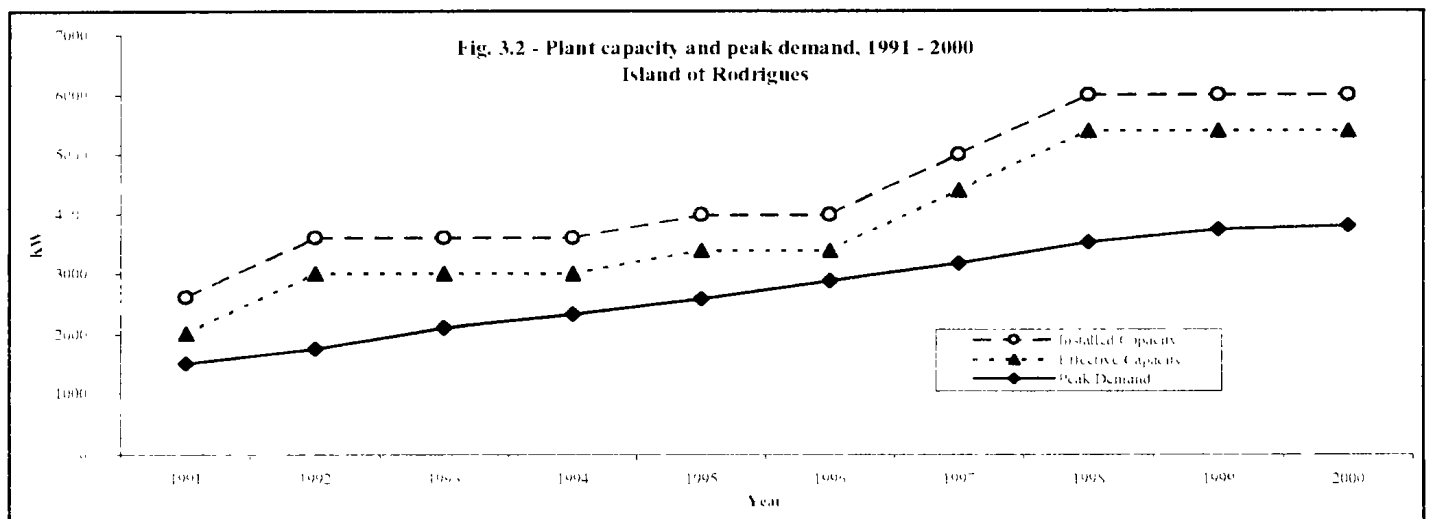
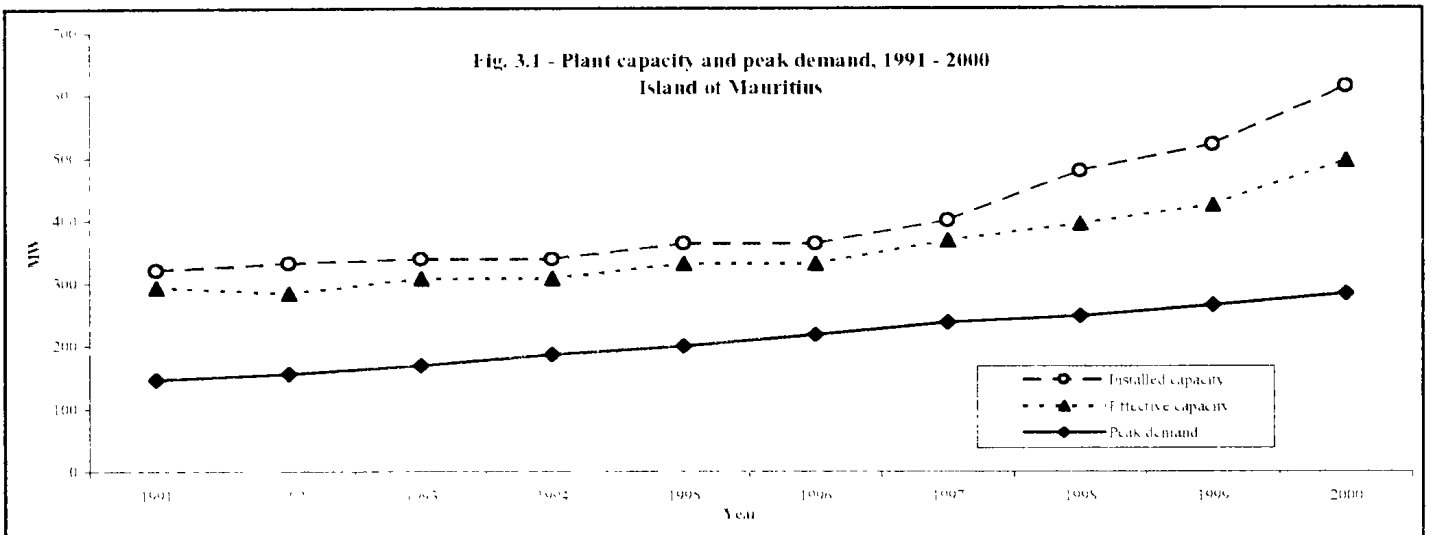


Table 3.2 - Plant capacity , 2000

Central Electricity Board (CEB)			Independent Power Producers (IPP)		
	Plant capacity (MW)			Plant capacity (MW)	
	Installed	Effective		Installed	Effective
Hydro:			Hydro:		
Champagne	30.00	28.00	Riche en Eau	0.20	0.20
Ferney	10.00	10.00	Bois Cheri	0.10	0.10
Tamarind Falls	11.10	8.00	Total	0.30	0.30
Le Val	4.00	4.00			
Reduit	1.20	1.20	Thermal:		
Cascade Cecile	1.00	1.00	Firm producers ¹	123.70	95.00
Magenta	0.94	0.80	F.U.E.L.	36.70	27.00
La Ferme	1.20	1.20	Compagnie thermique de Belle Vue	62.50	46.00
Total	59.44	54.20	Consolidated energy limited	24.50	22.00
			Continuous producers ²	83.00	40.40
Thermal:			Savannah	15.60	6.00
Island of Mauritius	348.52	308.00	Medine	10.00	8.00
St Louis	71.80	54.00	Britannia	0.60	0.50
Fort Victoria	61.72	45.00	Mon Desert Alma	11.60	5.00
Nicolay	78.00	76.00	Mon Loisir	14.00	4.50
Fort George	137.00	133.00	Beau Plan	0.40	0.40
Island of Rodrigues	6.00	5.40	Riche en Eau	6.50	5.00
			Union St. Aubin	12.70	6.00
Total	354.52	313.40	Mon Tresor Mon Desert	11.60	5.00
			Total	206.70	135.40
Total	413.96	367.60	Total	207.00	135.70
Total plant capacity			Installed	Effective	
1. Island of Mauritius			614.96	497.90	
<i>CEB</i>			407.96	362.20	
<i>IPP</i>			207.00	135.70	
2. Island of Rodrigues (CEB)			6.00	5.40	
Total			620.96	503.30	

