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FOREWORD

This is the fourth publication of the Central Statistics Office on energy statistics. Data is presented for the period 1992 to 2001 and refer to the Republic of Mauritius, unless otherwise specified. These may be subject to revision in subsequent issues of the digest.

In this issue the energy content of electricity has been revised from its thermal primary equivalent to its thermal final equivalent, in order to be consistent with international practices. This change in conversion factor has had a downward effect on our final energy consumption data.

Another major change in electricity data is the inclusion of generation for own use by the private sector. Hence, the change in consumption figures of bagasse. The figures for fuel-wood have been revised in light of Census 2000 data.

It is hoped that these statistics will prove useful to a wide range of users, particularly to planners, policy makers and research workers. This digest has been prepared with 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 all these organisations are gratefully acknowledged.

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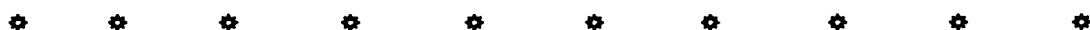
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Symbols & abbreviations

-	Nil
...	Not available
000	Thousand
mn	million
toe	Tonne of oil equivalent
ktoc	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
CEB	Central Electricity Board
IPP	Independent Power Producers
GDP	Gross Domestic Product
Rod.	Island of Rodrigues



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 for the different fuels in terms of a common accounting unit, tonnes of oil equivalent (toe*)

	<u>Tonne</u>	<u>toe</u>
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
	<u>GWh</u>	<u>toe</u>
Hydro (primary)	1	220
Electricity	1	86

Note. Prior to 2001, electricity in the final energy balance was converted into its thermal primary equivalent (1 GWh = 220 toe). To be consistent with international practice, its thermal final equivalent, (1 GWh = 86 toe), is now being used. Data for the year 1992 onwards have been amended accordingly.

* 1 toe = 41.84 gigajoule (net calorific value)

SYMBOLS

The following technical abbreviations have been used throughout the report:

toe	Tonne of oil equivalent
ktoe	Thousand tonnes of oil equivalent
LPG	Liquefied Petroleum Gas
MW	Megawatt (1,000 kW)
kWh	Kilowatt hour
GWh	Gigawatt hour

ACRONYMS

CEB	Central Electricity Board
IPP	Independent Power Producers of the Sugar Industry
GDP	Gross Domestic Product

Energy statistics, 2001 – An overview

1 The energy commodity balance

The energy commodity balance shows an overall picture of energy statistics for a given period and covers the following aspects: (1) Total primary energy requirement is obtained as the sum of the indigenous production (hydro, fuel wood and bagasse) and imports less re-exports and bunkering, after stock adjustments. (2) The transformation process is the conversion of primary energy into secondary energy, for example, transformation of coal and fuel oil into electricity. Own use and losses during transformation are also taken into account. (3) 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, household and agriculture.

1.1 Total primary energy requirement

During the year 2001, the total primary energy requirement increased by 5.8%, from 1,125.9 ktoc to 1,191.5 ktoc.

The total primary energy requirement of the country was derived from imported fuels (75.6%) and locally available sources (24.4%) (Table 2.1). In 2001, imported petroleum products represented 715.7 ktoc, the main components of which being fuel oil (33.0%), diesel (26.6%), aviation fuel (18.1%) and gasoline (13.2%).

Bagasse contributed to 92.1% of the indigenous production (267.4 ktoc) and the remaining 7.9% was derived from hydroelectricity and fuel wood (22.9 ktoc).

1.1.1 Local sources

Total energy requirement from local sources reached 290.4 ktoc in 2001 compared to 276.9 ktoc in 2000, representing an increase of 4.9%. Production of bagasse increased by 7.6% from 248.5 ktoc in 2000 to 267.4 ktoc in 2001. Hydroelectricity, on the other hand, decreased by 25.7% from 21 ktoc to 15.6 ktoc. Fuel wood, as a source of energy, remained almost constant at 7.3 ktoc.

1.1.2 Imports of energy sources

Data on imports of energy sources show that imports of petroleum products increased by 4.6% from 927.2 ktoc in 2000 to 969.4 ktoc in 2001 and coal, by 56.2% from 137.9 ktoc to 215.4 ktoc (Table 2.3). The substantial rise in the imports of coal was to meet its increased use in electricity production. The total primary energy requirement from imported fuel rose by 6.1% from 849.0 ktoc to 901.2 ktoc (Table 2.1).

1.1.3 Re-exports to foreign aircraft and bunkers

Of the 969.4 ktoc of imported petroleum products, 279.5 ktoc were re-exported to bunkers and foreign aircraft. Re-exports consisted of 158.3 ktoc of diesel oil, 42.2 ktoc of fuel oil and 79 ktoc of aviation fuel. (Table 2.7)

1.2 Electricity generation

In 2001, 1,910.8 GWh (164.3 ktoe) of electricity was generated, as compared to 1,777.5 GWh (152.9 ktoe) in 2000, representing an increase of 7.5%. The Central Electricity Board (CEB) generated 50.6% and the Independent Power Producers (IPPs) of the sugar industry, 49.4%. Thermal energy represented 96.3% and hydro, the remaining 3.7%. The installed capacity of the power plants remained at 660.8 MW while the effective capacity rose from 577.2 MW in 2000 to 579.2 MW in 2001. The peak demand in 2001 reached 297.4 MW (Table 3.1).

1.2.1 Fuel input for electricity generation

The different types of fuel used for electricity generation are shown in Table 3.7. Fuel input increased from 490.6 ktoe in 2000 to 537.3 ktoe in 2001, representing an increase of 9.5%. In 2001, the major components of the fuel input were bagasse (34%), fuel oil (33.1%), and coal (31.6%).

1.2.2 Number of electricity consumers and sales

The total number of electricity consumers increased from 323,652 in 2000 to 333,028 in 2001 (2.9%). The highest number of consumers (297,051) fell in the domestic category, followed by commercial (28,594) and industrial (7,084). Electricity sales increased by 6.8% from 1,374 GWh in 2000 to 1,467 GWh in 2001. The sales value correspondingly went up by 24.2% from Rs3,171 million to Rs3,940 million (Table 4.7).

Separate figures for the islands of Mauritius and Rodrigues are given in tables 4.8 and 4.9.

1.3 Final energy consumption

The final energy consumption increased from 749.0 ktoe in 2000 to 784.4 ktoe in 2001, showing an increase of 4.7%. The highest increase was registered in the "Commercial and Distributive Trade" sector whose energy consumption rose by 10.4% from 36.9 ktoe to 40.8 ktoe. The following changes were noted in the other sectors: "Manufacturing" (+5.0%), "Transport" (+4.6%), "Household" (+2.7%).

In 2001, "Transport" and "Manufacturing" were the two largest energy-consuming sectors accounting for 47.5% and 33.5% of total consumption respectively. Consumption by "Household" sector represented 13.0%, followed by "Commercial and Distributive Trade", 5.2% and "Agriculture" 0.6%. Details on the different types and amount of fuel consumed by each sector are given in Tables 4.3-4.5

1.3.1 Manufacturing

Energy used for manufacturing process in 2001 amounted to 262.4 ktoe, representing an increase of 5.0% over the figure of 249.9 ktoe registered in 2000. Bagasse contributed 84.6 ktoe electricity, 61.2 ktoe, fuel oil and diesel oil, 96.1 ktoe.

1.3.2 Transport

In 2001, 372.3 ktoc of energy were used for transportation. Gasolene consumption decreased by 4.6% from 99.4 ktoc to 94.8 ktoc, while consumption of diesel oil went up by 2.5% from 143.4 ktoc to 147.0 ktoc and aviation fuel, by 15.3% from 112.4 ktoc to 129.6 ktoc. A 30% rise in the use of LPG, from 0.7 ktoc in 2000 to 0.9 ktoc in 2001, was also registered.

1.3.2 Commercial and Distributive Trade

Total energy consumption by "Commercial and Distributive Trade" sector increased by 10.4% from 36.9 ktoc in 2000 to 40.8 ktoc in 2001. Electricity was the main source of energy and its consumption increased from 32.2 ktoc to 35.7 ktoc.

1.3.3 Household

In 2001, energy consumed by households went up by 2.7% to reach 101.8 ktoc. The two main sources of energy for households were electricity and LPG. Electricity consumption increased by 6.3% from 42.3 ktoc to 44.9 ktoc whilst that of LPG remained almost at the same level, 40.7 ktoc in 2000 compared to 40.9 ktoc in 2001.

1.3.4 Agriculture

Electricity and diesel oil are the only two sources of energy used in agriculture. In 2001, 2.3 ktoc of electricity were used for irrigation and 2.5 ktoc of diesel oil were used for derocking of land and for the preparation of soil prior to plantation.

2 Main indicators

As shown in Table 1.3, the total primary energy requirement index, expressed with 1990 as reference year (1990 = 100), increased by 5.8% from 150.9 in 2000 to 159.7 in 2001. Per capita primary energy requirement increased by 4.2% from 0.95 toe to 0.99 toe.

Energy intensity, in 2001, stayed at the same level as in 2000, that is 1.96. It is to be noted that 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.

Central Statistics Office

Ministry of Economic Development, Financial Services and Corporate Affairs

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Section I

Energy commodity balance
& Main indicators

Table 1.1 - Energy commodity balance, 2001

Flow	Source	Tonnes of oil equivalent (toe)											Total
		Coal	Gasolene	Diesel	Aviation Fuel	Kerosene	Fuel Oil	LPG	Fuel Wood	Charcoal	Hydro	Bagasse		Electricity
Local production		-	-	-	-	-	-	7,342	-	15,580	267,440	-	290,362
Imports		215,426	93,715	341,424	210,274	12,465	264,132	47,399	-	-	-	-	1,184,837
Re-exports and bunkering		-	-	(158,288)	(78,988)	-	(42,200)	-	-	-	-	-	(279,476)
Stock change / Statistical error		(29,949)	1,054	7,437	(1,648)	1,304	14,196	3,415	-	-	-	-	(4,192)
Total Primary Energy Requirement		185,477	94,769	190,574	129,638	13,769	236,129	50,814	7,342	15,580	267,440	-	1,191,532
Public electricity generation plant		-	-	(3,169)	-	(3,910)	(177,924)	-	-	(15,498)	-	83,189	(117,312)
Autoproducer plants		(169,493)	-	-	-	-	-	-	-	(83)	(182,800)	81,104	(271,272)
Other transformation		-	-	-	-	-	-	(730)	355	-	-	-	(374)
Own use		-	-	-	-	-	-	-	-	-	-	(3,721)	(3,721)
Losses		-	-	-	-	-	-	-	-	-	-	(14,425)	(14,425)
Total Final Consumption		15,984	94,769	187,404	129,638	9,859	58,205	50,814	6,612	355	84,640	146,146	784,426
Manufacturing sector		15,984	-	37,908	-	-	58,205	3,942	570	-	84,640	61,163	262,413
Transport sector		-	94,769	147,012	129,638	-	-	886	-	-	-	-	372,304
Commercial and distributive trade sector		-	-	-	-	-	-	4,806	-	244	-	35,728	40,779
Residential sector		-	-	-	-	9,859	-	40,878	6,042	111	-	44,950	101,841
Agriculture		-	-	2,485	-	-	-	-	-	-	-	2,302	4,787
Other		-	-	-	-	-	-	302	-	-	-	2,002	2,304

Note: figures in brackets represent negative quantities.

Table 1.2 - Energy commodity balance, 2000¹

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		-	-	-	-	-	-	7,334	-	21,044	248,528	-	-	-	276,906
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	2,350	9,756	5,804	(4,857)	60,838	(1,071)	-	-	-	-	-	-	91,768
Total Primary Energy Requirement		156,850	99,360	191,259	112,405	23,588	215,534	50,028	7,334	21,044	248,528	-	-	-	1,125,929
Public electricity generation plant		-	-	(3,398)	-	(13,604)	(168,494)	-	-	(20,956)	-	-	84,547	-	(121,905)
Autoproducer plants		(141,682)	-	-	-	-	-	-	-	(88)	(163,440)	68,284	-	-	(236,927)
Other transformation		-	-	-	-	-	-	(684)	333	-	-	-	-	-	(351)
Own use		-	-	-	-	-	-	-	-	-	-	-	(3,379)	-	(3,379)
Losses		-	-	-	-	-	-	-	-	-	-	-	(14,416)	-	(14,416)
Total Final Consumption		15,168	99,360	187,861	112,405	9,984	47,040	50,028	6,650	333	85,088	135,035	-	-	748,952
Manufacturing sector		15,168	-	42,016	-	-	47,040	3,984	570	-	85,088	56,020	-	-	249,886
Transport sector		-	99,360	143,421	112,405	-	-	684	-	-	-	-	-	-	355,870
Commercial and distributive trade sector		-	-	-	-	-	-	4,482	-	222	-	32,230	-	-	36,934
Residential sector		-	-	-	-	9,984	-	40,727	6,080	111	-	42,296	-	-	99,198
Agriculture		-	-	2,424	-	-	-	-	-	-	-	2,342	-	-	4,766
Other		-	-	-	-	-	-	151	-	-	-	2,147	-	-	2,298

1 Revised

Note: figures in brackets represent negative quantities

Table 1.3 - Main indicators, 1992 - 2001

Details	Unit	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Total primary energy requirement	ktoe	811.82	822.00	828.33	889.56	924.33	956.18	1,021.75	1,003.50	1,125.93	1,191.53
<i>Imported</i>	ktoe	504.44	529.94	568.37	584.26	634.70	647.31	707.18	778.92	849.02	901.17
<i>Local</i>	ktoe	307.39	292.05	259.97	305.31	289.63	308.87	314.57	224.58	276.91	290.36
Total primary energy requirement index (1990 = 100)		108.79	110.15	111.00	119.20	123.86	128.13	136.92	134.47	150.88	159.67
Annual increase	%	+7.93	+1.25	+0.77	+7.39	+3.91	+3.45	+6.86	-1.79	+12.20	+5.83
Import dependency	%	62.14	64.47	68.62	65.68	68.67	67.70	69.21	77.62	75.41	75.63
GDP in 1990 rupees	Rs. Million	37,468	39,304	41,191	43,456	46,151	48,735	51,513	52,698	57,388	60,716
GDP index (1990 = 100)		111.50	116.96	122.58	129.32	137.34	145.03	153.29	156.82	170.78	180.68
Energy intensity	toe per Rs. 100,000 GDP	2.17	2.09	2.01	2.05	2.00	1.96	1.98	1.90	1.96	1.96
Mid-year population	thousand	1,084	1,097	1,113	1,122	1,134	1,148	1,160	1,174	1,187	1,200
Per capita primary energy requirement	toe	0.75	0.75	0.74	0.79	0.82	0.83	0.88	0.85	0.95	0.99
Per capita final energy consumption	toe	0.59	0.59	0.58	0.61	0.61	0.63	0.64	0.59	0.63	0.65
Per capita consumption of electricity sold	KWh	640	684	736	814	879	947	1,026	1,059	1,158	1,222

