

INDIAN PETROLEUM & NATURAL GAS STATISTICS

2009-10

GOVERNMENT OF INDIA
MINISTRY OF PETROLEUM & NATURAL GAS
ECONOMIC DIVISION
NEW DELHI

Government of India
Ministry of Petroleum & Natural Gas

Foreword

The Ministry of Petroleum & Natural Gas has been publishing its Annual Bulletin "*Indian Petroleum & Natural Gas Statistics*" since 1967 containing comprehensive information on the Oil & Gas Sector. The Bulletin provides information in terms of both calendar year and financial year, to address the demands of the diverse users. It also includes a brief write-up on production performance of Petroleum & Natural Gas Sector—Some Key Macro-Economic Trends during 2009-10. The Bulletin denotes the sustained efforts of the Economic Division of the Ministry.

We welcome suggestions to improve the Bulletin.

Sd/-
(G.C. Chaturvedi)
Secretary to the Government of India.

Shastri Bhawan
New Delhi-110001
May, 2011

Government of India
Ministry of Petroleum & Natural Gas
Economic Division

Preface

The Economic Division of the Ministry of Petroleum & Natural Gas has conscientiously endeavoured to bring out its Annual Bulletin "*Indian Petroleum & Natural Gas Statistics*" from 1967. This has been made possible with inputs furnished by various Ministries and Departments of the Government of India, Petroleum Planning & Analysis Cell as well as the oil companies.

We express our deep sense of gratitude to all the data providers to the Ministry and record our appreciation for the efforts put in by the officials of the Economic Division *viz.*, Shri Sukhvir Singh, Director, Shri D.P. Singh, the then Research Officer, Shri Ramswaroop Singh, Research Officer, Shri S.S. Chahal, Senior Investigator, Shri Shyam Lal, Jr. Investigator and Shri Ashutosh Sharma, Consultant. We also appreciate secretariat support from Shri K.S. Karki, P.A. to EA, Shri Anil Kumar Semwal, PA to Director and Shri Jeet Ram, Group C.

Suggestions for improvement would be appreciated.

Sd/-
(Dr. Archana S. Mathur)
Economic Adviser.

Paryavaran Bhawan
New Delhi-110003
May, 2011

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GENERAL

GENERAL

I.2 Performance of Petroleum & Natural Gas Sector—Some Key Macro-Economic Trends

Introduction

Efficient and reliable energey supplies are essential for accelerating the growth of the Indian economy. While the energy needs of the country are increasing at a rapid rate, the energy resources that are indigenously available are limited. The oil and gas share in the energy consumption has reached a level of about 40%. The Ministry of Petroleum and Natural Gas is mandated to take measures for exploration and exploitation of petroleum resources, including natural gas and coal bed methane, and also distribution, marketing and pricing of petroleum products.

There has been efforts to increase exploration and production of crude oil and natural gas with the New Exploration Licensing Policy (NELP) and schemes for improved oil recoveries. The crude oil production was 33.691 MMT in 2009-10 *i.e.* an increase of 0.55% over 33.508 MMT in the year 2008-09. However, natural gas production has shown an increase of 44.6% as it increased from 32.845 BCM in 2008-09 to 47.496 BCM in 2009-10.

In order to facilitate oil & gas security, there has been considerable increase in refining capacity over the years. Refinery production (crude throughput) during 2009-10 was 192.768 MMT (including production in RIL SEZ REFINERY), *i.e.* an increase of 20% over production of 160.772 MMT in 2008-09.

2. Crude Oil and Natural Gas Production

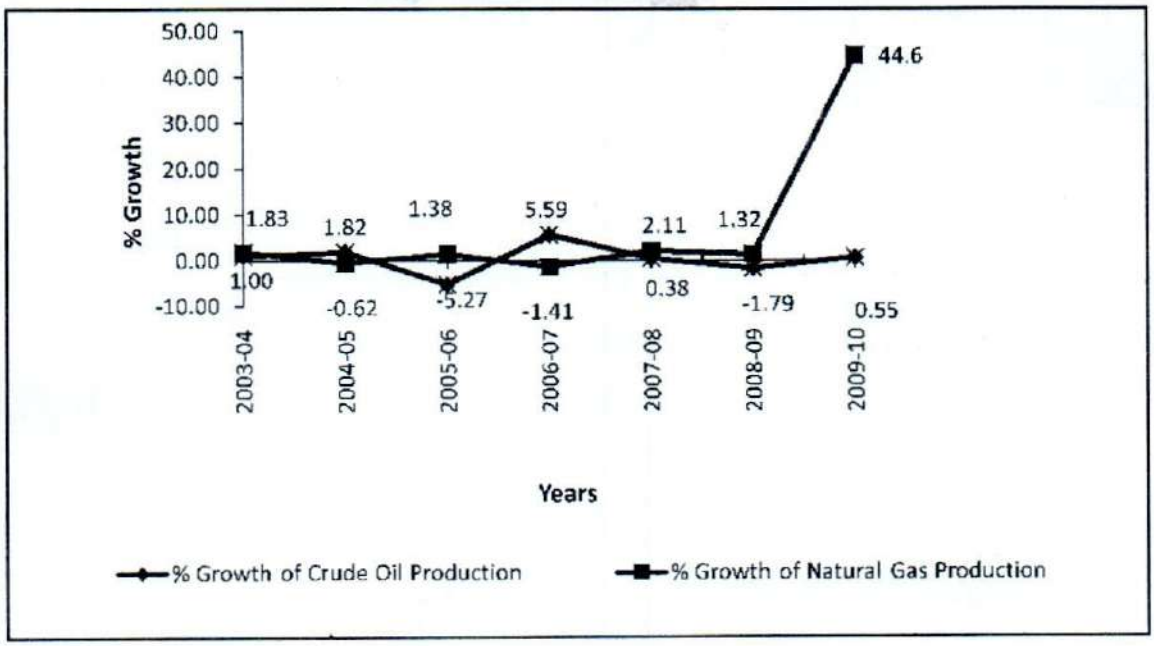
The trend in production of crude oil and natural gas during the period 2002-03 to 2009-10 is in Table-1 and Graph-1. The crude oil production has remained in the range 33 to 34 MMT during this period with year to year variations. Natural gas production has increased from 31.389 BCM in 2002-03 to 47.496 BCM in 2009-10. It may be noted that there was an increase by 0.55% over the year 2008-09 in production of crude oil in 2009-10. There were various reasons like environmental and law and order issue in Assam, power disturbances in Gujarat, delay in production from well in Andhra Pradesh, and less inputs in a number of development/side track wells in Mumbai that constrained growth in crude oil production same of which were overcome and higher production is expected during the next year.

The Government of India launched the eighth bid round of New Exploration Licensing Policy (NELP-VIII) and fourth round of Coal Bed Methane Policy (CBM-IV) during 2009-10 to enhance the Country's energy security. In addition Overseas oil and gas production in coming years is likely to be about 7 MMT and 2 BCM per annum respectively.

Table-1: Crude Oil and Natural Gas Production

Year	Crude Oil Production (MMT)	% Growth	Natural Gas Production (BCM)	% Growth
2002-03	33.044	—	31.389	—
2003-04	33.373	1.00	31.962	1.83
2004-05	33.981	1.82	31.763	–0.62
2005-06	32.190	–5.27	32.202	1.38
2006-07	33.988	5.59	31.747	–1.41
2007-08	34.118	0.38	32.417	2.11
2008-09	33.508	–1.79	32.845	1.32
2009-10	33.691	0.55	47.496	44.6

Graph-1: Percentage Growth in Crude Oil & Natural Gas Production



3. Refining Capacity & Production

In order to facilitate oil and gas security, there has been considerable increase in refining capacity over the years as may be seen in Table-2. There was an increase in domestic refining capacity by over 19% to reach 177.968 Metric Million Tonne Per Annum (MMTPA) in 2009-10 as compared to 148.968 MMTPA in 2008-09. The refining capacity was 114.670 MMTPA during 2002-03. By the end of XI Plan, refinery capacity is expected to reach 238.96 MMTPA.

The Refinery production (crude throughput) achievement was 192.768 MMT (Includes RIL SEZ Refinery Production) during 2009-10 which marks net increase of 71.24% over that produced during 2002-03 (112.559 MMT) and increased of 19.90% over 2008-09 (160.772 MMT) as depicted in **Table-2.**

Table-2: Refining Capacity & Production

Year	Refining Capacity @ (MMTPA)	% Growth	Refinery Production (Crude Throughput) (MMTA)	% Growth
2002-03	114.670		112.559	
2003-04	116.968	2.00	121.840	8.25
2004-05	127.368	8.89	127.416	4.58
2005-06	127.368	0.00	130.109	2.11
2006-07	132.468	4.00	146.551	12.64
2007-08	148.968	12.46	156.103	6.52
2008-09	148.968	0.00	160.772	2.99
2009-10	177.968	19.47	192.768	19.90

@=As on 1st April of the year.

4. Production and Consumption of Petroleum Products

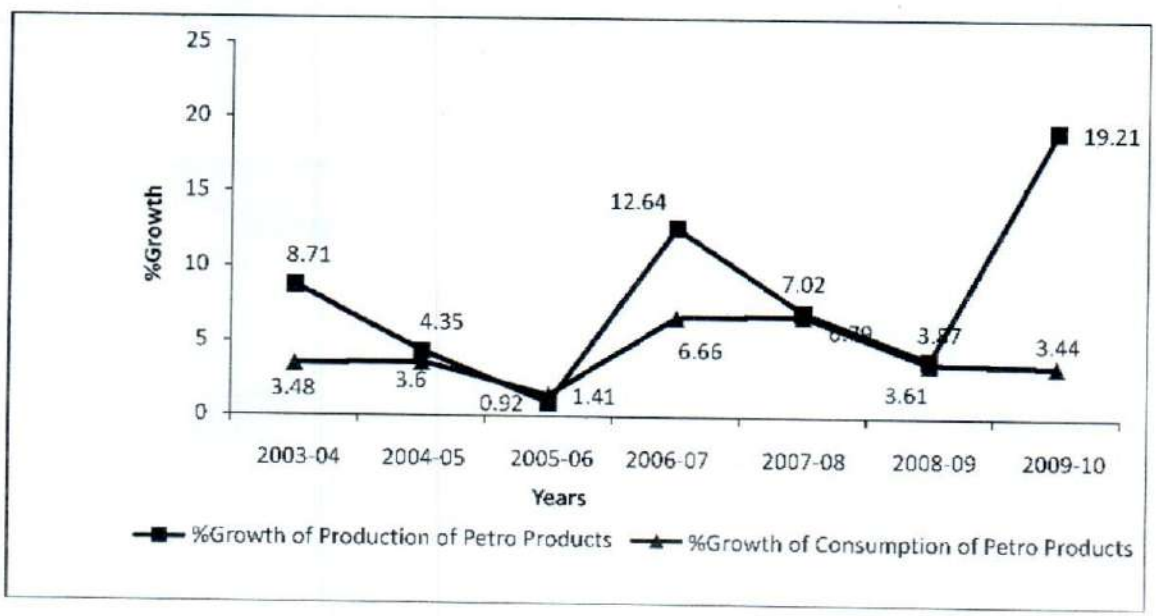
There was an increase by 19.21% in production of petroleum products, including fractioners, during 2009-10 compared to the year 2008-09 and the same. The indigenous consumption of petroleum products increased by 3.44% during 2009-10 compared to the previous year. During the year 2009-10, net consumption of petroleum products was 138.196 MMT against total production of 182.011 MMT. It may be mentioned that the consumption data does not included data in respect of RIL SEZ Refinery as it is presumed that all products have been exported and not consumed domestically. Year-wise production and consumption of petroleum products during 2002-03 to 2009-10 are depicted in **Table-3** and **Graph-2** below. It is evident from Table-3 that production and consumption (both) of petroleum products are substantially higher than 2002-03.

Table-3: Production and Consumption (indigenous sales) of Petroleum Products

Year	Production of Petro-Products* (MMT)	% Growth	Consumption of Petro-Products** (MMT)	% Growth
2002-03	106.510		104.126	
2003-04	115.783	8.71	107.751	3.48
2004-05	120.819	4.35	111.634	3.60
2005-06	121.935	0.92	113.213	1.41
2006-07	137.353	12.64	120.749	6.66
2007-08	146.990	7.02	128.946	6.79
2008-09	152.678	3.87	133.599	3.61
2009-10	182.011	19.21	138.196	3.44

Notes: *= Includes LPG production from Natural Gas.
**= Excludes refinery fuels and includes imports also.

Graph-2: Percentage Growth in Production & Consumption of Petroleum Products



5. Imports and prices of Crude Oil

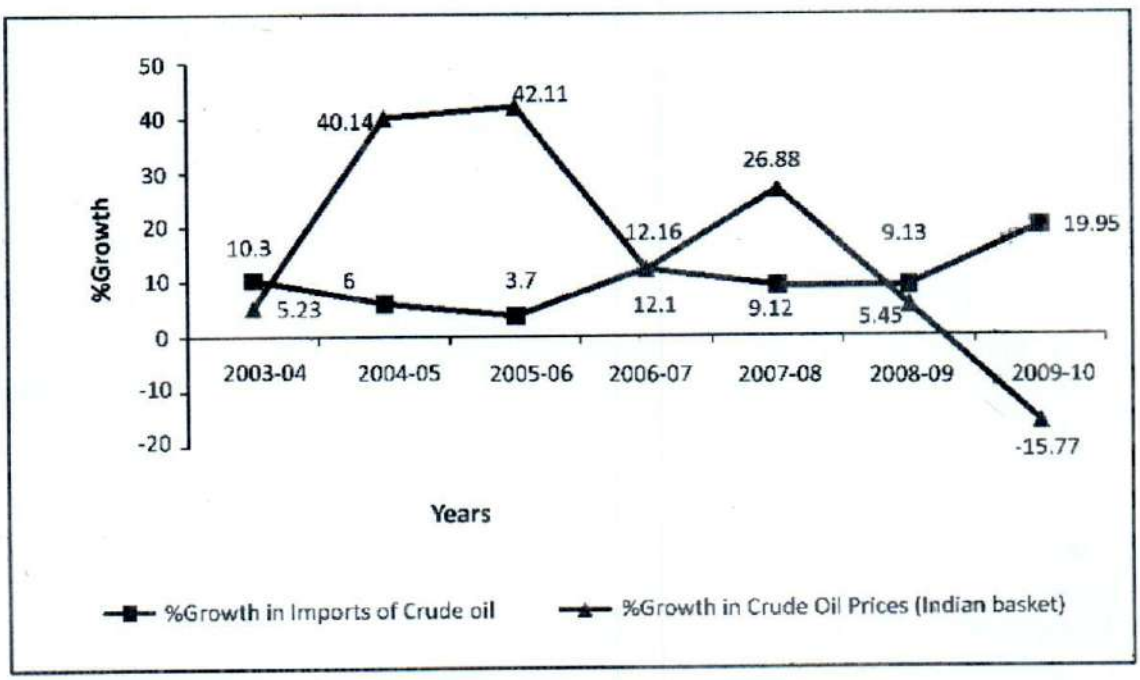
Imports of Crude Oil during 2009-10, in terms of quantity was 159.259 MMT valued at Rs. 3,75,378 crore, this marked an increase by 19.95% in quantity terms w.r.t. 132.775 MMT during the year 2008-09, but increased by 7.82% (w.r.t. Rs. 3,48,149 crore) in value terms over the year of 2008-09. In terms of US$, the extent of increase in value of Crude imports was 3.37%. During the year 2002-03 the imports of crude oil was 81.989 MMT that increased to 159.259 MMT in 2009-10 i.e. an increase of 94.24%.

The average price of International crude oil (Indian Basket) has increased from US$ 26.59/bbl. in 2002-03 to US$ 69.76/bbl. in 2009-10 i.e. an increase of about 162%. The trend in growth of crude oil imports and crude oil International (Indian Basket) prices are depicted in **Table-4** and **Graph-3:**

Table-4: Import of crude oil and average Crude Oil Prices

Year	Imports of Crude Oil (MMT)	% Growth	Average Crude oil Prices (US$/bbl.)	% Growth
2002-03	81.989		26.59	
2003-04	90.434	10.30	27.98	05.23
2004-05	95.861	06.00	39.21	40.14
2005-06	99.409	03.70	55.72	42.11
2006-07	111.502	12.16	62.46	12.10
2007-08	121.672	09.12	79.25	26.88
2008-09	132.775	09.13	83.57	05.45
2009-10	159.259	19.95	69.75	–15.77

Graph-3: Percentage Growth in Imports of Crude Oil, & average International Crude Oil Prices



6. Imports & Exports of Petrolem Products

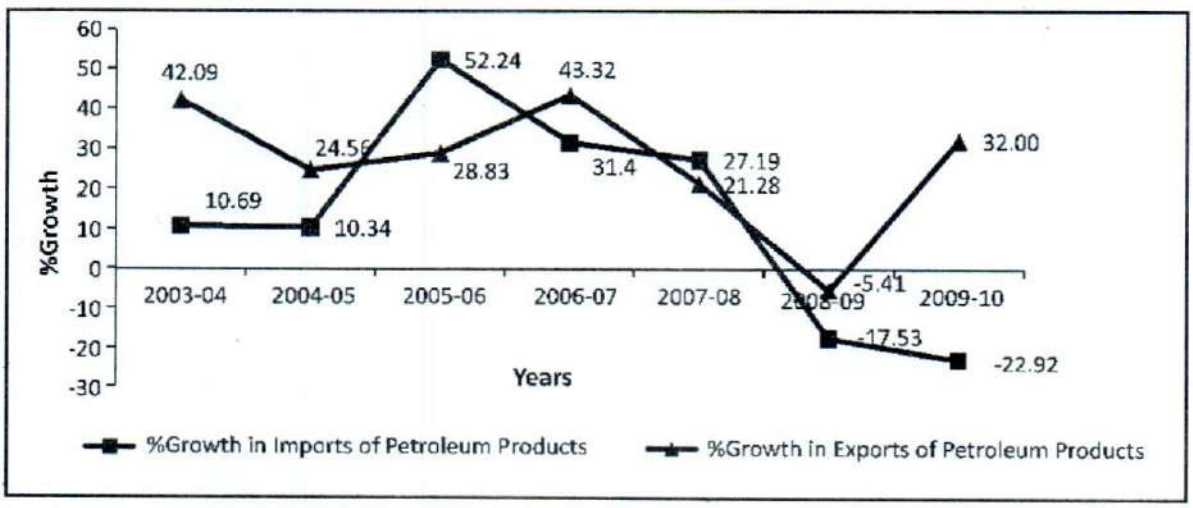
It may be seen that despite considerable variations in International prices of crude oil, imports have followed a steady growth primarily to meet domestic demand of a burgeoning economy, apart from re-exports of petroleum products.