1 Producing electricity all year round with bagasse coal

2 Producing electricity with bagasse only during crop season

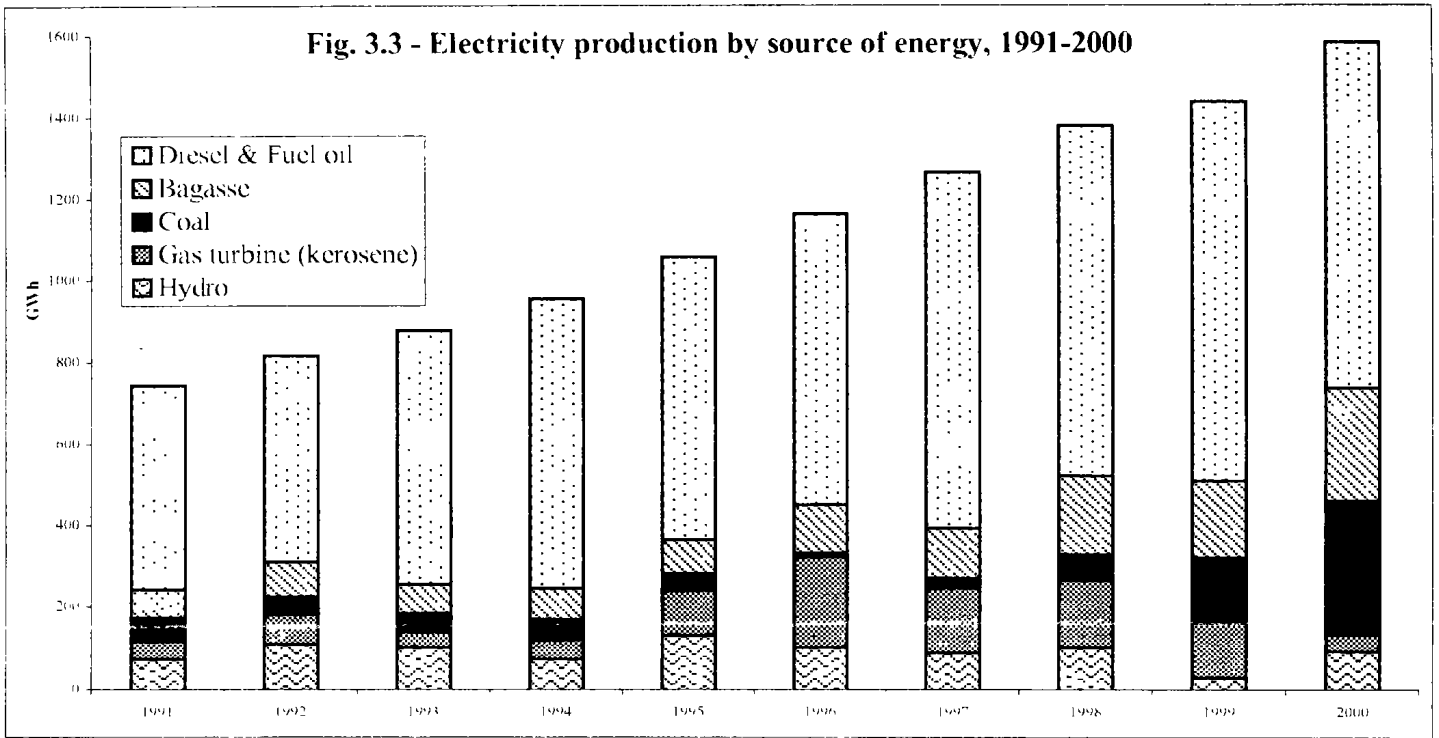


Table 3.5 - Generation of electricity by CEB and IPP, 1991 - 2000

	GWh									
Power station	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
CEB	619.47	687.69	766.39	832.10	934.08	1,035.29	1,118.60	1,123.29	1,096.95	983.33
<i>Hydro</i>	<i>74.90</i>	<i>112.45</i>	<i>102.90</i>	<i>75.23</i>	<i>134.17</i>	<i>103.65</i>	<i>92.18</i>	<i>103.95</i>	<i>29.53</i>	<i>95.25</i>
Champagne	24.70	44.31	42.73	29.35	53.25	38.01	30.73	32.36	10.66	31.50
Terney	24.73	29.76	29.43	23.08	35.68	28.35	28.83	30.19	10.70	27.75
Famann Falls	15.17	19.80	21.40	17.39	23.66	20.88	17.65	24.42	5.75	20.50
Fau Bleue	4.71	8.27	1.28	0.30	9.36	5.80	5.53	6.33	0.35	6.52
Reduit	1.66	3.04	2.96	2.01	4.07	3.15	2.55	1.98	0.16	1.88
Cascade Cecile	2.23	3.33	2.16	0.64	3.46	2.76	3.32	3.78	1.34	3.28
Magenta	1.56	2.27	2.71	2.11	2.85	2.50	1.93	2.84	0.57	2.32
La Ferme	0.14	1.67	0.23	0.35	1.84	2.20	1.63	2.05	-	1.51
<i>Wind</i>	<i>0.02</i>	<i>0.17</i>	<i>0.17</i>	<i>0.21</i>	<i>0.04</i>	<i>0.10</i>	<i>0.05</i>	-	-	-
Island of Rodrigues	0.02	0.17	0.20	0.21	0.04	0.10	0.05	-	-	-
<i>Thermal</i>	<i>544.55</i>	<i>575.06</i>	<i>663.32</i>	<i>756.66</i>	<i>799.87</i>	<i>931.54</i>	<i>1,026.37</i>	<i>1,019.35</i>	<i>1,067.41</i>	<i>888.08</i>
Fort Georges	-	31.13	240.23	275.95	292.07	306.33	477.23	450.10	513.70	595.43
St Louis	280.71	258.71	218.31	254.11	246.80	249.45	227.49	236.90	228.92	130.98
Fort Victoria	213.64	208.05	156.23	169.28	143.22	143.52	152.38	154.95	170.04	99.28
Nicolay	43.79	69.29	39.60	47.60	105.84	219.03	154.21	161.93	136.64	42.77
Island of Rodrigues	6.41	7.88	8.95	10.59	11.94	13.21	15.06	16.92	18.11	19.62
IPP	124.16	129.03	111.84	122.85	125.27	129.00	148.25	256.95	343.76	601.18
<i>Hydro</i>	<i>0.56</i>	<i>0.61</i>	<i>0.80</i>	<i>0.22</i>	<i>0.25</i>	<i>0.17</i>	<i>0.25</i>	<i>0.22</i>	<i>0.04</i>	<i>0.01</i>
Riche en Fau	0.47	0.52	0.70	0.14	0.11	0.06	0.17	0.13	0.00	0.00
Bois Chen	0.09	0.08	0.10	0.08	0.13	0.11	0.08	0.09	0.03	0.01
<i>Thermal</i>	<i>123.60</i>	<i>128.42</i>	<i>111.04</i>	<i>122.63</i>	<i>125.02</i>	<i>128.83</i>	<i>148.00</i>	<i>256.73</i>	<i>343.72</i>	<i>601.17</i>
<i>Coal (Firm producers¹)</i>	<i>53.50</i>	<i>43.10</i>	<i>40.00</i>	<i>46.00</i>	<i>40.90</i>	<i>9.84</i>	<i>23.38</i>	<i>62.39</i>	<i>155.20</i>	<i>322.72</i>
<i>Bagasse</i>	<i>70.10</i>	<i>85.32</i>	<i>71.04</i>	<i>76.63</i>	<i>84.12</i>	<i>119.00</i>	<i>124.61</i>	<i>194.34</i>	<i>188.53</i>	<i>278.45</i>
Firm producers ¹	...	...	...	...	49.14	79.61	66.07	81.81	110.76	166.96
Continuous producers ²	...	...	...	...	34.98	39.39	58.54	112.53	77.76	111.49
Total	743.62	816.72	878.23	954.95	1,059.35	1,164.29	1,266.85	1,380.24	1,440.71	1,584.51

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

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

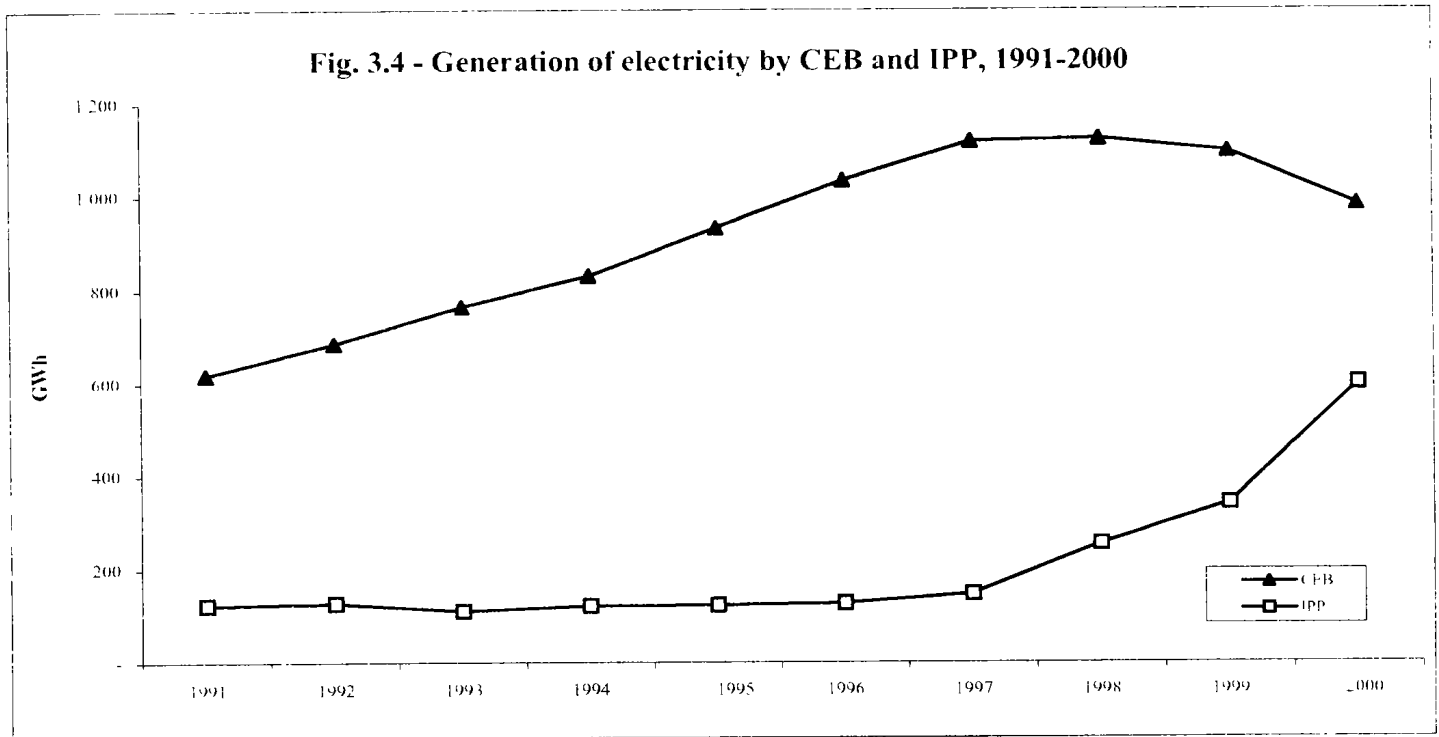


Table 3.6 - Percentage share of electricity generated by CEB and IPP, 1991 - 2000