Section II

Primary energy requirement

Table 2.1 - Primary energy requirement , 1992-2001

Energy source	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	
Physical unit (Thousand tonne\GWh)											
Imported											
Gasolene	67.8	72.3	79.6	84.0	87.4	87.7	88.6	89.5	92.0	87.7	
Diesel Oil	107.3	117.0	124.4	126.3	136.0	145.5	155.1	165.0	189.4	188.7	
Dual Purpose Kerosene	119.1	104.0	105.9	115.2	156.9	135.6	148.7	148.2	130.8	137.9	
<i>Kerosene</i>	33.6	24.0	25.6	42.9	76.3	56.5	59.1	51.0	22.7	13.2	
<i>Aviation Fuel</i>	85.5	80.1	80.4	72.3	80.6	79.0	89.5	97.1	108.1	124.7	
Fuel Oil	135.0	157.5	178.9	177.1	182.6	202.2	221.5	239.6	224.5	246.0	
LPG	29.3	32.9	33.3	34.3	36.6	39.1	40.4	43.4	46.3	47.1	
Coal	60.8	62.5	62.6	63.1	40.3	45.7	70.7	136.6	253.0	299.2	
Local											
Hydro\Wind	GWh	113	104	76	135	105	93	105	30	95.7	70.8
Bagasse*		1,625.5	1,562.2	1,424.2	1,639.8	1,595.1	1,741.0	1,767.0	1,314.4	1,553.3	1,671.5
Fuel Wood *		58.9	50.4	40.5	34.8	30.0	25.8	23.2	20.2	19.3	19.3
Energy unit (ktoe)											
Imported											
Gasolene	73.3	78.1	86.0	90.7	94.4	94.7	95.7	96.7	99.4	94.8	
Diesel Oil	108.4	118.2	125.7	127.6	137.4	147.0	156.7	166.6	191.3	190.6	
Dual Purpose Kerosene	123.8	108.2	110.2	119.8	163.2	141.0	154.6	154.1	136.0	143.4	
<i>Kerosene</i>	35.0	24.9	26.6	44.6	79.4	58.8	61.5	53.1	23.6	13.8	
<i>Aviation Fuel</i>	88.9	83.3	83.6	75.2	83.8	82.2	93.1	101.0	112.4	129.6	
Fuel Oil	129.6	151.2	171.8	170.0	175.3	194.1	212.7	230.0	215.5	236.1	
LPG	31.6	35.6	36.0	37.0	39.5	42.3	43.7	46.9	50.0	50.8	
Sub total (Petroleum products)	466.7	491.2	529.6	545.1	609.7	619.0	663.3	694.2	692.2	715.7	
Coal	37.7	38.7	38.8	39.1	25.0	28.3	43.9	84.7	156.9	185.5	
Sub total (Imported)	504.4	529.9	568.4	584.3	634.7	647.3	707.2	778.9	849.0	901.2	
Local											
Hydro \ Wind	24.9	22.9	16.7	29.7	23.0	20.5	23.0	6.6	21.0	15.6	
Bagasse	260.1	250.0	227.9	262.4	255.2	278.6	282.7	210.3	248.5	267.4	
Fuel Wood	22.4	19.2	15.4	13.2	11.4	9.8	8.8	7.7	7.3	7.3	
Sub total (Local)	307.4	292.1	260.0	305.3	289.6	308.9	314.6	224.6	276.9	290.4	
Total	811.8	822.0	828.3	889.6	924.3	956.2	1,021.7	1,003.5	1,125.9	1,191.5	
Percentage (%)											
Imported											
Gasolene	9.0	9.5	10.4	10.2	10.2	9.9	9.4	9.6	8.8	8.0	
Diesel Oil	13.3	14.4	15.2	14.3	14.9	15.4	15.3	16.6	17.0	16.0	
Dual Purpose Kerosene	15.3	13.2	13.3	13.5	17.7	14.7	15.1	15.4	12.1	12.0	
<i>Kerosene</i>	4.3	3.0	3.2	5.0	8.6	6.1	6.0	5.3	2.1	1.2	
<i>Aviation Fuel</i>	10.9	10.1	10.1	8.5	9.1	8.6	9.1	10.1	10.0	10.9	
Fuel Oil	16.0	18.4	20.7	19.1	19.0	20.3	20.8	22.9	19.1	19.8	
LPG	3.9	4.3	4.3	4.2	4.3	4.4	4.3	4.7	4.4	4.3	
Sub total (Petroleum products)	57.5	59.8	63.9	61.3	66.0	64.7	64.9	69.2	61.5	60.1	
Coal	4.6	4.7	4.7	4.4	2.7	3.0	4.3	8.4	13.9	15.6	
Sub total (Imported)	62.1	64.5	68.6	65.7	68.7	67.7	69.2	77.6	75.4	75.6	
Local											
Hydro \ Wind	3.1	2.8	2.0	3.3	2.5	2.1	2.3	0.7	1.9	1.3	
Bagasse	32.0	30.4	27.5	29.5	27.6	29.1	27.7	21.0	22.1	22.4	
Fuel Wood	2.8	2.3	1.9	1.5	1.2	1.0	0.9	0.8	0.7	0.6	
Sub total (Local)	37.9	35.5	31.4	34.3	31.3	32.3	30.8	22.4	24.6	24.4	
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

* estimates

Fig 2.1 - Primary energy requirement by energy source, 1992-2001

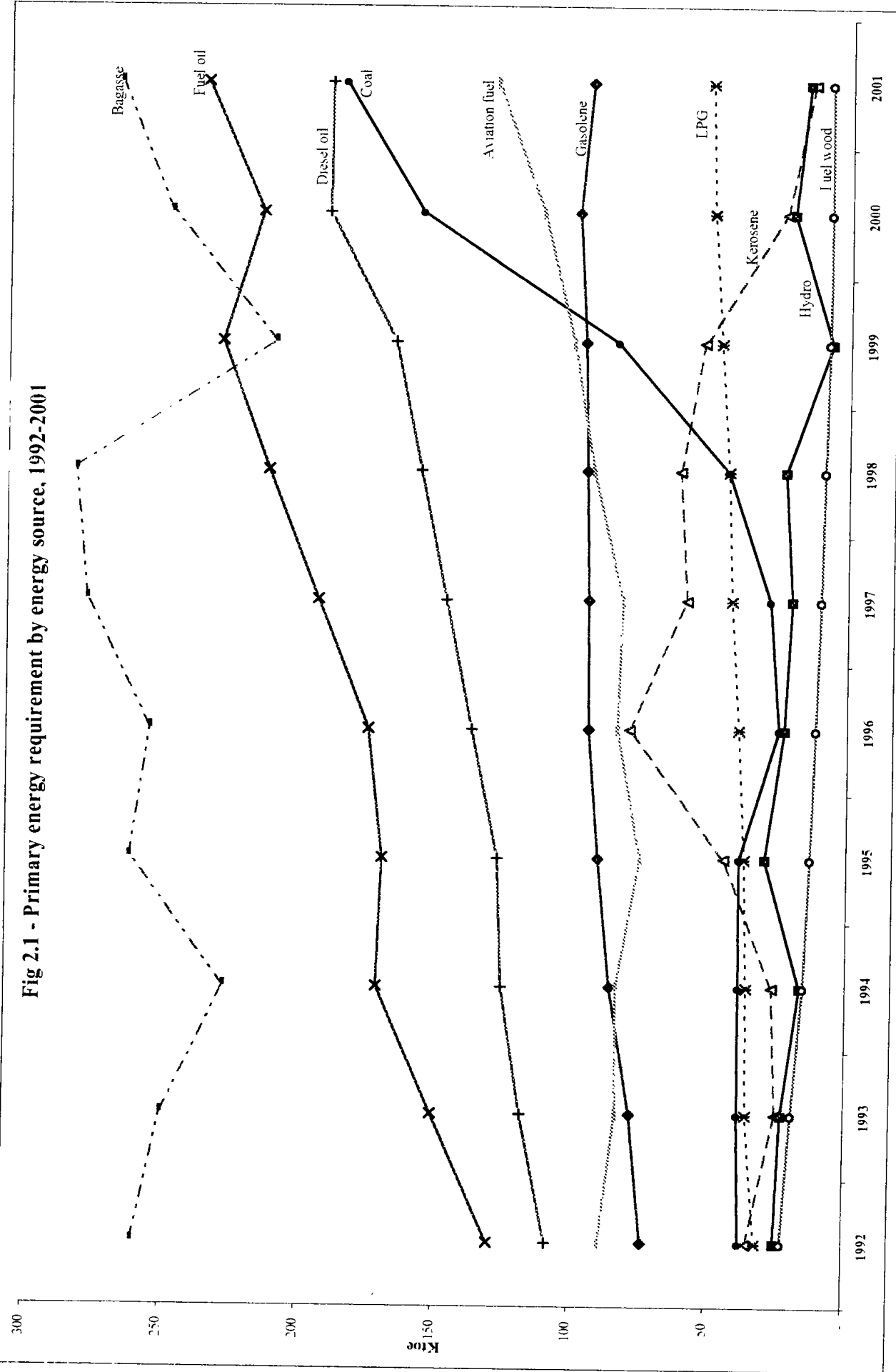


Table 2.2 - Imports of energy sources (Physical unit), 1992-2001

	Thousand tonne									
	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Gasolene	62.48	72.73	78.39	84.16	88.04	88.07	86.90	92.74	89.82	86.77
Diesel oil	163.36	177.25	210.04	226.24	221.99	255.96	282.74	295.55	339.67	338.04
Dual Purpose Kerosene	166.69	159.44	149.52	170.66	195.99	196.25	206.44	231.88	217.37	214.17
<i>Kerosene</i>	37.19	30.63	25.90	39.60	81.15	76.56	54.13	44.18	27.35	11.99
<i>Aviation Fuel</i>	129.50	128.81	123.62	131.06	114.84	119.69	152.31	187.70	190.02	202.19
Fuel oil	169.88	181.43	199.40	207.48	194.37	249.21	274.12	246.28	218.76	275.14
LPG	29.07	29.54	32.67	36.22	36.58	41.67	44.67	43.57	47.31	43.89
Coal	72.50	62.90	38.45	66.36	38.48	27.78	86.34	128.87	222.42	347.46

Table 2.3 - Imports of energy sources (Energy unit), 1992 - 2001

	ktoe									
	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Gasolene	67.48	78.55	84.66	90.89	95.08	95.12	93.85	100.16	97.01	93.71
Diesel oil	164.99	179.03	212.14	228.50	224.20	258.52	285.56	298.51	343.07	341.42
Dual Purpose Kerosene	173.36	165.82	155.50	177.49	203.83	204.10	214.69	241.15	226.06	222.74
<i>Kerosene</i>	38.68	31.85	26.94	41.19	84.39	79.62	56.29	45.95	28.45	12.47
<i>Aviation Fuel</i>	134.68	133.96	128.56	136.30	119.44	124.48	158.40	195.20	197.62	210.27
Fuel oil	163.09	174.18	191.43	199.18	186.60	239.24	263.16	236.43	210.01	264.13
LPG	31.40	31.91	35.28	39.12	39.51	45.00	48.25	47.06	51.10	47.40
Sub total (Petroleum products)	600.32	629.47	679.01	735.18	749.22	841.98	905.51	923.30	927.25	969.41
Coal	44.95	39.00	23.84	41.14	23.86	17.22	53.53	79.90	137.90	215.43
Total imports	645.27	668.47	702.85	776.32	773.08	859.20	959.05	1,003.20	1,065.16	1,184.84

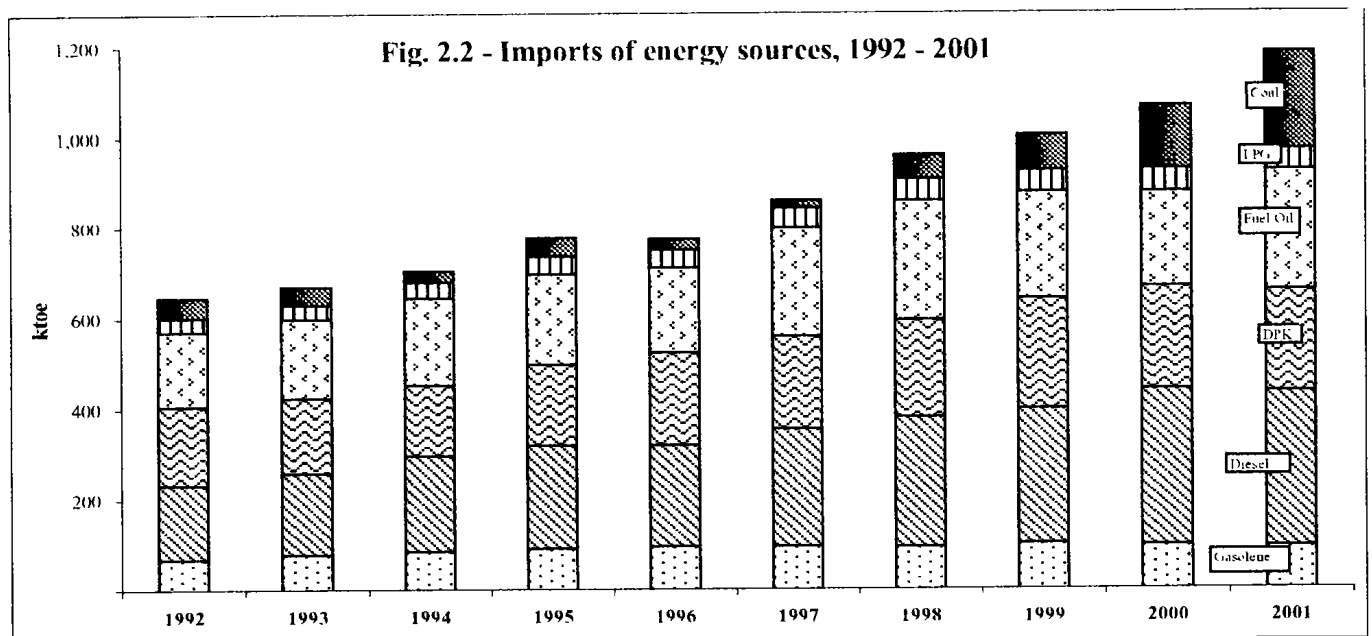


Table 2.4 - Imports of energy sources by country of origin (Physical unit), 1992 - 2001

Country	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Gasolene	62,483	72,728	78,390	84,158	88,041	88,074	86,895	92,737	89,824	86,773
Bahrain	19,533	-	-	3,266	2,986	8,913	24,035	27,798	25,300	26,148
Ivory Coast	3,558	-	-	-	-	-	-	-	-	-
Kuwait	-	-	16,303	42,919	53,636	25,731	-	-	-	-
Saudi Arabia	-	-	19,082	22,982	2,737	15,791	46,878	47,644	19,497	15,065
Singapore	-	-	-	-	-	-	-	-	-	3,074
South Africa	39,392	72,728	43,005	14,991	28,682	37,639	15,982	12,960	45,027	30,038
Utd. Arab Emirates	-	-	-	-	-	-	-	-	-	12,448
Yemen	-	-	-	-	-	-	-	4,335	-	-
Diesel	163,358	177,254	210,038	226,239	221,985	255,956	282,737	295,551	339,671	338,044
Bahrain	3,765	-	-	10,984	19,005	29,019	78,893	90,841	105,408	62,967
Ivory Coast	16,791	-	-	-	-	-	-	-	-	-
Kuwait	-	-	31,377	101,285	107,461	46,948	-	-	-	-
Saudi Arabia	2,941	-	68,148	53,108	9,993	46,647	150,460	153,800	51,087	90,262
Singapore	-	-	-	-	-	-	-	-	-	20,777
South Africa	119,582	177,254	110,513	60,862	85,526	133,342	53,384	42,199	170,113	123,223
Utd. Arab Emirates	-	-	-	-	-	-	-	-	13,063	40,815
Yemen	-	-	-	-	-	-	-	8,711	-	-
Other countries	20,280	-	-	-	-	-	-	-	-	-
Kerosene (excl. jet fuel)	37,190	30,630	25,902	39,602	81,146	76,560	54,128	44,180	27,351	11,986
Bahrain	4,473	-	-	6,621	3,136	3,896	20,765	4,124	922	4,789
Ivory Coast	5,429	-	-	-	-	-	-	-	-	-
Kuwait	-	-	2,267	17,999	37,582	26,402	-	-	-	-
Saudi Arabia	359	3,050	10,490	6,601	1,766	13,643	27,193	37,222	1,154	3,290
Singapore	-	-	-	-	-	-	-	-	-	26
South Africa	17,996	27,580	13,145	8,381	38,662	32,619	6,170	2,834	25,275	3,699
Utd. Arab Emirates	-	-	-	-	-	-	-	-	-	182
Yemen	263	-	-	-	-	-	-	-	-	-
Other countries	8,671	-	-	-	-	-	-	-	-	-
Jet fuel type kerosene	129,500	128,810	123,619	131,060	114,842	119,692	152,308	187,697	190,018	202,187
Bahrain	10,338	-	-	948	15,160	11,074	36,476	63,251	66,643	44,066
Ivory Coast	11,051	-	-	-	-	-	-	-	-	-
Kuwait	-	-	24,341	52,793	46,034	17,348	-	-	-	-
Saudi Arabia	1,119	4,389	36,292	38,721	6,526	22,997	84,984	85,472	38,698	44,896
Singapore	-	-	-	-	-	-	-	-	-	5,158
South Africa	82,728	124,420	62,986	38,598	47,122	68,273	30,848	27,000	84,677	71,815
Utd. Arab Emirates	-	-	-	-	-	-	-	-	-	36,252
Yemen	3,100	-	-	-	-	-	-	11,974	-	-
Other countries	21,164	-	-	-	-	-	-	-	-	-
Fuel Oil	169,885	181,435	199,404	207,477	194,372	249,207	274,125	246,279	218,763	275,138
Bahrain	50,038	-	-	-	17,079	-	28,732	-	-	5,867
India	-	-	-	-	-	-	-	-	-	18,055
Iran	-	-	-	-	-	-	-	-	-	42,976
Kenya	39,429	56,467	10,764	41,388	10,163	-	11,584	44,168	-	-
Kuwait	-	-	34,520	51,116	77,139	49,108	-	-	-	-
Madagascar	21,989	32,210	12,631	89,749	86,984	153,944	174,599	117,521	117,116	98,076
Saudi Arabia	-	-	-	-	-	-	-	-	-	6,956
South Africa	38,166	70,658	115,014	10,569	3,007	23,803	18,522	3,772	13,825	28,847
Tanzania	-	22,101	11,254	11,633	-	-	-	-	-	-
Utd. Arab Emirates	-	-	-	-	-	-	40,688	80,818	87,822	74,361
Other countries	20,262	-	15,222	3,022	-	22,352	-	-	-	-
LPG	29,072	29,543	32,669	36,222	36,584	41,668	44,675	43,570	47,314	43,888
Bahrain	6,692	2,080	4,969	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	2,257	3,054	3,146	197	-
Malaysia	739	-	-	4,811	-	-	1,659	2,157	1,821	7,126
Philippines	11,001	24,339	7,467	10,008	6,297	5,186	2,625	402	-	-
Saudi Arabia	689	1,515	971	-	-	-	-	-	-	-
Singapore	6,625	192	3,712	1,062	-	11,035	5,983	6,715	4,944	2,091
South Africa	-	170	14,305	20,341	30,246	20,718	27,299	31,124	38,522	34,671
Utd. Arab Emirates	1,382	574	-	-	-	-	-	-	1,830	-
Other countries	1,944	673	1,245	-	41	2,472	4,055	25	-	-
Coal	72,498	62,904	38,450	66,362	38,481	27,782	86,343	128,871	222,423	347,462
Greece	-	-	-	1,000	-	-	-	-	-	-
Mozambique	-	-	-	-	-	-	53,627	25,748	36,943	-
South Africa	72,498	62,904	38,450	65,362	38,481	27,782	32,717	103,123	185,480	347,462