With substantial increases in refining capacity in India, as seen earlier, exports of petroleum products have picked since 2001-02 but declined in 2008-09 & 2009-10 due to slow down in global economy. Exports of petroleum products during 2009-10, in terms of quantity was 50.974 MMT valued at Rs. 1,44,037 crore, which marked an increase by 31.03% (w.r.t. 38.902 MMT) during the year 2008-09, although in value terms but increased by 18.00% (w.r.t. Rs 1,44,037 crore) in Indian rupees, in terms of US$, the extent of increase of exports in value was 12.13%. It may be noted that the exports of petroleum products was 10.289 MMT in 2002-03, and steeply increased by 395.42% upto 2009-10. Imports of petroleum products are relatively lower and primarily to bridge domestic supplies of specific commodities over the year. **(Table-5 & Graph-4).**

Table-5: Imports & Exports of Petroleum Products

Year	Imports of Petroleum Products (MMT)	%Growth	Exports of Petroleum Products (MMT)	%Growth
2002-03	07.228		10.289	
2003-04	08.001	10.69	14.620	42.09
2004-05	08.828	10.34	18.211	24.56
2005-06	13.440	52.24	23.461	28.83
2006-07	17.660	31.40	33.624	43.32
2007-08	22.462	27.19	40.779	21.28
2008-09	18.524	-17.53	38.902	-05.41
2009-10	14.278	-22.92	50.974	32.00

Graph-4: Percentage Growth in Imports & Exports of Petroleum Products



7. Petroleum Subsidy on SKO (PDS) and LPG (Domestic)

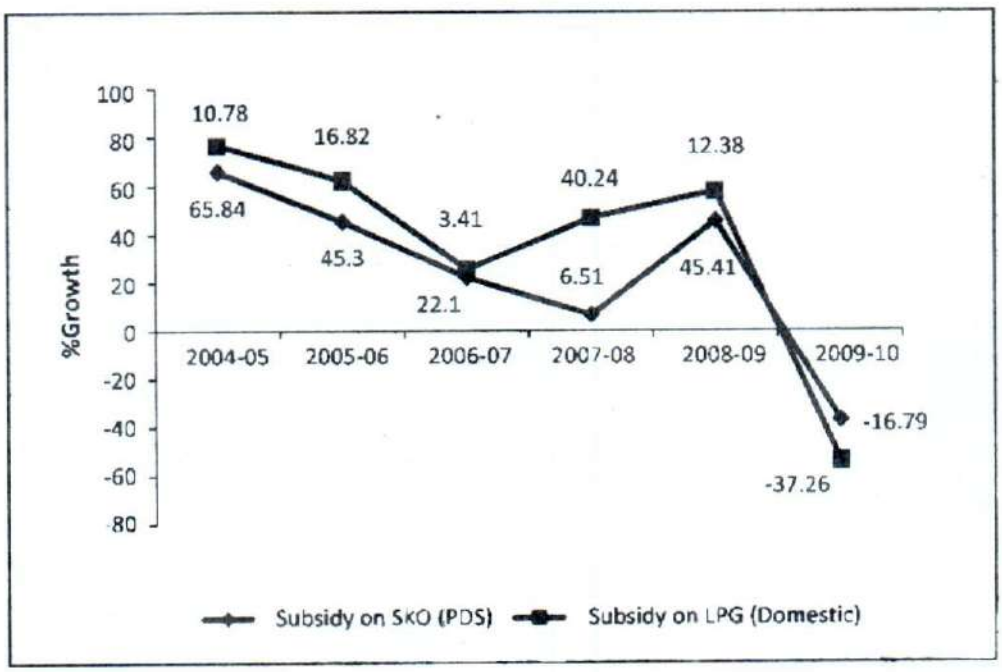
The total subsidy during 2008-09 provided by Government of India & Oil companies on SKO and LPG were Rs. 18320 & Rs. 16071 crore respectively and these marked decrease by -37.26% & -16.79% over the 2008-09 subsidies of Rs. 29199 & Rs. 19314 crore respectively. The Total Budget Subsidy on SKO(PDS) & LPG (Domestic) decreased by -29% over the year 2008-09 with relatively lower global prices in 2009-10. The trend in subsidies for both SKO & LPG since 2003-04 are depicted in Table-6 and Graph-5.

Table-6: Subsidies on SKO (PDS) & LPG (Doemstic)

(Rs. Crore)

Years	Subsidy on SKO (PDS)			%	Subsidy on LPG (Domestic)			%
	Fiscal	Oil Companies	Total	Growth	Fiscal	Oil Companies	Total	Growth
1	2	3	4	5	6	7	8	9
2003-04	2657	3751	6408		3635	5523	9158	
2004-05	1147	9480	10627	65.84	1783	8362	10145	10.78
2005-06	1057	14384	15441	45.30	1605	10246	11851	16.82
2006-07	970	17883	18853	22.10	1554	10701	12255	3.41
2007-08	978	19102	20080	6.51	1663	15523	17186	40.24
2008-09	974	28225	29199	45.41	1714	17600	19314	12.38
2009-10	956	17364	18320	-37.26	1814	14257	16071	-16.79

Graph-5: Percentage growth in Subsidy on SKO (PDS) and LPG (Domestic)



8. Foreign Direct Investment Inflows

There is a continued need for foreign Investment and technical know-how particularly in the field of exploration and production of petroleum. Hence, this sector is fully open to foreign direct investment with 100 percent equity through automatic route, subject to sectoral regulation that are equally applicable to domestic and foreign players. There are some sectoral restrictions on refining by public sector companies (to the extent of 49%) and marketing services due to a vast existing network in the economy. Marketing of petroleum products is given complete market access, subject to minimum investment of Rs. 2000 crore. Year-wise FDI inflows under Petroleum & Gas sector is given in Table-7. It may be observed that FDI in petroleum and natural gas has varied considerably over the years that could at least partly due to the bulkiness of investment in the sector. The highest FDI was received in 2007-08 at Rs. 5729 crore, contributing almost 6% of total FDI in the economy. The sector received Rs. 13280 crore during 2009-10.

Table: 7 Foreign Direct Investment Inflows

Years	Foreign Direct Investment				Annual Growth (%)			
	All Sector		P&NG Sector		All Sector		P&NG Sector	
	Million		Million		Million		Million	
	Rs.	US$	Rs.	US$	Rs.	US$	Rs.	US$
1	2	3	4	5	6	7	8	9
2005-06	246130	5546	636	14	67.97	72.29	-87.73	-87.61
2006-07	706300	15726	4015	89	186.96	183.56	531.29	535.71
2007-08	986640	24579	57291	1427	39.69	56.30	1326.92	1503.37
2008-09	1229190	27329	19310	412	24.58	11.19	-66.29	-71.13
2009-10	1233780	25888	13280	272	0.37	-5.27	-31.23	-33.98

I.3 Indian economy-Selected Indicators

	Indicator	Unit/base	2005-06	2006-07	2007-08	2008-09	2009-10*
	1	2	3	4	5	6	7
1.	Geographical Area	M.Sq.Km.	3.29	3.29	3.29	3.29	3.29
2.	Population	Million	1106	1122	1138	1154	1170
3.	Gross National Product at factor cost						
	(i) At current prices	Rs. Billion	33635	39190	45609	52491 Q	60952
	(ii) At constant prices+	"	32292	35364	38817	41371 Q	44648
4.	Net National Product at factor cost:						
	(i) At current prices	Rs. Billion	29997	35003	40763	46858 Q	54395
	(ii) At constant prices+	"	28784	31509	34542	36698 Q	39465
5.	Per Capita Net National Product:						
	(i) At current prices	Rupees	27123	311198	35820	40605 Q	48492
	(ii) At constant prices+	"	26025	28083	30354	31801 Q	33731
6.	Foreign Exchange Reserves:						
	(i) Gold	Rs. Billion	256.74	295.73	401.24	487.93	811.88
	(ii) SDR	Mn. of SDRs.	3.0	2.0	18.0	1.0	5006
	(iii) Foreign Currency Asset:	Rs. Billion	6473.27	8365.97	11960.23	12300.66	11496.50
	Foreign Exchange Rate!	Rs. US$	44.27	42.25	40.26	45.99	47.42
7.	Foreign Trade:						
	(i) Import	Rs. Billion	6604.09	8405.06	10123.12	13744.36	13637.36
	(ii) Export	"	4564.18	5717.79	6558.64	8407.55	8455.34
	(iii) Balance of Trade	"	-2039.91	-2687.27	-3564.48	-5336.81	-5182.02
8.	Index of Production:						
	(i) Agricultural		191.9	200.7	207.1	192.8	179.9
	(ii) Industrial	1993-94=100	221.5	255	277.1	286.1	316.2
9.	Wholesale Price Index:	1993-94=100	195.6	111.2	116.5	125.9	130.4
10.	Energy Generation (Gross):						
	Coal	Mn. Tonne	407.04	430.83	457.08	492.76	532.06
	Lignite	"	30.06	31.29	33.98	32.42	34.07
	Natural Gas	Bn.Cub.Mtr.	32.202	31.747	32.417	32.849	47.51
	Crude Oil	Mn. Tonne	32.2	34.00	34.12	33.51	33.69
	Petroleum Products (Incl. RE):	"	131.08	148.27	158.74	164.59	163.505
11.	Electricity Generated (Gross)						
	(i) Utilities						
	Hydel	B.KWH	101.5	113.5	120.4	110.1	106.7
	Thermal	"	506	538.4	585.3	615.1	671
	Nuclear	"	17.3	18.8	16.9	14.9	18.6
	Total	"	623.8	670.7	722.6	740.1	796.3
	(ii) Non-utilities	"	73.6	81.8	90.5	99.7	109.7
	Grand Total	"	**697.4**	**752.5**	**813.1**	**839.8**	**906.00**
12.	POL Traffic by Rail	MMT	33.45	35.23	35.88	35.08	38.88

Note: *: Provisional. +: Base 2004-05 Series X: April-Nov. N.A.: Not Available
Q: Quick Estimates. b1: Linked all-India CPI (UNME) b2: Linked all-India CPI (UNME) for April-2010
R: Revised Estimates

Source: Economic Survey, RBI, Ministry of Statistics/Industry/Finance.

I.4 Trends in Indian Petroleum Industry at a Glance

Item	Unit	2005-06	2006-07	2007-08	2008-09	2009-10*
1	2	7	8	9	10	11
1. Reserves !						
(i) Crude Oil	Mn. Tonne	786	756	725	770	773
(ii) Natural Gas	Bn. Cub. Mtr.	1101	1075	1055	1090	1115
2. Consumption						
(i) Crude Oil #	Mn. Tonne	130-11	146.55	156.103	160.77	192.77
(ii) Petroleum Products <	"	113.21	120.75	128.95	133.60	138.2
(iii) Natural Gas Utilisation	Bn. Cub. Mtr.	31.325	30.791	31.478	31.75	46.52
3. Production :						
(i) Crude Oil	"	32.19	33.988	34.118	33.51	33.69
(ii) Petroleum Products	"	119.75	135.26	144.93	150.52	179.77
(iii) LPG from natural gas	"	2.19	2.09	2.06	2.16	2.24
(iv) Natural Gas	Bn. Cub. Mtr.	32.202	31.747	32.417	32.845	47.496
4. (i) Total Refinery capacity	MMTPA	127.368	132.468	148.968	148.968	177.97
(ii) Capacity Utilisation	%	102.15	110.63	104.79	107.92	108.32
5. Imports & Exports						
(i) Gross Imports:						
(a) Qty: Crude Oil	Mn. Tonne	99.41	111.5	121.67	132.77	159.259
Pol. Products	"	13.44	17.66	22.46	18.524	14.278
Total (a)	"	112.85	129.16	144.13	151.29	173.54
(b) Value: Crude Oil	Rs. Billion	1717-02	2190.29	2726.99	3481.49	3753.78
Pol. Products	"	279.71	411.6	610.00	608.46	349.54
Total (b)	"	1996.73	2601.89	3336.99	4089.95	4103.32
Pol. Imports as per DGCI&S	"	1946.4	2585.72	3206.54	4198.78	4115.79
(ii) Exports :						
(a) Qty :						
Pol. Products	Mn. Tonne	23.46	33.62	40.78	38.902	50.974
(b) Value:						
Pol. Products	Rs. Billion	499.74	810.94	1107.89	1220.64	1440.37
(iii) Net Imports :						
(a) Qty : Crude Oil	Mn. Tonne	99.41	111.5	121.67	132 77	159.259
Pol. Products	"	-10-02	-15-96	-18.32	-20.378	-36.696
Total (a)	"	89.39	95.54	103.35	112.392	122.563
(b) Value: Crude Oil	Rs. Billion	1717-02	2190.29	2726.99	3481.49	3753.87
Pol. Products	"	-220.03	-399-34	-497.89	-612-18	-1090-83
Total (b)	"	1496.99	1790.95	2229.1	2869.31	2662.95
(iv) Unit Value of Crude oil Imports (gross)	Rs./MT	17272.105	19643.857	22413.002	26221.963	23570.85
6. Index of Self reliance		26	26	25	23	23
7. Contribution of Oil Sector to Centre/State Resources						
(i) Royalty from crude oil	Rs. Billion	50.67	58.57	65.44	71.55	61.55
(ii) Royalty from gas	"	8.637	10.75	14.87	16.24	18.00
(iii) Oil Development Cess	"	51.96	71.77	71.56	68.86	70.96
(iv) Excise and Custom duties	"	631.43	718.93	783.73	705.57	717.66
(v) Sales Tax	"	459.34	530.86	598.9	629.62	639.49
(vi) Dividend	"	95.45	115.27	94.74	98.61	67.63

Note: *: Provisional. !: Balance recoverable reserves N.A. : Not Available.
#: in terms of refinery crude throughput

Source: Public Sector Undertakings / DGCI&S, Kolkata / Ministry of Finance.

I.5 (a) Petroleum Energy in India

(Calender Years)

Products	2002	2003	2004	2005	2006	2007	2008	2009
1	2	3	4	5	6	7	8	9
				Availability				
				In Original Units (Million Tonnes)				
Kerosene	10.67	10.83	9.85	9.74	9.83	10.958	9.580	8.554
ATF	2.28	2.50	1.99	3.26	3.97	4.276	4.78	7.984
HSD	39.96	36.25	35.22	40.36	41.20	44.604	51.828	61.654
LDO	2.09	1.71	1.71	1.11	0.767	0.704	0.659	0.521
Fuel Oils	12.54	12.52	11.80	13.27	11.14	10.072	12.497	17.236
Others*	23.21	25.29	27.01	25.79	28.02	30.743	32.684	36.066
Total	**87.75**	**89.10**	**87.58**	**93.52**	**94.92**	**101.36**	**112.03**	**132.02**
				In Million Tonnes of Coal Equivalent Unit @				
Kerosene	21.34	21.66	19.70	19.48	19.66	21.92	19.16	17.10
ATF	4.56	5.00	3.98	6.52	7.94	8.56	9.56	15.96
HSD	73.92	72.50	70.44	80.72	82.40	89.20	103.66	123.30
LDO	4.18	3.42	3.42	2.22	1.54	1.40	1.32	1.04
Fuel Oils	25.08	25.04	23.60	26.54	22.28	20.14	25.00	34.48
Other*	46.42	50.58	54.02	51.58	56.04	61.48	65.36	72.14
Total	**175.50**	**178.20**	**175.16**	**187.06**	**189.86**	**202.70**	**224.06**	**264.02**
				In Million Tonnes of Coal Replacement Unit @				
Kerosene	85.36	86.64	78.80	77.92	78.64	87.68	76.64	68.40
ATF	17.10	18.75	14.93	24.45	29.78	32.10	35.85	59.85
HSD	332.64	326.25	316.98	363.24	370.80	401.40	466.47	554.85
LDO	18.81	15.39	15.39	9.99	6.93	6.30	5.94	4.68
Fuel Oils	25.08	25.04	23.60	26.54	22.28	20.14	25.00	34.48
Others*	88.89	94.58	99.15	100.22	105.98	116.81	126.37	126.37
Total	**567.88**	**566.65**	**548.85**	**602.36**	**614.41**	**664.43**	**736.27**	**848.63**
				Consumption#				
				In Original Units (Million Tonnes)				
Kerosene	9.80	9.49	9.30	9.47	9.41	9.37	9.31	9.35
ATF	2.26	2.39	2.72	3.13	3.83	4.4	4.49	4.59
HSD	36.61	36.18	38.31	36.47	39.41	44.11	50.8	53.585
LDO	1.35	1.24	1.13	0.89	0.74	0.67	0.61	0.528
Fuel Oils	11.80	11.59	12.16	12.51	11.49	11.594	11.181	10.903
Others*	22.96	24.98	26.88	27.17	29.34	32.932	34.714	35.973
Total	**84.78**	**85.87**	**90.50**	**89.63**	**94.23**	**103.08**	**111.11**	**114.93**

Products	2002	2003	2004	2005	2006	2007	2008	2009
1	2	3	4	5	6	7	8	9
			In Million Tonnes of Coal Equivalent Unit @					
Kerosene	19.60	18.98	18.60	18.94	18.83	18.74	18.62	18.70
ATF	4.52	4.78	5.44	6.25	7.66	8.80	8.98	9.18
HSD	73.22	72.36	76.62	72.93	78.82	88.22	101.60	107.17
LDO	2.70	2.48	2.26	1.78	1.48	1.34	1.22	1.06
Fuel Oils	23.60	23.18	24.32	25.02	22.98	23.19	22.36	21.81
Others*	45.92	49.96	53.76	54.34	58.69	65.86	69.43	71.95
Total	**169.56**	**171.74**	**181.00**	**179.27**	**188.46**	**206.15**	**222.21**	**229.86**
			In Million Tonnes of Coal Replacement Unit @					
Kerosene	78.40	75.92	74.40	75.78	75.31	74.96	74.48	74.80
ATF	16.95	17.93	20.40	23.45	28.73	33.00	33.68	34.43
HSD	329.49	325.62	344.79	328.20	354.69	396.99	457.20	482.27
LDO	12.15	11.16	10.17	8.01	6.68	6.03	5.49	4.75
Fuel Oils	23.60	23.18	24.32	25.02	22.98	23.19	22.36	21.81
Others*	87.09	91.97	97.48	99.83	105.96	117.31	128.94	128.94
Total	**547.68**	**545.78**	**571.56**	**560.28**	**594.34**	**651.48**	**722.15**	**746.99**

*: Includes LPG, Gasolines, Refinery Gas and Refinery Fuel.
(P) = Provisional.
@ : Based on conversion factors adopted by FPC, 1974
(#): includes Petroleum Products used for power generation.