	%									
Power station	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
CEB	83.3	84.2	87.3	87.1	88.2	88.9	88.3	81.4	76.1	62.1
<i>Hydro</i>	<i>10.1</i>	<i>13.8</i>	<i>11.7</i>	<i>7.9</i>	<i>12.7</i>	<i>8.9</i>	<i>7.3</i>	<i>7.5</i>	<i>2.0</i>	<i>6.0</i>
Champagne	3.3	5.4	4.9	3.1	5.0	3.3	2.4	2.3	0.7	2.0
Ferney	3.3	3.6	3.4	2.4	3.4	2.4	2.3	2.2	0.7	1.8
Tamarin Falls	2.0	2.4	2.4	1.8	2.2	1.8	1.4	1.8	0.4	1.3
Eau Bleue	0.6	1.0	0.1	0.0	0.9	0.5	0.4	0.5	0.0	0.4
Reduit	0.2	0.4	0.3	0.2	0.4	0.3	0.2	0.1	0.0	0.1
Cascade Cecile	0.3	0.4	0.2	0.1	0.3	0.2	0.3	0.3	0.1	0.2
Magenta	0.2	0.3	0.3	0.2	0.3	0.2	0.2	0.2	0.0	0.1
La Ferme	0.0	0.2	0.0	0.0	0.2	0.2	0.1	0.1	0.0	0.1
<i>Wind</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>
Island of Rodrigues	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<i>Thermal</i>	<i>73.2</i>	<i>70.4</i>	<i>75.5</i>	<i>79.2</i>	<i>75.5</i>	<i>80.0</i>	<i>81.0</i>	<i>73.9</i>	<i>74.1</i>	<i>56.0</i>
Fort Georges	-	3.8	27.4	28.9	27.6	26.3	37.7	32.6	35.7	37.6
St Louis	37.7	31.7	24.9	26.6	23.3	21.4	18.0	17.2	15.9	8.3
Fort Victoria	28.7	25.5	17.8	17.7	13.5	12.3	12.0	11.2	11.8	6.3
Nicolay	5.9	8.5	4.5	5.0	10.0	18.8	12.2	11.7	9.5	2.7
Island of Rodrigues	0.9	1.0	1.0	1.0	1.1	1.1	1.2	1.1	1.3	1.2
IPP	16.7	15.8	12.7	12.9	11.8	11.1	11.7	18.6	23.9	37.9
<i>Hydro</i>	<i>0.1</i>	<i>0.1</i>	<i>0.1</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>
Riche en Lau	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bois Cheri	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<i>Thermal</i>	<i>16.6</i>	<i>15.7</i>	<i>12.6</i>	<i>12.8</i>	<i>11.8</i>	<i>11.1</i>	<i>11.7</i>	<i>18.6</i>	<i>23.9</i>	<i>37.9</i>
<i>Coal (Lim producers¹)</i>	7.2	5.3	4.6	4.8	3.9	0.8	1.8	4.5	10.8	20.4
<i>Bagasse</i>	9.4	10.4	8.1	8.0	7.9	10.2	9.8	14.1	13.1	17.6
Lim producers ¹	...	...	...	...	4.6	6.8	5.2	5.9	7.7	10.5
Continuous producers ²	...	...	...	...	3.3	3.4	4.6	8.2	5.4	7.0
Total	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

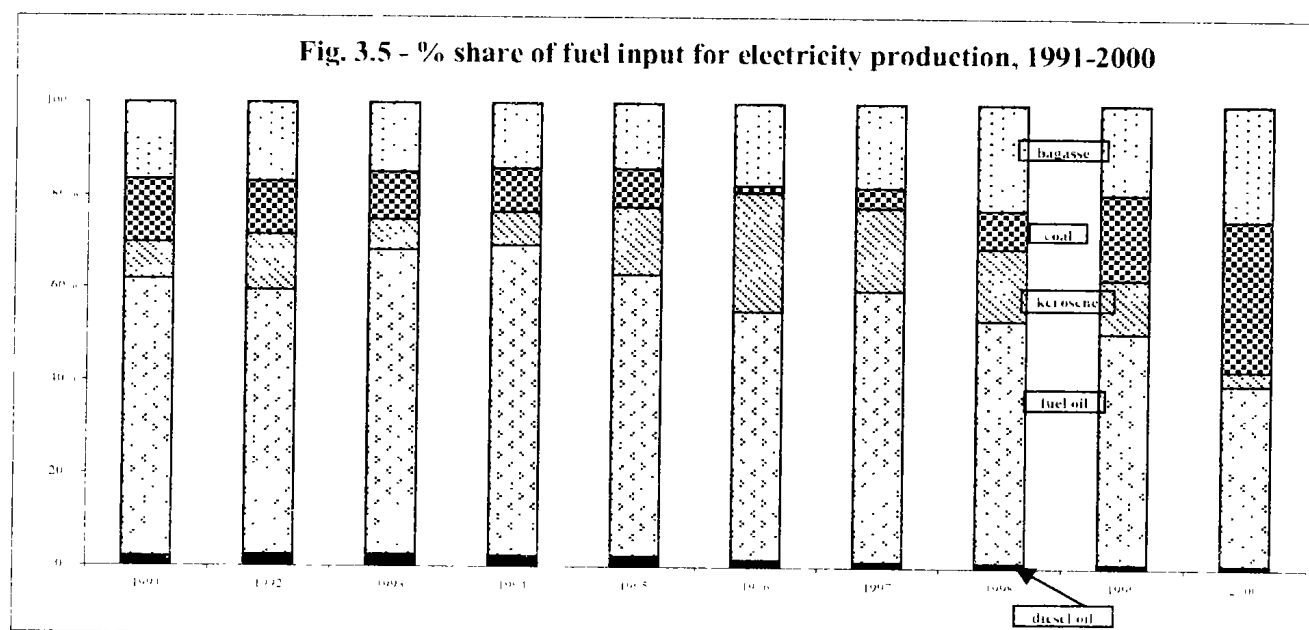
2 Producing electricity with bagasse only during crop season

Table 3.7 - Fuel input for electricity production, 1991 - 2000

Fuel	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Tonne										
Island of Mauritius										
Fuel oil	108,651	108,096	128,125	147,129	142,886	145,398	160,798	176,006	190,683	171,343
Diesel oil	2,049	2,609	2,768	2,844	2,599	2,202	2,299	2,529	3,064	2,822
Kerosene	13,558	21,330	12,272	14,789	32,332	65,827	46,993	49,676	41,948	13,081
Coal	38,468	33,780	30,853	31,949	30,289	6,557	18,430	45,035	112,123	228,520
Bagasse *	179,020	191,070	172,700	184,232	197,389	287,210	300,726	464,773	451,020	671,900
Island of Rodrigues										
Diesel oil **	1,440	1,775	2,010	2,190	2,685	2,230	1,130	1,223	440	542
Fuel oil **	-	-	-	-	-	611	1,860	2,726	3,740	4,172
ktoe										
Island of Mauritius										
Fuel oil	104.30	103.77	123.00	141.24	137.17	139.58	154.37	168.97	183.06	164.49
Diesel oil	2.07	2.64	2.80	2.87	2.62	2.22	2.32	2.55	3.10	2.85
Kerosene	14.10	22.18	12.76	15.38	33.63	68.46	48.87	51.66	43.63	13.60
Coal	23.85	20.94	19.13	19.81	18.78	4.07	11.43	27.92	69.52	141.68
Bagasse *	28.64	30.57	27.63	29.48	31.58	45.95	48.12	74.36	72.16	107.50
Sub total	172.97	180.11	185.32	208.78	223.78	260.28	265.10	325.47	371.46	430.13
Island of Rodrigues										
Diesel oil **	1.45	1.79	2.03	2.21	2.71	2.25	1.14	1.24	0.44	0.55
Fuel oil **	-	-	-	-	-	0.59	1.79	2.62	3.59	4.00
Sub total	1.45	1.79	2.03	2.21	2.71	2.84	2.93	3.85	4.03	4.55
Total	174.42	181.90	187.35	210.99	226.49	263.12	268.03	329.32	375.49	434.68
Percentage										
Island of Mauritius										
Fuel oil	59.8	57.0	65.7	66.9	60.6	53.0	57.6	51.3	48.8	37.8
Diesel oil	1.2	1.4	1.5	1.4	1.2	0.8	0.9	0.8	0.8	0.7
Kerosene	8.1	12.2	6.8	7.3	14.8	26.0	18.2	15.7	11.6	3.1
Coal	13.7	11.5	10.2	9.4	8.3	1.5	4.3	8.5	18.5	32.6
Bagasse *	16.4	16.8	14.7	14.0	13.9	17.5	18.0	22.6	19.2	24.7
Sub total	99.2	99.0	98.9	99.0	98.8	98.9	98.9	98.8	98.9	99.0
Island of Rodrigues										
Diesel oil **	0.8	1.0	1.1	1.0	1.2	0.9	0.4	0.4	0.1	0.1
Fuel oil **	-	-	-	-	-	0.2	0.7	0.8	1.0	0.9
Sub total	0.8	1.0	1.1	1.0	1.2	1.1	1.1	1.2	1.1	1.0
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

* Estimates

** Figures for 1991-1997 are estimates



Section IV

Final energy consumption

Table 4.1 - Final energy consumption* by sector (Energy unit), 1991 - 2000

Sector	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
1. Manufacturing	324.89	345.83	348.71	332.04	373.75	367.54	396.80	386.90	325.46	354.45
1.1 excluding bagasse	193.69	199.32	176.48	133.67	142.96	158.28	199.36	178.35	187.32	213.41
1.2 bagasse	131.20	146.51	172.23	198.37	230.79	209.26	197.44	208.55	138.14	141.03
2. Transport	120.29	149.33	256.38	269.73	268.77	285.46	291.33	309.21	325.96	388.94
3. Household	99.06	102.59	110.73	111.41	120.44	117.47	134.89	143.37	149.04	167.19
4. Commercial and Distributive Trade	36.45	40.97	45.39	50.30	55.10	60.39	68.02	75.45	79.31	87.21
5. Agriculture	4.65	5.07	4.94	5.91	5.73	6.77	6.64	7.80	7.27	8.42
6. Other (n.e.s) and losses	22.47	24.58	24.83	26.37	28.44	33.49	35.13	37.71	39.02	42.78
TOTAL	707.81	768.37	790.58	795.76	852.22	881.12	932.84	960.43	926.05	1048.98