Table 2.5 - Imports of energy sources by country of origin (c.i.f value), 1992 - 2001

	Rs(000)										
Country	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	
Gasolene	226,961	260,256	251,615	277,137	381,000	410,552	356,322	475,173	744,311	646,125	
Bahrain	72,320	-	-	13,507	13,735	47,439	102,814	167,006	215,549	203,232	
Ivory Coast	12,263	-	-	-	-	-	-	-	-	-	
Kuwait	-	-	52,550	141,463	231,003	111,754	-	-	-	-	
Saudi Arabia	-	-	63,595	72,379	14,051	78,961	191,194	223,102	177,034	110,845	
Singapore	-	-	-	-	-	-	-	-	-	26,345	
South Africa	142,378	260,256	135,470	49,788	122,211	172,398	62,313	70,677	351,728	218,891	
Utd. Arab Emirates	-	-	-	-	-	-	-	-	-	86,812	
Yemen	-	-	-	-	-	-	-	14,388	-	-	
Diesel	492,464	564,438	589,601	660,368	913,215	1,003,872	808,284	1,114,019	2,166,701	2,045,668	
Bahrain	10,542	-	-	35,938	78,158	111,765	217,560	377,663	661,929	392,692	
Ivory Coast	46,174	-	-	-	-	-	-	-	-	-	
Kuwait	-	-	90,163	298,098	445,324	191,273	-	-	-	-	
Saudi Arabia	8,773	-	192,686	149,713	46,273	185,469	428,385	542,322	352,594	580,059	
Singapore	-	-	-	-	-	-	-	-	-	131,704	
South Africa	364,782	564,438	306,751	176,618	343,460	515,365	162,340	172,026	1,092,232	710,386	
Utd. Arab Emirates	-	-	-	-	-	-	-	-	59,945	230,827	
Yemen	-	-	-	-	-	-	-	22,008	-	-	
Other countries	62,194	-	-	-	-	-	-	-	-	-	
Kerosene (excl. jet fuel)	124,238	109,361	86,901	133,781	386,324	338,428	186,890	178,500	205,854	84,911	
Bahrain	14,398	-	-	22,911	15,761	16,643	74,348	22,318	7,376	34,084	
Ivory Coast	17,389	-	-	-	-	-	-	-	-	-	
Kuwait	-	-	7,809	60,700	176,205	115,723	-	-	-	-	
Saudi Arabia	1,129	10,835	38,097	21,017	8,728	60,588	92,513	140,819	10,320	25,560	
Singapore	-	-	-	-	-	-	-	-	-	185	
South Africa	61,241	98,526	40,995	29,153	185,631	145,474	20,029	15,362	188,158	23,874	
Utd. Arab Emirates	-	-	-	-	-	-	-	-	-	1,208	
Yemen	1,045	-	-	-	-	-	-	-	-	-	
Other countries	29,036	-	-	-	-	-	-	-	-	-	
Jet fuel type kerosene	422,768	449,708	387,033	434,406	517,606	502,221	513,571	819,982	1,349,534	1,335,866	
Bahrain	32,986	-	-	3,280	72,545	47,057	135,915	311,847	459,620	309,308	
Ivory Coast	34,197	-	-	-	-	-	-	-	-	-	
Kuwait	-	-	76,951	174,824	209,900	76,875	-	-	-	-	
Saudi Arabia	3,518	15,595	116,163	122,101	32,253	94,333	280,356	347,040	301,037	314,388	
Singapore	-	-	-	-	-	-	-	-	-	36,621	
South Africa	269,196	434,113	193,919	134,201	202,908	283,956	97,300	125,447	588,877	451,940	
Utd. Arab Emirates	-	-	-	-	-	-	-	-	-	223,609	
Yemen	12,335	-	-	-	-	-	-	35,649	-	-	
Other countries	70,537	-	-	-	-	-	-	-	-	-	
Fuel Oil	255,941	271,166	338,136	385,252	449,279	587,266	568,421	717,704	964,288	1,213,934	
Bahrain	73,448	-	-	-	40,519	-	67,417	-	-	25,204	
India	-	-	-	-	-	-	-	-	-	70,227	
Iran	-	-	-	-	-	-	-	-	-	183,394	
Kenya	58,657	91,194	19,363	80,048	24,432	-	24,615	125,087	-	-	
Kuwait	-	-	64,438	100,915	184,899	111,442	-	-	-	-	
Madagascar	32,482	45,687	17,855	161,045	192,024	360,166	364,899	311,355	499,540	430,723	
Saudi Arabia	-	-	-	-	-	-	-	-	-	37,743	
South Africa	66,509	97,334	192,075	18,459	7,406	63,790	34,693	14,865	58,133	126,509	
Tanzania	-	36,950	16,361	19,355	-	-	-	-	-	-	
Utd. Arab Emirates	-	-	-	-	-	-	76,797	266,398	406,615	340,134	
Other countries	24,846	-	28,044	5,430	-	51,868	-	-	464,748	-	
LPG	165,314	180,596	195,589	228,447	262,436	339,170	323,436	378,246	510,148	517,009	
Bahrain	36,739	12,760	29,843	-	-	-	-	-	-	-	
Indonesia	-	-	-	-	-	18,938	20,235	27,351	2,675	-	
Malaysia	4,097	-	-	28,636	-	-	12,721	22,203	20,428	83,650	
Philippines	62,908	148,406	45,594	68,199	43,994	39,574	17,733	5,017	-	-	
Saudi Arabia	3,901	9,346	6,107	-	-	-	-	-	-	-	
Singapore	38,888	1,144	23,574	5,870	-	92,526	42,956	51,035	56,369	25,037	
South Africa	-	1,035	82,623	125,742	218,118	164,748	199,901	272,246	411,296	408,322	
Utd. Arab Emirates	7,557	3,791	-	-	-	-	-	-	19,230	-	
Other countries	11,223	4,113	7,848	-	324	23,384	29,889	393	149	-	
Coal	57,005	34,121	35,336	65,177	41,930	31,017	114,427	112,089	195,037	390,951	
Greece	-	-	-	1,047	-	-	-	-	-	-	
Mozambique	-	-	-	-	-	-	74,877	21,880	29,877	-	
South Africa	57,005	34,121	35,336	64,130	41,930	31,017	39,550	90,209	165,159	390,951	
All energy sources	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	6,234,464	

Table 2.6 Average import price of energy sources by country of origin , 1992 - 2001

	Rs/tonne									
Country	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Gasolene	3,632	3,578	3,210	3,293	4,328	4,661	4,101	5,124	8,286	7,446
Bahrain	3,702	-	-	4,136	4,600	5,322	4,278	6,008	8,520	7,772
Ivory Coast	3,447	-	-	-	-	-	-	-	-	-
Kuwait	-	-	3,223	3,296	4,307	4,343	-	-	-	-
Saudi Arabia	-	-	3,333	3,149	5,134	5,000	4,079	4,683	9,080	7,358
Singapore	-	-	-	-	-	-	-	-	-	8,570
South Africa	3,614	3,578	3,150	3,321	4,261	4,580	3,899	5,453	7,811	7,287
Utd. Arab Emirates	-	-	-	-	-	-	-	-	-	6,974
Yemen	-	-	-	-	-	-	-	3,319	-	-
Diesel	3,015	3,184	2,807	2,919	4,114	3,922	2,859	3,769	6,379	6,051
Bahrain	2,800	-	-	3,272	4,113	3,851	2,758	4,157	6,280	6,236
Ivory Coast	2,750	-	-	-	-	-	-	-	-	-
Kuwait	-	-	2,874	2,943	4,144	4,074	-	-	-	-
Saudi Arabia	2,983	-	2,827	2,819	4,631	3,976	2,847	3,526	6,902	6,426
Singapore	-	-	-	-	-	-	-	-	-	6,339
South Africa	3,050	3,184	2,776	2,902	4,016	3,865	3,041	4,077	6,421	5,765
Utd. Arab Emirates	-	-	-	-	-	-	-	-	4,589	5,655
Yemen	-	-	-	-	-	-	-	2,526	-	-
Other countries	20,483	-	-	-	-	-	-	-	-	-
Kerosene (excl. jet fuel)	3,341	3,570	3,355	3,378	4,761	4,420	3,453	4,040	7,526	7,084
Bahrain	3,219	-	-	3,460	5,026	4,272	3,580	5,412	8,000	7,117
Ivory Coast	3,203	-	-	-	-	-	-	-	-	-
Kuwait	-	-	3,445	3,372	4,689	4,383	-	-	-	-
Saudi Arabia	3,144	3,553	3,632	3,184	4,942	4,441	3,402	3,783	8,942	7,769
Singapore	-	-	-	-	-	-	-	-	-	7,115
South Africa	3,403	3,572	3,119	3,478	4,801	4,460	3,246	5,421	7,444	6,454
Utd. Arab Emirates	-	-	-	-	-	-	-	-	-	6,637
Yemen	3,979	-	-	-	-	-	-	-	-	-
Other countries	3,349	-	-	-	-	-	-	-	-	-
Jet fuel type kerosene	3,265	3,491	3,131	3,315	4,507	4,196	3,372	4,369	7,102	6,607
Bahrain	3,191	-	-	3,460	4,785	4,249	3,726	4,930	6,897	7,019
Ivory Coast	3,094	-	-	-	-	-	-	-	-	-
Kuwait	-	-	3,161	3,311	4,560	4,431	-	-	-	-
Saudi Arabia	3,144	3,553	3,201	3,153	4,942	4,102	3,299	4,060	7,779	7,003
Singapore	-	-	-	-	-	-	-	-	-	7,100
South Africa	3,254	3,489	3,079	3,477	4,306	4,159	3,154	4,646	6,954	6,293
Utd. Arab Emirates	-	-	-	-	-	-	-	-	-	6,168
Yemen	3,979	-	-	-	-	-	-	2,977	-	-
Other countries	3,333	-	-	-	-	-	-	-	-	-
Fuel Oil	1,507	1,495	1,696	1,857	2,311	2,357	2,074	2,914	4,408	4,412
Bahrain	1,468	-	-	-	2,372	-	2,346	-	-	4,296
India	-	-	-	-	-	-	-	-	-	3,890
Iran	-	-	-	-	-	-	-	-	-	4,267
Kenya	1,488	1,615	1,799	1,934	2,404	-	2,125	2,832	-	-
Kuwait	-	-	1,867	1,974	2,397	2,269	-	-	-	-
Madagascar	1,477	1,418	1,414	1,794	2,208	2,340	2,090	2,649	4,265	4,392
Saudi Arabia	-	-	-	-	-	-	-	-	-	5,426
South Africa	1,743	1,378	1,670	1,747	2,463	2,680	1,873	3,941	4,205	4,386
Tanzania	-	1,672	1,454	1,664	-	-	-	-	-	-
Utd. Arab Emirates	-	-	-	-	-	-	1,887	3,296	4,630	4,574
Other countries	1,226	-	1,842	1,797	-	2,321	-	-	-	-
LPG	5,686	6,113	5,987	6,307	7,173	8,140	7,240	8,681	10,782	11,780
Bahrain	5,490	6,134	6,006	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	8,391	6,626	8,693	13,577	-
Malaysia	5,544	-	-	5,952	-	-	7,668	10,294	11,218	11,739
Philippines	5,718	6,097	6,106	6,814	6,986	7,631	6,755	12,478	-	-
Saudi Arabia	5,662	6,169	6,289	-	-	-	-	-	-	-
Singapore	5,870	5,958	6,351	5,527	-	8,385	7,180	7,600	11,402	11,974
South Africa	-	6,091	5,776	6,182	7,211	7,952	7,323	8,747	10,677	11,777
Utd. Arab Emirates	5,468	6,609	-	-	-	-	-	-	10,508	-
Other countries	5,774	6,110	6,302	-	7,820	9,458	7,371	15,651	-	-
Coal	786	542	919	982	1,090	1,116	1,325	870	877	1,125
Greece	-	-	-	1,047	-	-	-	-	-	-
Mozambique	-	-	-	-	-	-	1,396	850	809	-
South Africa	786	542	919	981	1,090	1,116	1,209	875	890	1,125

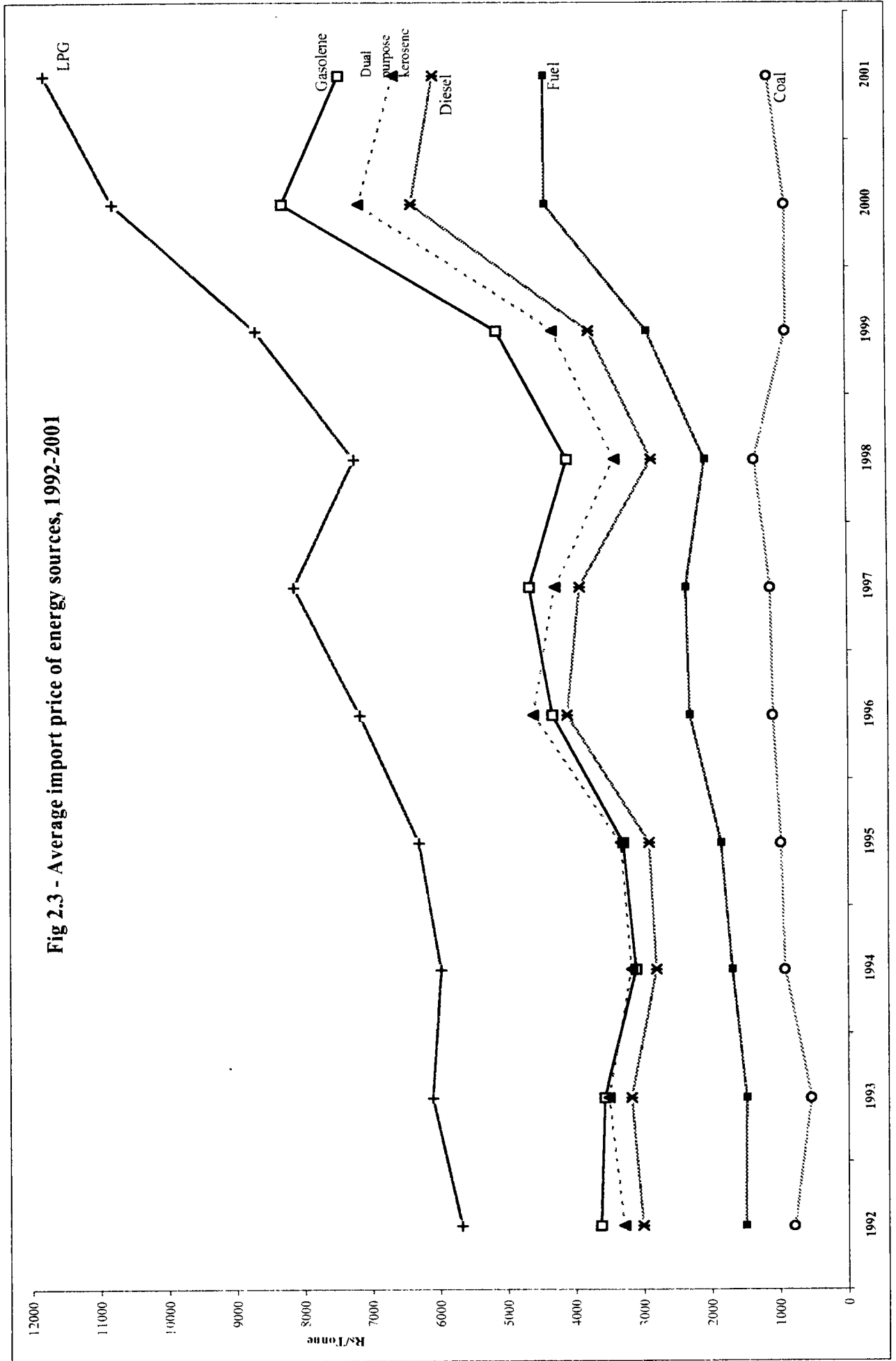
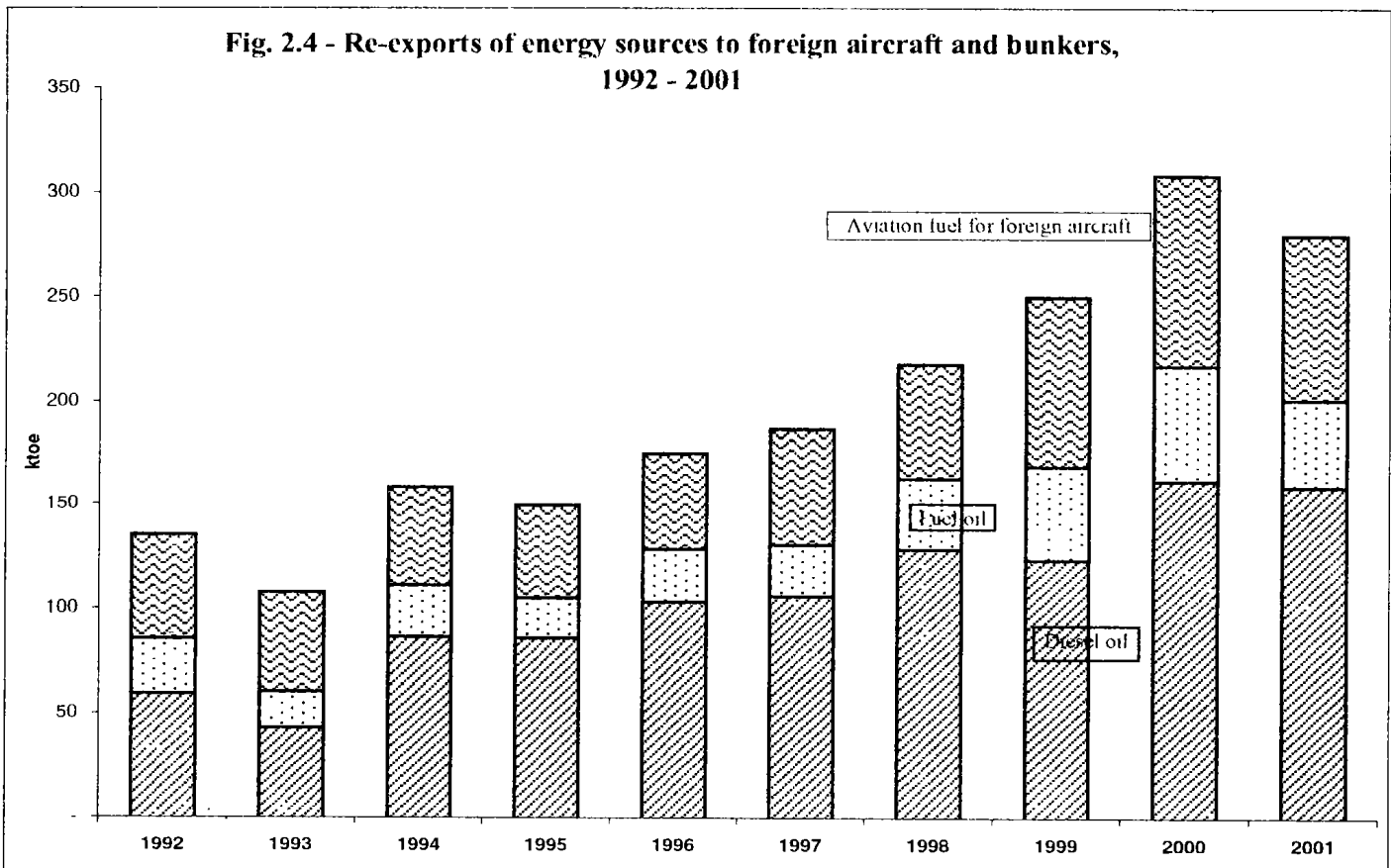