I.5 (b) Petroleum Energy in India
(Financial Years)

Products	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
1	2	3	4	5	6	7	8	9
				Availability				
				In Original Units (Million Tonnes)				
Kerosene	10.73	10.99	9.50	9.84	9.76	10.146	9.569	9.484
ATF	2.36	2.63	2.78	3.42	4.16	4.624	4.374	3.49
HSD	37.14	37.24	39.75	39.84	43.06	46.985	50.987	45.281
LDO	2.08	1.66	1.55	0.92	0.80	0.671	0.606	0.507
Fuel Oils	12.30	13.02	13.76	13.29	14.92	9.161	13.203	13.124
Others*	24.02	25.64	27.10	26.03	28.75	19.733	32.149	36.334
Total	**88.63**	**91.18**	**94.44**	**93.34**	**101.45**	**91.32**	**110.89**	**108.22**
				In Million Tonnes of Coal Equivalent Unit @				
Kerosene	21.46	21.98	19.00	19.68	19.52	20.30	19.14	18.96
ATF	4.72	5.26	5.56	6.84	8.32	9.24	8.74	6.98
HSD	74.28	74.48	79.50	79.68	86.12	93.98	101.98	90.56
LDO	4.16	3.32	3.10	1.84	1.60	1.34	1.22	1.02
Fuel Oils	24.60	26.04	27.52	26.58	29.84	18.32	26.40	26.24
Others*	48.04	51.28	54.20	52.06	57.50	39.46	64.30	72.66
Total	**177.26**	**182.36**	**188.88**	**186.68**	**202.90**	**182.64**	**221.78**	**216.42**
				In Million Tonnes of Coal Replacement Unit @				
Kerosene	85.84	87.92	76.00	78.72	78.08	81.20	76.56	75.84
ATF	17.70	19.73	20.85	25.65	31.20	34.65	32.78	26.18
HSD	334.26	335.16	357.75	358.56	387.54	422.91	458.91	407.52
LDO	18.72	14.94	13.95	8.28	7.20	6.03	5.49	4.59
Fuel Oils	24.60	26.04	27.52	26.58	29.84	18.32	26.40	26.24
Others*	92.18	95.38	100.47	99.99	108.89	119.21	124.74	124.74
Total	**573.30**	**579.17**	**596.54**	**597.78**	**642.75**	**682.32**	**724.88**	**665.11**
				Consumption #				
				In Original Units (Million Tonnes)				
Kerosene	10.41	10.23	9.40	9.54	9.51	9.37	9.3	9.3
ATF	2.27	2.48	2.81	3.30	3.98	4.54	4.42	4.63
HSD	36.64	37.07	39.65	40.19	42.90	47.67	51.71	56.32
LDO	2.06	1.62	1.48	0.88	0.72	0.67	0.55	0.46
Fuel Oils	12.74	12.95	13.54	12.83	12.62	12.72	12.59	11.589
Others*	23.57	25.44	27.40	28.06	31.05	34.25	35.51	37.851
Total	**87.69**	**89.79**	**94.28**	**94.80**	**100.78**	**109.22**	**114.08**	**120.15**

Products	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
1	2	3	4	5	6	7	8	9
				In Million Tonnes of Coal Equivalent Unit @				
Kerosene	20.82	20.46	18.80	19.08	19.01	18.74	18.60	18.60
ATF	4.54	4.96	5.62	6.59	7.97	9.08	8.84	9.26
HSD	73.28	74.14	79.30	80.38	85.79	95.34	103.42	112.64
LDO	4.12	3.24	2.96	1.77	1.44	1.34	1.10	0.92
Fuel Oils	25.48	25.90	27.08	25.66	25.24	25.44	25.18	23.18
Others*	47.14	50.88	54.80	56.13	62.11	68.50	71.03	75.70
Total	**175.38**	**179.58**	**188.56**	**189.60**	**201.55**	**218.44**	**228.17**	**240.30**
				In Million Tonnes of Coal Replacement Unit @				
Kerosene	83.28	81.84	75.20	76.32	76.04	74.96	74.40	74.40
ATF	17.03	18.60	21.08	24.71	29.87	34.05	33.15	34.73
HSD	329.76	333.63	356.85	361.71	386.06	429.03	465.39	506.88
LDO	18.54	14.58	13.32	7.95	6.48	6.03	4.95	4.14
Fuel Oils	25.48	25.90	27.08	25.66	25.24	25.44	25.18	23.18
Others*	88.77	94.30	99.45	104.05	113.18	125.32	132.95	132.95
Total	**562.86**	**568.85**	**592.97**	**600.40**	**636.87**	**694.83**	**736.02**	**776.27**

(P) =Provisional.
@ : Based on conversion factors adopted by FPC, 1974.
: includes Petroleum Products used for power generation.
* : Includes LPG, Gasolines, Refinery Gas and Refinery Fuel.

Exploration-Crude Oil & Natural Gas

II.1 Area-wise Deployment of Deep Drilling Rigs, Wells & Meterage Drilled

Years	Onshore			Offshore			Total		
	Rigs (Nos.)	Wells (Nos.)	Meterage ('000')	Rigs (Nos.)	Wells (Nos.)	Meterage ('000')	Rigs (Nos.)	Wells (Nos.)	Meterage ('000')
1	2	3	4	5	6	7	8	9	10
(A) Oil & Natural Gas Corporation Ltd.									
2001-02	75	261	583	19	43	112	94	304	695
2002-03	73	275	580	23	65	194	96	340	774
2003-04	72	232	508	29	89	229	101	321	737
2004-05	72	295	641	29	69	223	101	364	864
2005-06	70	196	433	28	74	242	98	270	675
2006-07	70	199	426	25	66	201	95	265	627
2007-08	71	234	476	25	88	258	96	322	734
2008-09	76	243	522	36	81	252	112	324	774
2009-10*	85	294	626	35	82	251	120	376	877
(B) Oil India Limited									
2001-02	16	22	97	—	—	—	16	22	97
2002-03	13	37	130	—	—	—	13	37	130
2003-04	13	33	109	—	—	—	13	33	109
2004-05	13	45	154	—	—	—	13	45	154
2005-06	14	31	125	—	—	—	14	31	125
2006-07	13	32	115	—	—	—	13	32	115
2007-08	13	37	138	—	—	—	13	37	138
2008-09	16	57	114	—	—	—	16	57	114
2009-10*	17	53	142	—	—	—	17	53	142
Total (A+B)									
2001-02	91	283	680	19	43	112	110	326	792
2002-03	86	312	710	23	65	194	109	377	904
2003-04	85	265	617	29	89	229	114	354	846
2004-05	85	340	795	29	69	223	114	409	1018
2005-06	84	227	558	28	74	242	112	301	800
2006-07	83	231	541	25	66	201	108	297	742
2007-08	84	271	614	25	88	258	109	359	872
2008-09	92	300	636	36	81	252	128	381	888
2009-10*	102	347	768	35	82	251	137	429	1019

Note: *: Provisional.
Source: Oil & Natural Gas Corpn. Ltd. and Oil India Ltd.

II.4 State-wise Geological Surveys Achievements upto 31.3.2010

States	Geological Surveys (Sq. Km.)
1	2
Andhra Pradesh	53427
A.N. Islands	6860
Arunachal Pradesh	3692
Assam	48073
Bihar (incl. Jharkhand)	4035
Gujarat (Gulf of Cambay)	60625
Himachal Pradesh	9948
Jammu & Kashmir	22970
Kerela-Karnataka (incl Goa)	4000
Madhya Pradesh	39221
Chhattisgarh	5920
Manipur	2781
Meghalaya	1911
Mizoram	6194
Nagaland	6971
Rajasthan	46501
Sikkim	720
Tamil Nadu (incl. Pondicherry)	20003
Tripura	21263
Uttar Pradesh (incl. Uttarakhand)	29797
West Bengal	8808
Total	**403720**

Source: Oil & Natural Gas Corpn. Ltd. and Oil India Ltd.

II.5 State-wise Achievements of Geophysical Field Parties in India since Inception upto 01.04.2010

	Area/State	2D LK	2D GLK	3D SqK
	1	2	3	4
	Oil India Ltd.			
(A)	**Onshore**			
	Assam/Arunachal Pradesh		25246	7306.423
	Rajasthan		12973.00	2485.41
	Mizoram		951.47	0.00
	Orissa		4277.68	0.00
	UP & Uttaranchal		6222.50	0.00
	Andhra Pradesh		0.00	38.44
	Total (A)		**49670.65**	**9830.269**
(B)	**Offshore**			
	Orissa	13842		0
	Andaman	201		0
	Saurashtra	8767		332
	Total (B)	**22810**		**332**
	Oil & Natural Gas Corporation Ltd.			
			Seismic	
(A)	**On shore**		**2D**	**3D-SqK**
	Andhra Pradesh		39231.80	6377.59
	Assam		30717.57	3868.13
	Bihar		8063.26	895.42
	Gujarat		105576.50	9487.82
	Himchal Pradesh		4249.58	0.00
	Haryana		1038.00	0.00
	Jammu & Kashmir		2563.00	0.00
	Madhya Pradesh		10021.12	0.00
	Chhattisgarh		202.00	0.00
	Meghalaya		204.55	0.00
	Mizoram		209.05	0.00
	Nagaland		598.06	5.75
	Orissa		313.00	0.00
	Punjab		4078.00	0.00
	Rajasthan		22407.48	1192.69
	Tamil Nadu		40823.26	8459.07
	Tripura		6209.68	856.61
	Uttar Pradesh		28739.17	22.44
	Uttaranchal		1522.00	0.00
	West Bengal		30635.00	656.18
	Total (A)		**337402.08**	**31821.70**
(B)	**Offshore**			
	West Coast		476965.16	83598.40
	East Coast		232788.75	77683.07
	Total (b)		**709753.91**	**161281.47**
	Total ONGC		**1047155.99**	**193103.17**

Note: LK: Line Kilometre GLK: Ground Line Kilometre, SqK: Square Kilometre.

(b)	**Offshore**					
	East Coast	Cauvery	1	1	0	2
		KG Basin	1	1	1	3
	West Coast	Mumbai	0	1	1	2
		Cambay	0	1	2	3
	Grand Total		**56**	**145**	**242**	**443**

Note: AAFB: Assam Arakan Fold Belt. A&AA: Assam & Assam Arakan. *: As on 01.04.2010
Source: Oil & Natural Gas Corpn. Ltd., Oil India Ltd. and Directorate General of Hydrocarbons.

II.6 Basin-wise/State-wise Achievements of Drilling since Inception upto 01.04.2010

Basin	State/Region	Wells Number	Metreage ('000')
1	2	3	4
(A) Onshore			
Cambay	Gujarat	2426	4277.30
Rajasthan	Rajasthan	137	278.89
	Total WRBC	**2563**	**4556.19**

II.8 Reserves of Crude Oil in India@

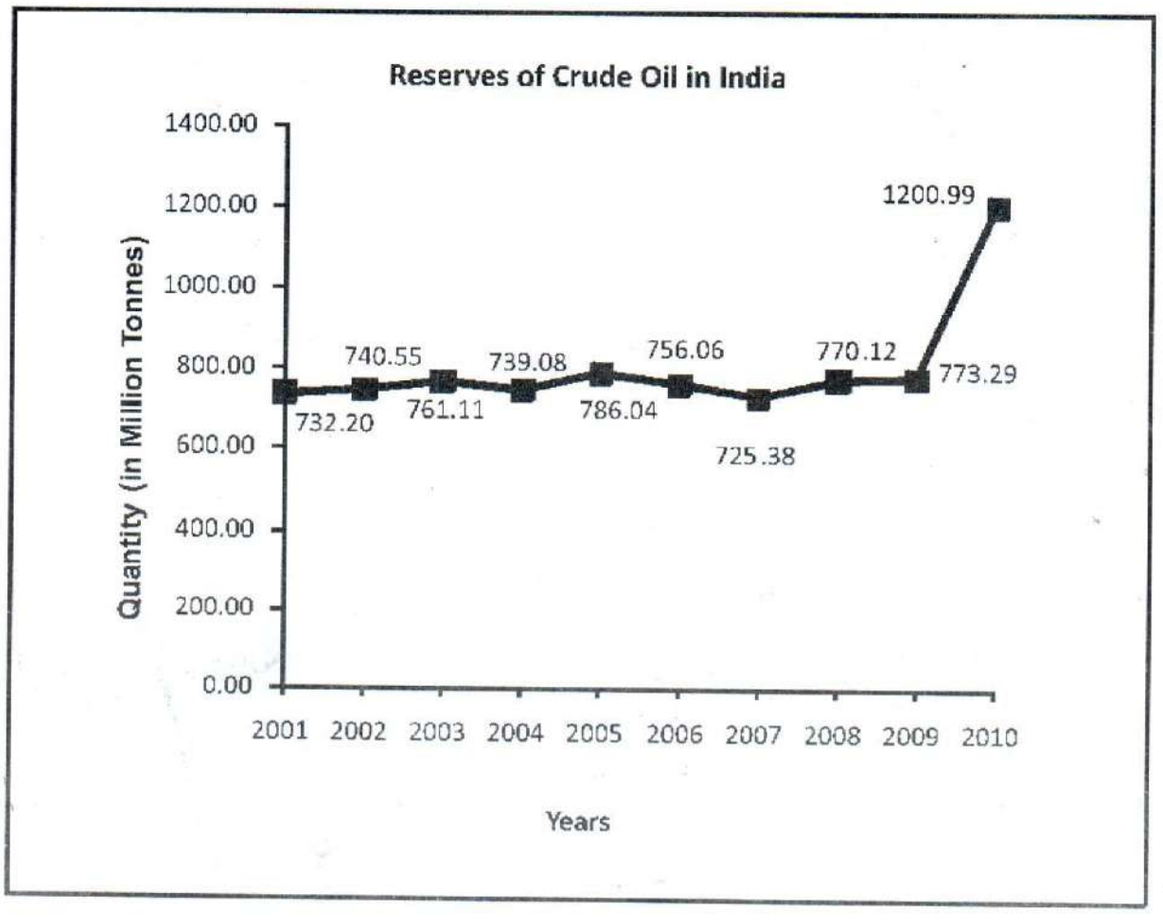
(Million Tonnes)

Year	Gujarat	Assam ($)	Andhra Pradesh	Tamil Nadu	Western (#) Offshore	Eastern (&) Offshore	Grand Total
1	2	3	4	5	6	7	8
2001	144.08	172.86	3.68	5.78	353.89	51.91	732.20
2002	148.09	173.79	3.77	5.97	348.11	60.82	740.55
2003	146.08	180.85	4.45	7.38	336.69	85.66	761.11
2004	174.83	170.22	4.28	8.01	321.20	60.54	739.08
2005	191.98	171.59	4.71	8.18	366.51	43.07	786.04
2006	204.42	170.59	4.52	7.98	336.44	32.11	756.06
2007	131.62	133.76	4.40	8.09	420.65	26.86	725.38
2008	135.37	173.12	4.37	7.98	424.62	24.66	770.12
2009	134.97	173.74	4.21	7.92	429.96	22.50	773.29
2010	233.84	278.08	7.16	14.77	639.09	28.05	1200.99

Note:

@: Proved and indicated Balance Recoverable Reserves as on 1st April.
$: Includes Tripura and Arunachal Pradesh Reserves
#: Includes Bombay High Offshore, Rajasthan and JVC.
&: Includes JVC/Pvt. Parties.

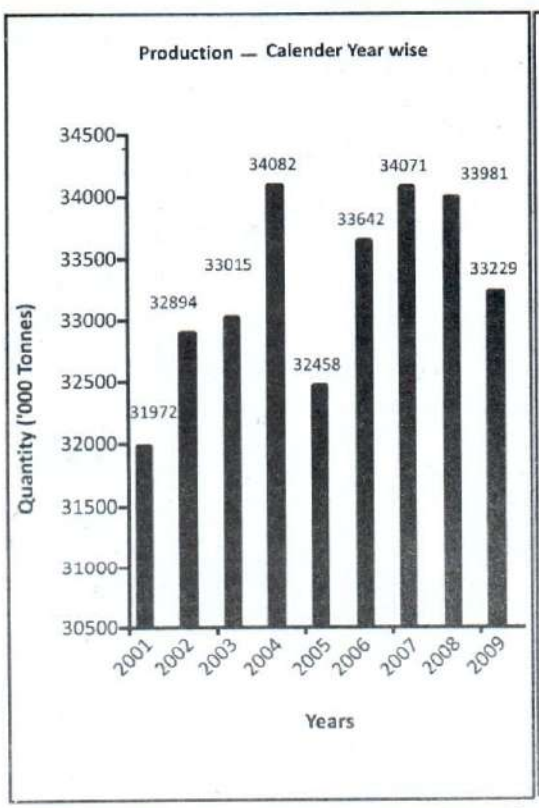
Source: Oil & Natural Gas Corporation/Oil India Limited and Directorate General of Hydrocarbons.

