

II. ENERGY PRODUCTION AND PROCESSING

2.1. Imported Petroleum Products

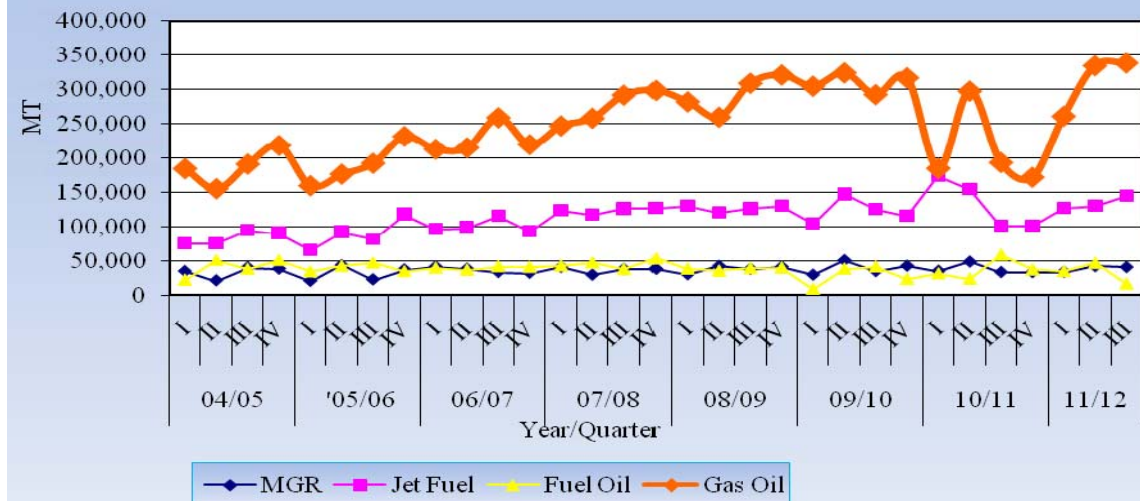
A total of 538,969.7 metric tons (MT) of petroleum products were imported into the country during the third quarter of 2011/12. The amount was 39.8 percent higher than last year same period but 2.4 percent lower than the preceding quarter. The yearly growth in the volume of

petroleum products import was attributed to surge in imports of gas oil, (which constituted 62.76 percent share of total petroleum import), Jet fuel and MGR. Imports of fuel oil, however, showed an annual decline (Table 2.1).

Table 2.1: Volume of Petroleum Products Imported (In Metric Tons)

	2010/11		2011/12				Percentage Change	
	Qtr III		Qtr II		Qtr III			
	A	Share In %	B	Share In %	C	Share In %	C/A	C/B
Regular Gasoline (MGR)	32,966.8	8.5	41,496.3	7.5	40,160.9	7.45	21.8	-3.2
Jet Fuel	101,025.1	26.2	129,614.7	23.5	144,199.0	26.75	42.7	11.3
Fuel Oil	58,800.1	15.2	46,905.1	8.5	16,360.2	3.04	-72.2	-65.1
Gas Oil (ADO)	192,791.9	50	334,320.7	60.5	338,249.5	62.76	75.4	1.2
Total	385,583.9	100	552,336.8	100.0	538,969.7	100	39.8	-2.4