Table 2.7 - Re-exports of energy sources to foreign aircraft and bunkers, 1992 - 2001

Energy re-exported	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
	<i>Thousand tonne</i>									
Aviation fuel for foreign aircraft	48.00	45.54	45.35	42.76	44.57	54.00	53.15	78.26	87.52	75.95
Diesel oil	58.95	42.60	85.75	85.05	102.15	104.82	127.32	122.12	159.97	156.72
Fuel oil	27.20	18.06	25.53	19.97	26.25	25.71	35.32	46.94	57.62	43.96
Total	134.15	106.20	156.63	147.78	172.97	184.53	215.79	247.33	305.10	276.63
	<i>Ktoe</i>									
Aviation fuel for foreign aircraft	49.92	47.36	47.16	44.47	46.35	56.16	55.27	81.39	91.02	78.99
Diesel oil	59.54	43.03	86.61	85.90	103.17	105.87	128.59	123.34	161.57	158.29
Fuel oil	26.11	17.34	24.51	19.17	25.20	24.68	33.91	45.06	55.32	42.20
Total	135.57	107.73	158.28	149.54	174.73	186.71	217.77	249.79	307.90	279.48

Fig. 2.4 - Re-exports of energy sources to foreign aircraft and bunkers, 1992 - 2001



Section III

Transformation of energy

Table 3.1 - Plant capacity, peak demand, electricity generation and consumption, 1992 - 2001

Year	Plant capacity (MW)				Peak Demand (MW)		Electricity generated (GWh)				Consumption (GWh)
	Installed		Effective		Isl. of Mttus	Rod.	Hydro	Wind	Thermal	Total	
	Isl. of Mttus	Rod.	Isl. of Mttus	Rod.							
1992	331.7	3.6	283.9	3.0	155.7	1.8	113.17	0.17	816.76	930.11	694.41
1993	339.2	3.6	307.8	3.0	169.6	2.1	104.05	0.20	884.33	988.58	750.46
1994	339.2	3.6	307.8	3.0	187.2	2.3	75.75	0.21	971.82	1,047.78	818.59
1995	364.6	4.0	331.9	3.4	200.5	2.6	135.02	0.04	1,030.47	1,165.53	913.85
1996	364.6	4.0	331.9	3.4	218.7	2.9	104.50	0.10	1,167.59	1,272.19	995.96
1997	401.7	5.0	370.0	4.4	238.1	3.2	93.15	0.05	1,304.97	1,398.17	1,087.35
1998	480.4	6.0	396.7	5.4	248.9	3.5	104.71	-	1,434.20	1,538.91	1,190.31
1999	522.3	6.0	425.7	5.4	265.8	3.8	30.01	-	1,554.79	1,584.80	1,244.12
2000	654.8*	6.0	571.8*	5.4	283.9	3.8	95.65	-	1,681.86	1,777.51	1,374.57
2001	654.8*	6.0	573.8*	5.4	297.4	4.2	70.82	-	1,840.00	1,910.82	1,466.63

* Includes plant capacity for electricity not exported to C.I.B, figures not available for former years

Source: Central Electricity Board and Annual Sugar Industry Energy Survey

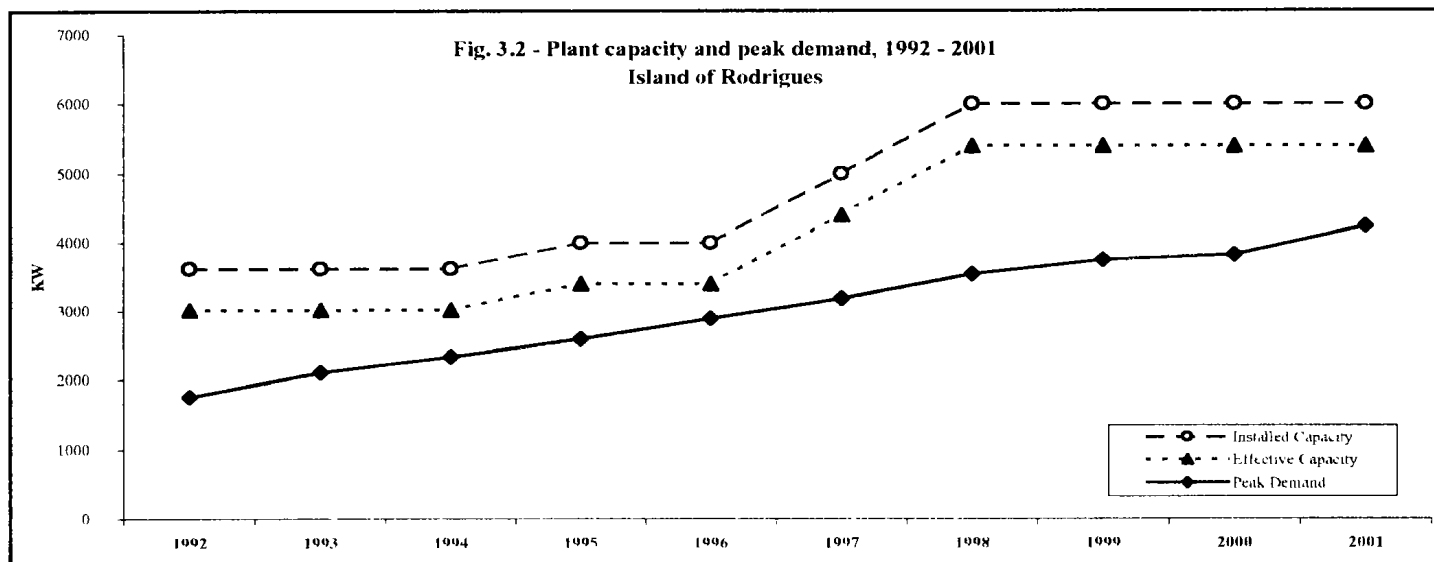
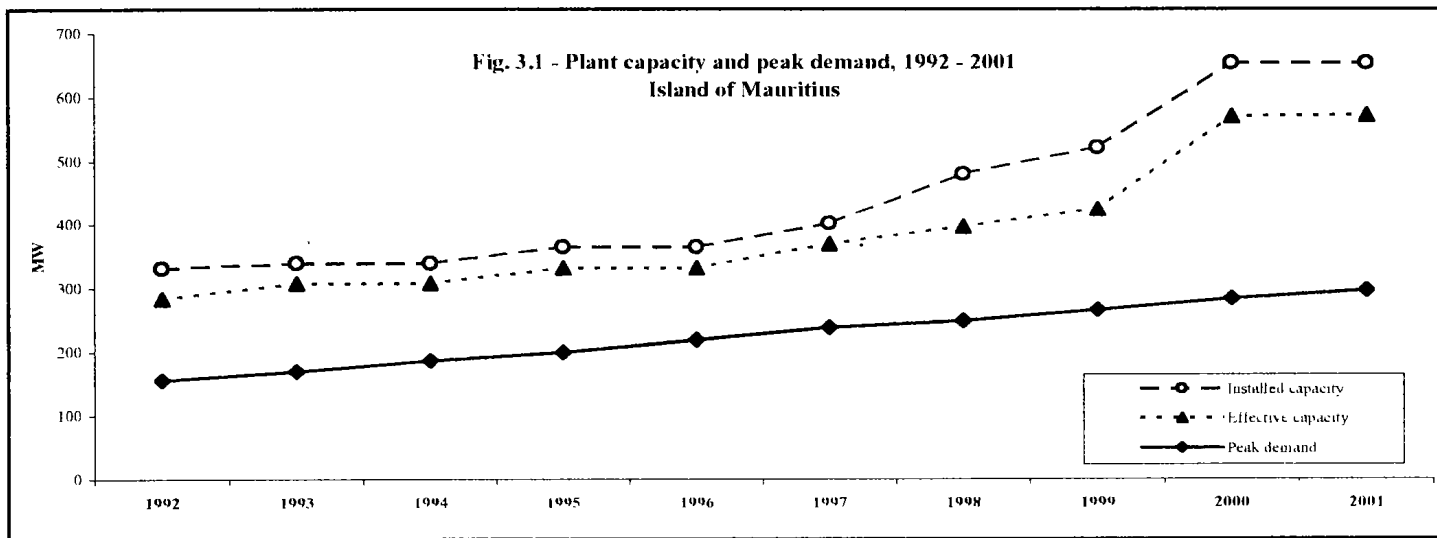


Table 3.2 - Plant capacity , 2001

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	0.10
Ferney	10.00	10.00	St Felix	0.05	0.04
Tamarind Falls	11.10	8.00	Britannia	0.10	0.04
Le Val	4.00	4.00	Total	0.35 ✓	0.18
Reduit	1.20	1.20	Thermal:		
Cascade Cecile	1.00	1.00	Firm producers ¹	140.30 ✓	125.10
Magenta	0.94	0.80	F.U.E.L.	40.50	36.00
La Ferme	1.20	1.20	Compagnie thermique de Belle Vue	71.20	64.00
Total	59.44 ✓	54.20	Consolidated energy limited	28.60	25.10
Thermal:			Continuous producers ²	106.20 ✓	86.30
Island of Mauritius	348.52 ✓	308.00	Savannah	15.60	14.00
St Louis	71.80	54.00	Medine	13.00	12.50
Fort Victoria	61.72	45.00	Britannia	2.20	1.40
Nicolay	78.00	76.00	Mon Desert Alma	13.70	12.20
Fort George	137.00	133.00	Mon Loisir	14.00	13.60
Island of Rodrigues	6.00 ✓	5.40	Riche en Eau	11.20	8.50
Total	354.52	313.40	Union St. Aubin	12.20	11.00
			Mon Tresor Mon Desert	18.10	9.50
			Rose Belle	2.00	1.50
			Highlands	1.80	1.30
			St Felix	2.40	0.80
Total	413.96	367.60	Total	246.50	211.40
Total	413.96	367.60	Total	246.85	211.58
Total plant capacity			Installed		Effective
1. Island of Mauritius			654.81		573.78
<i>CEB</i>			407.96		362.20
<i>IPP</i>			246.85		211.58
2. Island of Rodrigues (CEB)			6.00		5.40
Total			660.81		579.18

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

Fig. 3.3 - Electricity production by source of energy, 1992-2001

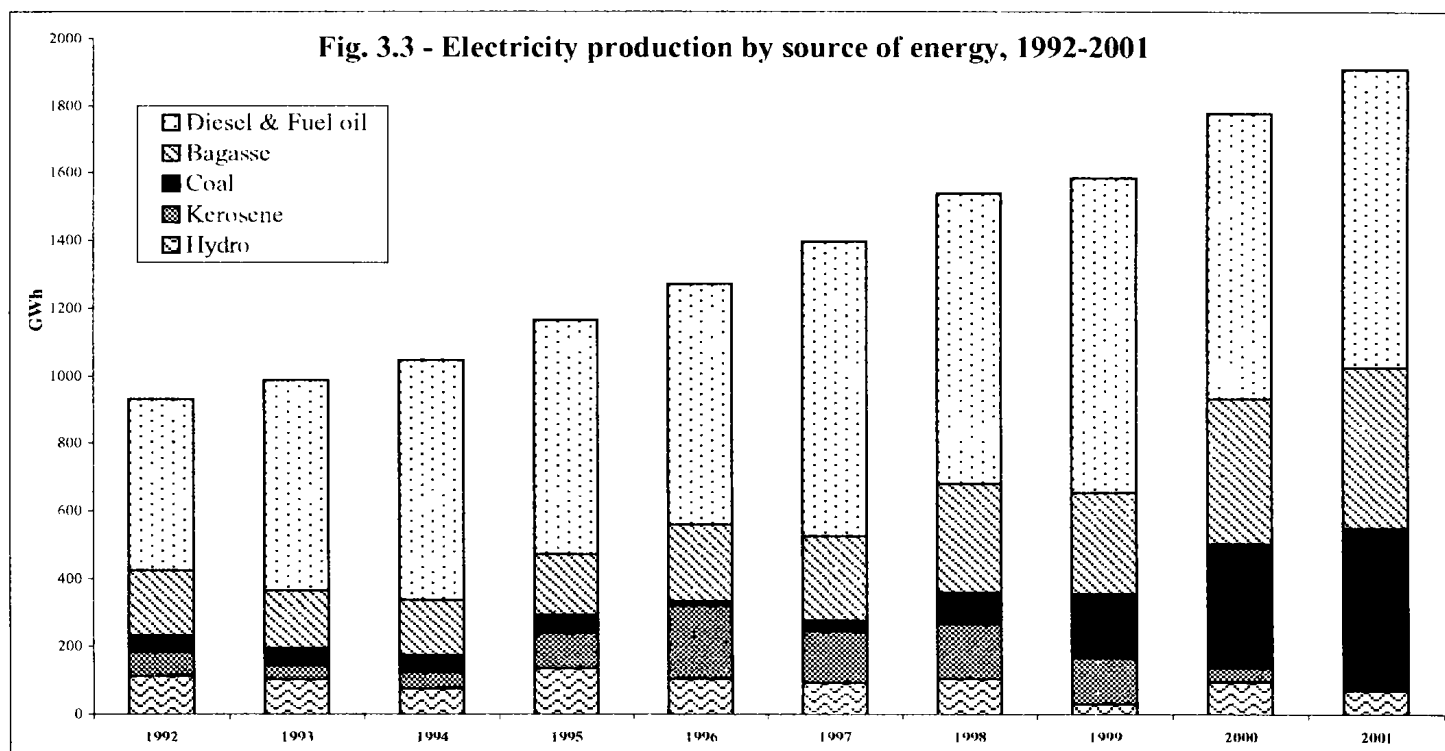


Table 3.5 - Generation of electricity by CEB and IPP, 1992 - 2001

Power station	GWh									
	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
CEB	687.69	766.42	832.97	934.08	1,035.29	1,118.60	1,124.76	1,096.95	983.33	967.54
Hydro	112.45	102.90	75.23	134.17	103.65	92.18	103.95	29.53	95.25	70.44
Wind	0.17	0.20	0.21	0.04	0.10	0.05	-	-	-	-
<i>Island of Rodrigues</i>	0.17	0.20	0.21	0.04	0.10	0.05	-	-	-	-
Thermal	575.06	663.32	757.53	799.87	931.54	1,026.37	1,020.81	1,067.41	888.08	897.09
<i>Island of Mauritius</i>	567.18	654.37	746.94	787.93	918.33	1,011.31	1,003.89	1,049.30	868.46	876.47
<i>Island of Rodrigues</i>	7.88	8.95	10.59	11.94	13.21	15.06	16.92	18.11	19.62	20.63
IPP	242.42	222.16	214.81	231.45	236.90	279.57	414.15	487.85	794.18	943.29
Hydro	0.72	1.15	0.52	0.85	0.85	0.97	0.76	0.47	0.40	0.38
<i>Of which: exported to CEB</i>	0.61	0.80	0.22	0.25	0.17	0.25	0.22	0.04	0.01	0.00
Thermal ¹	241.70	221.01	214.29	230.59	236.05	278.60	413.39	487.38	793.78	942.91
<i>Of which: exported to CEB</i>	128.42	111.04	122.63	125.02	128.83	148.00	256.73	343.72	601.17	710.16
Coal (<i>Fin producers</i> ²)	43.10	40.00	46.00	40.90	9.84	23.38	62.39	155.20	322.72	413.69
Bagasse	85.32	71.04	76.63	84.12	119.00	124.61	194.34	188.53	278.45	296.47
<i>Fin producers</i> ²	...	..	.	49.14	79.61	66.07	81.81	110.76	166.96	182.79
<i>Continuous producers</i> ³	..	.	.	34.98	39.39	58.54	112.53	77.76	111.49	113.68
Total	930.11	988.58	1,047.78	1,165.53	1,272.19	1,398.17	1,538.91	1,584.80	1,777.51	1,910.82