* Revised to include electricity consumption in Road

Table 4.2 - Percentage share of final energy consumption* by sector, 1991 - 2000

Sector	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
1. Manufacturing	45.9	45.0	44.1	41.7	43.9	41.7	42.5	40.3	35.1	33.8
1.1 excluding bagasse	27.4	25.9	22.3	16.8	16.8	18.0	21.5	18.5	20.3	20.3
1.2 bagasse	18.5	19.1	21.8	24.9	27.1	23.7	21.0	21.8	14.8	13.4
2. Transport	17.1	19.4	32.4	33.9	31.5	32.4	31.2	32.2	35.2	37.1
3. Household	14.0	13.4	13.9	14.0	14.1	14.5	14.5	14.9	16.1	15.9
4. Commercial and Distributive Trade	5.1	5.3	5.7	6.3	6.5	6.9	7.3	7.9	8.6	8.3
5. Agriculture	0.7	0.7	0.6	0.7	0.7	0.8	0.7	0.8	0.8	0.8
6. Other (n.e.s) and losses	3.2	3.2	3.1	3.3	3.3	3.8	3.8	3.9	4.2	4.1
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Revised

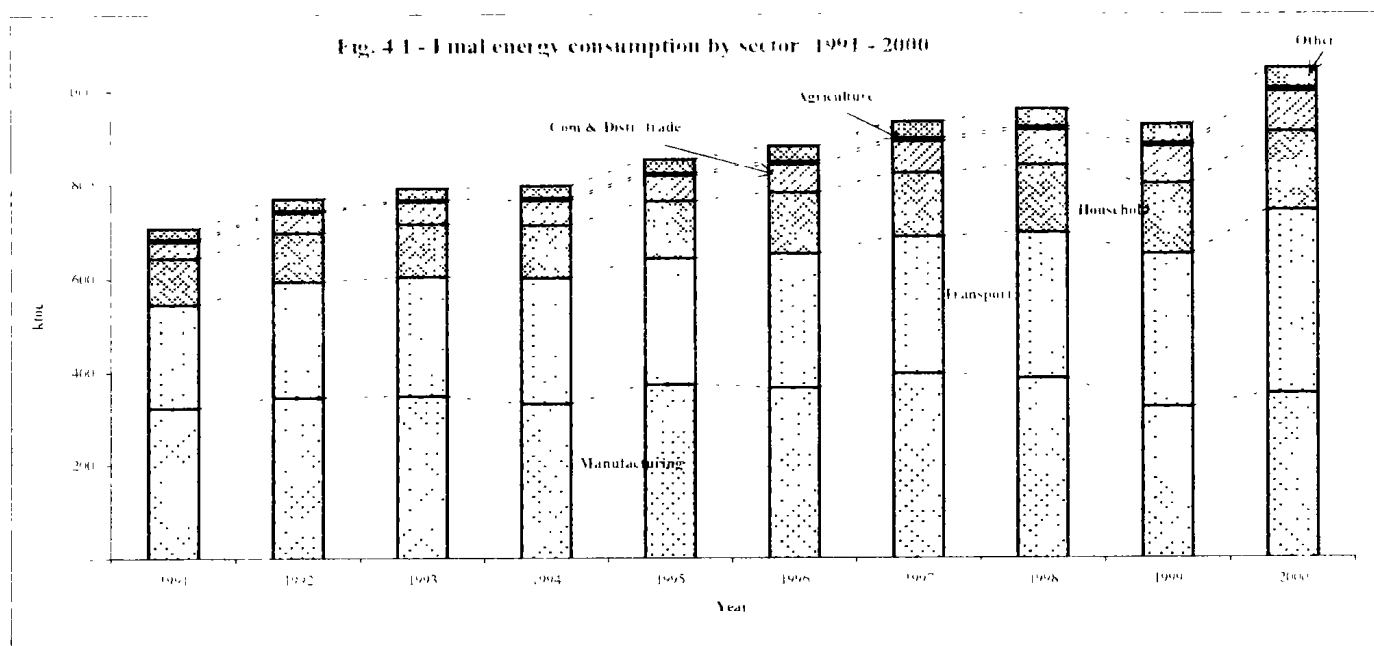


Table 4.3 - Final energy consumption by sector and type of fuel (Physical unit), 1991 - 2000

Sector	Unit	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
1. Manufacturing											
1.1 excluding bagasse											
Fuel oil	tonne	23,687	26,909	29,362	31,814	34,203	36,590	39,518	42,774	45,150	52,897
Diesel oil	tonne	13,500	15,000	16,459	18,373	17,255	23,367	26,622	30,233	32,650	41,600
LPG	tonne	1,300	1,800	2,200	2,470	2,550	2,761	3,179	3,276	3,600	3,689
Coal	tonne	21,500	27,000	31,593	30,647	32,797	33,727	27,242	25,713	24,490	24,464
Fuel wood ¹	tonne	11,267	7,070	7,142	4,382	3,900	3,400	2,500	2,000	1,800	1,500
Electricity ²	GWh	232.8	245.3	259.0	278.3	309.7	338.0	364.8	394.1	414.8	458.61
1.2 bagasse	tonne	1,364,253	1,434,409	1,389,567	1,239,912	1,442,421	1,307,894	1,440,250	1,302,219	863,350	881,461
2. Transport											
Gasoline	tonne	61,453	67,848	72,308	79,595	83,958	87,387	87,671	88,592	89,500	106,000
LPG	tonne	-	-	-	-	-	-	-	264	485	633
Diesel oil	tonne	80,165	86,319	94,092	99,202	101,876	106,224	113,361	118,934	126,500	159,769
Aviation fuel (local aircraft)	tonne	70,153	85,454	80,052	80,363	72,305	80,569	79,025	89,537	97,126	108,082
3. Household											
Kerosene	tonne	14,082	12,296	11,699	10,793	10,590	10,504	9,533	9,472	9,100	11,418
LPG	tonne	22,500	25,000	27,458	27,550	28,600	30,437	32,313	32,837	34,700	40,790
Fuel wood ¹	tonne	26,291	16,498	16,664	10,226	9,100	8,600	8,000	8,000	8,000	7,500
Charcoal ¹	tonne	1,200	1,100	1,000	500	400	300	200	200	200	150
Electricity ²	GWh	223.81	253.28	278.82	300.81	339.95	364.47	394.93	431.20	449.60	492.29
4. Commercial and Distributive Trade											
LPG	tonne	2,100	2,500	3,264	3,281	3,150	3,356	3,650	4,000	4,500	4,150
Charcoal ¹	tonne	1,400	1,200	1,000	1,000	800	500	300	300	300	300
Electricity ²	GWh	150.67	169.90	186.92	209.18	232.29	256.35	290.26	322.32	337.38	375.01
5. Agriculture											
Diesel oil ¹	tonne	1,500	1,600	1,700	1,800	1,900	2,000	2,100	2,200	2,300	2,400
Electricity ²	GWh	14.25	15.69	14.63	18.59	17.31	21.60	20.53	25.34	22.47	27.24

1. Excludes

2. Revised to include Fland of Rodrigues

Table 4.4 - Final energy consumption by sector and type of fuel (Energy unit), 1991 - 2000

Sector	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
1. Manufacturing	324.89	345.83	348.81	332.04	373.75	367.54	396.80	386.90	325.46	354.45
1.1 excluding bagasse	106.60	116.32	126.48	133.65	142.96	158.28	166.36	178.55	187.32	213.41
Fuel oil	22.74	25.83	28.19	30.54	32.83	35.13	37.94	41.06	43.34	50.78
Diesel oil	13.64	15.15	16.62	18.56	17.43	23.60	26.89	30.54	32.98	42.02
LPG	1.40	1.94	2.38	2.67	2.75	2.98	3.43	3.54	3.89	3.98
Coal	13.33	16.74	19.59	19.00	20.33	20.91	16.89	15.94	15.18	15.17
Fuel wood ¹	4.28	2.69	2.71	1.67	1.48	1.29	0.95	0.76	0.68	0.57
Electricity ²	51.21	53.97	56.99	61.22	68.13	74.36	80.26	86.71	91.25	100.90
1.2 bagasse	218.28	229.51	222.33	198.39	230.79	209.26	230.44	208.36	138.14	141.03
2. Transport	220.29	249.33	256.38	269.73	268.77	285.46	291.37	309.21	325.96	388.94
Gasolene	66.37	73.28	78.09	85.96	90.67	94.38	94.68	95.68	96.66	114.48
LPG	-	-	-	-	-	-	-	0.28	0.52	0.68
Diesel oil	80.97	87.18	95.03	100.19	102.89	107.29	114.49	120.12	127.77	161.37
Aviation Fuel	72.96	88.87	83.25	83.58	75.20	83.79	82.19	93.12	101.01	112.41
3. Household	99.06	102.59	110.23	111.41	120.44	127.47	134.89	143.37	149.04	167.19
Kerosene	14.65	12.79	12.17	11.22	11.01	10.92	9.91	9.85	9.46	11.87
LPG	24.30	27.00	29.65	29.75	30.89	32.87	34.90	35.46	37.48	44.05
Fuel wood ¹	9.99	6.27	6.33	3.89	3.46	3.27	3.04	3.04	3.04	2.85
Charcoal ¹	0.89	0.81	0.74	0.37	0.30	0.22	0.15	0.15	0.15	0.11
Electricity ²	49.24	55.72	61.34	66.18	74.79	80.18	86.89	94.86	98.91	108.30
4. Commercial and Distributive Trade	36.45	40.97	45.39	50.30	55.10	60.39	68.02	75.45	79.31	87.21
LPG	2.27	2.70	3.53	3.54	3.40	3.62	3.94	4.32	4.86	4.48
Charcoal ¹	1.04	0.89	0.74	0.74	0.59	0.37	0.22	0.22	0.22	0.22
Electricity ²	33.15	37.38	41.12	46.02	51.10	56.40	63.86	70.91	74.22	82.50
5. Agriculture	4.65	5.07	4.94	5.91	5.73	6.77	6.64	7.80	7.27	8.42
Diesel oil ¹	1.52	1.62	1.72	1.82	1.92	2.02	2.12	2.22	2.32	2.42
Electricity ²	3.14	3.45	3.22	4.09	3.81	4.75	4.52	5.57	4.94	5.99
6. Other (n.e.s) and losses	22.47	24.58	24.83	26.37	28.44	33.49	35.13	37.71	39.02	42.78
TOTAL	707.81	768.37	790.58	795.76	852.22	881.12	932.84	960.43	926.05	1,048.98