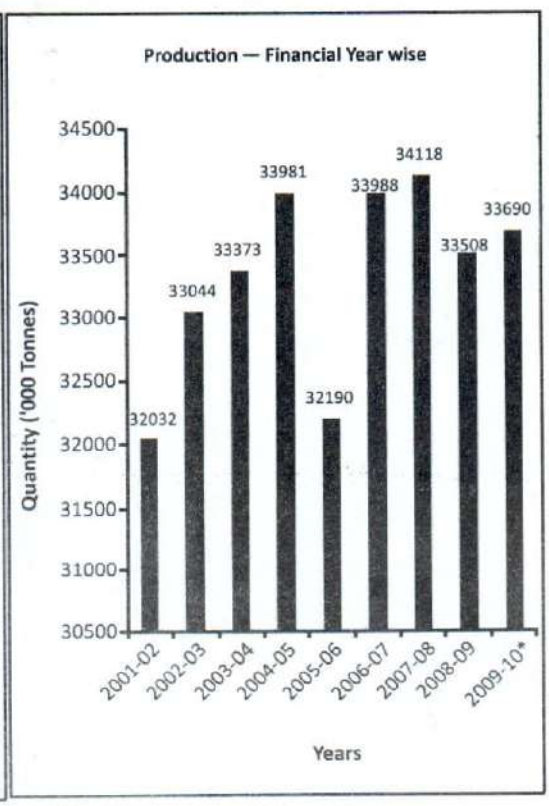


II.9 Company-wise Production of Crude Oil in India

('000 Tonnes)

Year	On Shore			Off Shore			Grand
	OIL	JVC	ONGC	Total	ONGC	JVC	Total
1	2	3	4	5	6	7	8
A. Calender Years							
2001	3256	72	8612	11940	15991	4041	31972
2002	2987	73	8535	11595	17203	4096	32894
2003	2946	73	8374	11393	17523	4099	33015
2004	3144	74	8326	11544	18267	4271	34082
2005	3280	90	8100	11470	16652	4336	32458
2006	3123	151	8135	11409	17553	4680	33642
2007	3028	185	7929	11142	18117	4812	34071
2008	3450	224	7745	11419	18040	4522	33981
2009	3525	508	7442	11475	17226	4528	33229
B. Financial Years							
2001-02	3182	71	8636	11889	16074	4069	32032
2002-03	2951	75	8445	11471	17560	4013	33044
2003-04	3002	74	8380	11456	17677	4240	33373
2004-05	3196	74	8321	11591	18164	4226	33981
2005-06	3234	101	8095	11430	16309	4451	32190
2006-07	3107	161	8058	11326	17993	4669	33988
2007-08	3100	192	7921	11213	18020	4885	34118
2008-09	3468	243	7565	11276	17801	4431	33508
2009-10*	3572	734	7515	11821	17340	4529	33690



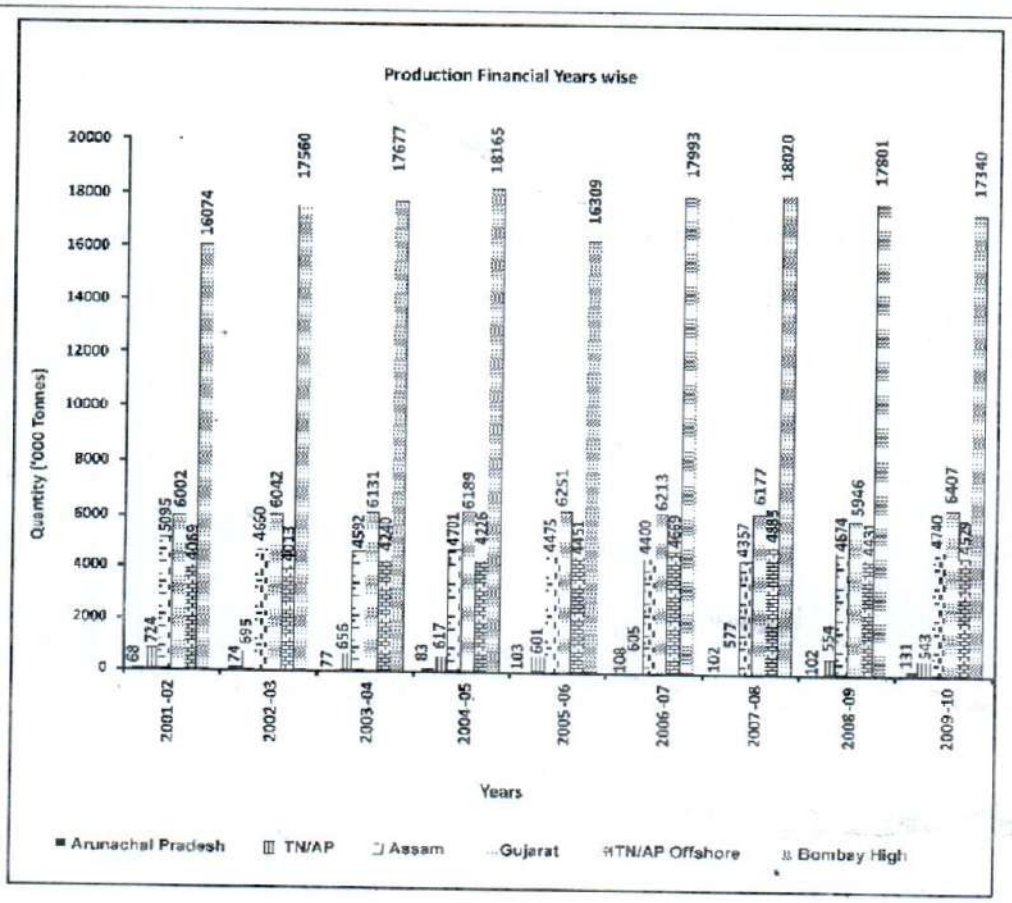


Source : Public Sector Undertakings/Joint Venture Companies

II.10 State-wise Production of Crude Oil in India

('000 Tonnes)

Year	Onshore					Offshore		Grand Total
	Arunachal Pradesh	T. Nadu/ Andhra Pradesh	Assam	Gujarat	Total	T. Nadu/ Andhra Pradesh	Bombay High	
1	2	3	4	5	6	7	8	9
A. Calender Years								
2001	68	746	5150	5976	11940	4041	15991	31972
2002	72	705	4787	6031	11595	4096	17203	32894
2003	75	662	4535	6121	11393	4099	17523	33015
2004	82	617	4679	6166	11544	4271	18267	34082
2005	97	609	455	6199	11470	4336	16652	32458
2006	110	606	4413	6280	11409	4680	17553	33642
2007	105	582	4287	6168	11142	4812	18117	34071
2008	96	568	4686	6069	11419	4522	18040	33981
2009	127	546	4697	6105	11475	4528	17225	33228
B. Financial Years								
2001-02	68	724	5095	6002	11889	4069	16074	32032
2002-03	74	695	4660	6042	11471	4013	17560	33044
2003-04	77	656	4592	6131	11456	4240	17677	33373
2004-05	83	617	4701	6189	11590	4226	18165	33981
2005-06	103	601	4475	6251	11430	4451	16309	32190
2006-07	108	605	4400	6213	11326	4669	17993	33988
2007-08	102	577	4357	6177	11213	4885	18020	34118
2008-09	102	554	4674	5946	11276	4431	17801	33508
2009-10	131	543	4740	6407	11821	4529	17340	33690



II.11 Reserves of Natural Gas in India@

(Billion Cubic Metres)

Year	Gujarat	Assam(1)	Andhra Pradesh	Tamil Nadu	Western(2) Offshore	Eastern(3) Offshore	Grand Total
1	2	3	4	5	6	7	8
2001	83.51	156.29	39.65	21.95	442.58	18.97	762.95
2002	91.79	160.96	40.36	22.05	410.37	25.18	750.71
2003	96.22	164.37	42.07	24.76	392.66	133.40	853.48
2004	95.87	172.95	41.75	28.00	394.13	190.10	922.80
2005	93.11	174.94	42.28	29.57	376.69	386.40	1102.99
2006	84.96	174.94	41.46	28.78	344.44	400.83	1075.41
2007	76.72	119.68	40.92	28.72	369.36	419.12	1054.52
2008	73.75	112.34	40.33	27.77	392.95	442.83	1089.97
2009	77.22	131.45	39.55	26.95	414.65	425.44	1115.26
2010	127.66	169.41	69.36	64.46	593.18	426.23	1450.30

Note:

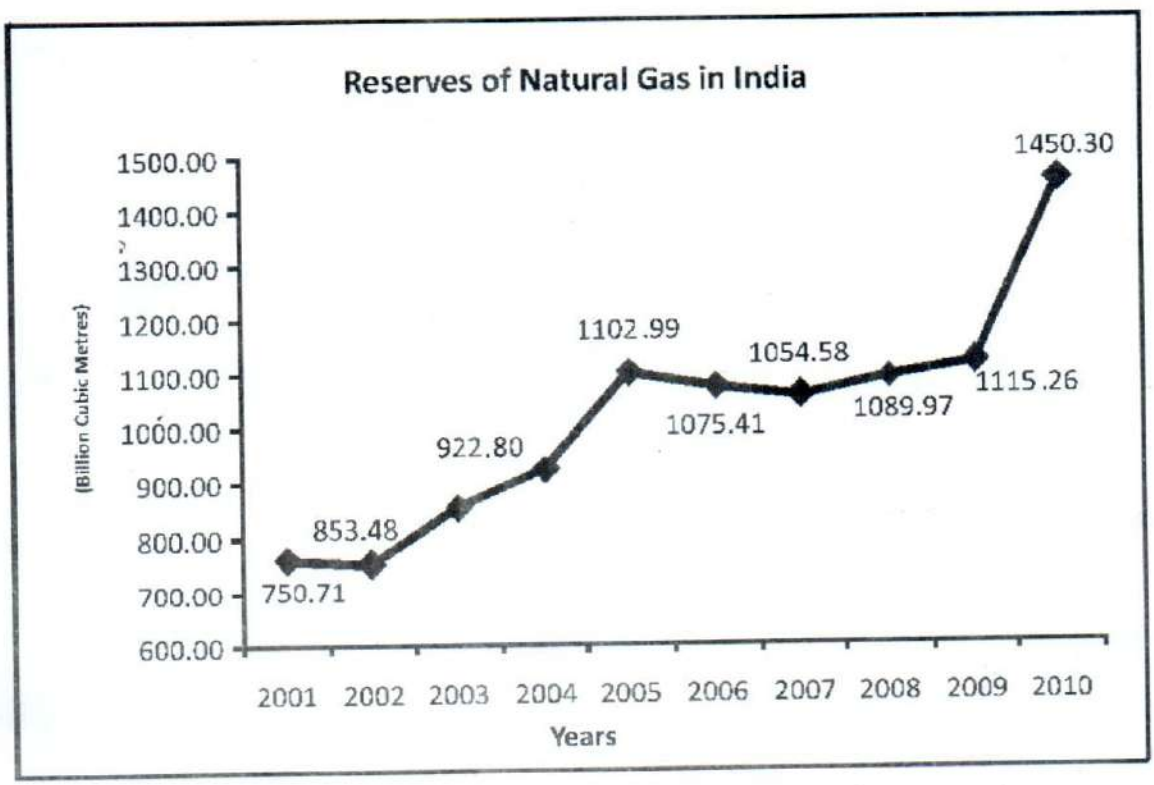
@: Proved and indicated Balance Recoverable Reserves as on 1st April.

1: Includes Nagaland, Tripura and Arunachal Pradesh Reserves of Natural Gas.

2. Includes Bombay High Offshore, Rajasthan and Madhya Pradesh (Coal Bed Methane).

3. Includes West Bengal (CBM).

Source: Oil & Natural Gas Corpn. Ltd., Oil India Ltd. and Directorate General of Hydrocarbons.



II.12 State-wise Gross Production of Natural Gas in India

Year	Onshore									Offshore			Grand Total
	Assam	Gujarat	West Bengal	Rajas-than	Tamil Nadu	Andhra Pradesh	Tripura	Arunachal Pradesh	Total	Eastern Offshore	Bombay High/ Western Offshore	Total	
Calender Years													
2001	2065	3245	0	144	329	1746	425	3 $	7957	459	21213	21672	29629
2002	2032	3486	0	116	390	2023	418	6 $	8471	829	21442	22271	30742
2003	2210	3537	0	171	593	1959	506	9 $	8985	892	22329	23221	32206
2004	2231	3521	0	191	661	1747	493	40	8884	1041	21750	22791	31675
2005	2392	3802	0	239	841	1679	502	44	9499	1008	21492	22500	31999
2006	2483	3547	0	244	1091	1560	500	41	9466	878	21444	22322	31788
2007	2581	2968	9	253	1165	1548	530	31	9085	892	22430	23322	32407
2008	2616	2679	13	227	1236	1555	556	29	8911	897	23252	24150	33060
2009*	2653	2500	36	230	1203	1488	553	36	8699	10144	22861	33005	41704
Financial Years													
2001-02	1992	3280	0	101	349	1797	416	32	7967	574	21173	21747	29714
2002-03	2047	3531	0	162	466	2038	446	36	8726	831	21832	22663	31389
2003-04	2204	3517	0	168	605	1927	508	44	8973	923	22066	22989	31962
2004-05	2248	3711	0	213	678	1707	496	40	9093	1062	21608	22670	31763
2005-06	2408	3831	0	242	906	1663	480	48	9578	980	21644	22624	32202
2006-07	2526	3294	0	242	1130	1525	520	35	9272	857	21618	22475	31747
2007-08	2598	2931	15	255	1169	1567	534	30	9099	892	22426	23318	32417
2008-09	2573	2605	20	216	1242	1524	553	30	8763	866	23216	24082	32845
2009-10*	2703	2444	38	239	1178	1479	564	40	8685	15787	23024	38811	47496

*: Provisional.
$: Oil India Ltd.'s share is included in Assam.
Source: Oil & Natural Gas Corpn. Ltd., Oil India Ltd. and Directorate General of Hydrocarbons.

II.13 State-wise Gross and Net Production of Natural Gas in India

(Million cubic metres)

Period	Gross Prodn.	Sales	Flarred	Net availability$
1	2	3	4	5
		Onshore		
Gujarat				
2001-02	3280	2396	401	2879
2002-03	3531	2829	322	3209
2003-04	3517	2945	128	3389
2004-05	3711	3071	48	3663
2005-06	3831	3056	21	3810
2006-07	3294	2713	17	3277
2007-08	2931	2352	18	2913
2008-09	2605	1984	32	2573
2009-10*	2444	1792	38	22406
Rajasthan				
2001-02	100	95	0	100
2002-03	162	158	0	162
2003-04	168	163	2	166
2004-05	213	208	2	211
2005-06	242	238	0	242
2006-07	242	237	1	241
2007-08	255	248	3	252
2008-09	216	210	2	214
2009-10*	239	213	18	221
Assam/Arunchal Pradesh				
2001-02	2025	1326	190	1835
2002-03	2083	1363	185	1898
2003-04	2248	1506	201	2047
2004-05	2288	1521	229	2059
2005-06	2455	1714	205	2250
2006-07	2561	1808	232	2329
2007-08	2628	1875	214	2414
2008-09	2603	1860	194	2409
2009-10	2743	1963	228	2515
Tripura				
2001-02	416	415	0	416
2002-03	446	445	0	446
2003-04	508	507	0	508
2004-05	496	496	0	496
2005-06	480	479	0	480
2006-07	520	519	0	520
2007-08	534	533	0	534
2008-09	553	552	0	553
2009-10	564	561	0	564
Tamil Nadu				
2001-02	349	249	98	251
2002-03	466	377	88	378

Contd...

1	2	3	4	5
2003-04	605	535	68	537
2004-05	678	627	49	629
2005-06	906	866	39	867
2006-07	1130	1111	17	1113
2007-08	1169	1151	17	1152
2008-09	1242	1230	10	1232
2009-10*	1178	1161	2	1176
Arunachal Pradesh				
2001-02	1797	1770	18	1779
2002-03	2038	2009	18	2020
2003-04	1927	1903	13	1914
2004-05	1707	1686	10	1697
2005-06	1663	1646	8	1655
2006-07	1525	1507	9	1516
2007-08	1567	1548	10	1557
2008-09	1524	1508	7	1517
2009-10	1479	1468	10	1469
West Bengal				
2007-08	14.9	0	14.4	0.5
2008-09	20	1.5	16.8	3.2
2009-10*	38	6	30	8
		Total Onshore		
2001-02	7967	6251	696	7260
2002-03	8726	7181	613	8113
2003-04	8973	7559	412	8561
2004-05	9093	7609	338	8755
2005-06	9578	7999	273	9304
2006-07	9272	7895	276	8996
2007-08	9099	7707	262	8822
2008-09	8763	7344	262	8498
2009-10	8685	7158	326	8359
		Offshore		
2001-02	21747	17940	981	20766
2002-03	22663	18690	812	21851
2003-04	22989	19151	644	22345
2004-05	22670	18896	650	22020
2005-06	22624	18859	604	22020
2006-07	22475	18521	680	21795
2007-08	23318	19267	662	22656
2008-09	24082	19721	837	23245
2009-10*	38811	33710	664	38147
		Grad Total		
2001-02	29714	24191	1677	28026
2002-03	31389	25871	1425	29964
2003-04	31962	26710	1056	30906
2004-05	31763	26505	988	30775
2005-06	32202	26858	877	31324
2006-07	31747	26416	956	30791
2007-08	32417	26974	924	31478
2008-09	32845	27065	1099	31743
2009-10*	47496	40868	990	46506

$: Includes internal consumption

*:Provisional

Source: Oil & Natural Gas Corpn. Ltd., Oil India Ltd. and Directorate General of Hydrocarbons.

II.14 State-wise Utilisation of Natural Gas in India

(Million Cubic Metres)

State/Area	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10*
Onshore									
Gujarat/Rajasthan	2979	3371	3555	3873	4052	3518	3165	2787	2627
Assam/Arunchal Pradesh	1846	1898	2047	2059	2251	2329	2414	2409	2516
Tripura/West Bengal	416	446	508	497	480	520	534	556	570
Andhra Pradesh	1779	2020	1914	1697	1655	1516	1557	1517	1469
Tamil Nadu	251	378	537	629	867	1113	1152	1232	1176
Total Onshore	**7271**	**8113**	**8561**	**8755**	**9305**	**8996**	**8822**	**8501**	**8358**
Offshore									
Mamubai High	17439	17643	17235	16769	16351	16011	15879	16023	16901
JVC	3327	4208	5110	5251	5669	5784	6777	7222	21261
Total Offshore	**20766**	**21851**	**22345**	**22020**	**22020**	**21795**	**22656**	**23245**	**38162**
GranD Total	**28037**	**29964**	**30906**	**30775**	**31325**	**30791**	**31478**	**31746**	**46520**

II.15 Industry-wise Offtakes of Natural Gas in India

(Million Cubic Metres)

Industry	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10*
Energy Purposes									
Power Generation	9214	10510	11478	12099	11878	11963	12037	12603	21365
Industrial Fuel	2979	2939	3099	3569	3780	3205	3323	5912	462
Tea Plantation	147	119	142	142	151	170	160	154	167
Domestic Fuel	485	654	93	343	75	443	38	102	246
Captive Use/LPG Shrinkage	5339	5409	4865	4944	5048	5034	1804	1885	5434
Others	70	136	1263	231	1120	40	1324	1535	4656
Total	**18234**	**19767**	**20940**	**21328**	**22052**	**20855**	**18686**	**22191**	**32330**
Non-Energy Purposes									
Fertilisers	7957	7955	7889	8173	7762	8497	9823	9082	13168
Petro-Chemicals	909	1027	1128	1236	1175	1377	1432	1105	1264
Others	937	1215	949	38	36	639	638	611	703
Total	**9803**	**10197**	**9966**	**9447**	**8973**	**10513**	**11893**	**10798**	**15135**
Grand Total	**28037**	**29964**	**30906**	**30775**	**31025**	**31368**	**30579**	**32989**	**47465**

*Provisional.

Source: Oil & Natural Gas Corpn. Ltd., Oil India Ltd., Directorate General of Hydrocarbons and GAIL (India) Ltd.