1 Estimate

2 Producing electricity all year round with bagasse/coal

3 Producing electricity with bagasse only during crop season

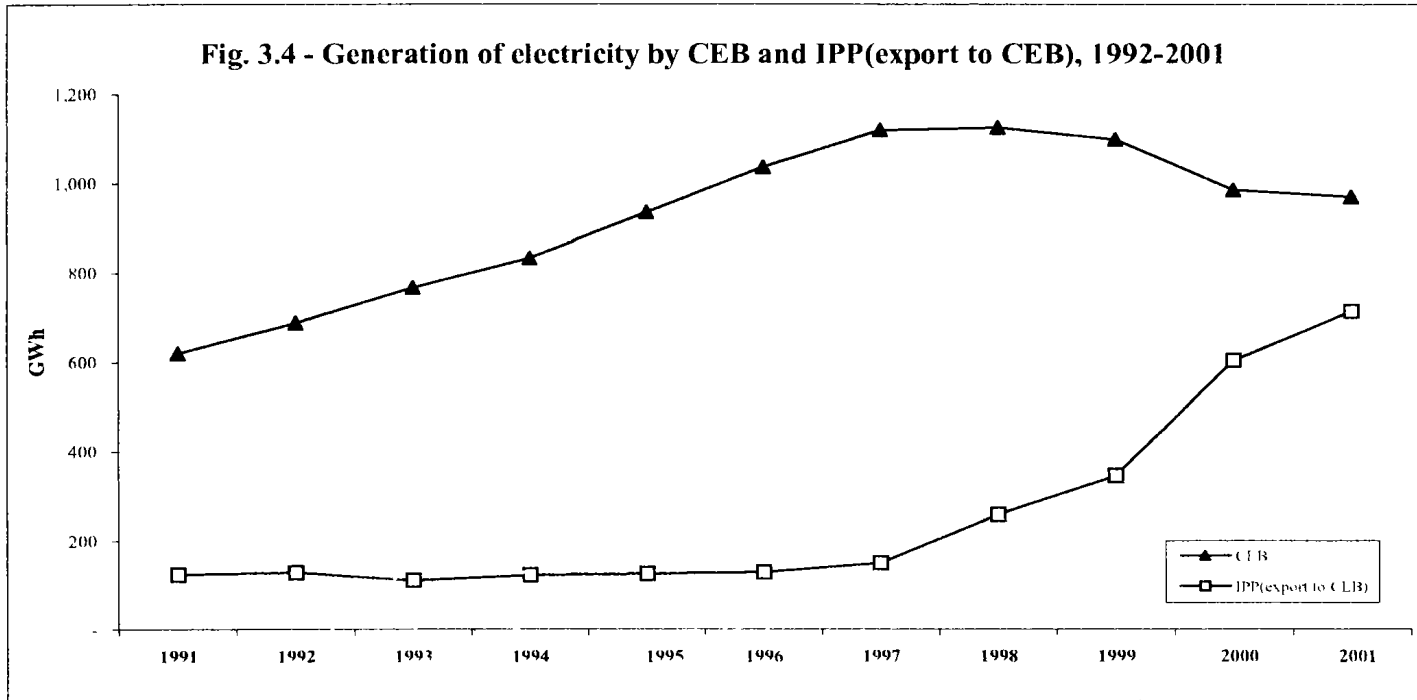


Table 3.6 - Percentage share of electricity generated by CEB and IPP, 1992 - 2001

Power station	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
CEB	73.9	77.5	79.5	80.1	81.4	80.0	73.1	69.2	55.3	50.6
Hydro	12.1	10.4	7.2	11.5	8.1	6.6	6.8	1.9	5.4	3.7
Wind	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
<i>Island of Rodrigues</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>
Thermal	61.8	67.1	72.3	68.6	73.2	73.4	66.3	67.4	50.0	46.9
<i>Island of Mauritius</i>	61.0	66.2	71.3	67.6	72.2	72.3	65.2	66.2	48.9	45.9
<i>Island of Rodrigues</i>	<i>0.8</i>	<i>0.9</i>	<i>1.0</i>	<i>1.0</i>	<i>1.0</i>	<i>1.1</i>	<i>1.1</i>	<i>1.1</i>	<i>1.1</i>	<i>1.1</i>
IPP	26.1	22.5	20.5	19.9	18.6	20.0	26.9	30.8	44.7	49.4
Hydro	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0
<i>Of which: exported to CEB</i>	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Thermal	26.0	22.4	20.5	19.8	18.6	19.9	26.9	30.8	44.7	49.3
<i>Of which: exported to CEB</i>	13.8	11.2	11.7	10.7	10.1	10.6	16.7	21.7	33.8	37.2
Coal (<i>Firm producers¹</i>)	4.6	4.0	4.4	3.5	0.8	1.7	4.1	9.8	18.2	21.6
Bagasse	9.2	7.2	7.3	7.2	9.4	8.9	12.6	11.9	15.7	15.5
<i>Firm producers¹</i>	...	...	...	4.2	6.3	4.7	5.3	7.0	9.4	9.6
<i>Continuous producers²</i>	...	...	...	3.0	3.1	4.2	7.3	4.9	6.3	5.9
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

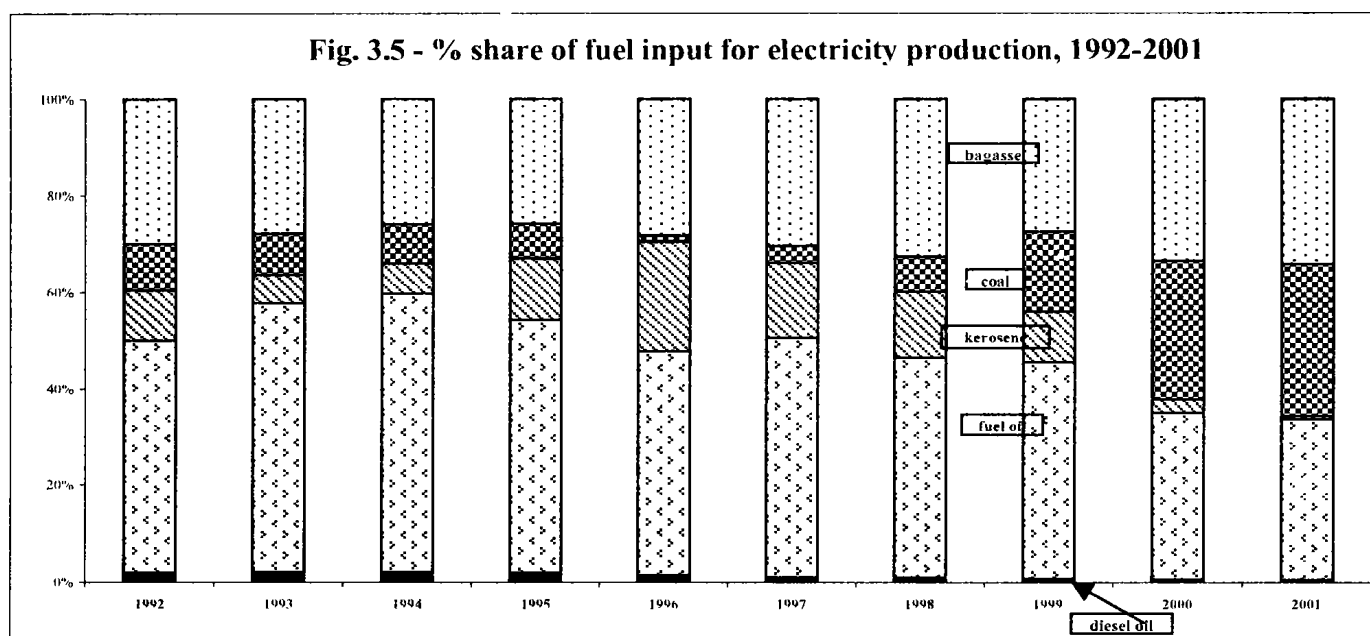
2 Producing electricity with bagasse **only** during crop season

Table 3.7 - Fuel input for electricity production, 1992 - 2001

Fuel	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Tonne										
<u>Island of Mauritius</u>										
Fuel oil	108,096	128,125	147,129	142,886	145,398	160,798	176,006	190,683	171,343	181,009
Diesel oil	2,609	2,768	2,844	2,599	2,202	2,299	2,529	3,064	2,822	2,553
Kerosene	21,330	12,272	14,789	32,332	65,827	46,993	49,676	41,948	13,081	3,760
Coal	33,780	30,853	31,949	30,289	6,557	18,430	45,035	112,123	228,520	273,376
Bagasse*	403,400	384,200	395,800	422,900	533,000	597,200	766,400	714,000	1,021,500	1,142,500
<u>Island of Rodrigues</u>										
Fuel oil **	-	-	-	-	611	1,860	2,726	3,740	4,172	4,328
Diesel oil **	1,775	2,010	2,190	2,685	2,230	1,130	1,223	440	542	585
ktoe										
<u>Island of Mauritius</u>										
Fuel oil	103.77	123.00	141.24	137.17	139.58	154.37	168.97	183.06	164.49	173.77
Diesel oil	2.64	2.80	2.87	2.62	2.22	2.32	2.55	3.10	2.85	2.58
Kerosene	22.18	12.76	15.38	33.63	68.46	48.87	51.66	43.63	13.60	3.91
Coal	20.94	19.13	19.81	18.78	4.07	11.43	27.92	69.52	141.68	169.49
Bagasse*	64.54	61.47	63.33	67.66	85.28	95.55	122.62	114.24	163.44	182.80
Sub total	214.08	219.16	242.63	259.86	299.61	312.54	373.73	413.53	486.07	532.55
<u>Island of Rodrigues</u>										
Fuel oil **	-	-	-	-	0.59	1.79	2.62	3.59	4.00	4.15
Diesel oil **	1.79	2.03	2.21	2.71	2.25	1.14	1.24	0.44	0.55	0.59
Sub total	1.79	2.03	2.21	2.71	2.84	2.93	3.85	4.03	4.55	4.75
Total	215.87	221.19	244.85	262.58	302.45	315.47	377.58	417.57	490.62	537.30
Percentage										
<u>Island of Mauritius</u>										
Fuel oil	48.1	55.6	57.7	52.2	46.2	48.9	44.7	43.8	33.5	32.3
Diesel oil	1.2	1.3	1.2	1.0	0.7	0.7	0.7	0.7	0.6	0.5
Kerosene	10.3	5.8	6.3	12.8	22.6	15.5	13.7	10.4	2.8	0.7
Coal	9.7	8.6	8.1	7.2	1.3	3.6	7.4	16.6	28.9	31.5
Bagasse *	29.9	27.8	25.9	25.8	28.2	30.3	32.5	27.4	33.3	34.0
Sub total	99.2	99.1	99.1	99.0	99.1	99.1	99.0	99.0	99.1	99.1
<u>Island of Rodrigues</u>										
Fuel oil **	-	-	-	-	0.2	0.6	0.7	0.9	0.8	0.8
Diesel oil **	0.8	0.9	0.9	1.0	0.7	0.4	0.3	0.1	0.1	0.1
Sub total	0.8	0.9	0.9	1.0	0.9	0.9	1.0	1.0	0.9	0.9
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

* Estimates

** Figures for 1992-1997 are estimates

Fig. 3.5 - % share of fuel input for electricity production, 1992-2001

Section IV

Final energy consumption

Table 4.1 - Final energy consumption¹ by sector (Energy unit), 1992 - 2001

Sector	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
1. Manufacturing	288.73	289.73	268.81	305.29	292.21	311.76	299.34	240.19	249.89	262.41
<i>1.1 excluding bagasse</i>	93.19	101.25	104.26	110.59	122.28	128.76	139.24	144.13	164.80	177.77
<i>1.2 bagasse²</i>	195.54	188.48	164.54	194.70	169.94	183.01	160.10	96.06	85.09	84.64
2. Transport	249.33	256.38	269.73	268.77	285.46	291.37	309.21	325.96	355.87	372.30
3. Household	78.57	79.95	78.65	81.34	84.21	86.93	89.79	91.98	99.20	101.84
4. Commercial and Distributive Trade	18.20	20.34	22.27	23.97	26.04	29.12	32.25	34.09	36.93	40.78
5. Agriculture	2.97	2.97	3.42	3.41	3.85	3.89	4.40	4.26	4.77	4.79
6. Other (n.e.s) and losses	1.03	1.09	1.21	1.26	1.35	1.45	1.57	1.83	2.30	2.30
TOTAL	638.82	650.46	644.08	684.04	693.12	724.52	736.56	698.30	748.95	784.43

¹ Revised according to change in conversion factor and inclusion of own use of IPPs

² Estimate

Table 4.2 - Percentage share of final energy consumption by sector, 1992 - 2001

Sector	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
1. Manufacturing	45.2	44.5	41.7	44.6	42.2	43.0	40.6	34.4	33.4	33.5
<i>1.1 excluding bagasse</i>	14.6	15.6	16.2	16.2	17.6	17.8	18.9	20.6	22.0	22.7
<i>1.2 bagasse</i>	30.6	29.0	25.5	28.5	24.5	25.3	21.7	13.8	11.4	10.8
2. Transport	39.0	39.4	41.9	39.3	41.2	40.2	42.0	46.7	47.5	47.5
3. Household	12.3	12.3	12.2	11.9	12.1	12.0	12.2	13.2	13.2	13.0
4. Commercial and Distributive Trade	2.8	3.1	3.5	3.5	3.8	4.0	4.4	4.9	4.9	5.2
5. Agriculture	0.5	0.5	0.5	0.5	0.6	0.5	0.6	0.6	0.6	0.6
6. Other (n.e.s) and losses	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

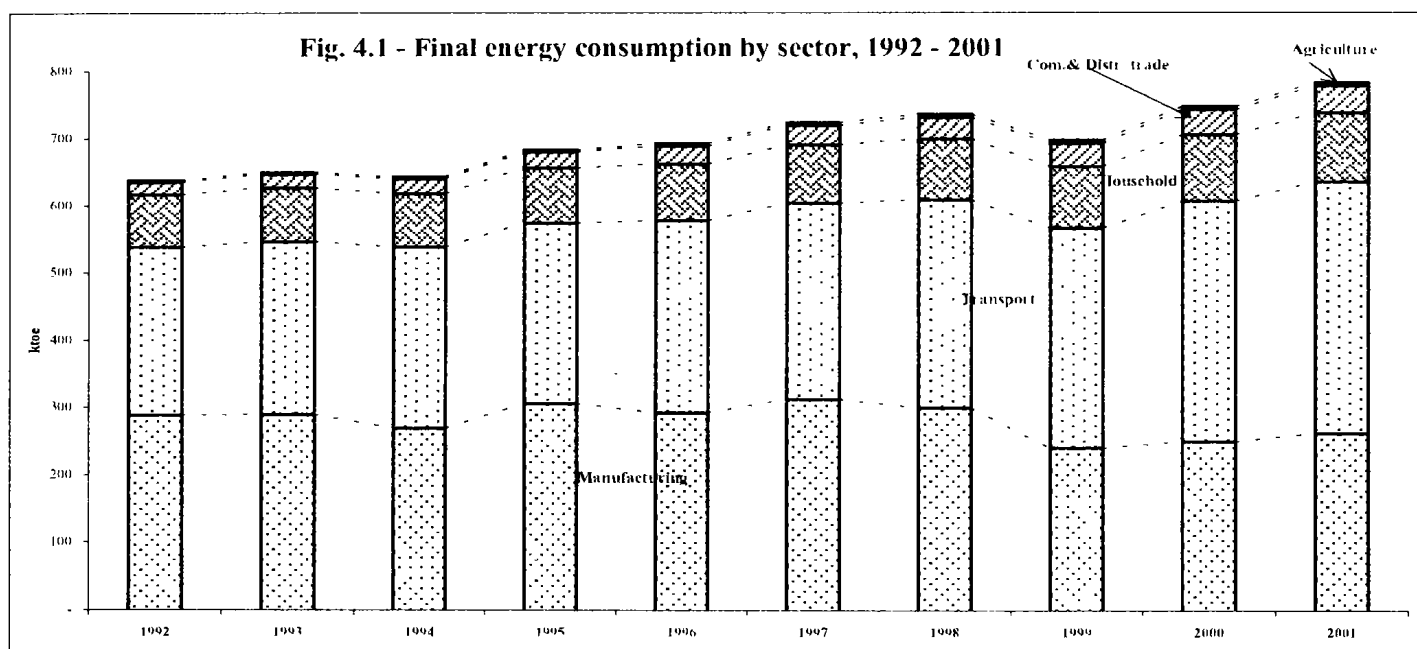


Table 4.3 - Final energy consumption by sector and type of fuel (Physical unit), 1992 - 2001