Source: Ethiopian Petroleum Enterprises

Fig.II. 1 Trends in the volume of of Petroleum Products Imported

Source: Ethiopian Petroleum Enterprises

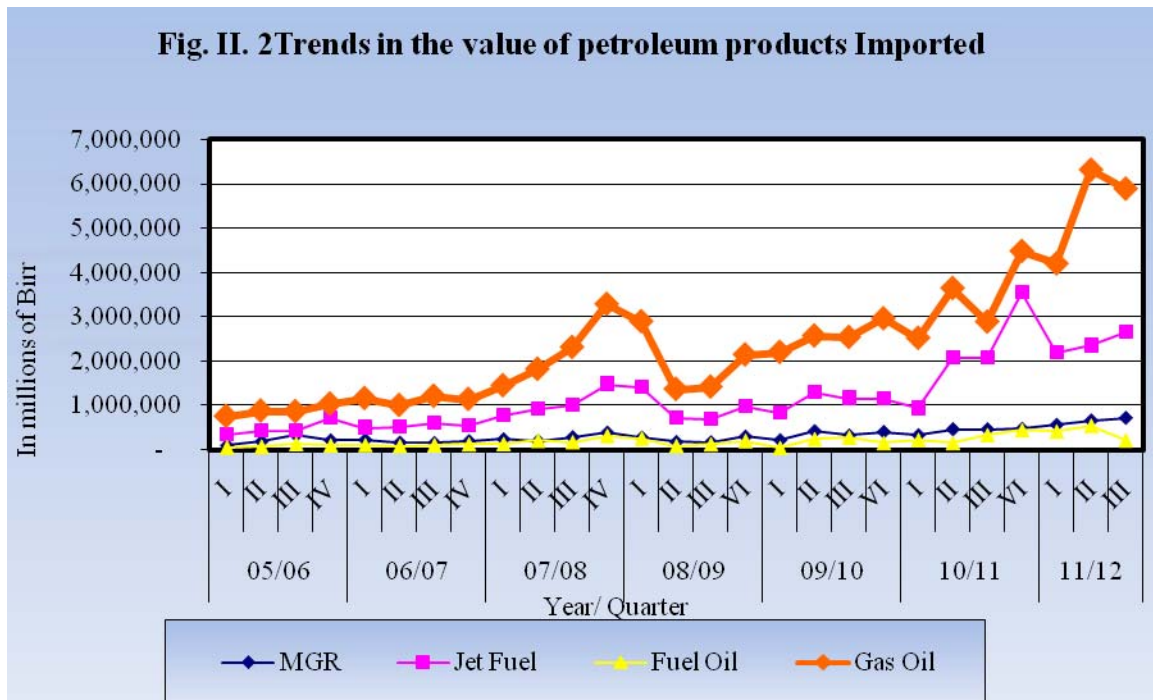
Meanwhile, the total value of petroleum products imported during the period under review reached Birr 9.5 billion, up

by 64.6 percent as compared to a year ago and declined by 3.9 percent in contrast to the preceding quarter. (Table2.2)

Table 2.2. Value of Petroleum Products Imported (In '000 Birr)

	2010/11		2011/12				Percentage Change	
	Qtr III		Qtr II		Qtr III		C/A	C/B
	A	Share In %	B	Share In %	C	Share In %		
Regular Gasoline (MGR)	468,167.9	8.1	665,812.1	6.7	724,016.6	7.6	54.6	8.7
Jet Fuel	2,078,046.8	36.1	2,354,685.1	23.9	2,663,382.2	28.1	28.2	13.1
Fuel Oil	335,461.2	5.8	542,193.0	5.5	219,613.7	2.3	-34.5	-59.5
Gas Oil (ADO)	2,881,675.9	50	6,308,620.3	63.9	5,880,673.1	62.0	104.1	-6.8
Total	5,763,351.7	100	9,871,310.5	100.0	9,487,685.6	100	64.6	-3.9

Source: Ethiopian Petroleum Enterprises



Source: Ethiopian Petroleum Enterprises

The annual increase in the value of petroleum imports was on account of fuel rise in volume imports of products, except in FOB prices of all petroleum products coupled.