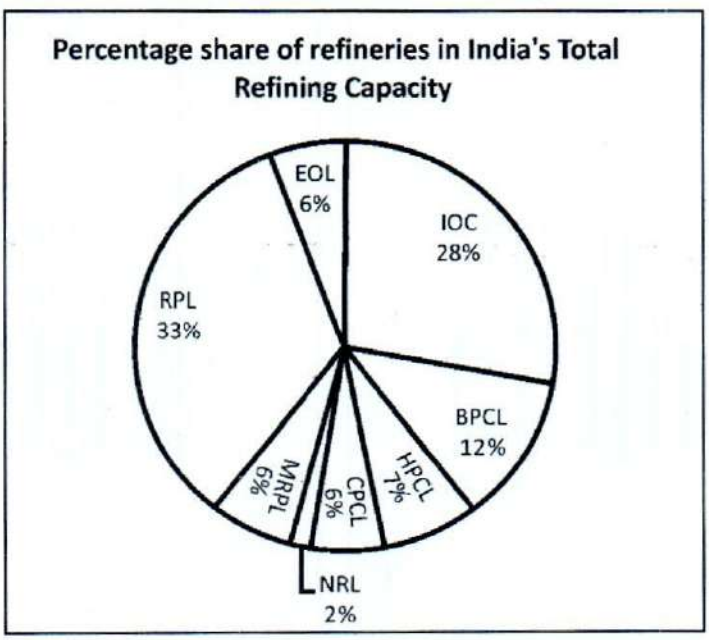
Refining, Transportation & Marketing

III. 1 Petroleum Refining Capacity in India

(Million Tonnes per annum)

Refinery	Year of Commissioning	Installed Capacity as on 1.4.2010
1	2	3
(a) Public Sector Refineries		**111.89**
I. **IOC Refineries**		**51.20**
IOC, Digboi	1901	0.65
IOC, Guwahati	1962	1.00
IOC, Barauni	1964	6.00
IOC, Koyali	1965	13.70
IOC, Haldia	1974	7.50
IOC, Mathura	1982	8.00
IOC, Panipat	1998	12.00
IOC, Bongaigaon	1979	2.35
II. **BPCL Refineries**		**21.50**
BPCL, Mumbai	1955	12.00
BPCL, Kochi	1966	9.50
III. **HPCL Refineries**		**13.80**
HPCL, Mumbai	1954	5.50
HPCL, Visakh	1957	8.30
IV. **CPCL Refineries**		**10.50**
CPCL, Manali	1969	9.50
CPCL, Narimanam	1993	1.00
V. NRL, Numaligarh	1999	3.00
VI. ONGC, Tatipaka	2002	0.07
VII. MRPL, Mangalore	1996	11.82
(b) Private Refineries		**72.50**
I. **RPL Refineries**		**62.00**
RPL, Jamnagar	1999	33.00
II. RPL(SEZ), Jamnagar*	2008	29.00
III. Essar Oil Ltd., Vadinar	2006	10.50
Total (a+b)		**184.39**

*RPL(SEZ), Jamnagar commissioned on 25.12.2008 & started production from January, 2009.

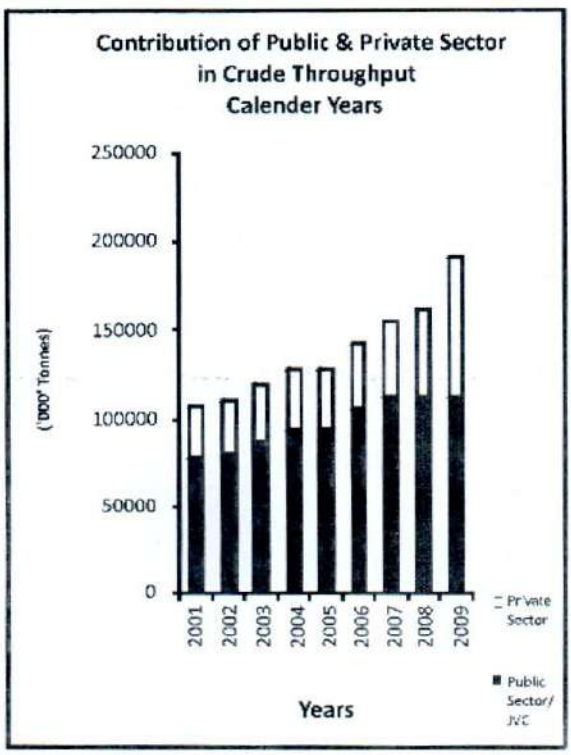


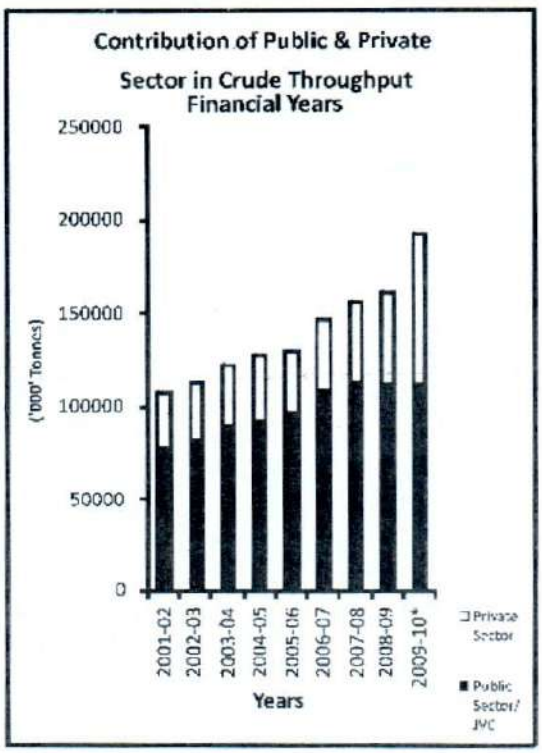
III.2 Refinery Crude Throughput and Production of Petroleum Products

('000 Tonnes)

Year	Crude Throughput			Production of Petroleum Products		
	Public Sector/JVC	Private Sector	Total	Public Sector/JVC	Private Sector	Total
1	2	3	4	5	6	7
			(Calendar Years)			
2001	77818	28926	106744	72595	26382	98977
2002	80469	29679	110148	74914	26926	101840
2003	86350	32161	118511	80405	29694	110099
2004	93619	34136	127755	87008	31835	118843
2005	94489	33061	127550	87551	29694	117245
2006	105690	36727	142417	97477	34172	131649
2007	112179	42516	154695	103701	39699	143400
2008	112120	48327	160447	103748	46501	150249
2009	112365	78218	190583	104026	75343	179369
			(Financial Years)			
2001-02	77620	29654	107274	72462	27542	100004
2002-03	82015	30544	112559	76236	27904	104140
2003-04	89495	32345	121840	83397	30066	113463
2004-05	93107	34309	127416	86674	31905	118579
2005-06	96946	33163	130109	89793	29957	119750
2006-07	108173	38378	146551	99714	35546	135260
2007-08	112541	43562	156103	104008	40922	144930
2008-09*	112222	48550	160772	103933	46583	150516
2009-10*	112116	80652	192768	103641	76127	179768

Contribution of Public & Private Sector in Crude Throughput Calender Years
Contribution of Public & Private Sector in Crude Throughput Financial Years





III.3 Refinery-wise Crude Throughput and Production of Petroleum Products

('000' Tonnes)

Refinery	Crude Throughput									Production of Petroleum Products								
	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10*	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10*
IOC, Digboi	653	581	602	651	615	586	564	623	600	640	577	584	636	605	567	537	605	578
BPCL, Mumbai	8744	8711	8757	9138	10298	12030	12746	12262	12516	8279	8221	8259	8598	9627	11234	11884	11437	11810
HPCL, Mumbai	5641	6078	6108	6118	6249	7419	7409	6652	6965	5229	5660	5707	5725	5817	6981	6908	6210	6594
HPCL, Vishakhapatnam	6706	6851	7591	8121	7980	9377	9409	9155	8796	6334	6386	7145	7636	7515	8782	8896	8654	8117
IOC, Guwahati	656	458	891	1002	864	839	920	1076	1078	578	390	739	868	750	726	789	914	952
IOC, Barauni	2876	2994	4304	5082	5553	5469	5634	5940	6184	2625	2637	3815	4562	5016	4931	5083	5362	5651
IOC, Koyali	11697	12434	12758	11698	11543	12953	13714	13852	13206	11028	11734	12029	11041	10839	12142	12886	13059	12472
IOC, Haldia	4026	4513	4518	5418	5502	5836	5715	6042	5686	3601	4031	4112	4964	4988	5282	5199	5531	5053
IOC, Mathura	8031	8207	8248	6387	7938	8883	8033	8601	8107	7780	7880	7932	6145	7463	8425	7616	8164	7672
IOC, Panipat	5822	6101	6338	6390	6507	9435	12821	13070	13615	5323	5561	5818	5826	5780	8016	11272	11680	11959
BPCL(KRL), Kochi	6797	7580	7854	7924	6939	7742	8134	7739	7875	6398	7063	7419	7387	6456	7237	7687	7192	7389
CPCL(MRL), Manali	6123	6176	6387	8181	9680	9784	9802	9718	9580	5676	5658	5827	7397	8742	8841	8869	8853	8718
CPCL(MRL), Narimanam	566	643	653	742	682	618	464	418	517	549	631	645	733	671	609	449	398	503
BRPL, Assam	1475	1463	2126	2311	2356	2067	2020	2163	2220	1314	1352	1963	2171	2246	1932	1888	2022	2100
NRL, Numaligarh	2307	1879	2200	2042	2133	2504	2568	2251	2619	2052	1665	1961	1834	1918	2227	2278	1992	2336
MRPL, Mangalore	5487	7253	10069	11809	12014	12536	12525	12577	12498	5043	6699	9352	11059	11268	11689	11706	11778	11683
ONGC, Tatipaka	13	93	91	93	93	94	63	84	55	13	91	90	92	92	93	62	82	54
RPL, Jamnagar	29654	30544	32345	34309	33163	36616	36931	35636	34415	27542	27904	30066	31905	29957	34174	34307	33010	31768
RPL, SEZ	—	—	—	—	—	—	—	—	32735	—	—	—	—	—	—	—	—	30113
EOL, Vadinar	—	—	—	—	—	1763	6631	12913	13502	—	—	—	—	—	1372	6614	13573	14246
Total	**107274**	**112559**	**121840**	**127416**	**130109**	**146551**	**156103**	**160772**	**192768**	**100004**	**104140**	**113463**	**118579**	**119750**	**135260**	**144930**	**150516**	**179768**

III.5 Crude Oil, Natural Gas and Product Pipelines in India

Type of Pipeline/Owner	Length (in Kms.) as on 1st April								
	2002	2003	2004	2005	2006	2007	2008	2009	2010
Crude Pipelines (Onshore)									
ONGC	9210	9593	10022	10297	10671	11029	11378	11949	12384
Oil	1538	1538	1538	1418	1418	1418	1418	1418	1418
IOC	2640	2788	2788	2788	2788	3962	3962	4341	4332
HPCL	11	11	11	13	13	11	11	11	19
Pvt./JVC	16	16	17	19	19	21	47	47	682
Sub-Total	**13415**	**13946**	**14376**	**14535**	**14909**	**16441**	**16816**	**17766**	**18835**
Crude Pipelines (Offshore)									
ONGC	2080	2115	2137	2181	2475	2569	2588	2673	2683
IOC	25	25	25	25	25	25	25	25	34
Pvt./JVC	142	174	179	179	179	200	200	200	205
Sub-Total	**2247**	**2314**	**2341**	**2385**	**2679**	**2794**	**2813**	**2898**	**2922**
Total Crude Oil Pipeline	**15662**	**16260**	**16717**	**16920**	**17588**	**19235**	**19629**	**20664**	**21757**
Gas Pipelines (Onshore)									
ONGC	3198	3369	3519	3689	3892	4098	4284	4461	4667
GAIL	4436	4571	5167	5471	5599	6196	7001	7179	7850
BPCL	2	2	2	2	26	26	26	2	2
Pvt./JVC	5	19	30	35	35	35	41	41	729
Sub-Total	**7641**	**7961**	**8718**	**9197**	**9552**	**10355**	**11352**	**11683**	**13248**
Gas Pipelines (Offshore)									
ONGC	2502	2512	2512	2517	2783	2863	2863	3022	3241
Pvt./JVC	115	115	123	123	132	137	259	411	504
Sub-Total	**2617**	**2627**	**2635**	**2640**	**2915**	**3000**	**3122**	**3433**	**3745**
Total Gas Pipeline	**10258**	**10588**	**11353**	**11837**	**12467**	**13355**	**14474**	**15116**	**16993**
Product Pipelines (Onshore)									
IOC (AOD)	75	75	75	75	75	75	75	75	75
IOC	4186	4687	4842	4842	6063	5211	5211	5349	6100
BPCL	576	613	971	971	971	1745	1745	1745	1971
HPCL	732	732	732	732	732	2130	2130	2130	2130
NRL-Siliguri	-	-	-	-	-	-	-	660	660
ONGC	1795	1940	2041	2132	2239	2396	2606	1964	2840
GAIL	1233	1233	1495	1927	1927	1927	1927	753	1964
Petronet India Limited	392	753	753	753	753	753	753	753	753
Sub-Total	**8597**	**9280**	**10156**	**10679**	**12007**	**13484**	**13694**	**12676**	**15740**
Product Pipelines (Offshore)									
BPCL	3	3	3	3	3	3	3	3	3
ONGC	636	668	668	678	697	730	752	762	783
Sub-Total	**639**	**671**	**671**	**681**	**700**	**733**	**755**	**765**	**786**
Total Products Pipeline	**9236**	**9951**	**10827**	**11360**	**12707**	**14217**	**14449**	**15419**	**15052**
Grand Total	**35156**	**36799**	**38897**	**40117**	**42762**	**46807**	**48552**	**49221**	**55276**

*Including offshore pipeline (HPCL).

III.6 Tonnage of Indian Tankers Fleet

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
A. Coastal Trade (Oil Tankers)										
1. Product Carriers										
No. of tankers	10	12	12	12	11	9	10	12	14	13
DWT ('000' tonnes)	83.2	90.1	61.0	61.0	54.9	40.5	42.6	44.7	66.7	43.2
2. Crude Oil Carriers										
No. of Tankers	2	2	2	2	2	2	2	2	2	2
DWT ('000' tonnes)	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
3. Offshore Supply Vessels										
No.of tankers	69	70	73	76	80	83	89	96	100	110
DWT ('000' tonnes)	85.4	85.6	95.8	99.1	99.7	100.2	105.8	118.4	122.6	132.5
4. Specialised Vessels for Offshore										
No.of tankers	27	28	31	32	32	35	35	36	36	38
DWT ('000' tonnes)	59.2	59.2	53.2	54.1	54.1	47.4	47.4	47.4	49.3	50.5
Total (1+2+3+4)										
No.of tankers	108	112	118	122	125	129	136	146	152	163
DWT ('000' tonnes)	310.0	317.1	292.2	296.4	290.9	270.3	278.0	292.7	320.8	308.4
B. Overseas Trade (Oil Tankers)										
5. Ore Oil Bulk Carriers										
No.of tankers	4	3	2	2	2	2	2	2	2	2
DWT ('000' tonnes)	355.1	231.6	169.3	169.3	169.3	169.3	169.3	169.3	169.3	169.3
6. Crude Oil Carriers										
No.of tankers	34	34	36	46	49	47	54	53	54	60
DWT ('000' tonnes)	3455.7	3474.3	3592.1	4744.4	5735.4	5379.9	5730.9	5273.8	5264.1	5687.5
7. Product Carriers										
No.of tankers	45	45	40	45	47	52	47	48	50	57
DWT ('000' tonnes)	1656.5	1642.3	1493.0	1998.0	2471.9	2985.5	2684.8	2940.3	3302.9	3586.9
8. LPG Carriers										
No.of tankers	6	6	7	8	11	14	15	16	14	9
DWT ('000' tonnes)	138.1	138.1	162.6	183.2	250.7	341.9	385.5	442.3	395.8	276.9
Total Overseas (5+6+7+8)										
No.of tankers	89	88	85	101	109	115	118	119	120	128
DWT ('000' tonnes)	5605.4	5486.3	5417.0	7094.9	8627.3	8876.6	8970.5	8825.7	9132.1	9720.6
Total Oil Tankers (A+B)										
No.of tankers	197	200	203	223	234	244	254	265	272	291
DWT ('000' tonnes)	5915.4	5803.4	5709.2	7391.3	8918.2	9146.9	9248.5	9118.4	9452.9	10029.0

Note: As on 30th June in 2001 and 31st March from 2002 and onwards. DWT: Dead Weight Tonnage.
Source: Directorate General of Shipping, Mumbai.

III.7 Indian Tonnage as on 31.3.2010

(Tonnes)

	Owner of the Ship	Gross Registered Tonnage	Dead Weight Tonnage
	Coastal Trade		
	Tankers (Product Carriers)		
1.	Associated Maritime Pvt. Ltd.	1090	2052
2.	Atlantic Shipping Pvt. Ltd.	2814	3617
3.	K. Raghu Pathi Rao (Raghu)	65	0
4.	M. Gangadhar Rao	36	0
5.	Blue Ocean Sea Transport Ltd.	965	1546
6.	Castle Ships Pvt. Ltd.	1332	2127
7.	Coast Line Services (India) (P) Ltd.	493	872
8.	Jaisu Shipping (P) Ltd.	1873	2808
9.	Pratibha Shipping Co. Ltd.	30565	28610
10.	Vamsee Shipping Carrier Pvt. Ltd.	496	1179
11.	Viking Lighterage & Cargo Handlers P. Ltd.	306	415
	Total	**40035**	**43226**
	Tankers (Crude Oil Carriers)		
1.	The Shipping Corporation of India Ltd.	50080	82246
	Total	**50080**	**82246**
	Offshore Supply Vessels		
1.	Admn. of UT of Lakshadweep	738	960
2.	Albatross Shipping Agencies	273	214
3.	ARC Maritime Pvt. Ltd.	1591	1921
4.	Chandra Ship; Management Pvt. Ltd.	285	0
5.	Damodar Marine Services Pvt. Ltd.	487	737
6.	Dunnimaa Engineers & Divers Ent. P. Ltd.	639	627
7.	EPSOM Shipping (I) Pvt. Ltd.	1791	1451
8.	GAL Offshore Shipping	640	0
9.	Garware Offshore	2601	3180
10.	Great Offshore Ltd.	13428	17194
11.	Greatship (India) Ltd.	1596	2416
12.	HAL Offshore Ltd.	1085	832
13.	Hede Ferominas (P) Ltd.	1332	1686
14.	ITT Lines Pvt. Ltd.	1042	1207
15.	Jayesh Shipping P. Ltd.	69	0
16.	Hind Offshore Pvt. Ltd.	2438	2387
17.	Kei-rsos Maritime Ltd.	2779	2914
18.	Mathew Meenathethil George	322	500
19.	Oil and Natural Gas Corporation	37065	46428
20.	Prince Marine Transport Services	2766	1191
21.	Procyon Offshore Services Ltd.	1371	763
22.	PFS Shipping (India) Ltd.	3844	3842
23.	Raj Shipping Agencies Ltd.	4337	4759
24.	Synergy Offshore Services	189	125
25.	Samson Maritime Ltd.	2443	2443
26.	Samson Maritime Ltd.	3444	3000
27.	Supreme Global Service Pvt. Ltd.	495	0
28.	Tag Logistics Ltd.	3939	4952
29.	TAG Offshore Ltd.	3826	1684
30.	Shipping Corporation of India Ltd.	13100	17912
31.	Tidewater (India) Pvt. Ltd.	1121	2118
32.	Varun Shipping Co. Ltd.	2655	2415
33.	Tarun Shipping & Industries Ltd.	1978	2172
34.	Visakha Geo Marine	92	0
35.	Yojaka (Ind) Pvt. Ltd.	275	290
	Total	**116076**	**132520**

Contd.