Sector	Unit	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
1. Manufacturing											
1.1 excluding bagasse											
Fuel oil	tonne	26,909	29,362	31,814	34,203	36,590	39,518	42,774	45,150	49,000	60,630
Diesel oil	tonne	15,000	16,459	18,373	17,255	23,367	26,622	30,233	32,650	41,600	37,533
LPG	tonne	1,800	2,200	2,470	2,550	2,761	3,179	3,276	3,600	3,689	3,650
Coal	tonne	27,000	31,593	30,647	32,797	33,727	27,242	25,713	24,490	24,464	25,781
Fuel wood ¹	tonne	7,070	7,142	4,382	3,900	3,400	2,500	2,000	1,800	1,500	1,500
Electricity ²	GWh	358.7	369.4	370.2	415.9	446.2	496.1	551.3	558.8	651.6	711.37
1.2 bagasse ¹	tonne	1,222,100	1,178,000	1,028,400	1,216,900	1,062,100	1,143,800	1,000,600	600,400	531,800	529,000
2. Transport											
Gasoline	tonne	67,848	72,308	79,595	83,958	87,387	87,671	88,592	89,500	92,000	87,749
LPG	tonne	-	-	-	-	-	-	264	485	633	820
Diesel oil	tonne	86,319	94,092	99,202	101,876	106,224	113,361	118,934	126,500	142,000	145,555
Aviation fuel (local aircraft)	tonne	85,454	80,052	80,363	72,305	80,569	79,025	89,537	97,126	108,082	124,652
3. Household											
Kerosene	tonne	12,296	11,699	10,793	10,590	10,504	9,533	9,472	9,100	9,600	9,480
LPG	tonne	25,000	27,458	27,550	28,600	30,437	32,313	32,837	34,700	37,710	37,850
Fuel wood ¹	tonne	42,600	35,300	30,100	26,100	23,200	20,900	19,000	16,400	16,000	15,900
Charcoal ¹	tonne	1,100	1,000	500	400	350	300	250	200	150	150
Electricity	GWh	253.28	278.82	300.81	339.95	364.47	394.93	431.20	449.60	491.93	522.80
4. Commercial and Distributive Trade											
LPG	tonne	2,500	3,264	3,281	3,150	3,356	3,650	4,000	4,500	4,150	4,450
Charcoal ¹	tonne	1,200	1,000	1,000	800	500	300	300	300	300	330
Electricity	GWh	169.90	186.92	209.18	232.29	256.35	290.26	322.32	337.38	374.85	415.54
5. Agriculture											
Diesel oil ¹	tonne	1,600	1,700	1,800	1,900	2,000	2,100	2,200	2,300	2,400	2,460
Electricity	GWh	15.69	14.63	18.59	17.31	21.29	20.53	25.34	22.47	27.24	26.77

1 Revised estimates

2 Revised to include own use of IPPs

Table 4.4 - Final energy consumption by sector and type of fuel (Energy unit), 1992 - 2001

Sector	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
1. Manufacturing	288.73	289.73	268.81	305.29	292.21	311.76	299.34	240.19	249.89	262.41
1.1 excluding bagasse	93.19	101.25	104.26	110.59	122.28	128.76	139.24	144.13	164.80	177.77
Fuel oil	25.83	28.19	30.54	32.83	35.13	37.94	41.06	43.34	47.04	58.20
Diesel oil	15.15	16.62	18.56	17.43	23.60	26.89	30.54	32.98	42.02	37.91
LPG	1.94	2.38	2.67	2.75	2.98	3.43	3.54	3.89	3.98	3.94
Coal	16.74	19.59	19.00	20.33	20.91	16.89	15.94	15.18	15.17	15.98
Fuel wood ¹	2.69	2.71	1.67	1.48	1.29	0.95	0.76	0.68	0.57	0.57
Electricity ²	30.84	31.76	31.83	35.76	38.37	42.66	47.40	48.05	56.02	61.16
1.2 bagasse¹	195.54	188.48	164.54	194.70	169.94	183.01	160.10	96.06	85.09	84.64
2. Transport	249.33	256.38	269.73	268.77	285.46	291.37	309.21	325.96	355.87	372.30
Gasolene	73.28	78.09	85.96	90.67	94.38	94.68	95.68	96.66	99.36	94.77
LPG	-	-	-	-	-	-	0.28	0.52	0.68	0.89
Diesel oil	87.18	95.03	100.19	102.89	107.29	114.49	120.12	127.77	143.42	147.01
Aviation Fuel	88.87	83.25	83.58	75.20	83.79	82.19	93.12	101.01	112.41	129.64
3. Household	78.57	79.95	78.65	81.34	84.21	86.93	89.79	91.98	99.20	101.84
Kerosene	12.79	12.17	11.22	11.01	10.92	9.91	9.85	9.46	9.98	9.86
LPG	27.00	29.65	29.75	30.89	32.87	34.90	35.46	37.48	40.73	40.88
Fuel wood ¹	16.19	13.41	11.44	9.92	8.82	7.94	7.22	6.23	6.08	6.04
Charcoal ¹	0.81	0.74	0.37	0.30	0.26	0.22	0.19	0.15	0.11	0.11
Electricity ²	21.78	23.97	25.86	29.23	31.34	33.96	37.07	38.66	42.30	44.95
4. Commercial and Distributive Trade	18.20	20.34	22.27	23.97	26.04	29.12	32.25	34.09	36.93	40.78
LPG	2.70	3.53	3.54	3.40	3.62	3.94	4.32	4.86	4.48	4.81
Charcoal ¹	0.89	0.74	0.74	0.59	0.37	0.22	0.22	0.22	0.22	0.24
Electricity ³	14.61	16.07	17.99	19.97	22.04	24.96	27.71	29.01	32.23	35.73
5. Agriculture	2.97	2.97	3.42	3.41	3.85	3.89	4.40	4.26	4.77	4.79
Diesel oil ¹	1.62	1.72	1.82	1.92	2.02	2.12	2.22	2.32	2.42	2.48
Electricity ³	1.35	1.26	1.60	1.49	1.83	1.77	2.18	1.93	2.34	2.30
6. Other (n.e.s) and losses	1.03	1.09	1.21	1.26	1.35	1.45	1.57	1.83	2.30	2.30
TOTAL	638.82	650.46	644.08	684.04	693.12	724.52	736.56	698.30	748.95	784.43

1 Revised estimates

2 Revised according to change in conversion factor and inclusion of own use of IPPs

3 Revised according to change in conversion factor

Table 4.5 - Percentage share of final energy consumption (ktoe) by sector and type of fuel, 1992 - 2001

Sector	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
1. Manufacturing	44.8	44.0	41.6	43.7	41.6	42.4	40.2	34.4	33.4	33.5
1.1 Excluding bagasse	15.1	16.0	16.8	16.7	17.9	17.8	18.5	20.6	22.0	22.7
Fuel oil	3.3	3.6	3.8	3.8	4.0	4.1	4.3	6.2	6.3	7.4
Diesel oil	2.0	2.1	2.3	2.0	2.7	2.9	3.2	4.7	5.6	4.8
LPG	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.6	0.5	0.5
Coal	2.2	2.5	2.4	2.4	2.4	1.8	1.7	2.2	2.0	2.0
Fuel wood	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1
Electricity	7.0	7.2	7.7	8.0	8.4	8.6	9.0	6.9	7.5	7.8
1.2 Bagasse	29.7	28.1	24.9	27.0	23.7	24.6	21.6	13.8	11.4	10.8
2. Transport	32.3	32.4	33.8	31.5	32.3	31.1	32.1	46.7	47.5	47.5
Gasolene	9.5	9.9	10.8	10.6	10.7	10.1	9.9	13.8	13.3	12.1
LPG	-	-	-	-	-	-	0.0	0.1	0.1	0.1
Diesel oil	11.3	12.0	12.6	12.0	12.1	12.2	12.5	18.3	19.1	18.7
Jet Fuel	11.5	10.5	10.5	8.8	9.5	8.8	9.7	14.5	15.0	16.5
3. Household	13.3	13.9	14.0	14.1	14.4	14.4	14.9	13.2	13.2	13.0
Kerosene	1.7	1.5	1.4	1.3	1.2	1.1	1.0	1.4	1.3	1.3
LPG	3.5	3.7	3.7	3.6	3.7	3.7	3.7	5.4	5.4	5.2
Fuel wood	2.5	2.1	1.8	1.4	1.3	1.1	1.0	0.9	0.8	0.8
Charcoal	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Electricity	7.2	7.7	8.3	8.8	9.1	9.3	9.8	5.5	5.6	5.7
4. Commercial & Distr. Trade	5.3	5.7	6.3	6.4	6.8	7.3	7.8	4.9	4.9	5.2
LPG	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.6	0.6
Charcoal	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Electricity	4.8	5.2	5.8	6.0	6.4	6.8	7.4	4.2	4.3	4.6
5. Agriculture	0.7	0.6	0.7	0.7	0.8	0.7	0.8	0.6	0.6	0.6
Diesel oil	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
Electricity	0.4	0.4	0.5	0.4	0.5	0.5	0.6	0.3	0.3	0.3
6. Other (n.e.s) and losses	3.7	3.3	3.5	3.6	4.1	4.0	4.2	0.3	0.3	0.3
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, 1992 - 2001

Energy source	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Physical unit (Thousand tonne\GWh)										
Gasolene	67.8	72.3	79.6	84.0	87.4	87.7	88.6	89.5	92.0	87.7
Diesel Oil	102.9	112.3	119.4	121.0	131.6	142.1	151.4	161.5	186.0	185.5
Kerosene	12.3	11.7	10.8	10.6	10.5	9.5	9.5	9.1	9.6	9.5
Aviation Fuel	85.5	80.1	80.4	72.3	80.6	79.0	89.5	97.1	108.1	124.7
Fuel Oil	26.9	29.4	31.8	34.2	36.6	39.5	42.8	45.2	49.0	60.6
LPG	29.3	32.9	33.3	34.3	36.6	39.1	40.4	43.4	46.3	47.1
Coal	27.0	31.6	30.7	32.8	33.7	27.2	25.7	24.5	24.5	25.8
Electricity	809.5	862.3	912.7	1,020.0	1,103.9	1,218.7	1,347.5	1,388.2	1,570.5	1,699.8
Bagasse*	1,222.1	1,178.0	1,028.4	1,216.9	1,062.1	1,143.8	1,000.6	600.4	531.8	529.0
Fuel Wood *	49.7	42.4	34.5	30.0	26.6	23.4	21.0	18.2	17.5	17.4
Charcoal*	2.3	2.0	1.5	1.2	0.9	0.6	0.6	0.5	0.5	0.5
Energy unit (ktoe)										
Gasolene	73.3	78.1	86.0	90.7	94.4	94.7	95.7	96.7	99.4	94.8
Diesel Oil	104.0	113.4	120.6	122.2	132.9	143.5	152.9	163.1	187.9	187.4
Kerosene	12.8	12.2	11.2	11.0	10.9	9.9	9.9	9.5	10.0	9.9
Aviation Fuel	88.9	83.3	83.6	75.2	83.8	82.2	93.1	101.0	112.4	129.6
Fuel Oil	25.8	28.2	30.5	32.8	35.1	37.9	41.1	43.3	47.0	58.2
LPG	31.6	35.6	36.0	37.0	39.5	42.3	43.7	46.9	50.0	50.8
Coal	16.7	19.6	19.0	20.3	20.9	16.9	15.9	15.2	15.2	16.0
Electricity	69.6	74.1	78.5	87.7	94.9	104.8	115.9	119.4	135.0	146.1
Bagasse	195.5	188.5	164.5	194.7	169.9	183.0	160.1	96.1	85.1	84.6
Fuel Wood	18.9	16.1	13.1	11.4	10.1	8.9	8.0	6.9	6.7	6.6
Charcoal	1.7	1.5	1.1	0.9	0.6	0.4	0.4	0.4	0.3	0.4
Total	638.8	650.5	644.1	684.0	693.1	724.5	736.6	698.3	749.0	784.4
Percentage (%)										
Gasolene	11.5	12.0	13.3	13.3	13.6	13.1	13.0	13.8	13.3	12.1
Diesel Oil	16.3	17.4	18.7	17.9	19.2	19.8	20.8	23.4	25.1	23.9
Kerosene	2.0	1.9	1.7	1.6	1.6	1.4	1.3	1.4	1.3	1.3
Aviation Fuel	13.9	12.8	13.0	11.0	12.1	11.3	12.6	14.5	15.0	16.5
Fuel Oil	4.0	4.3	4.7	4.8	5.1	5.2	5.6	6.2	6.3	7.4
LPG	5.0	5.5	5.6	5.4	5.7	5.8	5.9	6.7	6.7	6.5
Coal	2.6	3.0	3.0	3.0	3.0	2.3	2.2	2.2	2.0	2.0
Electricity	10.9	11.4	12.2	12.8	13.7	14.5	15.7	17.1	18.0	18.6
Bagasse	30.6	29.0	25.5	28.5	24.5	25.3	21.7	13.8	11.4	10.8
Fuel Wood	3.0	2.5	2.0	1.7	1.5	1.2	1.1	1.0	0.9	0.8
Charcoal	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	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

* estimates

Fig 4.2 - Final energy consumption by energy source, 1992-2001

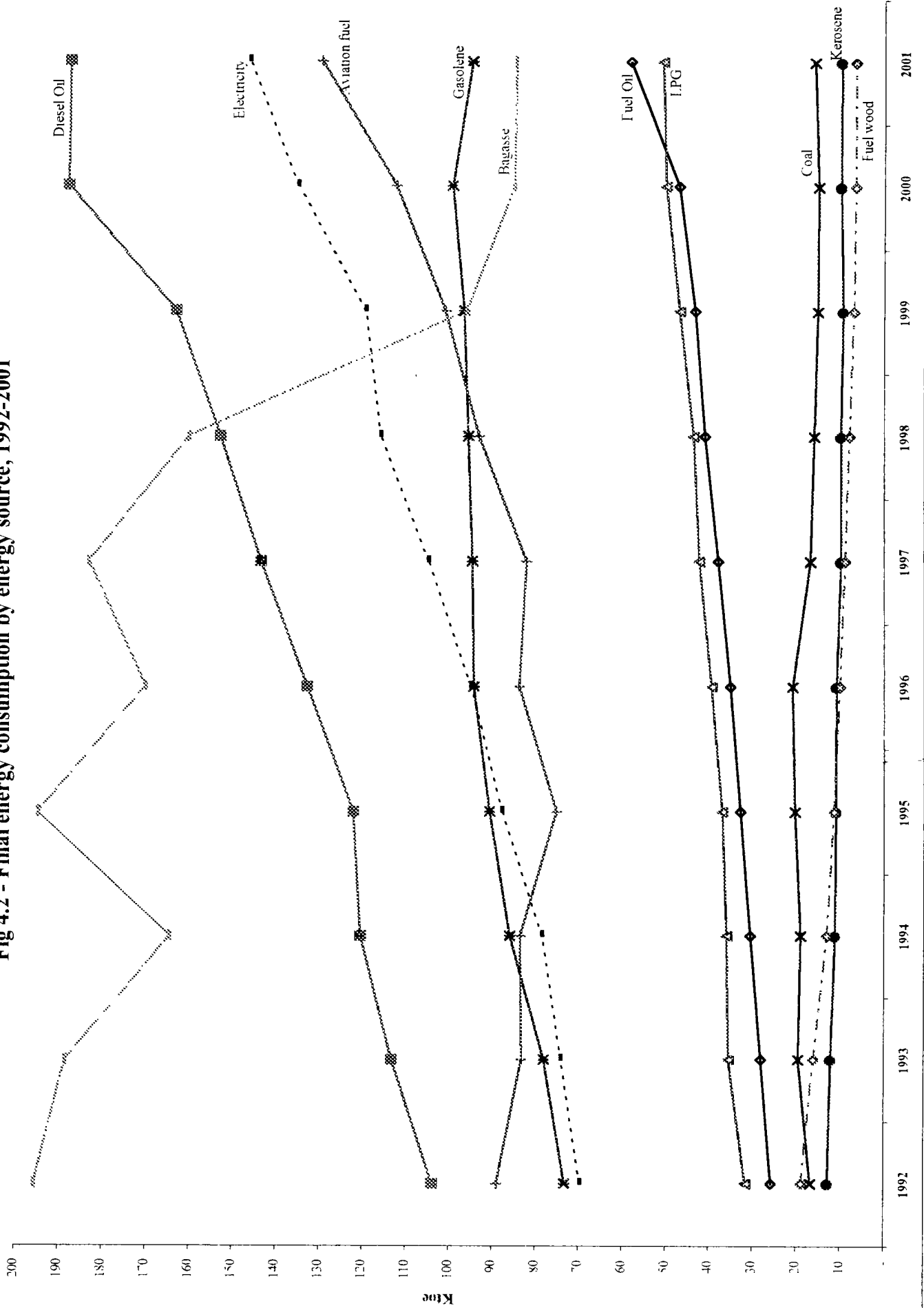


Table 4.7 - Sales of electricity by type of tariff, 1992 - 2001 (Republic of Mauritius)