1. Estimates

2. Revised to include Island of Rodrigues

Table 4.6 - Sales of electricity by type of tariff, 1991 - 2000 (Republic of Mauritius)

Tariff group	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Number of consumers										
Domestic	209,593	218,074	226,945	232,348	244,286	253,157	261,204	269,981	279,432	288,402
Commercial	19,063	20,000	21,176	22,051	23,648	24,408	25,027	25,758	26,642	27,820
Industrial	5,322	5,627	5,886	6,136	6,502	6,647	6,701	6,854	7,090	7,007
Other	197	198	201	223	236	245	252	258	281	289
Total	234,175	243,899	254,208	260,758	274,672	284,457	293,184	302,851	313,445	323,518
GWh sold										
Domestic	223.8	253.5	273.5	300.1	340.0	364.5	394.9	431.2	490.6	492.3
Commercial	150.7	169.9	186.9	209.2	232.3	256.3	290.3	322.3	357.4	375.0
Industrial	247.0	261.0	273.7	296.9	327.0	359.6	385.3	419.5	437.2	485.9
Other	8.5	10.3	10.9	11.8	14.6	15.6	16.8	17.3	19.9	21.4
Total	630.0	694.5	750.3	818.6	913.9	996.0	1,087.4	1,190.3	1,244.1	1,374.6
Value sold (Rs.mn)										
Domestic	419.8	502.3	601.5	652.4	742.8	794.6	865.1	951.1	959.5	1,156.3
Commercial	348.4	413.2	492.3	549.1	612.2	670.9	769.6	810.8	823.8	1,038.5
Industrial	438.5	476.2	514.7	555.0	602.1	652.8	710.0	735.1	789.4	909.8
Other	25.8	32.3	33.2	35.2	17.3	43.9	50.8	52.3	56.9	66.3
Total	1,232.4	1,424.1	1,641.6	1,791.8	1,974.3	2,162.2	2,395.6	2,549.4	2,629.5	3,171.0

Source: Central Electricity Board

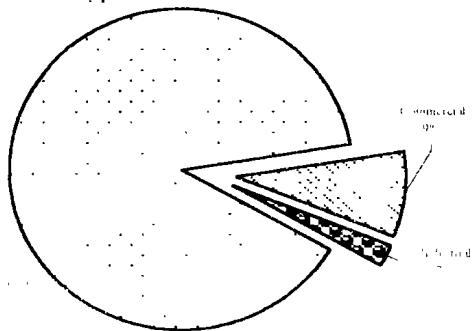
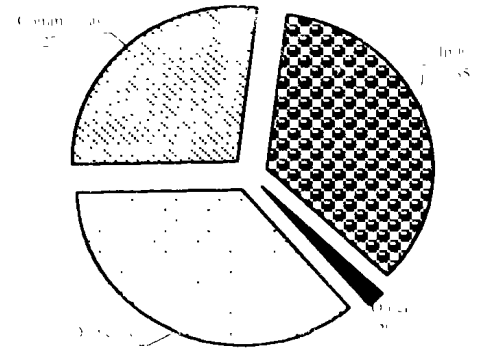
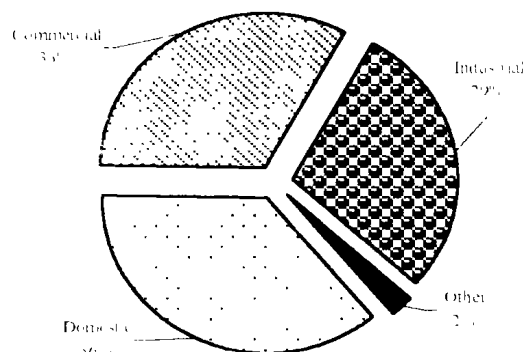
Fig. 4.2 - % distribution of electricity consumers by type of tariff, 2000**Fig. 4.3 - % share of GWh consumed by type of tariff, 2000****Fig. 4.4 - % share of sales value of electricity by type of tariff, 2000**

Fig. 4.5 - Sales of electricity by type of tariff, 1991-2000
(Republic of Mauritius)

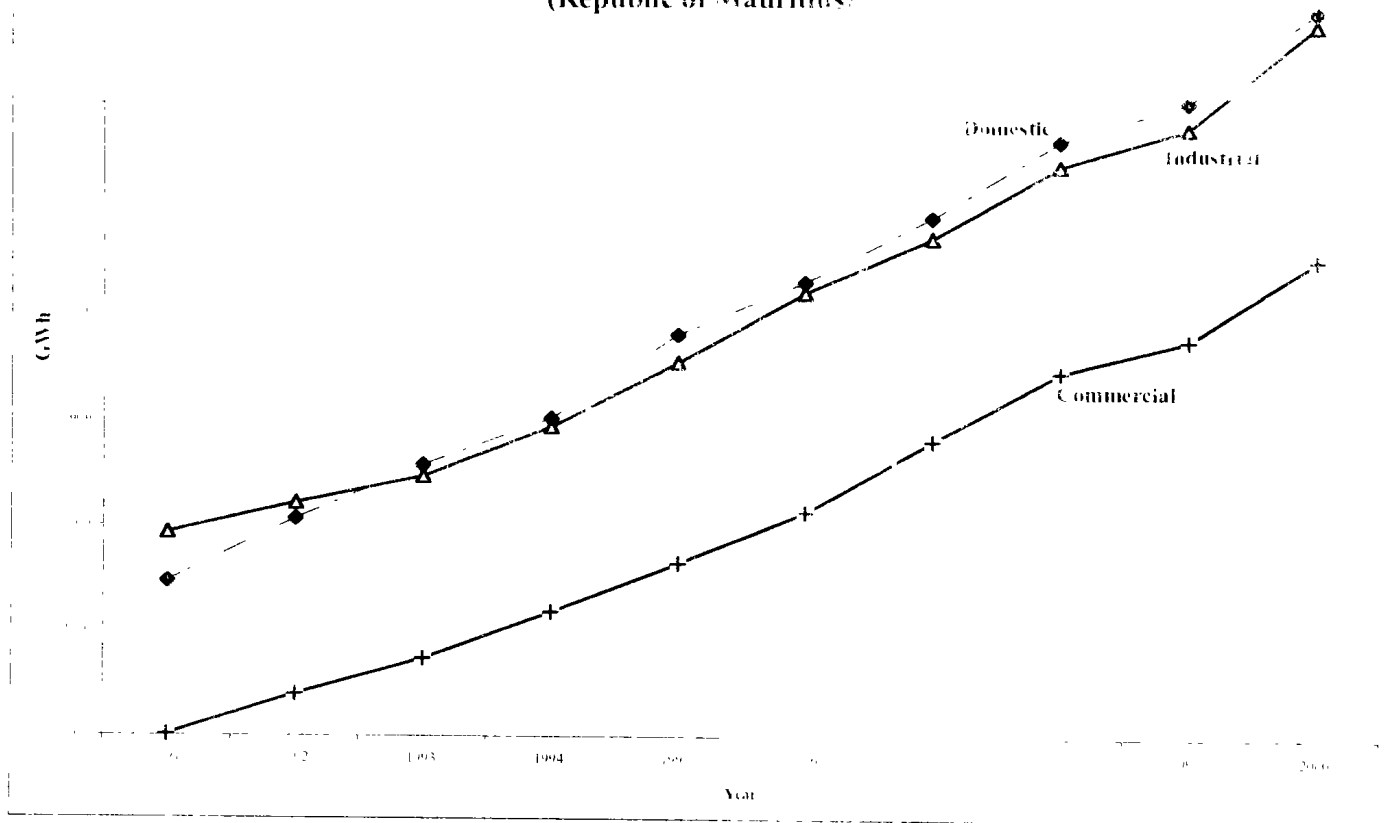


Fig. 4.6 - Sales value of electricity by type of tariff, 1991-2000
(Republic of Mauritius)