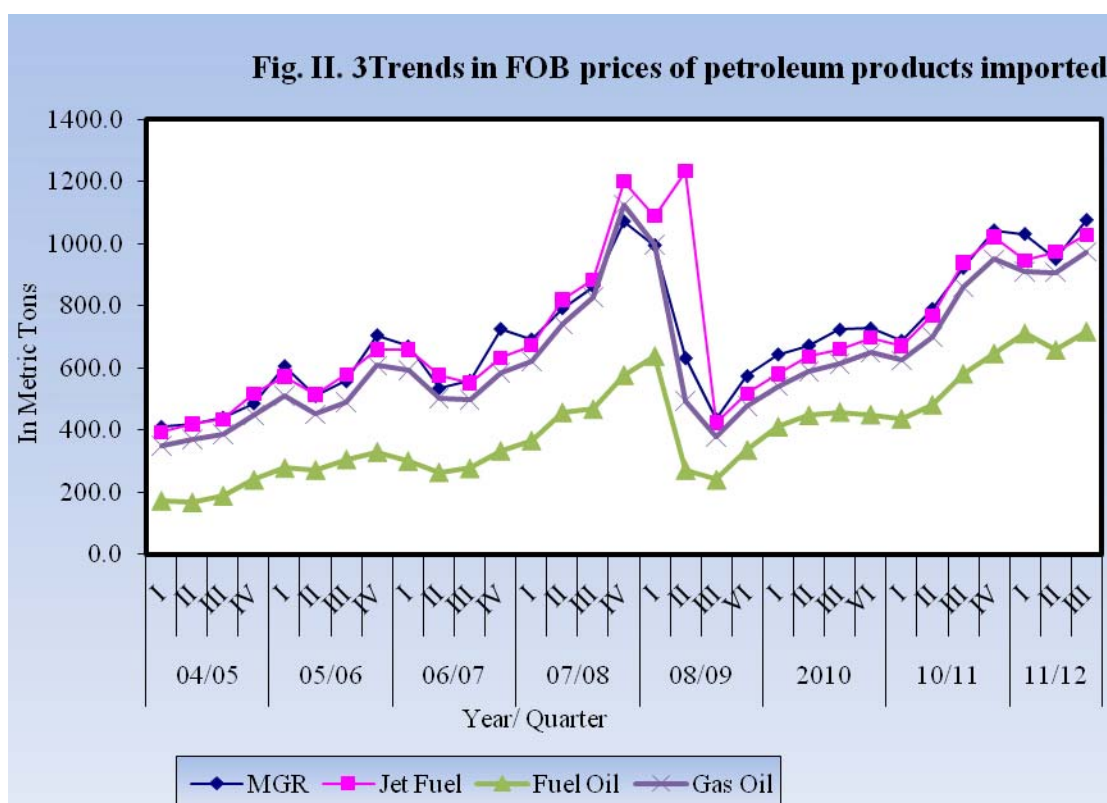
On average, the FOB prices of petroleum products went up to USD 949.3/MT showing 14.9 percent increase on annual and 8.8 percent. This was owing to the rise in the prices of all petroleum products. (Table 2.3)

Table 2.3: FOB Price of Petroleum Products Imported

(USD/MT)

Petroleum Products	2010/11	2011/12		Percentage Change	
	Qtr III	Qtr II	Qtr III	C/A	C/B
	A	B	C		
Regular Gasoline (MGR)	923.2	951.7	1077.4	16.7	13.2
Jet Fuel	938.6	972.5	1027.9	9.5	5.7
Fuel Oil	582.3	658.6	717.9	23.3	9.0
Gas Oil (ADO)	862.0	908.2	974.0	13.0	7.2
Average	826.5	872.8	949.3	14.9	8.8

Source: Ethiopian Petroleum Enterprise



Source: Ethiopian Petroleum Enterprise

Similarly, the price of crude oil in the international market continued to increase and reached USD 102.98 per barrel in the period under review.

rose by 19.2 percent to Birr 17.8/Liter in contrast to a year ago. The average retail price was also 2.8 percent higher than a quarter earlier (Table 2.4).

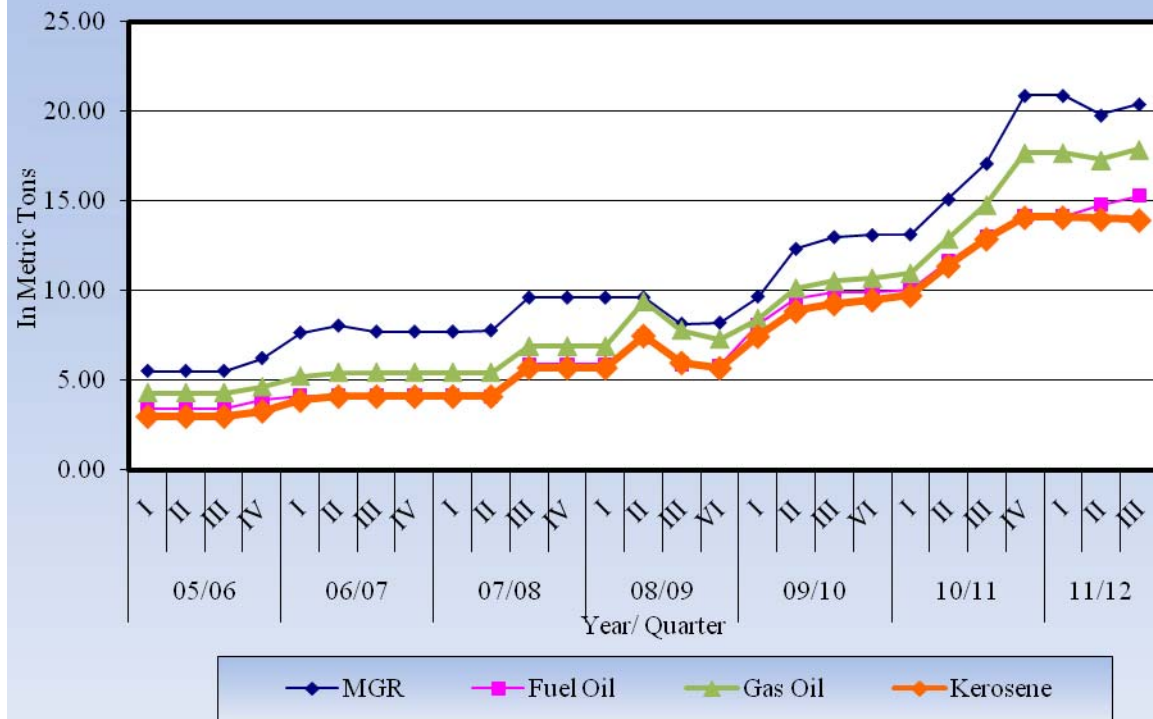
Domestic fuel prices were adjusted by the government accordingly and, as a result, the average retail prices of fuel in Addis Ababa