Tariff group	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Number of consumers										
Domestic	218,074	226,945	232,348	244,286	253,157	261,204	269,981	279,432	288,520	297,051
Commercial	20,000	21,176	22,051	23,648	24,408	25,027	25,758	26,642	27,831	28,594
Industrial	5,627	5,886	6,136	6,502	6,647	6,701	6,854	7,090	7,008	7,084
Other	198	201	223	236	245	252	258	281	293	299
Total	243,899	254,208	260,758	274,672	284,457	293,184	302,851	313,445	323,652	333,028
GWh sold										
Domestic	253.3	278.8	300.8	340.0	364.5	394.9	431.2	449.6	491.9	522.8
Commercial	169.9	186.9	209.2	232.3	256.3	290.3	322.3	337.4	374.8	415.5
Industrial	261.0	273.7	296.9	327.0	359.6	385.3	419.5	437.2	485.8	505.0
Other	10.3	10.9	11.8	14.6	15.6	16.8	17.3	19.9	21.4	23.3
Total	694.5	750.3	818.6	913.9	996.0	1,087.4	1,190.3	1,244.1	1,374.0	1,466.6
Value sold (Rs.mn)										
Domestic	502.3	601.5	652.4	742.8	794.6	865.1	951.1	959.5	1,156.3	1,462.1
Commercial	413.2	492.3	549.1	612.2	670.9	769.6	810.8	823.8	1,038.5	1,400.5
Industrial	476.2	514.7	555.0	602.1	652.8	710.0	735.1	789.4	909.8	994.5
Other	32.3	33.2	35.2	17.3	43.9	50.8	52.3	56.9	66.3	83.0
Total	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	3,940.2

Source: Central Electricity Board

Fig. 4.3 - % distribution of electricity consumers by type of tariff, 2001

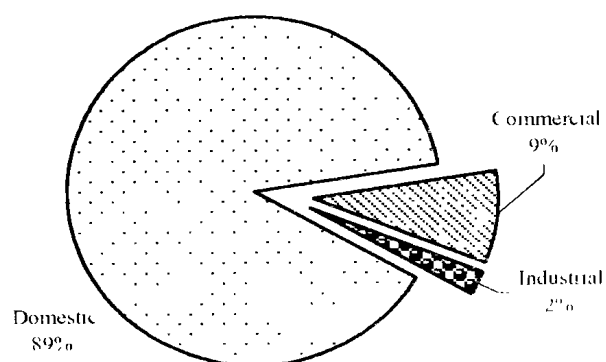


Fig. 4.4 - % share of GWh consumed by type of tariff, 2001

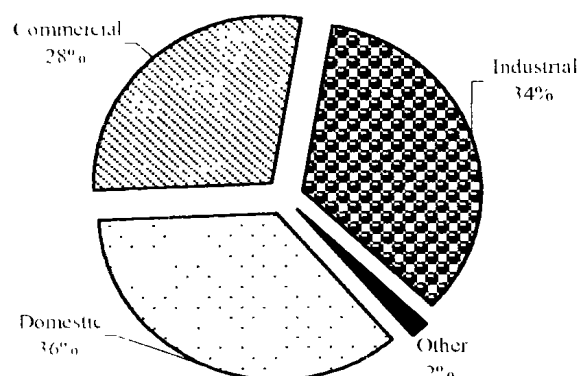
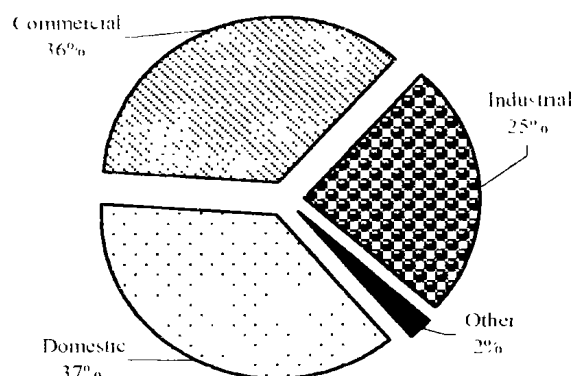
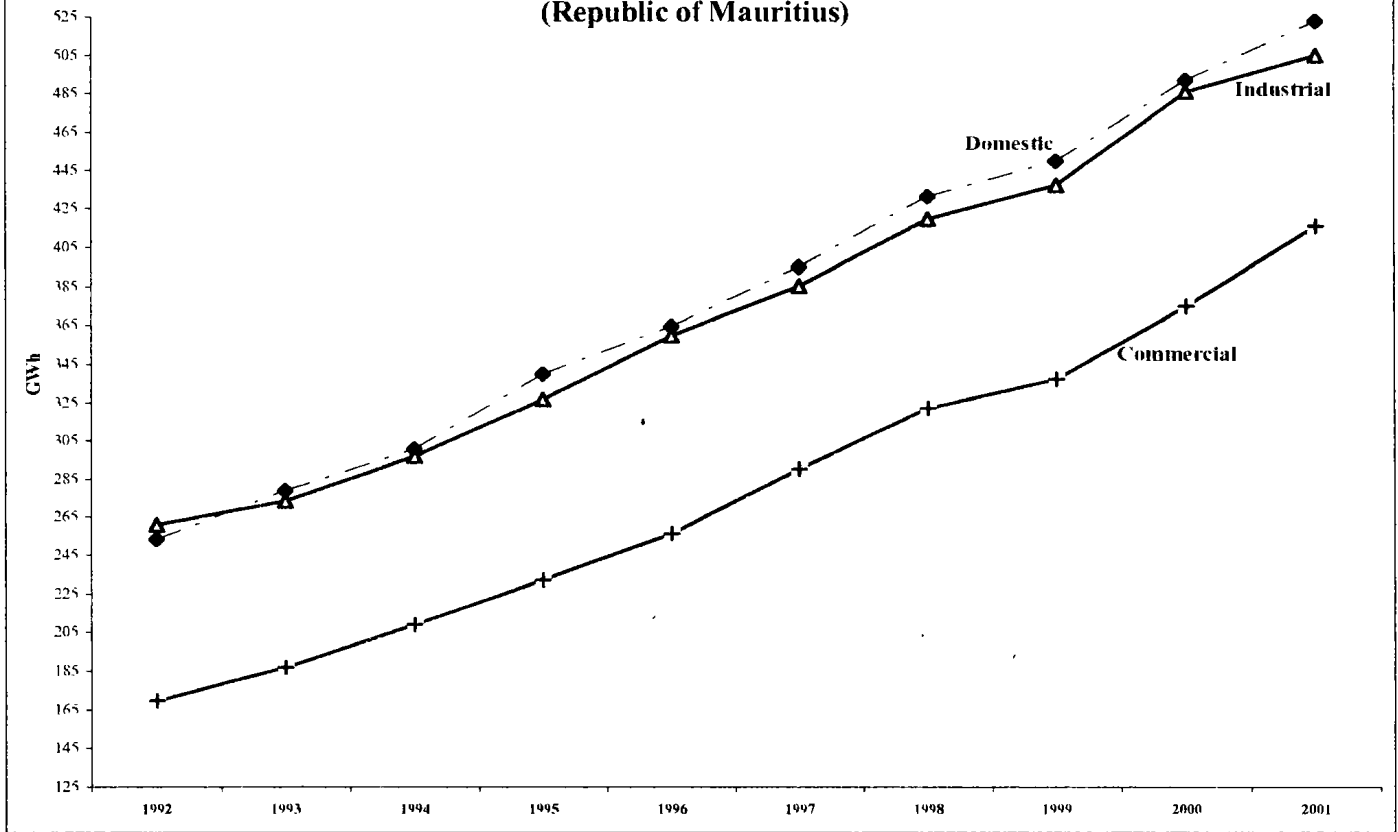


Fig. 4.5 - % share of sales value of electricity by type of tariff, 2001



**Fig. 4.6 - Sales of electricity by type of tariff, 1992-2001
(Republic of Mauritius)**



**Fig. 4.7 - Sales value of electricity by type of tariff, 1992-2001
(Republic of Mauritius)**

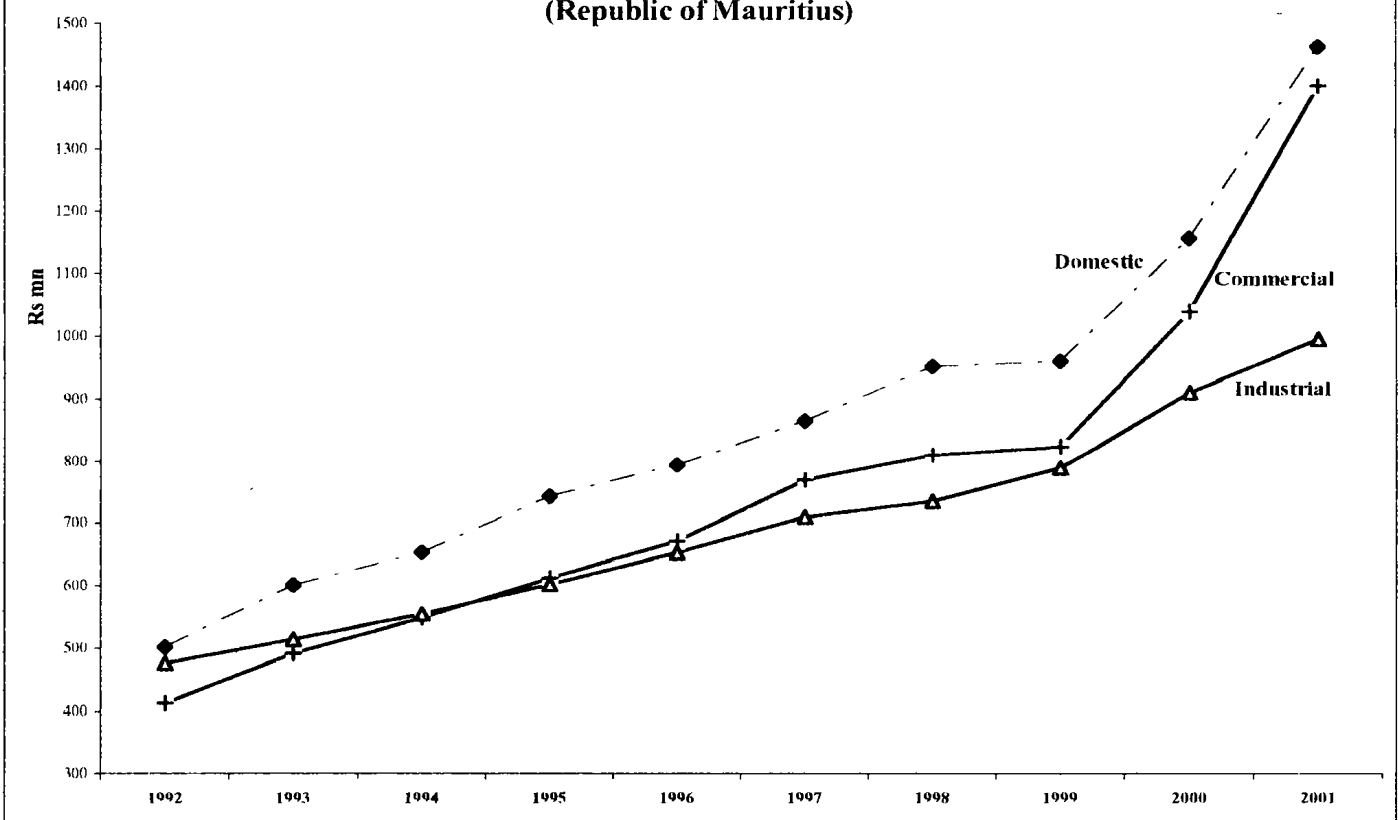


Table 4.8 - Sales of electricity by type of tariff, 1992 - 2001 (Island of Mauritius)

Tariff group	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Number of consumers										
Domestic	211,655	220,309	225,450	237,209	245,769	253,518	261,971	271,061	279,886	288,324
Commercial	19,400	20,503	21,356	22,924	23,631	24,216	24,914	25,730	26,915	27,655
Industrial	5,550	5,803	6,038	6,404	6,539	6,596	6,751	6,981	6,879	6,941
<i>General</i>	5,361	5,592	5,807	6,163	6,269	6,308	6,342	6,419	6,531	6,624
<i>Irrigation</i>	189	211	231	241	270	288	409	562	348	317
Other	197	200	222	230	239	246	251	257	283	293
Total	236,802	246,815	253,066	266,767	276,178	284,576	293,887	304,029	313,963	323,213
GWh sold										
Domestic	249.3	274.3	295.6	334.1	357.9	387.4	422.7	440.3	482.1	512.0
Commercial	168.3	185.0	206.8	229.6	253.6	287.1	318.6	333.5	370.7	411.0
Industrial	260.2	272.7	295.8	325.7	358.0	383.8	417.8	435.5	484.5	503.8
<i>General</i>	244.5	258.1	277.2	308.4	336.7	363.2	392.5	413.1	457.3	477.1
<i>Irrigation</i>	15.7	14.6	18.6	17.3	21.3	20.5	25.3	22.5	27.2	26.7
Other	10.3	10.9	11.8	14.6	15.6	16.8	17.3	19.9	21.2	23.034
<i>Street Lighting</i>	8.3	9.0	9.9	12.6	13.5	14.7	15.0	17.6	19.2	20.9
<i>Temporary</i>	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<i>CEB</i>	1.9	1.8	1.8	1.9	2.0	2.0	2.2	2.2	1.9	2.0
Total	688.0	742.9	810.0	904.0	985.0	1,075.1	1,176.4	1,229.3	1,358.5	1,449.8
Value sold (Rs.mn)										
Domestic	494.4	591.7	641.4	730.3	780.8	849.4	933.1	939.5	1,134.0	1,434.4
Commercial	408.5	486.5	541.9	604.0	662.5	760.3	799.7	811.9	1,024.8	1,382.2
Industrial	474.2	512.2	552.3	598.9	648.7	706.4	731.3	785.6	906.6	991.2
<i>General</i>	453.4	492.4	527.2	575.4	619.5	677.6	688.5	724.9	868.8	953.2
<i>Irrigation</i>	20.8	19.8	25.2	23.5	29.2	28.8	42.8	60.7	37.8	38.0
Other	32.3	33.1	35.2	17.2	43.8	50.7	52.3	56.8	65.7	82.2
Total	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	3,889.9
Average sales price (Rs./kWh)										
Domestic	1.98	2.16	2.17	2.19	2.18	2.19	2.21	2.13	2.35	2.80
Commercial	2.43	2.63	2.62	2.63	2.61	2.65	2.51	2.43	2.76	3.36
Industrial	1.82	1.88	1.87	1.84	1.81	1.84	1.75	1.80	1.87	1.97
<i>General</i>	1.85	1.91	1.90	1.87	1.84	1.87	1.75	1.75	1.90	2.00
<i>Irrigation</i>	1.33	1.36	1.35	1.36	1.37	1.40	1.69	2.70	1.39	1.42
Other	3.14	3.03	3.00	1.18	2.82	3.02	3.02	2.85	3.10	3.57
Average	2.05	2.19	2.19	2.16	2.17	2.20	2.14	2.11	2.30	2.68
Average no. of units per consumer (kWh)										
Domestic	1,178	1,245	1,311	1,408	1,456	1,528	1,613	1,624	1,723	1,776
Commercial	8,674	9,021	9,682	10,017	10,730	11,857	12,787	12,961	13,771	14,861
Industrial	46,883	46,993	48,990	50,859	54,753	58,181	61,894	62,389	70,430	72,589
<i>General</i>	45,605	46,151	47,744	50,035	53,715	57,582	61,891	64,351	70,014	72,026
<i>Irrigation</i>	83,038	69,314	80,464	71,820	78,834	71,291	61,946	39,985	78,223	84,348
Other	42,365	45,188	44,402	54,874	56,305	59,909	59,599	68,419	67,843	71,391
Average	2,906	3,010	3,201	3,389	3,567	3,778	4,003	4,043	4,327	4,486