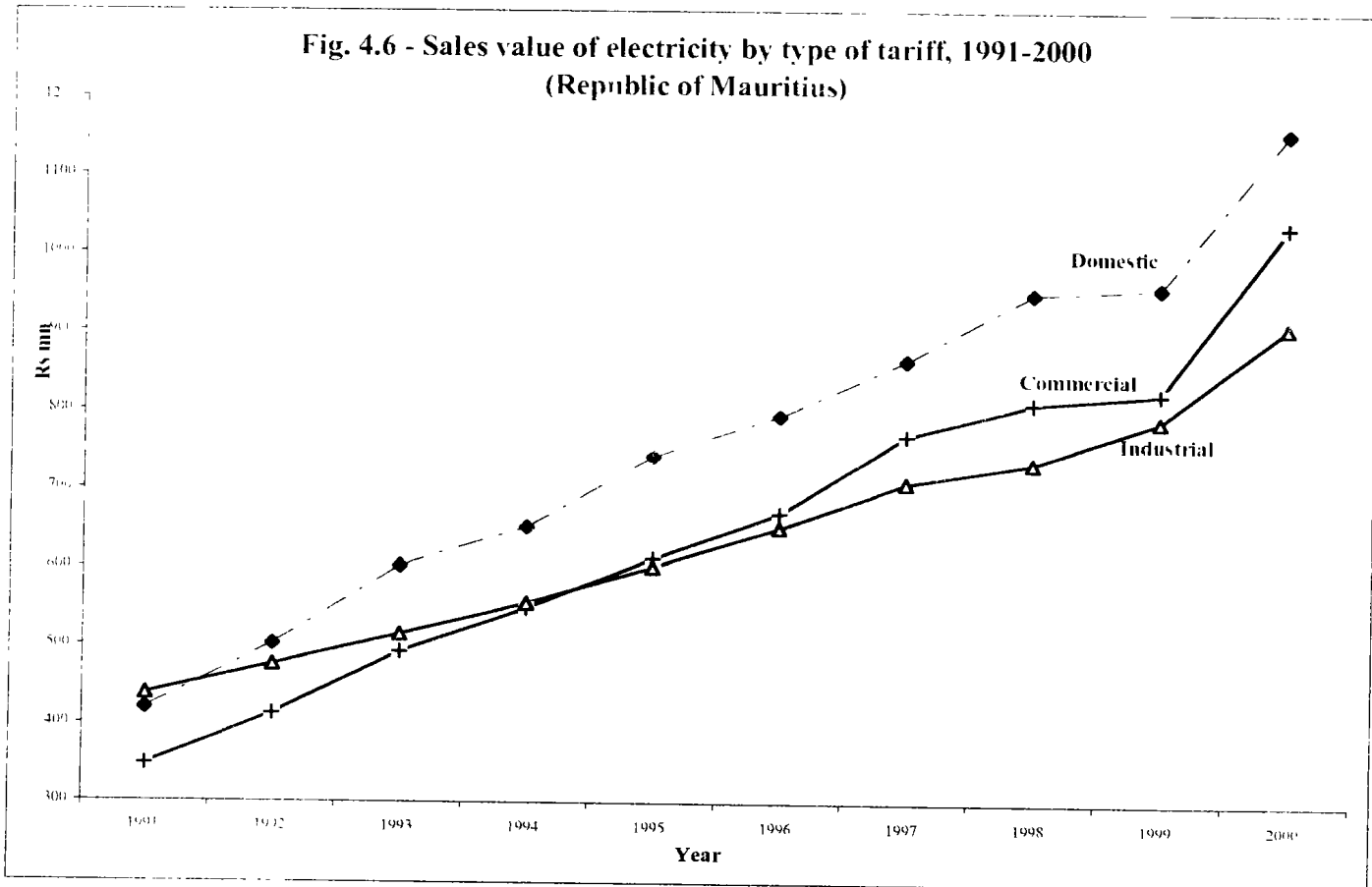


Table 4.7 - Sales of electricity by type of tariff, 1991 - 2000 (Island of Mauritius)

Tariff group	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Number of consumers										
Domestic	203,741	211,655	220,309	225,450	237,209	245,769	253,518	261,971	271,061	279,886
Commercial	18,510	19,400	20,503	21,356	22,924	23,631	24,216	24,914	25,730	26,915
Industrial	5,252	5,550	5,803	6,038	6,404	6,539	6,596	6,751	6,981	6,879
<i>General</i>	5,122	5,361	5,593	5,807	6,165	6,269	6,308	6,342	6,419	6,531
<i>Irrigation</i>	130	189	211	231	241	270	288	409	562	348
Other	196	197	200	222	230	239	246	251	257	283
Total	227,699	236,802	246,815	253,066	266,767	276,178	284,576	293,887	304,029	313,963
GWh sold										
Domestic	270.4	249.3	274.3	295.6	334.1	357.9	387.4	422.7	440.3	482.1
Commercial	149.4	168.3	185.0	206.8	229.6	253.6	287.1	318.6	333.5	370.7
Industrial	246.4	260.2	272.7	298.8	318.0	338.0	383.8	417.8	435.5	484.5
<i>General</i>	232.2	244.5	258.1	277.2	308.4	336.7	363.2	392.5	413.1	457.3
<i>Irrigation</i>	14.2	15.7	14.6	18.6	7.3	7.3	20.5	25.3	22.5	27.2
Other	8.5	10.3	10.9	11.8	14.6	15.6	16.8	17.3	19.9	21.2
<i>Street Lighting</i>	7.5	8.3	9.0	9.9	12.6	13.5	14.7	15.0	17.6	19.2
<i>Temporary</i>	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1
<i>CLB</i>	0.9	1.9	1.8	1.8	1.9	2.0	2.0	2.2	2.2	1.9
Total	624.7	688.0	742.9	810.0	904.0	985.0	1,075.1	1,176.4	1,229.3	1,358.5
Value sold (Rs. mn)										
Domestic	413.0	494.4	591.7	641.4	730.3	780.8	849.4	933.1	939.5	1,134.0
Commercial	345.0	408.5	486.5	541.9	604.0	662.5	760.3	799.7	811.9	1,024.8
Industrial	437.0	474.2	512.2	552.3	598.9	648.7	706.4	731.3	785.6	906.6
<i>General</i>	418.4	453.4	492.4	527.2	575.4	619.5	677.6	688.5	724.9	868.8
<i>Irrigation</i>	18.6	20.8	19.8	25.2	23.5	29.2	28.8	42.8	60.7	37.8
Other	25.8	32.3	33.1	35.2	17.2	13.8	50.7	52.3	56.8	65.7
Total	1,220.9	1,409.4	1,623.5	1,770.8	1,950.5	2,135.9	2,366.8	2,516.4	2,593.8	3,131.1
Average sales price (Rs./kWh)										
Domestic	1.87	1.98	2.16	2.17	2.19	2.18	2.19	2.21	2.13	2.35
Commercial	2.31	2.43	2.63	2.62	2.63	2.61	2.65	2.51	2.43	2.76
Industrial	1.77	1.82	1.88	1.87	1.84	1.81	1.84	1.75	1.80	1.87
<i>General</i>	1.80	1.85	1.91	1.90	1.87	1.84	1.87	1.75	1.75	1.90
<i>Irrigation</i>	1.30	1.33	1.36	1.35	1.36	1.37	1.40	1.69	2.70	1.39
Other	3.06	3.14	3.03	3.00	1.18	1.82	3.02	3.02	2.85	3.10
Average	1.95	2.05	2.19	2.19	2.16	2.17	2.20	2.14	2.11	2.30
Average no. of units per consumer (kWh)										
Domestic	1,082	1,178	1,245	1,311	1,408	1,456	1,528	1,613	1,624	1,723
Commercial	8,073	8,674	9,021	9,682	10,017	10,730	11,857	12,787	12,961	13,771
Industrial	46,915	46,883	46,993	48,990	50,859	54,753	58,181	61,894	62,389	70,430
<i>General</i>	45,330	45,605	46,151	47,744	50,635	53,715	57,582	61,891	64,351	70,014
<i>Irrigation</i>	1,096.11	83,038	69,314	80,464	71,820	78,834	71,291	61,946	39,985	78,223
Other	38,228	42,365	45,188	44,402	54,874	56,405	59,909	59,599	68,419	67,843
Average	2,743	2,906	3,010	3,201	3,389	3,567	3,778	4,003	4,043	4,327