III.7 Indian Tonnage as on 31.3.2010

(Tonnes)

	Owner of the ship	Gross Registered Tonnage	Dead Weight Tonnage
	Specialised Vessels for Offshore Services		
1.	Bhambhani Shipping Pvt. Ltd.	684	933
2.	Elcome Surveys	392	469
3.	Hind Offshore Pvt. Ltd.	969	0
4.	Jaisu Shipping Co. (P) Ltd.	99	99
5.	National Institute of Ocean Technology	4862	0
6.	Natonal Institute of Oceanography, Goa	709	297
7.	Oil and Natural Gas Commission	47426	27949
8.	Procyon Offshore Services Pvt. Ltd.	405	436
9.	Raj Shipping Agencies Ltd.	715	915
10.	Reliance Industries Ltd.	2421	3104
11.	Safe & Sure Marine Pvt. Ltd.	490	826
12.	Samson Maritime	1674	1810
13.	Sealion Sparkle Maritime Services Ltd.	136	14
14.	South East Asia Marine Engg. & Construction Ltd.	11211	6135
15.	The Council of Scientific & Industrial Research	2661	800
16.	The Department of Ocean Development	4582	1605
17.	The Director General of Lighthouses & Lightships	5823	3083
18.	The Geological Survey of India	2942	2005
	Total	**88201**	**50480**
	Overseas Trade		
	Ore Oil Bulk Carriers		
1.	The Shipping Corporation of India Ltd.	94955	169257
	Total	**94955**	**169257**
	Oil Tankers (Crude Carriers)		
1.	Chambal Fertilisers & Chemicals	227714	412242
2.	Essar Shipping Ports & Logistics Ltd.	149274	281396
3.	Great Eastern Shipping Co. Ltd.	511638	915864
4.	Mercator Lines Ltd.	83594	144226
5.	Pratibha Shipping Co. Ltd.	205806	364629
6.	Peninsular Tankers Pvt. Ltd., Mumbai	8228	15037
7.	Seven Islands Shipping Ltd.	8918	14465
8.	The Shipping Corporation of India Ltd.	1773758	3219988
9.	Varun Shipping Co. Ltd.	171506	319682
	Total	**3140436**	**5687529**
	Oil Tankers (Product Carriers)		
1.	AET Tankers India Pvt. Ltd.	20378	29990
2.	ASM Shipping	18101	30990
3.	Castle Ships Pvt. Ltd.	9461	15571
4.	Great Eastern Shipping Co. Ltd.	790309	1384772
5.	Mercator Lines	443608	787343
6.	Pratibha Shipping Ltd.	45172	76881
7.	Sanmar Shipping Ltd.	88704	156009
8.	Seven Islands Shipping	33292	53387
9.	Shipping Corpn. of India Ltd.	551564	1002647
10.	SCI Forbes Ltd.	25875	39339
11.	West Asia Maritime Ltd.	6742	9928
	Total	**2033206**	**3586857**
	LPG Carriers		
1.	Great Eastern Shipping Co. Ltd.	17778	17577
2.	Shipping Corpn. of India Ltd.	35556	35202
3.	Varun Shipping Co. Ltd.	179483	224138
	Total	**232817**	**276917**

Source: Directorate General of Shipping, Mumbai.

III. 8 Share of Traffic of Petroleum Products in the Total Traffic Handled at Major Ports

(Million Tonnes)

Name of the Port	Year	Total traffic	POL traffic	POL as %age of total traffic at the port
1	2	3	4	5
Kolkata/Haldia	2001-02	30.40	14.00	46.0
	2002-03	35.80	16.47	46.0
	2003-04	41.26	20.24	49.0
	2004-05	46.21	22.01	47.6
	2005-06	53.14	22.62	42.6
	2006-07	55.05	23.24	42.2
	2007-08	57.33	22.25	38.8
	2008-09	54.05	20.31	37.6
	2009-10*	46.30	10.08	21.8
Mumbai	2001-02	26.43	15.71	59.4
	2002-03	26.80	16.03	59.8
	2003-04	30.00	18.58	61.9
	2004-05	35.19	19.40	55.1
	2005-06	44.19	27.78	62.9
	2006-07	52.36	32.17	61.4
	2007-08	57.04	37.07	65.0
	2008-09	51.88	34.87	67.2
	2009-10*	54.54	36.60	63.4
Chennai	2001-02	36.12	8.37	23.2
	2002-03	33.69	8.92	26.5
	2003-04	36.71	9.20	25.1
	2004-05	43.81	11.42	26.1
	2005-06	47.25	13.11	27.7
	2006-07	53.41	12.99	24.3
	2007-08	57.15	12.71	22.2
	2008-09	57.49	13.11	22.8
	2009-10*	61.06	13.43	22.8
Kochi	2001-02	12.06	8.59	71.2
	2002-03	13.00	9.37	72.1
	2003-04	13.57	9.96	73.4
	2004-05	14.10	10.28	72.9
	2005-06	13.89	9.64	69.4
	2006-07	15.26	10.48	68.7
	2007-08	15.81	11.30	71.5
	2008-09	15.23	10.49	68.9
	2009-10*	17.43	11.46	68.6

*Provisional.

1	2	3	4	5
Kandla	2001-02	37.73	22.71	60.2
	2002-03	40.63	23.01	56.6
	2003-04	41.52	23.63	56.9
	2004-05	41.55	22.12	53.2
	2005-06	45.91	24.29	52.9
	2006-07	52.98	29.71	56.1
	2007-08	64.92	38.23	58.9
	2008-09	72.23	45.54	63.0
	2009-10*	79.52	47.21	59.4
Visakhapatnam	2001-02	44.34	18.58	41.9
	2002-03	46.01	16.91	36.8
	2003-04	47.74	17.43	36.5
	2004-05	50.15	14.63	29.2
	2005-06	55.80	16.94	30.4
	2006-07	56.39	18.18	32.2
	2007-08	64.60	19.81	30.7
	2008-09	63.91	19.76	30.9
	2009-10*	65.5	18.29	27.92
Mormugao	2001-02	22.93	1.15	5.0
	2002-03	23.65	1.13	4.8
	2003-04	27.87	1.32	4.7
	2004-05	30.66	1.01	3.3
	2005-06	31.69	0.83	2.6
	2006-07	34.24	0.79	2.3
	2007-08	35.13	0.87	2.5
	2008-09	41.68	0.90	2.2
	2009-10*	48.85	0.96	2.0
J.N.P.T.	2001-02	22.52	1.75	7.8
	2002-03	26.84	1.89	7.0
	2003-04	31.19	1.94	6.2
	2004-05	32.81	2.46	7.5
	2005-06	37.84	2.55	6.7
	2006-07	44.82	2.63	5.9
	2007-08	55.84	2.19	3.9
	2008-09	57.28	5.37	9.4
	2009-10*	60.75	6.08	10.0
Paradip	2001-02	21.13	1.99	9.4
	2002-03	23.90	1.92	8.0
	2003-04	25.31	1.36	5.4

*Provisional.

1	2	3	4	5
	2004-05	30.10	0.84	2.8
	2005-06	33.11	0.91	2.7
	2006-07	38.52	1.38	3.6
	2007-08	42.44	1.76	4.1
	2008-09	46.41	3.24	7.0
	2009-10*	57.01	11.65	20.4
Port of Tuticorin	2001-02	13.02	0.43	3.3
	2002-03	13.29	0.49	3.7
	2003-04	13.68	0.56	4.1
	2004-05	15.81	0.74	4.7
	2005-06	17.14	0.77	4.5
	2006-07	18.00	0.74	4.1
	2007-08	21.48	0.46	2.1
	2008-09	22.01	0.50	2.3
	2009-10*	23.79	0.51	2.1
New Mangalore	2001-02	17.50	9.90	56.6
	2002-03	21.43	13.45	62.8
	2003-04	26.67	17.95	67.3
	2004-05	33.89	21.43	63.2
	2005-06	34.45	22.39	65.0
	2006-07	32.04	21.87	68.3
	2007-08	36.02	21.78	60.5
	2008-09	36.69	21.33	58.1
	2009-10*	35.53	21.34	60.1
Ennore	2001-02	3.40	0.00	0.0
	2002-03	8.49	0.00	0.0
	2003-04	9.28	0.00	0.0
	2004-05	9.48	0.10	1.1
	2005-06	9.17	0.24	2.6
	2006-07	10.71	0.19	1.8
	2007-08	11.55	0.32	2.8
	2008-09	11.50	0.36	3.1
	2009-10*	10.70	0.40	3.7
Grand Total	2001-02	287.58	103.18	35.9
	2002-03	313.53	109.59	35.0
	2003-04	344.80	122.16	35.4
	2004-05	383.75	126.44	32.9
	2005-06	423.57	142.09	33.5
	2006-07	463.78	154.34	33.3
	2007-08	519.31	168.75	32.5
	2008-09	530.36	175.78	33.1
	2009-10*	560.98	176.01	31.4

Source: Ministry of Shipping.

*Provisional

III.9 Movement of POL Traffic on Railways

Year	Tonnes Originating (TMT)	Earnings ('000' Rs.)	Average Lead (Kms)	Earnings (Paise/ Tonnes/ (Kms)	Average Freight Col 3/Col 2 (Rs/Tonne)
1	2	3	4	5	6
2001-02	35615	27456426	555	138.9	770.92
2002-03	34051	27546070	564	143.4	808.97
2003-04	32020	24283000	569	133.3	758.37
2004-05	31997	26825426	657	127.6	838.37
2005-06	33454	30693555	726	126.4	917.49
2006-07	35234	30375674	702	122.9	862.11
2007-08	35879	29364077	652	125.5	818.42
2008-09	38078	30511602	631	127.0	801.29
2009-10(P)	38884	31890095	639	128.3	820.13

P—Provisional

III.10 Rail Freight Rates in respect of Petroleum Products

(Rs./Tonne)

Effective Dates	Distance in Kilometres							
	100	300	500	800	1000	1500	2000	2500
1	2	3	4	5	6	7	8	9
01.04.2003	200.2	464.2	728.2	1124.2	1388.2	2048.2	2540.2	2900.2
01.04.2004	200.2	464.2	728.2	1124.2	1388.2	2048.2	2540.2	2900.2
01.04.2005	200.2	464.2	728.2	1124.2	1388.2	2048.2	2540.2	2900.2
01.04.2006	183.5	425.5	667.5	1030.5	1272.5	1877.5	2328.5	2658.5
01.07.2006	175.1	413.1	647.2	1007.6	1243.0	1835.0	2302.4	2615.8
01.04.2007	175.1	413.1	647.2	1007.6	1243.0	1835.0	2302.4	2615.8
01.04.2008	166.8	393.4	616.4	959.6	1183.8	1747.6	2192.8	2491.2
01.04.2009	166.8	393.4	616.4	959.6	1183.8	1747.6	2192.8	2491.2
01.04.2010	166.8	393.4	616.4	959.6	1183.8	1747.6	2192.8	2491.2

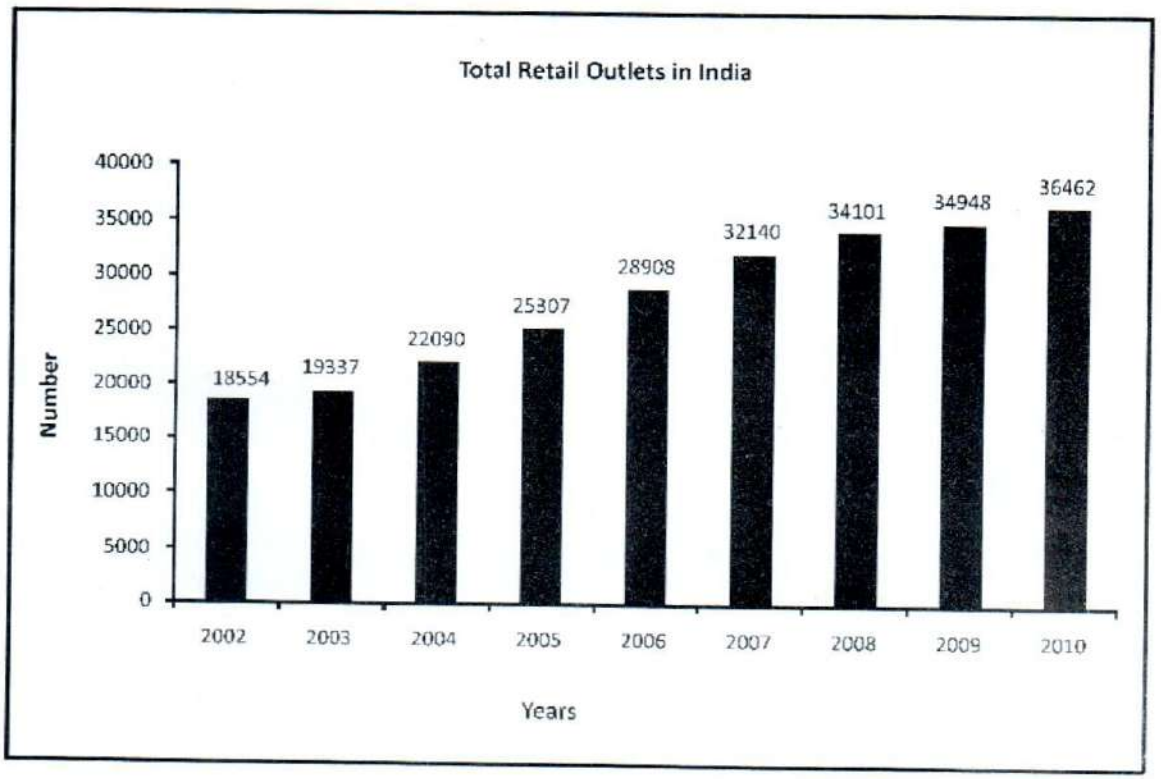
Source : Railway Board.

III.11 Total Retail Outlets in India

(Number)

Year	Retail Outlets*	BPCL	HPCL	IOC	AOC/ AOD	IBP	TOTAL
1	2	3	4	5	6	7	8
2002	Nos.	4610	4642	7433	318	1551	18554
	%	24.8	25.0	40.1	1.7	8.4	100.0
2003	Nos.	4772	4799	7635	323	1808	19337
	%	24.7	24.8	39.5	1.7	9.3	100.0
2004	Nos.	5274	5204	8762	326	2524	22090
	%	23.9	23.6	39.7	1.5	11.4	100.0
2005	Nos.	6016	6295	9882	#	3114	25307
	%	23.8	24.9	39.0		12.3	100.0
2006	Nos.	7321	7026	11149	#	3412	28908
	%	25.3	24.3	38.6		11.8	100.0
2007	Nos.	7800	7909	12841	#	3590	32140
	%	24.3	24.6	40.0		11.2	100.0
2008	Nos.	8238	8329	17534	#	#	34101
	%	24.2	24.4	51.4			100.0
2009	Nos.	8389	8419	18140	#	#	34948
	%	24.0	24.1	51.9			100.0
2010	Nos.	8692	9127	18643	#	#	36462
	%	23.8	25.0	51.1			100.0

Note: #: Included in IOC.
* As on 1st January upto 2006 & 1st April from 2007 & onwards.



III.12 State-wise Number of Retail Outlets, LDO/SKO Dealers and LPG Distributors

(Number)

State/UT	As on 1.4.2010		
	Retail Outlets	LDO/SKO Dealers	LPG Distributors
1	2	3	4
States			
Andhra Pradesh	3069	603	953
Arunachal Pradesh	48	33	30
Assam	549	361	257
Bihar	1549	374	337
Chhattisgarh	546	109	154
Delhi	407	116	314
Goa	96	21	53
Gujarat	1837	497	553
Haryana	1606	148	291
Himachal Pradesh	302	26	126
Jammu & Kashmir	386	47	156
Jharkhand	702	86	147
Karnataka	2382	325	493
Kerala	1668	243	388
Madhya Pradesh	1756	281	572
Maharashtra	3304	775	1028
Manipur	57	36	35
Meghalaya	129	35	32
Mizoram	24	19	27
Nagaland	47	19	29
Orissa	969	179	195
Punjab	2708	244	438
Rajasthan	2416	253	452
Sikkim	28	12	8
Tamil Nadu	3118	465	696
Tripura	42	40	30
Uttar Pradesh	4395	699	1185
Uttaranchal	382	72	171
West Bengal	1737	469	482
Union Territories			
Andaman & Nicobar	9	1	4
Chandigarh	40	12	28
Dadra & Nagar Haveli	13	2	2
Daman & Diu	19	5	2
Lakshadweep	0	0	1
Pondicherry	122	8	17
Grand Total	**36462**	**6615**	**9686**

Source: Public Sector Undertakings.

III.13 State-wise and Company-wise Retail Outlets

(Number)

State/UT	As on 1.4.2010			
	IOCL/ AOD	HPCL	BPCL	TOTAL (Col.2-4)
1	2	3	4	5
States				
Andhra Pradesh	1439	881	749	3069
Arunachal Pradesh	47	0	1	48
Assam	463	61	25	549
Bihar	960	260	329	1549
Chhattisgarh	232	156	158	546
Delhi	202	97	108	407
Goa	22	33	41	96
Gujarat	941	442	454	1837
Haryana	947	390	269	1606
Himachal Pradesh	173	77	52	302
Jammu & Kashmir	184	106	96	386
Jharkhand	355	184	163	702
Karnataka	1203	625	554	2382
Kerala	761	507	400	1668
Madhya Pradesh	835	413	508	1756
Maharashtra	1289	938	1077	3304
Manipur	55	0	2	57
Meghalaya	104	18	7	129
Miazoram	21	3	0	24
Nagaland	42	2	3	47
Orissa	522	190	257	969
Punjab	1466	683	559	2708
Rajasthan	1154	697	565	2416
Sikkim	13	3	12	28
Tamil Nadu	1481	807	830	3118
Tripura	42	0	0	42
Uttar Pradesh	2453	1000	942	4395
Uttaranchal	200	104	78	382
West Bengal	925	393	419	1737
Union Territories				
Andaman & Nicobar	9	0	0	9
Chandigarh	19	11	10	40
Dadra & Nagar Haveli	8	4	1	13
Daman & Diu	10	6	3	19
Lakshadweep	0	0	0	0
Pondicherry	66	36	20	122
Grand Total	**18643**	**9127**	**8692**	**36462**

Source: Public Sector Undertakings.