Table 2.4: Addis Ababa Average Retail Prices of Fuel

(Birr/Liter)

Petroleum Products	2010/11	2011/12		Percentage Change	
	Qtr III	Qtr II	Qtr III	C/A	C/B
	A	B	C		
Regular Gasoline (MGR)	17.1	19.8	20.4	19.2	3.1
Fuel Oil	13.0	14.8	15.3	17.6	2.9
Gas Oil (ADO)	14.8	17.3	17.9	21.3	3.6
Kerosene	12.9	14.0	14.0	7.9	0.0
Jet	16.7	20.5	21.3	27.5	3.7
Average	14.9	17.3	17.8	19.2	2.8

Source: Ethiopian Petroleum Enterprise

Fig. II. 4 Trends in Addis Ababa Retail Fuel Price

Source Ethiopian Petroleum Enterprises

2.2. Electric Power Generation

Total electricity generated during the third quarter has increased to 1.58 billion KWH from 1.54 billion KWH in the preceding quarter and 1.3 billion KWH a year ago (Table 2.5).

This was mainly attributed to increased hydropower promotion, which constituted 99.0 percent of the total power supply in the period. Electricity generated from wind, which was nonexistent during previous periods, was 11 million KWH.

Wind energy accounted for 0.7 percent of the total electricity during the period. On the other hand, electricity generated from thermal and geothermal sources slowed down to 1.3 billion KWH and 3.1 billion KWH relative to a year ago.

In terms of system generation, about 99.9 percent of the electricity generated during the third quarter of 2011/12 was from the interconnected system (ICS) while the

remaining 0.1 percent was ascribed to self contained system (SCS) (Table 2.6).

Following the rise in demand associated with country's economic growth, supply of electricity is expected to increase.

Consequently, the country's electricity generation capacity under the five year Growth and Transformation Plan (GTP) is projected to reach 8,000 MW by 2015 from 2000 MW in 2010. This is due to the construction of new power stations including Great Renaissance Dam Project and wind energy. Accordingly, electric power access coverage is expected to reach 75% of the population by end 2015 from 41 percent in 2010.

Table 2.5: Electricity Generation

Power Source	2010/11		2011/12				Percentage Change	
	Qtr III	Share In %	Qtr II	Share In %	Qtr III	Share In %	C/A	C/B
	A		B		C			
Hydropower	1,255,487.2	99.3	1,544,635.5	99.9	1,559,453.84	99.0	24.21	0.96
Thermal Power	2917.8	0.2	1,600.8	0.1	1,343.1	0.09	-53.97	-16.1
Geothermal	5,335.1	0.4	192.7	0.01	3,119.7	0.2	-41.5	1,519.01
Wind	-	-	-	-	11,162	0.7	100.0	100
Total	1,263,740	100	1,546,429.0	100	1,575,079	100	24.6	1.9

('000 of K.W.H)