Source: Central Electricity Board

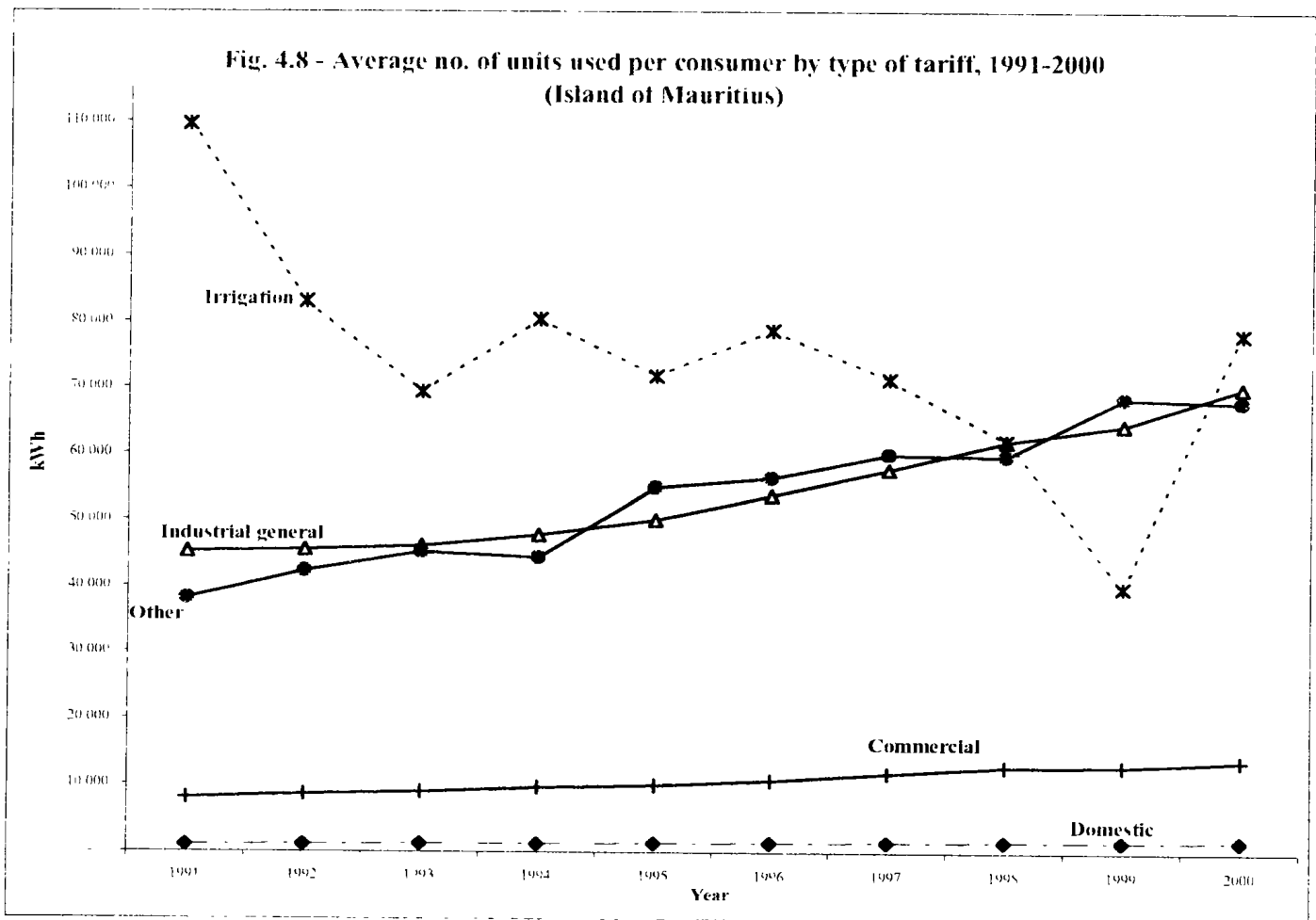
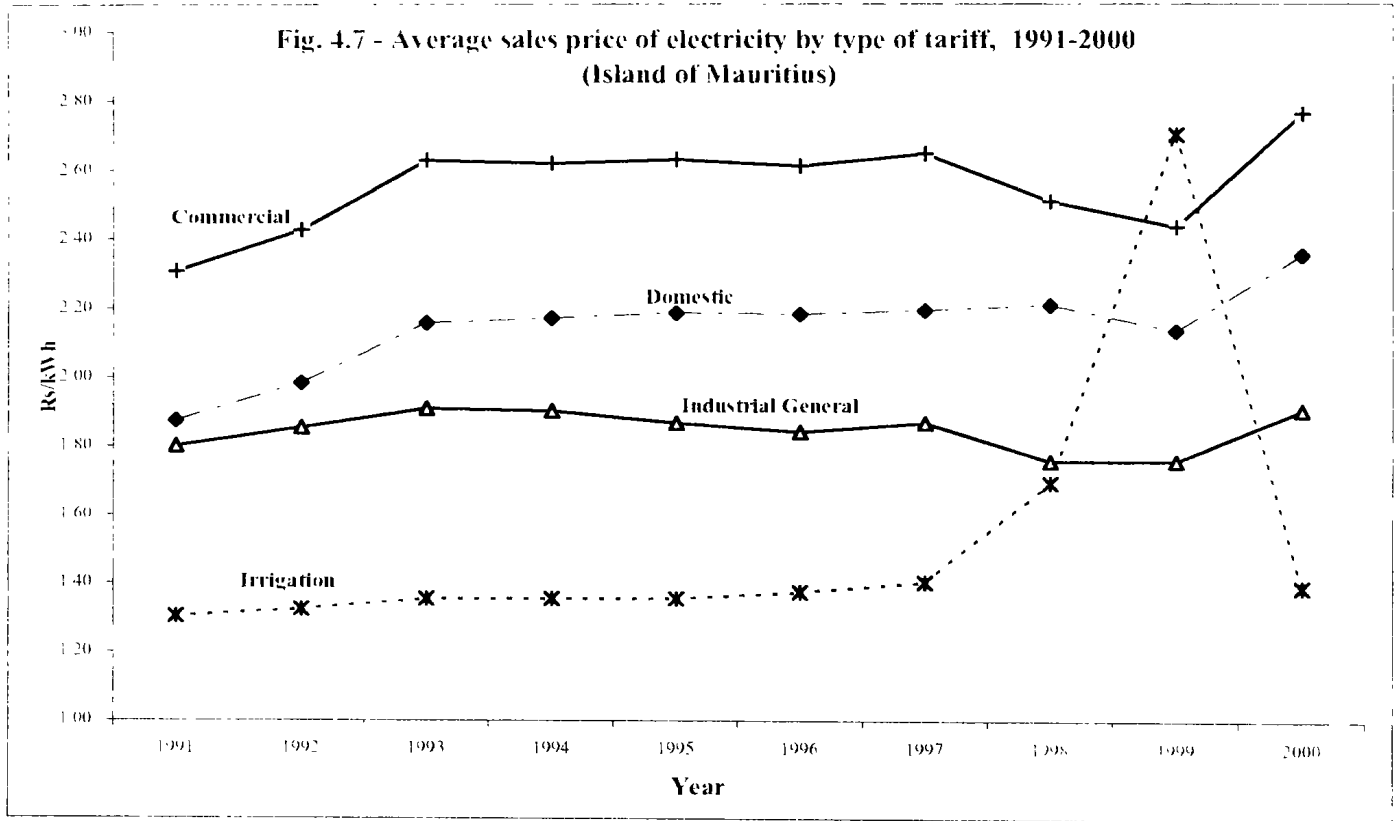
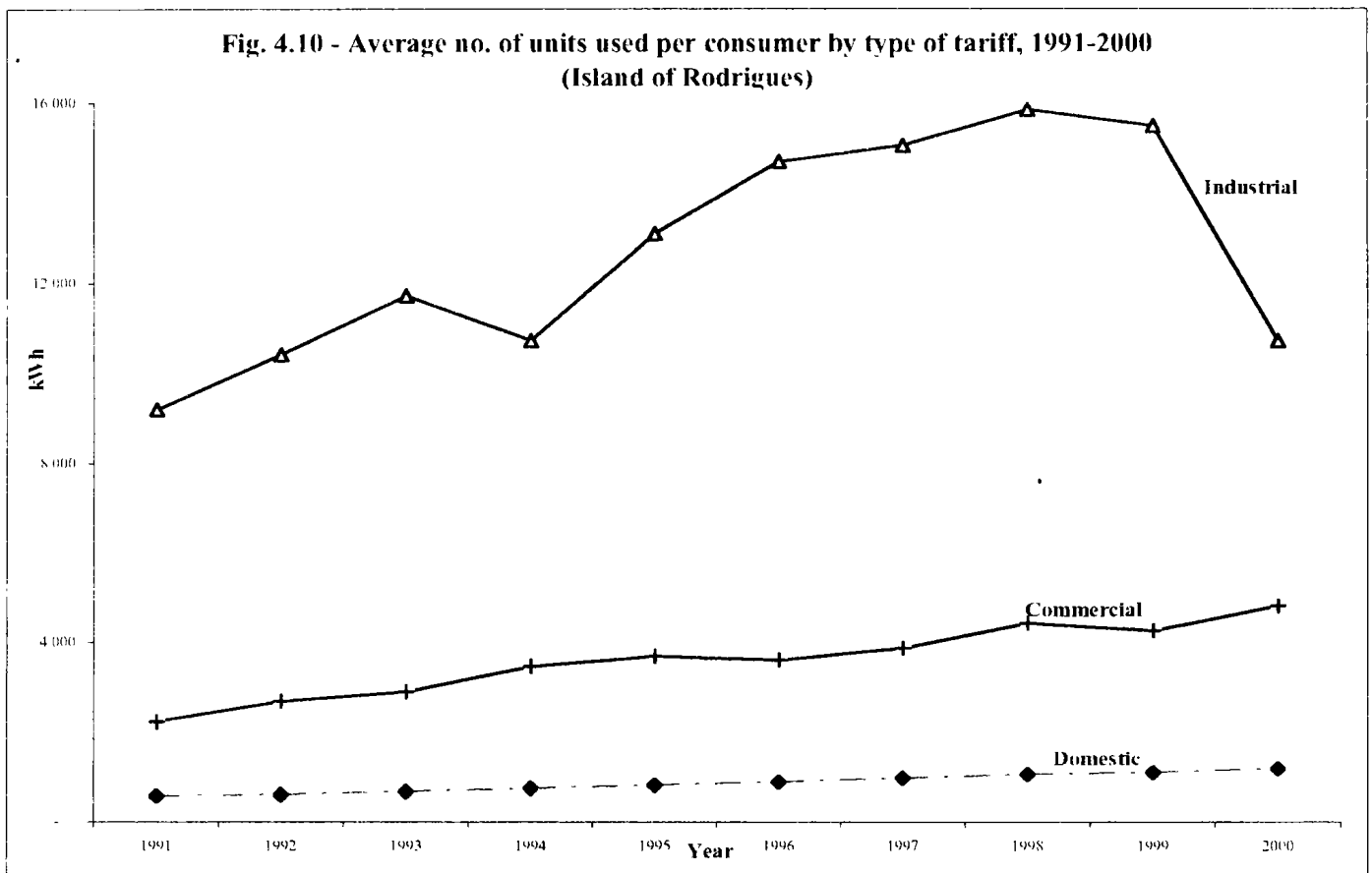
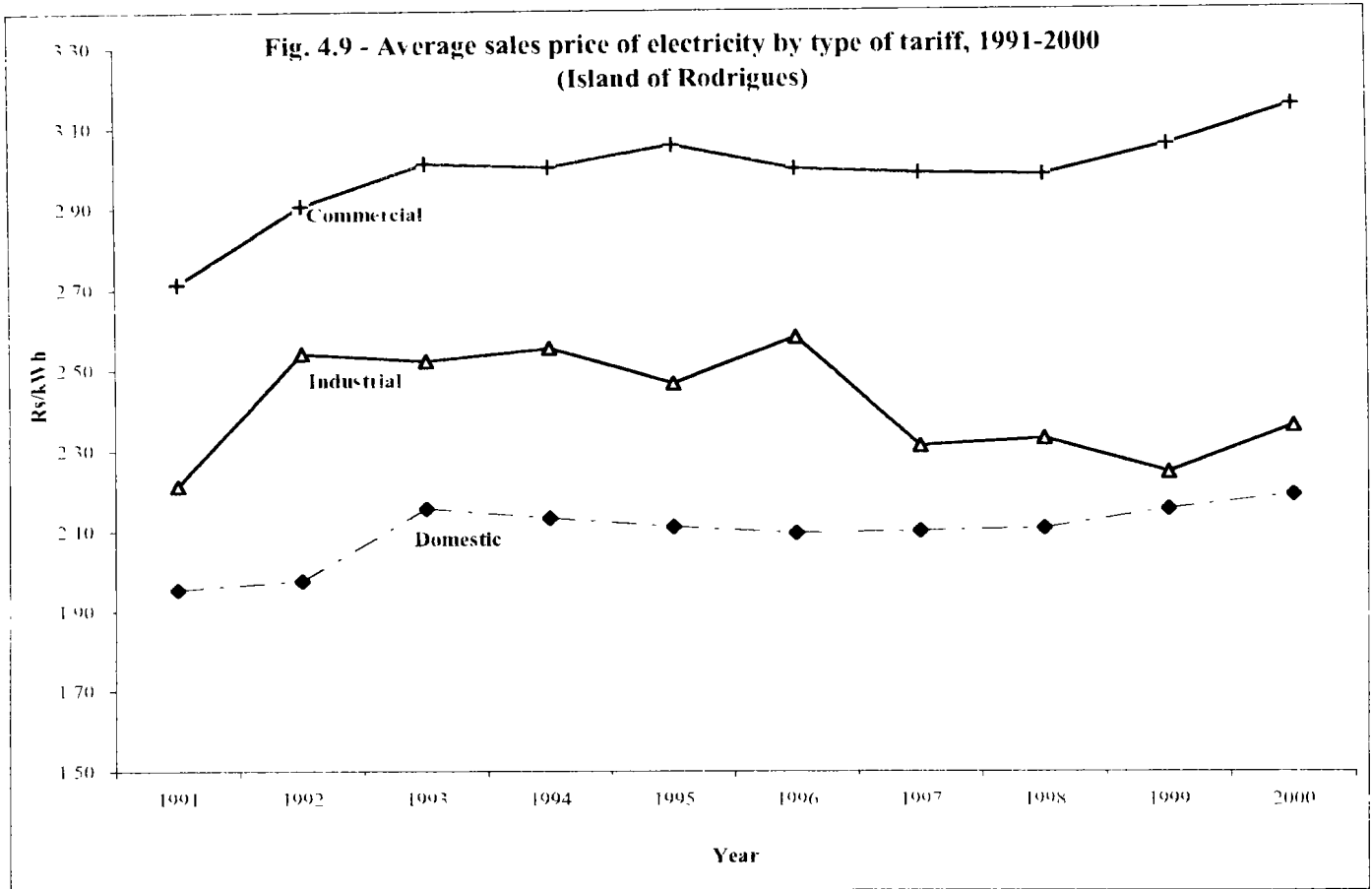