III.14 State-wise and Company-wise LPG Domestic Consumers

('000' Number)

State/UT	As on 1.4.2010			
	IOCL/ AOD	HPCL	BPCL	TOTAL (Col.2-4)
1	2	3	4	5
States				
Andhra Pradesh	4757	5396	2583	12736
Arunachal Pradesh	146	0	0	146
Assam	2072	33	79	2184
Bihar	1988	478	452	2918
Chhattisgarh	624	384	184	1192
Delhi	2828	630	971	4429
Goa	11	269	156	436
Gujarat	3240	1258	1378	5876
Haryana	1775	724	1146	3645
Himachal Pradesh	1128	159	83	1370
Jammu & Kashmir	431	924	142	1497
Jharkhand	893	220	143	1256
Karnataka	2959	2216	1616	6791
Kerala	3442	960	1815	6218
Madhya Pradesh	2414	1330	960	4704
Maharashtra	1758	6288	6606	14652
Manipur	240	0	0	240
Meghalaya	117	0	0	117
Mizoram	213	0	0	213
Nagaland	155	0	0	155
Orissa	634	698	316	1648
Punjab	3127	1005	1189	5321
Rajasthan	2167	1315	1383	4865
Sikkim	130	0	0	130
Tamil Nadu	7203	1582	2951	11736
Tripura	260	0	0	260
Uttar Pradesh	7115	1704	3006	11826
Uttaranchal	1366	103	203	1673
West Bengal	3797	1289	819	5905
Union Territories				
Andaman & Nicobar	68	0	0	68
Chandigarh	227	78	47	352
Dadra & Nagar Haveli	0	44	0	44
Daman & Diu	0	31	17	49
Lakshadweep	3	0	0	3
Pondicherry	132	99	65	297
Grand Total	**57420**	**29218**	**28313**	**114952**

Source: Public Sector Undertakings.

III.15 Compressed Natural Gas (CNG) Activities in India (as on 1.4.2010)

Item	Delhi	Maharashtra			Gujarat					Uttar Pradesh				Andhra Pradesh	Tripura	Madhya Pradesh			Total	Grand
	Delhi	#	Pune	Panvel	Vado-dara	Surat	Ankle-shwar	Noida/ Greater Noida	Ghazi-abad	Luck-now	Agra	Kan-pur	Ba-reilly	Vijay-wada	Agar-tala	Indore	Ujjain	Dewas		Total
	IGL	MGL	MNGL	GAIL Gas	GAIL	GGCL	GGCL	IGL	IGL	GAIL GGL	GAIL GGL	GAIL CUGL	GAIL CUGL	Gail BGL	GAIL TNGCL	GAIL AGL	GAIL AGL	GAIL: Gas		
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*	*14*	*15*	*16*	*18#*	*19*	*20*	*21*	*22*	*23*
Station Type																					
Mother	77	10	3	0	2	3	1	6	-	2	1	1	1	1	0	0	1	0	1	20	110
Online	55	120	0	0	0	22	3	1	-	1	0	7	0	0	0	1	0	0	0	35	210
Daughter Booster	43	14	10	0	2	3	1	3	2	3	2	0	0	5	4	0	0	0	0	25	92
Daughter	1	0	0	1	0	0	0	0	-	0	0	0	0	0	0	0	4	1	0	6	7
Total	**176**	**144**	**13**	**1**	**4**	**28**	**5**	**10**	**2**	**6**	**3**	**8**	**1**	**6**	**4**	**1**	**5**	**1**	**1**	**86**	**419**
No. of Vehicles																					
Cars/Taxis	217259	59739	473	0	774	51989	6090	-	-	482	170	513	$	774	$$	85	1175	$$$	2	62054	339525
Autos	107299	137003	6510	0	3412	45512	8213	-	-	6672	6037	10440	$	4700	$$	1405	7830	$$$	12	94233	345045
LCV/RTVs	5888	1942	0	0	0	0	0	-	-	0	0	0	$	0	$$	0	0	$$$	7	7	7837
Buses	13900	2901	85	0	181	551	62	-	-	549	444	667	$	125	$$	0	40	$$$	0	2619	19505
Others/Phatphat	522	1102	0	0	0	2622	146	-	-	77	0	105	$	27	$$	0	0	$$$	0	2977	4601
Total	**344868**	**202687**	**7068**	**0**	**4367**	**100674**	**14511**	**-**	**-**	**7780**	**6651**	**11725**	**$**	**5626**	**$$**	**1490**	**9045**	**$$$**	**21**	**161890**	**716513**
Price (Rs./Kg)	21.70	24.65	28	34.9	27.33	29.96	29.96	23.50	25.50	31.00	35.00	30.50	30.50	25.00	35.00	22.15	32.00	33.00	32.00		
Average Consumption																					
TDP	1484.00	944.00	19.00	0.08	27.00	175.36	28.29	62.90		46.00	24.00	51.00	$	7.00	15.00	4.00	13.00	$$$	1.00		
MMSCMD	2.00	1.32	0.030		0.04	0.25	0.04	0.08		0.07	0.03	0.08	$	0.01	0.02	0.01	0.02	$$$			

Notes: #Mumbai. MMSCMD: Million Standard Cubic Metres Per Day $: Included in Kanpur $$: Included in Vijaywada $$$Included in Indore

Conversion Factors:

1. IGL: Intraprastha Gas Ltd. 1 Kg = 1.313 SCM of gas
2. MGL: Mahanagar Gas Ltd. 1 Kg = 1.44SCM of gas
3. GGCL: Gujarat Gas Company Ltd. 1 Kg = 1.45SCM of gas

Source: Gas Authority of India Limited

III.16 Introduction to Green Fuels in India

Product	Effective Date	Areas Covered
MS(BS-II)	1st April, 2005	All over India, excluding 11 cities mentioned above.
HSD (BS-II)	1st April 2005	In all States of India excluding Rajasthan, West U.P., Uttranchal, M.P., Punjab, H.P. J&K and UT of Chandigarh.
HSD (BS-II)	1st June 2005	in the State of Rajasthan
HSD (BS-II)	1st July 2005	In the States of West U.P. and Uttaranchal
HSD (BS-II)	1st Sep. 2005	In the State of M.P.
HSD (BS-II)	1st Sept. 2005	In the States of M.P., H.P. and UT of Chandigarh.
HSD (BS-II)	1st Oct, 2005	In the States of Punjab and J&K
MS (Euro-III)	1st April 2005	11 cities (Delhi/NCR, Mumbai, Kolkata, Chennai, Bangalore, Hyderabad, Ahmedabad, Pune, Surat, Kanpur & Agra).
	1st June 2005	Lucknow & Solapur
HSD(Euro-III)	1st April 2005	11 cities (Delhi/NCR, Mumbai, Kolkata, Chennai, Bangalore, Hyderabad, Ahmedabad, Pune, Surat, Kanpur & Agra).
	1st June 2005	Lucknow & Solapur
Bio Diesel	1st Jan., 2006	The 20 purchase centres have been nominated: A.P. (Ghatkesor), Chandigarh (Mandirhasaud), Delhi (Bijwasan), Gujarat (Kandla), Haryana (Rewari), Karnataka (Devenagunthi & Mangalore), Madhya Pradesh (Mangliagaon), Maharashtra (Loni, Manmad, Barkhedi & Vashi), Punjab (Bhatinda), Rajasthan (Sanganer & Salawas), Tamil Nadu (Karukkupet, Narimanam & Karur) & U.P. (Panki & Amousi)
Ethanol Blended Petrol (EBP)	**20.09.2006***	20 States: A.P., Bihar, Chhattisgarh, Delhi, Goa, Gujarat, Haryana, H.P., Jharkhand, Karnataka, Kerala, M.P., Maharashtra, Orissa, Punjab, Rajasthan, T.N., Uttrakhand, U.P. & West Bengal and 4UTs: Chandigarh, Daman & Diu, Daddar & Nagar Haveli & Pondicherry.
MS(BS-IV)	1st April 2010	Goa
	1st June 2010	Chhattisgarh, Madhya Pradesh, Maharashtra
	1st July 2010	Haryana, Himachal Pradesh, Punjab, Rajasthan, Chandigarh, Uttranchal, Western UP, Andaman & Nicobar, Orissa, Sikkim, WB, Gujarat, AP, TN, & Pondicherry.
	1st July, 2010	Jammu & Kashmir**
	1st August, 2010	Karnataka
	1st October, 2010	Eastern UP, Bihar & Jharkhand
	1st October, 2010	Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland Tripura & Kerala.
HSD(BS-IV)	1st April 2010	Goa
	1st June 2010	Chattisgarh, Madhya Pradesh, Maharashtra
	1st July 2010	Haryana, Himachal Pradesh, Punjab, Rajasthan, Chandigarh, Uttranchal, Western UP, Andaman & Nicobar, Orissa, Sikkim, WB, Gujarat, AP, TN, & Pondicherry.
	1st July, 2010	Jammu & Kashmir**
	1st August, 2010	Karnataka
	1st July, 2010	Eastern UP, Bihar & Jharkhand
	1st October, 2010	Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland Tripura & Kerala.

Note:* Vide Notification No. GSR-580(E) dated 20-09-2006 MoP&NG decided to introduce Ethanol Blended Petrol (EBP) in 20 States and 4 UTs subject to commercial viability

** Supplies to Leh, Ladakh, Kargil & some parts of Kashmir, which are open only during May to September of the Year,conversion would be possible only from 1.10.2010, as *replenishments* to these areas can starts only from mid May, 2010.

Source: Petroleum Planning & Analysis Cell.

Prices

Prices

IV. 3(b) Consumer and Producer Prices of Natural Gas

(Rs./00' cubic metre)

Effective Date	Consumer Prices		Transportation charges along HVJ pipeline	Producer Prices			Calorific Value
	Off-shore (Landfall point and On-shore)	For North-Eastern States		ONGC	ONGC (NE states)	OIL (NE states)	(K. Cal/SCM)
1	2	3	4	5	6	7	8
01.04.2004	2850	1700	1150	2137	1700	1900	10000
01.07.2004	2850	1700	1150	2176	1700	1900	10000
01.09.2004	2850	1700	1150	2194	1700	1900	10000
01.10.2004	2850	1700	1150	2120	1700	1900	10000
01.01.2005	2850	1700	1150	2143	1700	1900	10000
01.04.2005	2850	1700	1150	2384	1700	1900	10000
01.07.2005	3200	1920	1150	3168	1920	3168	10000
01.10.2005	3200	1920	1150	3137	1920	3137	10000
01.01.2006	3200	1920	1150	3118	1920	3118	10000
01.04.2006	3200	1920	1150	3200	1920	3200	10000
01.04.2007	3200	1920	1150	3200	1920	3200	10000
01.04.2008	3200	1920	1019	3200	1920	3200	10000
01.07.2008	3200	1920	1015	3200	1920	3200	10000
01.10.2008	3200	1920	1046	3200	1920	3200	10000
01.01.2009	3200	1920	1069	3200	1920	3200	10000
01.04.2009	3200	1920	1069	3200	1920	3200	10000

Notes:

1. The consumer prices are exclusive of Royalty, Sales Tax and other Statutory Levies. Producer prices are exclusive of Royalty.
2. W.e.f. 6.6.2006, price of natural gas has been revised to Rs. 3840/MSCM having allocation upto 0.05 MMSC and city gas distribution projects *vide* order dated 5.6.2006.

Source : Petroleum Planning & Analysis Cell.

IV.4 Subsidies provided under Budget of Government of India

Sector	Actuals 2001-02	Actuals 2002-03	Actuals 2003-04	Actuals 2004-05	Actuals 2005-06	Actuals 2006-07	Actuals 2007-08	Actuals* 2008-09	Revised 2009-10	Budget 2010-11
1	2	3	4	5	6	7	8	9	10	11
				(Rs. in Crore)						
1.Food Subsidy	17612	24200	25181	25798	23077	24014	31328	43751	56002	55578
2. Fertilisers										
(i) Indigenous (Urea) Fertiliser	7370	7499	8521	10243	10653	12650	12950	17969	14080	15981
(ii) Imported (Urea) Fertilisers	59	10	0	494	1211	3274	6606	10079	3948	5500
(iii) Sale of decontrolled fertiliser with concession to Farme	4545	3500	3326	5142	6596	10298	12934	48555	34952	28500
Total Fertiliser Subsidy	11944	11009	11847	15879	18460	26222	32490	76603	52980	49981
3. Petroleum Subsidy	...	6265	6351	2956	2683	2699	2820	2852	14954	3108
4. Interest Subsidies	210	765	170	564	2177	2809	2311	3493	2719	4416
5. Grants to NAFED for MIS/PPS			156	120	260	560	860	375	850	425
6. Other Subsidies	757	2379	618	640	865	821	1117	2634	3520	2716
Total Subsidies	30523	44618	44323	45957	47522	57125	70926	129708	131025	116224
				Percentages						
1. Food Subsidy	57.70	54.24	56.81	56.14	48.56	42.04	44.17	33.73	42.74	47.82
2. Fertilisers										
(i) Indigenous (Urea) Fertiliser	24.15	16.81	19.22	22.29	22.42	22.14	18.26	13.85	10.75	13.75
(ii) Imported (Urea) Fertilisers	0.19	0.02	0.00	1.07	2.55	5.73	9.31	7.77	3.01	4.73
(iii) Sale of decontrolled fertiliser with concession to Farme	14.79	7.84	7.50	11.19	13.88	18.03	18.24	37.43	26.68	24.52
Total Fertiser Subsidy	39.13	24.67	26.73	34.55	38.85	45.90	45.81	59.06	40.44	43.00
3. Petroleum Subsidy		14.04	14.33	6.43	5.65	4.72	3.98	2.20	11.41	2.67
4. Interest Subsidies	0.69	1.71	0.38	1.23	4.58	4.92	3.26	2.69	2.08	3.80
5. Other Subsidies	2.48	5.33	1.39	1.39	1.82	1.44	1.57	2.03	2.69	2.34
Total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

Note: Subsidy under Petroleum is for domestic LPG, PDS Kerosene, freight subsidy for far flung areas and other compensation. The Subsidy excludes Oil Bonds issued by the Government to IOCL, BPCI & HPCL under realization for markeing of sensitive petro products.

* Actuals of 2008-09 are provisional.

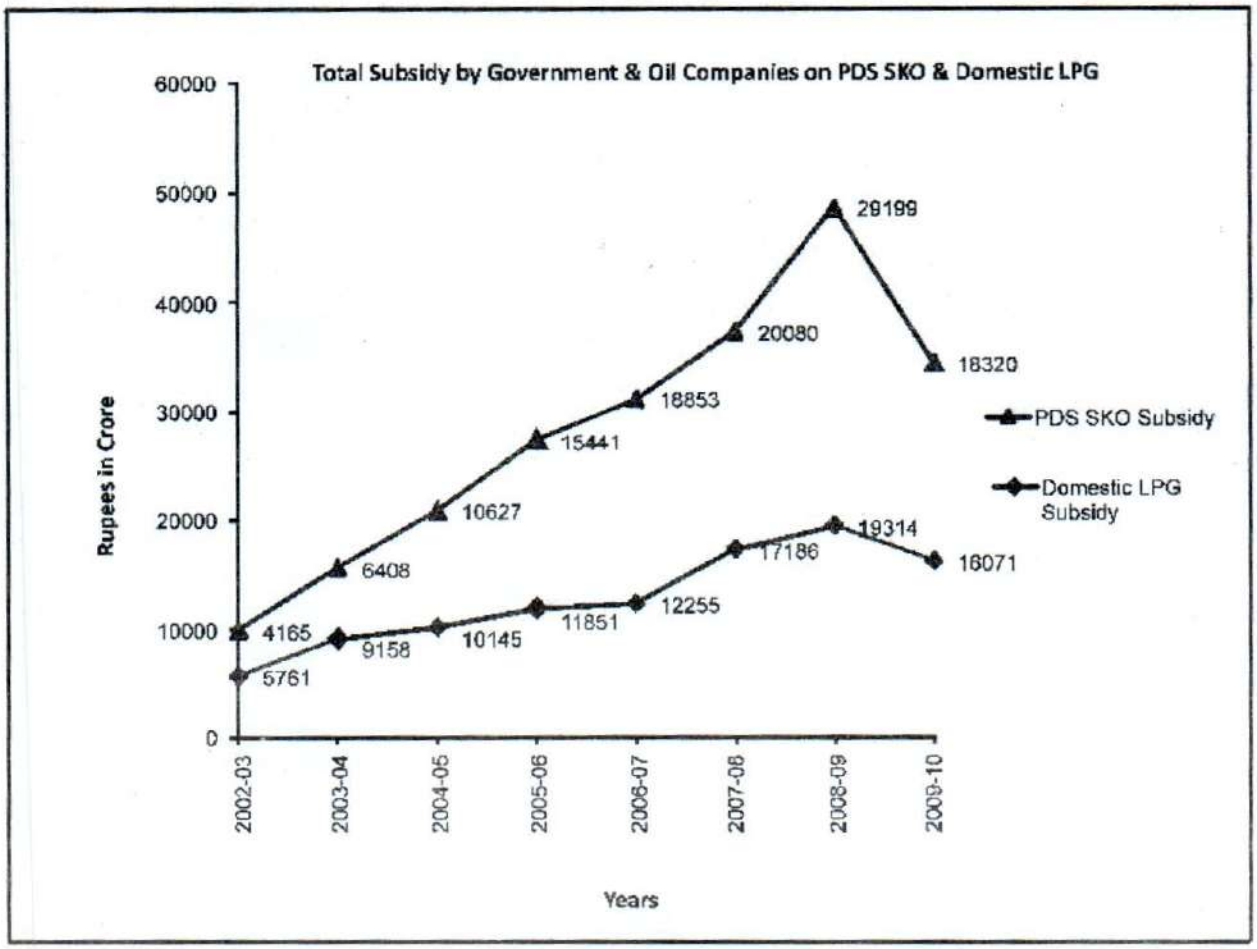
Sources : Expenditure Budget 2010-11 (Vol.-I)

IV.5 Subsidy Provided by the Government and Oil Companies on PDS SKO & Domestic LPG

(Rs. in Crore)

Years	PDS SKO			Domestic LPG			Total Subsidy
	Fiscal Subsidy	By Oil Companies	Total	Fiscal Subsidy	by Oil Companies	Total	
1	2	3	4	5	6	7	8
2002-03	2098	2067	4165	2398	3363	5761	9926
2003-04	2657	3751	6408	3635	5523	9158	15566
2004-05	1147	9480	10627	1783	8362	10145	20772
2005-06	1057	14384	15441	1605	10246	11851	27292
2006-07	970	17883	18853	1554	10701	12255	31108
2007-08	978	19102	20080	1663	15523	17186	37266
2008-09	974	28225	29199	1714	17600	19314	48513
2009-10	956	17364	18320	1814	14257	16071	34391
Total	**10837**	**112256**	**123093**	**16166**	**85575**	**101741**	**224834**

Source : Budget document and Petroleum Planning & Analysis Cell.