Source: Central Electricity Board

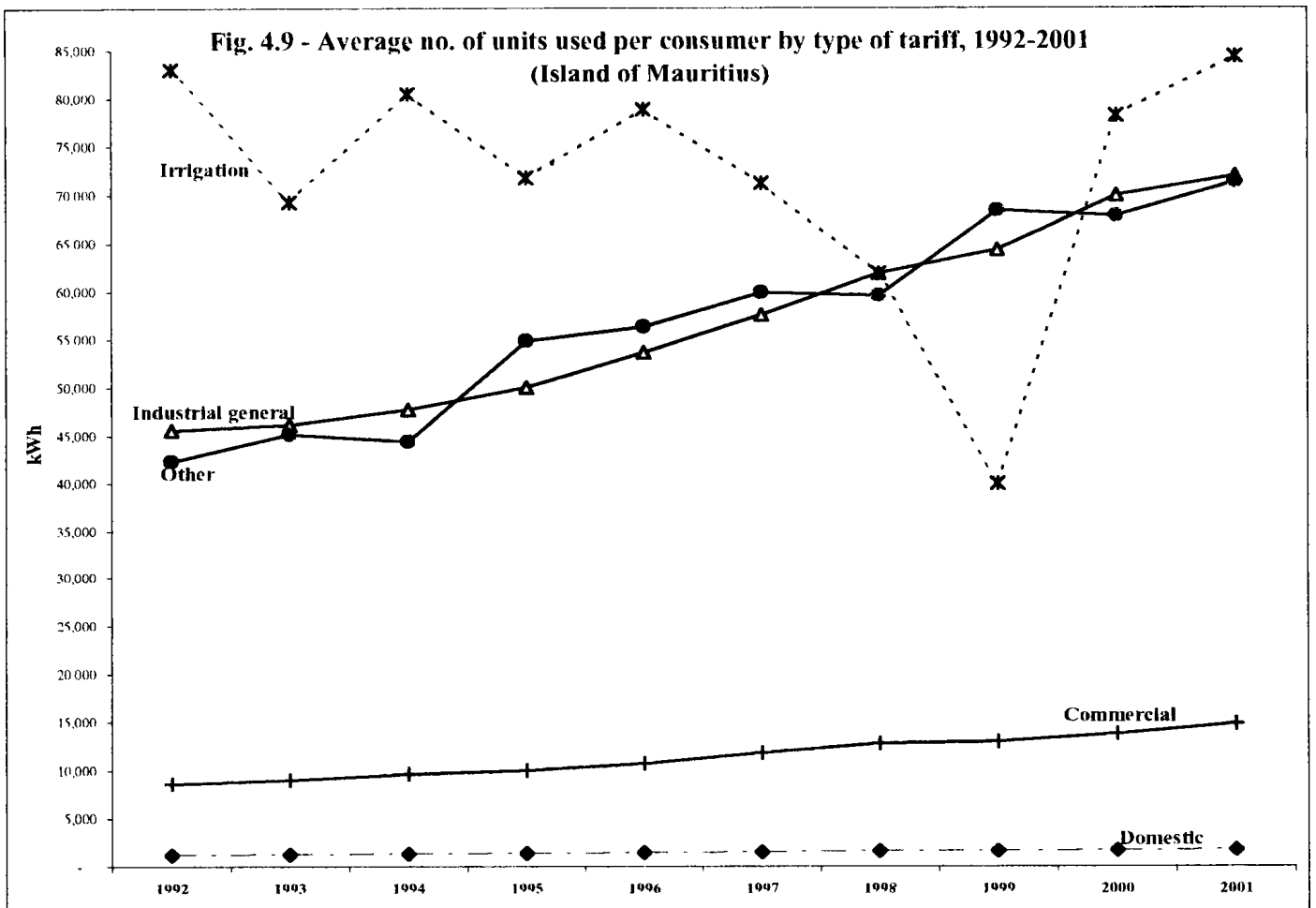
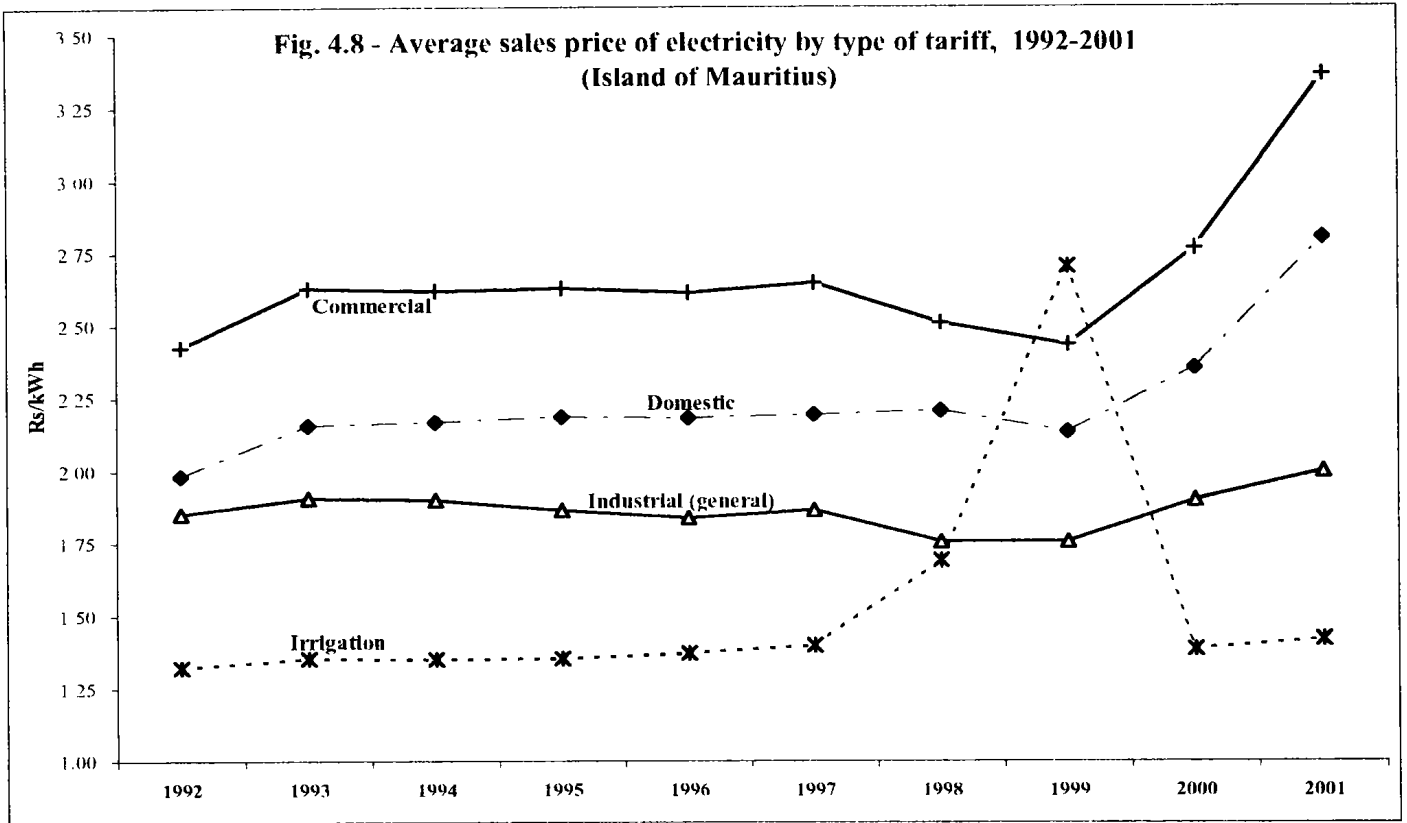
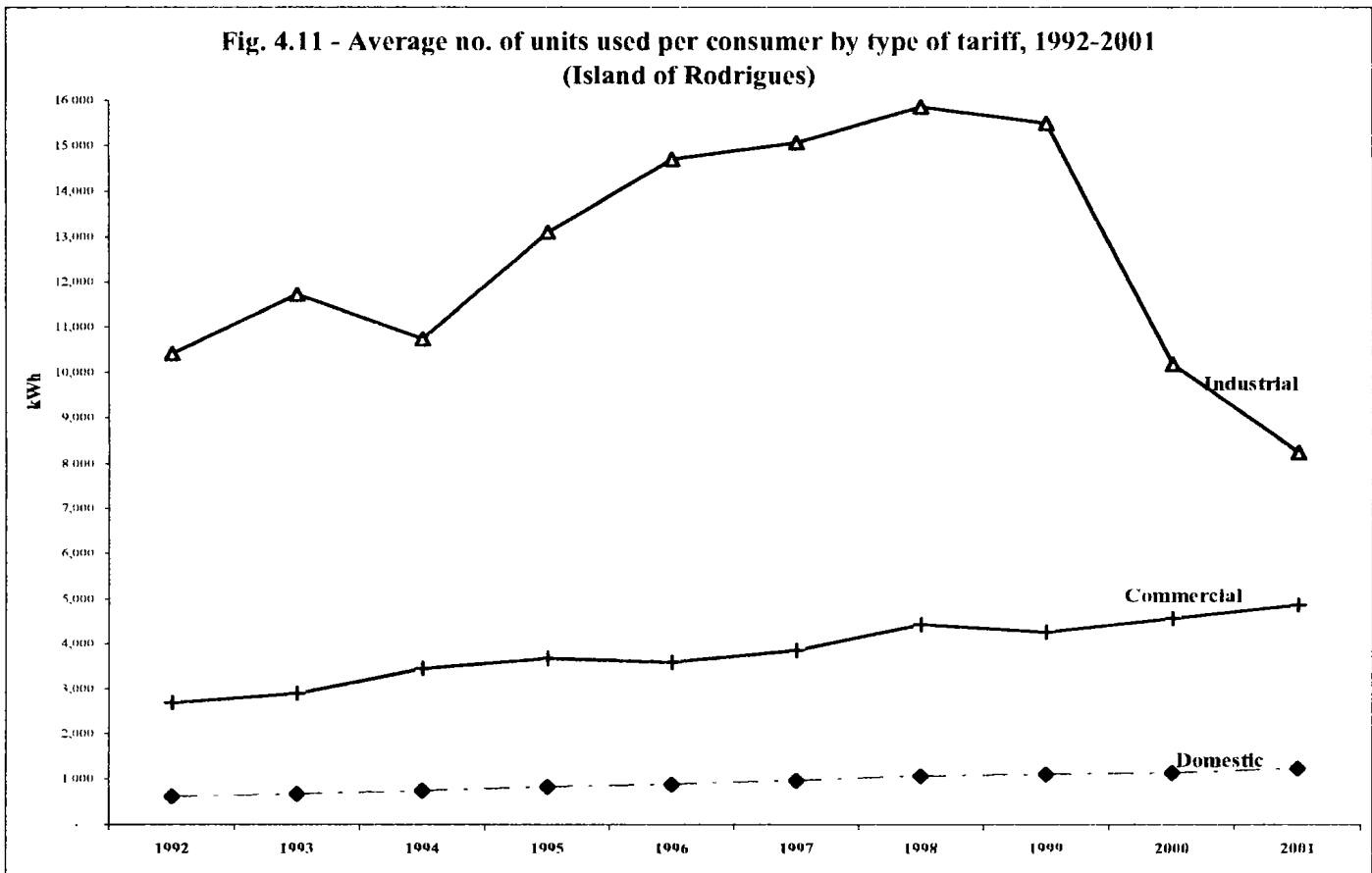
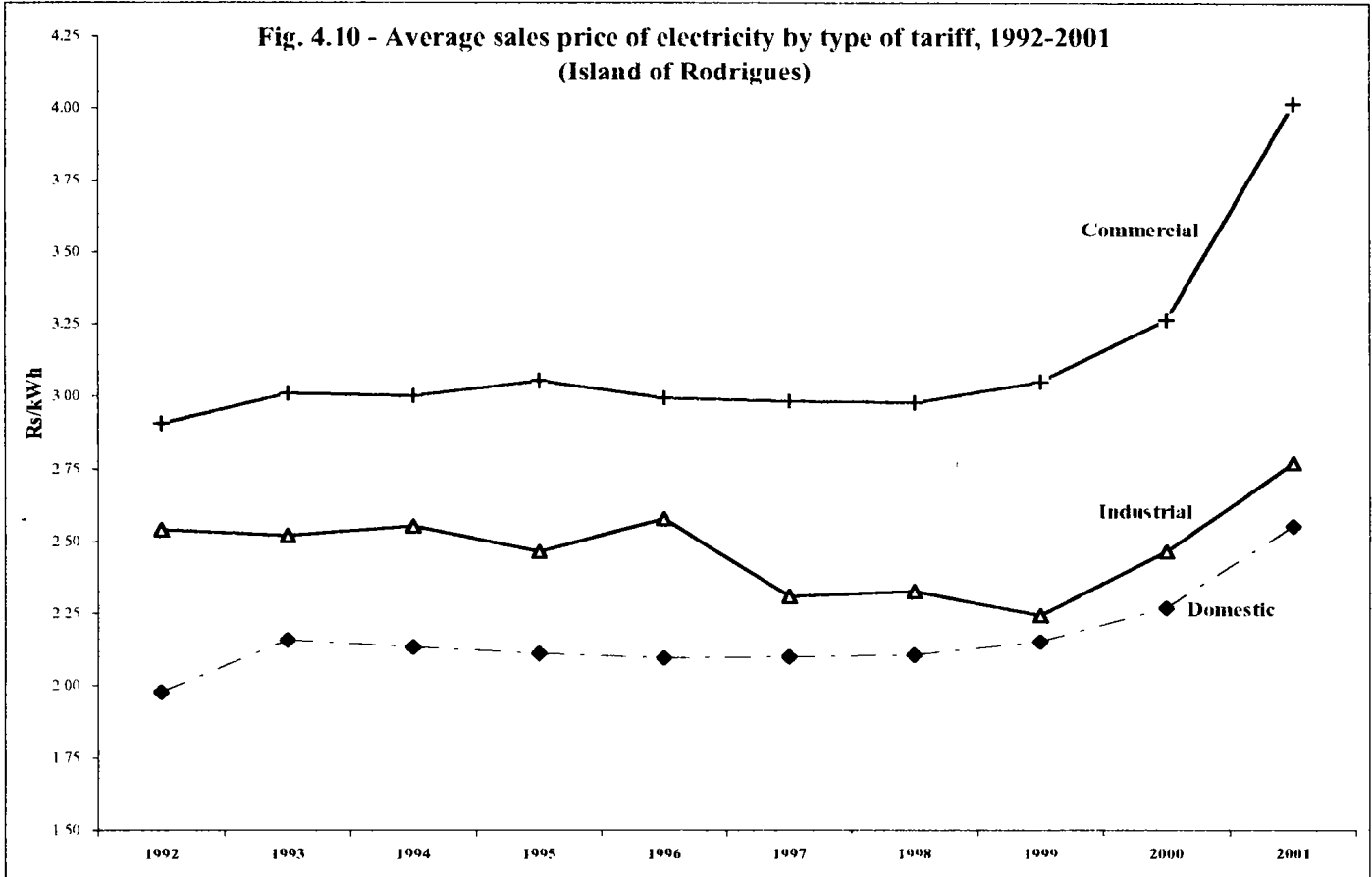


Table 4.9 - Sales of electricity by type of tariff, 1992 - 2001 (Island of Rodrigues)

Tariff group	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Number of consumers										
Domestic	6,419	6,636	6,898	7,077	7,388	7,686	8,010	8,371	8,634	8,727
Commercial	600	673	695	724	777	811	844	912	916	939
Industrial	77	83	98	98	108	105	103	109	129	143
Other	1	1	1	6	6	6	7	24	10	6
Total	7,097	7,393	7,692	7,905	8,279	8,608	8,964	9,416	9,689	9,815
GWh sold										
Domestic	4.0	4.5	5.2	5.9	6.6	7.5	8.5	9.3	9.8	10.8
Commercial	1.6	2.0	2.4	2.7	2.8	3.1	3.7	3.9	4.2	4.6
Industrial	0.8	1.0	1.1	1.3	1.6	1.6	1.6	1.7	1.3	1.2
Other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
Total	6.4	7.5	8.6	9.9	11.0	12.2	13.9	14.9	15.6	16.8
Value sold (Rs.mn)										
Domestic	7.9	9.8	11.1	12.5	13.8	15.7	18.0	20.0	22.3	27.7
Commercial	4.7	5.9	7.2	8.1	8.4	9.4	11.2	11.9	13.7	18.4
Industrial	2.0	2.5	2.7	3.2	4.1	3.7	3.8	3.8	3.2	3.3
Other	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.7	0.8
Total	14.7	18.1	21.0	23.8	26.3	28.8	33.0	35.7	39.9	50.2
Average sales price (Rs./kWh)										
Domestic	1.98	2.16	2.13	2.11	2.10	2.10	2.11	2.15	2.27	2.56
Commercial	2.91	3.01	3.00	3.06	3.00	2.99	2.98	3.05	3.27	4.02
Industrial	2.54	2.52	2.55	2.47	2.58	2.31	2.33	2.25	2.47	2.77
Other	3.21	3.53	3.24	3.29	3.23	3.26	3.19	3.17	2.90	3.50
Average	2.28	2.43	2.43	2.41	2.40	2.36	2.37	2.40	2.57	2.98
Average no. of units per consumer (kWh)										
Domestic	622	683	751	834	891	975	1,065	1,110	1,137	1,243
Commercial	2,696	2,906	3,458	3,683	3,599	3,869	4,434	4,266	4,576	4,873
Industrial	10,418	11,722	10,733	13,114	14,714	15,065	15,862	15,496	10,180	8,242
Other	4,560	5,037	8,289	1,639	2,172	2,383	2,409	603	22,715	39,793
Average	904	1,010	1,124	1,247	1,326	1,420	1,553	1,581	1,605	1,716

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 30 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 (1.5 %)	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
Agalega	-	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