Table 4.8 - Sales of electricity by type of tariff, 1991 - 2000 (Island of Rodrigues)

Tariff group	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Number of consumers										
Domestic	5,852	6,419	6,636	6,898	7,077	7,388	7,686	8,010	8,371	8,516
Commercial	553	600	673	695	724	777	811	844	912	905
Industrial	70	77	83	98	98	108	105	103	109	128
Other	1	1	1	1	6	6	6	7	24	6
Total	6,476	7,097	7,393	7,692	7,905	8,279	8,608	8,964	9,416	9,555
GWh sold										
Domestic	3.4	4.0	4.5	5.2	5.9	6.6	7.5	8.5	9.3	10.2
Commercial	1.2	1.6	2.0	2.4	2.7	2.8	3.1	3.7	3.9	4.3
Industrial	0.6	0.8	1.0	1.1	1.3	1.6	1.6	1.6	1.7	1.4
Other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Total	5.3	6.4	7.5	8.6	9.9	11.0	12.2	13.9	14.9	16.1
Value sold (Rs.mn)										
Domestic	6.7	7.9	9.8	11.1	12.5	13.8	15.7	18.0	20.0	22.3
Commercial	3.4	4.7	5.9	7.2	8.1	8.4	9.4	11.2	11.9	13.7
Industrial	1.4	2.0	2.5	2.7	3.2	4.1	3.7	3.8	3.8	3.2
Other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.7
Total	11.5	14.7	18.1	21.0	23.8	26.3	28.8	33.0	35.7	39.9
Average sales price (Rs./kWh)										
Domestic	1.95	1.98	2.16	2.13	2.11	2.10	2.10	2.11	2.15	2.19
Commercial	2.71	2.91	3.01	3.00	3.06	3.00	2.99	2.98	3.05	3.15
Industrial	2.22	2.54	2.52	2.55	2.47	2.58	2.31	2.33	2.25	2.36
Other	3.98	3.21	3.53	3.24	3.29	3.23	3.26	3.19	3.17	3.02
Average	2.16	2.28	2.43	2.43	2.41	2.40	2.36	2.37	2.40	2.47
Average no. of units per consumer (kWh)										
Domestic	587	622	683	751	834	891	975	1,065	1,110	1,196
Commercial	2,242	2,696	2,906	3,458	3,683	3,599	3,869	4,434	4,266	4,804
Industrial	9,215	10,418	11,722	10,733	13,114	14,714	15,065	15,862	15,496	10,732
Other	2,855	4,560	5,037	8,289	1,639	2,172	2,383	2,409	603	36,374
Average	822	904	1,010	1,124	1,247	1,326	1,420	1,553	1,581	1,688

Source: Central Electricity Board



Section V

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 & 2000¹

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 (0.5 %)
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 %)

¹ Excluding 36 homeless households with a population of 35

**Table 5.2 - Private households by geographical location of residence and principal fuel used for cooking
- Housing and Population Census 1990**

Geographical location	Principal fuel used for cooking						Total
	Wood	Charcoal	Kerosene	Electricity	Gas	Other 1	
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 (24.3 %)	2,577 (1.1%)	50,000 (21.8 %)	3,427 (1.5 %)	117,229 (51.1 %)	555 (0.3 %)	229,447 (100.0 %)
Island of Rodrigues	4,011	10	1,262	200	1,779	16	7,278
Republic of Mauritius	59,670 (25.2 %)	2,587 (1.1 %)	51,262 (21.7 %)	3,627 (15 %)	119,008 (50.3 %)	571 (0.3 %)	236,725 (100.0%)

1 Including 167 households where fuel used for cooking was not stated

**Table 5.3 - Private households¹ by geographical location of residence and principal fuel used for cooking
- Housing and Population Census 2000**

Geographical location	Principal fuel used for cooking						Total
	Wood	Charcoal	Kerosene	Electricity	Gas	Other	
Island of Mauritius							
Port Louis	457	131	1,042	132	30,891	100 ²	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 (3.9 %)	521 (0.2 %)	9,542 (3.3 %)	1,480 (0.5 %)	265,837 (91.9 %)	278 (0.1 %)	289,170 (100.0 %)
Island of Rodrigues	1,509	17	487	106	6,524	8	8,651
Agalega	2	-	-	-	58	-	60
Republic of Mauritius	12,923 (4.3 %)	538 (0.2 %)	10,029 (3.4 %)	1,586 (0.5 %)	272,419 (91.5 %)	386 (0.1 %)	297,881 (100.0%)

1 Excluding 30 homeless households

2 Including 5 households where fuel used for cooking was not stated

Table 5.4 - Private households¹ by geographical location of residence and principal fuel used for heating water for bathing²
- Housing and Population Census 2000

Geographical location	Principal fuel used for heating water					Total
	Electricity	Gas	Solar	Other	None ³	
Island of Mauritius						
Port Louis	8,690	7,921	826	525 ⁴	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 (25.7 %)	116,308 (40.2 %)	11,454 (4.0 %)	23,239 (8.0 %)	63,775 (22.1 %)	289,170 (100.0 %)
Island of Rodrigues	454	471	73	154	7,499	8,651
Agalga	-	12	-	-	48	60
Republic of Mauritius	74,848 (25.1 %)	116,791 (39.2 %)	11,527 (3.9 %)	23,393 (7.9 %)	71,322 (23.9 %)	297,881 (100.0 %)

¹ Excluding 30 homeless households

² The water need not be heated in the bathroom

³ Includes households where hot water is not regularly used for bathing

⁴ Includes 5 households where fuel used for heating water for bathing is not stated