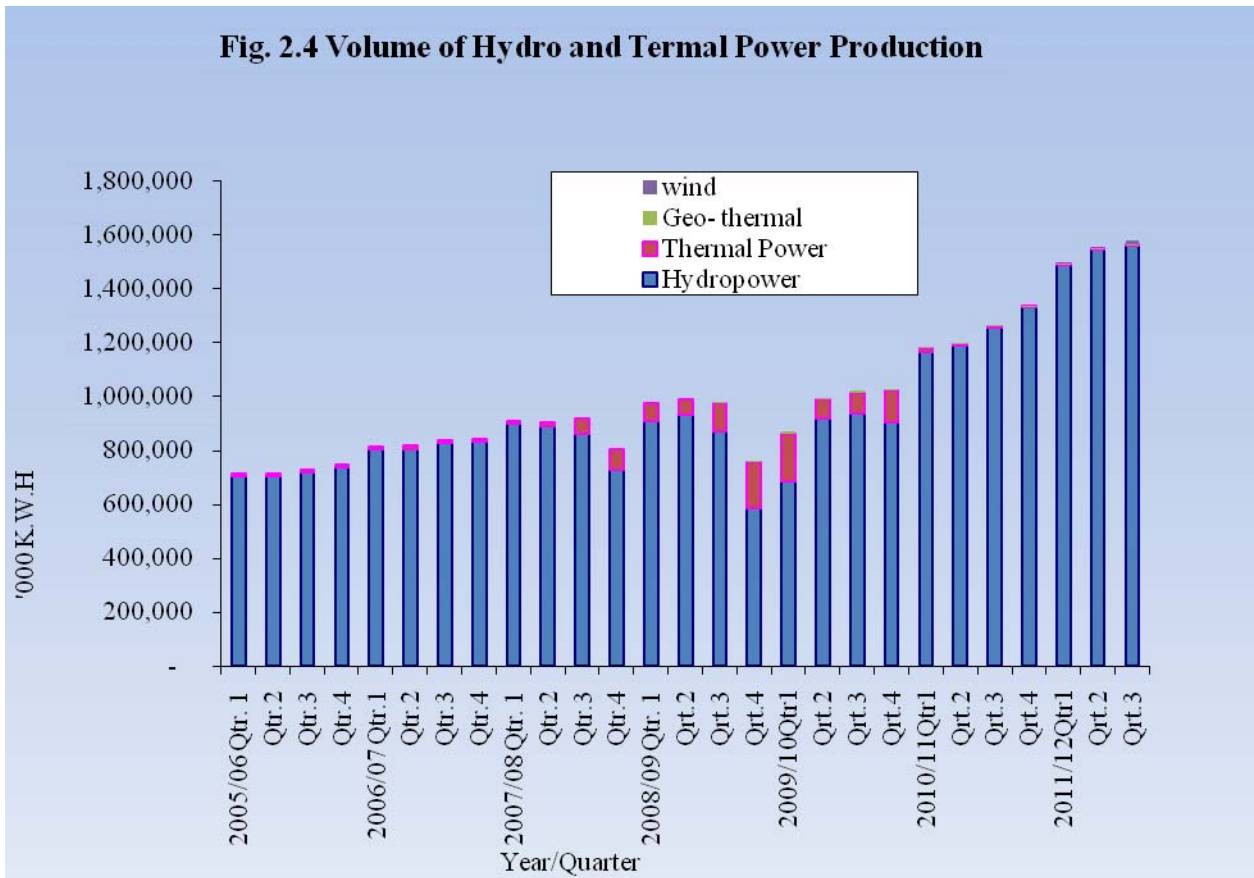
Source: Ethiopian Electric Power Corporation (EEPCO)

Table 2.6: Generation of Electricity Power in the Interconnected System (ICS) and Self Contained System (SCS)

('000 of K.W.H)

System of Power Supply	2010/11		2011/12				Percentage Change	
	Qtr III		Qtr II		Qtr III		C/A	C/B
	A	Share In %	B	Share In %	C	Share In %		
ICS								
Hydro Power	1,255,210.9	99.3	1,544,255.7	99.9	1,559,174.2	98.9	24.2	0.9
Thermal Power	205.0	0.0	0	0	0	0	-100	0
Geothermal	5,335.1	0.4	192.7	0.01	3,119.68	0.1	-41.5	1,519.01
wind	-	-	-	-	11,162	0.7	100	100
Sub-Total	1,260,751.0	99.8	1,544,448.4	99.9	1,573,455.9	99.9	24.8	1.9
SCS								
Hydro Power	276.3	0.0	379.7	0.02	279.7	0.02	1.2	-26.3
Thermal Power	2,712.8	0.2	1,600.8	0.1	1,343.1	0.09	-50.5	-16.09
Geothermal								
Sub-Total	2,989.0	0.2	1,980.6	0.1	1,622.8	0.1	-45.7	-18.06
Grand Total	1,263,740	100	1,546,429	100	157,5079	100	24.6	1.85

Source: Ethiopian Electric Power Corporation (EEPCO)



Source: Ethiopian Electric Power Corporation (EEPCo)