IV.6 Price Build-up of Selected Petroleum Products in Major Cities

(As on 1.4.2010)

	Delhi	Kolkata	Mumbai	Chennai
Liquefied Petroleum Gas (Domestic) (Rs./14.2 Kg Cyl)				
Ex-Storage Price	255.55	255.55	255.55	255.55
State surcharge	0.03	3.86	4.08.	7.01
Freight upto bottling plant	1.42	2.27	0.00	0.00
Price adj factor	21.43	22.27	21.88	10.16
Assessable value	**278.43**	**283.95**	**281.50**	**272.72**
Price at bottling plant	**278.43**	**283.95**	**281.50**	**272.72**
State Subsidy	0.00	0.00	0.00	0.00
Freight/local delivery charges	10.00	10.00	10.00	10.00
Price including octroi	**288.43**	**293.95**	**291.50**	**282.72**
Central sales tax/sales tax	0.00	11.76	0.00	11.31
Surcharge on ST/Toll Tax	0.00	0.00	0.00	0.00
Billable rate	**288.43**	**305.71**	**291.50**	**294.03**
Price to dealer (14.2 kg/cyl)	288.42	305.89	291.50	294.03
Distributor commission	21.94	21.94	21.94	21.94
VAT	0.00	0.88	0.00	0.00
Price after Distributor Commission	310.36	327.83	313.44	315.97
RSP for 14.2 kg/cyl	310.36	328.70	313.44	315.97
RSP Rounded off	310.40	328.70	313.45	315.95
Motor Spirit (Rs./Kl)				
Revised ex-storage point price	23792.07	23792.07	23792.07	23792.07
State surcharge	4.00	605.00	276.00	795.00
BMC Surcharge	0.00	0.00	859.00	0.00
Siding Charge w.e.f. 19.7.07	63.78	75.34	0.00	0.00
Rly/Ocean/Freight	91.96	144.73	0.00	0.00
RPO Surcharge	36.00	36.00	36.00	36.00
RPO Charge	4.36	4.36	4.36	4.36
Price adj factor	0.00	84.79	(53.01)	(218.86)
Assessable value	**23992.17**	**24742.29**	**24914.42**	**24408.57**
Basic Excise Duty	0.00	0.00	0.00	0.00
ADE+SADE	23992.17	24742.29	24914.42	24408.57
Sub Total	**47984.34**	**49484.58**	**49828.84**	**48817.14**
FDZ Charges	44.00	44.00	44.00	44.00
Basic Excise Duty	0.00	0.00	0.00	0.00
EDN Cess	14780.50	14780.50	14780.50	14780.50
Sub Total	**62808.84**	**64309.08**	**64653.34**	**63641.64**
Delivery charges beyond FDZ	0.00	49.20	0.00	0.00
Toll Tax	0.00	16.00	0.00	0.00
RPO Price	38816.67	39631.99	39738.92	39233.07
Sales Tax	7988.33	9908.00	10332.12	11769.92
Surcharge on ST	0.00	1000.00	1000.00	0.00

	Delhi	Kolkata	Mumbai	Chennai
Dealer Commission	1125.00	1125.00	1125.00	1125.00
Retail Selling Price Rs./Kl	**47930.00**	**51664.99**	**52196.04**	**52127.99**
Retail Selling Price Rs./Ltr	**47.93**	**51.67**	**52.20**	**52.13**
		High Speed Diesel (Rs./Kl)		
Revised Storage Point Price	25847.52	25847.52	25847.52	25847.52
State surcharge	2.00	300.00	137.00	120.00
BMC surcharge	0.00	0.00	299.00	0.00
Siding Charge *w.e.f.* 19.7.07	71.53	85.70	0.00	0.00
Rly/Ocean/Freight	102.68	162.19	0.00	0.00
RPO surcharge	21.00	21.00	21.00	21.00
RPO charge (excisable)	0.27	0.27	0.27	0.27
PAF	0.00	18.14	22.33	3.52
Assessable value	**26045.00**	**26434.82**	**26327.12**	**25992.31**
Basic Excise Duty	0.00	0.00	0.00	0.00
Sub Total	**26045.00**	**26434.82**	**26327.12**	**25992.31**
FDZ charges	44.00	44.00	44.00	44.00
Additional Excise Duty	0.00	0.00	0.00	0.00
Basic Excise Duty	0.00	0.00	0.00	0.00
Edn Cess	4738.00	4738.00	4738.00	4738.00
Sub Total	**30827.00**	**31216.82**	**31109.12**	**30774.31**
Delivery charges beyond FDZ	0.00	49.20	0.00	0.00
Octroi at destination	0.00	16.00	0.00	0.00
RPO Price	30827.00	31282.02	31109.12	30774.31
Pollution Cess w.e.f. 8.2.08	250.00	0.00	0.00	0.00
Sales Tax	6350.00	5027.94	8088.37	6594.93
Surcharge on ST	0.00	1000.00	0.00	0.00
Dealer Commission	673.00	673.00	673.00	673.00
Retail Selling Price Rs./Kl	**38100.00**	**37982.96**	**39870.49**	**38042.24**
Retail Selling Price Rs./Ltr	**38.10**	**37.98**	**39.87**	**38.04**
		Superior Kerosene Oil (Rs./Kl)		
Revised Ex-storage point price	7967.00	7967.00	7967.00	7967.00
State surcharge	0.00	62.00	4.00	113.00
BMC surcharge	0.00	0.00	62.00	0.00
Siding charges	20.57	0.00	0.00	0.00
Rly/PL/Ocean/Freight	100.01	19.37	0.00	0.00
Assessable value	**8087.58**	**8048.37**	**8033.00**	**8080.00**
Entry tax amount/TN rebate	0.00	0.00	0.00	(576.00)
Sales Tax	404.38	355.85	321.32	300.16
Wholesales Margin	263.00	255.00	263.00	143.00
Transport charges	348.78	408.30	254.10	97.84
VAT on wholesale Margin	30.59	0.00	21.76	0.00
Wholesales Price/Kl	**9134.33**	**9067.52**	**8893.18**	**8045.00**
Retailers Margin	179.00	260.00	231.00	360.00
Handling Charges	0.00	0.00	0.00	0.00

	Delhi	Kolkata	Mumbai	Chennai
Retailer Transportation	0.00	295.18	10.00	0.00
VAT on wholesale margin	8.95	0.00	0.00	0.00
Retail Extraordinary Commission	0.00	0.00	0.00	0.00
Retail Selling Price Rs./Kl	**9322.28**	**9622.70**	**9134.18**	**8405.00**
Retail Selling Price Rs./Ltr	**9.32**	**9.62**	**9.13**	**8.41**
		ATF (Domestic Airlines)		
Basic price	27390.00	27830.00	27470.00	27690.00
Inland differential	570.00	0.00	0.00	0.00
State surcharge	2.00	3070.00	590.00	1032.00
Freight	333.40	680.38	100.00	150.97
Siding charges	38.15	0.00	0.00	0.00
Marketing cost	2870.00	4613.00	2760.00	3224.00
MSL cost	240.00	240.00	240.00	240.00
Assessable value	**31443.55**	**36433.38**	**31160.00**	**32336.97**
Excise Duty	2515.48	2914.67	2492.80	2586.96
Education Cess @3% on ED	75.46	87.44	74.78	77.61
Toll Tax	0.00	0.00	0.00	0.00
Posted airfield price per KL	**34034.50**	**39435.49**	**33727.58**	**35001.54**
Salex Tax	0.00	0.00	0.00	0.00
Final Selling Price Per KL	**43034.50**	**39435.49**	**33727.58**	**35001.54**
		Furnace Oil (Rs./Kl)		
Ex-storage point price		25660.00	25100.00	25480.00
State surcharge		105.00	191.60	375.00
National railway freight		417.15	0.00	0.00
Siding/shunting charges		0.00	0.00	0.00
Assessable value		26182.15	25291.60	25855.00
Excise duty+edu cess		3775.47	3647.05	3728.29
Total inclusive of excise duty+edu cess		**29957.62**	**28938.65**	**29583.29**
Salex tax		1198.30	3617.33	1183.33
Total		**31155.92**	**32555.98**	**30766.62**
		Light Diesel Oil (Rs./Kl)		
Ex-storage point price	33120.00	33120.00	33120.00	33120.00
State surcharge	25.00	1070.00	821.28	455.00
National railway freight	256.11	1136.26	0.00	0.00
Siding Dest.	41.62	97.50	0.00	0.00
Assessable value	**33442.73**	**35423.76**	**33941.28**	**33575.00**
Excise duty+edu cess	4822.44	5708.11	4894.33	4841.52
Additional levy alongwith cess	2575.00	2575.00	2575.00	2575.00
Total inclusive of excise duty+edu cess:	**40840.17**	**43706.87**	**41410.61**	**40991.52**
Sales tax	5105.02	7328.17	5176.33	10247.88
Discount on Sales Tax	0.00	(290.00)	0.00	0.00
State Development Tax	250.00	0.00	0.00	0.00
Total	**46195.19**	**50745.04**	**46586.94**	**51239.40**

Note: Selling price for Superior Kerosene Oil is for Public Distribution System(PDS).

IV.7 Trends in Retail Selling Prices of Selected Petroleum Products in Metropolitan Towns in India

Price as on	Mumbai	Kolkata	Delhi	Chennai
		Motor Spirit (Rs./Litre)		
01.04.2001	31.73	29.03	28.75	30.38
01.04.2002	30.78	26.99	26.54	28.49
01.04.2003	38.59	35.00	33.49	36.56
01.04.2004	38.83	36.61	33.71	36.79
01.04.2005	43.23	40.89	37.99	41.25
01.04.2006	49.16	46.90	43.49	47.49
01.04.2007	48.41	46.90	42.85	47.48
01.04.2008	50.51	48.95	45.52	49.61
01.04.2009	44.55	44.05	40.62	44.24
01.04.2010	52.20	51.67	47.93	52.13
		High Speed Diesel Oil (Rs./Litre)		
01.04.2001	20.07	16.92	17.06	18.01
01.04.2002	21.10	16.97	16.60	1810
01.04.2003	27.88	23.51	22.11	24.65
01.04.2004	27.43	23.99	21.73	24.23
01.04.2005	32.83	28.72	28.22	29.30
01.04.2006	37.57	32.87	30.45	33.72
01.04.2007	34.96	32.88	30.25	33.31
01.04.2008	36.08	33.92	31.76	34.40
01.04.2009	34.45	32.92	30.86	32.82
01.04.2010	39.87	37.98	38.10	38.04
		Superior Kerosene Oil (Rs./Litre)*		
01.04.2001	7.57	7.76	7.35	7.00
01.04.2002	9.01	9.27	8.98	8.40
01.04.2003	9.26	9.30	9.01	8.40
01.04.2004	9.26	9.30	9.01	8.40
01.04.2005	9.28	9.26	9.02	8.39
01.04.2006	9.05	9.30	9.05	8.39
01.04.2007	9.05	9.29	9.09	8,39
01.04.2008	9.10	9.30	9.09	8.39
01.04.2009	9.10	9.75	9.22	8.39
01.04.2010	9.13	9.62	9.32	8.41
		Liquefied Petroleum Gas (Rs./14.2 Kg Cylinder)		
01.04.2001	225.20	245.65	222.25	228.65
01.04.2002	244.95	265.55	240.45	247.40
01.04.2003	250.61	266.30	241.21	248.17
01.04.2004	251.00	266.70	241.60	248.55
01.04.2005	297.95	300.50	294.75	288.15
01.04.2006	297.95	300.50	294.75	288.15
01.04.2007	298.00	300.50	294.75	288.10
01.04.2008	298.00	300.50	294.75	288.10
01.04.2009	312.05	327.25	279.70	314.55
01.04.2010	313.44	328.70	310.36	315.97

*Prices for Public Distribution System.

IV.8 Rates of Dealers' Commission for MS, HSDO and LPG in India

Effective date	MS (Rs./Kl)	HSD (Rs./Kl)	LPG(Rs./Cylinder)	
			5Kg	14.2Kg
10.11.2001	613	365	—	15.55
01.11.2002	639	385	8.40	16.33
01.10.2003	639	385	8.60	16.71
01.04.2004	707	425	8.60	16.71
01.08.2005	848	509	8.60	16.71
01.03.2007	894	529	9.81	19.05
14.05.2007	1024	600	9.81	19.05
23.05.2008	1052	631	9.81	19.05
04.06.2008	1052	631	10.58	20.54
31.03.2010	1125	673	11.30	21.94

Note: 1. For dealers on DD an amount of Rs. 58/Kl for MS & Rs. 34/Kl for HSD shall be paid additionally. For dealers on pay order/bank Cheque an amount of Rs. 29/Kl for MS and Rs. 17/Kl for HSD shall be paid additionally.

2. Licence fee recovery may be recovered for 'A' site @Rs.43/Kl and Rs. 36/Kl and for 'B' site @Rs.13/Kl and @Rs.11/Kl for MS and HSD respectively.

Consumption

Consumption

V.1 (b) Product-wise Consumption of Petroleum Products

(Financial Year)

(000' Tonne)

Products	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10*	%Growth 2009-10/ 2008-09
1	2	3	4	5	6	7	8	9	10
1 **Light Distillates of which**	**31755**	**34335**	**35204**	**33662**	**37076**	**38556**	**39878**	**39086**	**3.4**
LPG	8351	9305	10245	10456	10849	12165	12344	13121	**1.5**
Motor Spirit	7570	7897	8251	8647	9285	10332	11258	12818	**9.0**
Naphtha+NGL	11961	11868	13993	12194	13886	13294	13911	10239	**4.6**
Others	3873	5265	2715	2365	3055	2766	2365	2908	**-14.5**
2 **Middle Distillates of which**	**52065**	**52023**	**53906**	**54423**	**57595**	**62823**	**66378**	**71198**	**5.7**
SKO	10405	10230	9395	9541	9505	9365	9303	9304	**-0.7**
ATF	2269	2484	2811	3296	3983	4543	4423	4627	**-2.6**
HSDO	36644	37074	39651	40191	42896	47669	51710	56320	**8.5**
LDO	2063	1619	1476	883	720	667	552	457	**-17.2**
Others	684	616	573	512	491	579	390	490	**-32.6**
3 **Heavy Ends of which**	**20306**	**21393**	**22524**	**25129**	**26078**	**27567**	**27343**	**27911**	**-0.8**
Furnace Oil	8027	8312	9136	8921	9257	9469	9419	9105	**-0.5**
LSHS	4711	4633	4404	3907	3361	3248	3169	2484	**-2.4**
Lubes/Greases	1250	1427	1347	2081	1900	2290	2000	2657	**-12.7**
Bitumen	2986	3373	3337	3508	3833	4506	4747	4919	**5.3**
Petroleum Coke	2563	2877	3129	4928	5441	5950	6166	6750	**3.6**
Paraffin Wax	41	41	60	268	303	241	203	211	**-15.8**
Other Waxes	13	20	20	105	64	65	65	78	**0.0**
Others	715	710	1090	1411	1919	1799	1574	1707	**-12.5**
TOTAL	**104126**	**107751**	**111634**	**113213**	**120749**	**128946**	**133599**	**138196**	**3.6**
Refinery Boiler Fuel	7650	8240	8537	9141	10920	11751	11912	11607	**1.4**
Grand Total	**111776**	**115991**	**120171**	**122354**	**131669**	**140697**	**145511**	**149803**	**3.4**
%age growth	**3.8**	**3.8**	**3.6**	**1.8**	**7.6**	**6.9**	**3.4**	**2.9**	

*Provisional and not included data in respect of RIL SEZ Refinery as it is presumed that all products have been exported and not consumed domestically.

Notes: Consumption data includes private sales & Private imports also.

Source: Petroleum Planning & Analysis Cell.

V.1(c) Product-wise Consumption of Petroleum Products by Public & Private Sector

(000' Tonnes)

Products	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10*	%Change 2009-10/ 2008-09
1	2	3	4	5	6	7	8	9
				A. PUBLIC SECTOR				
1 **Light Distillates**	**25002**	**25317**	**24008**	**25350**	**26695**	**28943**	**29068**	**8.4**
LPG	90889	9967	9976	10530	11482	11927	12740	**3.9**
Motor Spirit	7895	8162	8254	8803	9875	11169	12603	**13.1**
Naphtha+NGL	7329	6550	5155	5327	4912	5471	3106	**11.4**
Others	689	638	623	690	425	376	618	**-11.5**
2 **Middle Distillates**	**50548**	**51919**	**50281**	**55189**	**61536**	**65936**	**69797**	**7.2**
SKO	9426	9395	9373	9412	9365	9303	9304	**-0.7**
ATF	2484	2811	3295	3982	4522	4363	4551	**-3.5**
HSDO	36875	38087	36308	40617	46443	51328	54994	**10.5**
LDO	1181	1085	834	720	667	552	457	**-17.2**
Others	582	541	471	458	539	390	490	**-27.6**
3 **Heavy Ends**	**16580**	**17357**	**17413**	**17401**	**18912**	**18615**	**17913**	**-1.6**
Furnace Oil	7207	8055	8221	8186	8247	8004	7981	**-2.9**
LSHS	4633	4404	3907	3361	3248	3169	2484	**-2.4**
Lubes/Greases	816	779	892	878	1129	1015	1239	**-10.1**
Bitumen/Asphalt	3367	3318	3485	3818	4471	4516	4342	**1.0**
Petroleum Coke	308	445	496	645	1198	1224	1273	**2.2**
Paraffin Wax	41	60	55	67	80	65	62	**-18.8**
Other Waxes	20	20	19	0	0	0	0	**0.0**
Others	188	277	277	446	539	623	532	**15.6**
Total (A) (Excl. RBF)	**92130**	**94593**	**91702**	**97940**	**107142**	**113493**	**116777**	**5.9**
				B. PRIVATE SECTOR				
1 **Light Distillates**	**9333**	**9887**	**9654**	**11726**	**11862**	**10935**	**10019**	**-7.8**
LPG	216	278	480	319	683	418	381	**-38.8**
Motor Spirit	2	89	393	482	456	89	216	**-80.5**
Naphtha/NGL	4539	7443	7039	8559	8382	8439	7133	**0.7**
Others	4576	2077	1742	2366	2341	1989	2289	**-15.0**
2 **Middle Distillates**	**1475**	**1987**	**4141**	**2406**	**1287**	**443**	**1402**	**-65.6**
SKO	804	0	168	93	0	0	0	**0.0**
ATF	0	0	1	1	21	60	76	**185.7**
HSDO	199	1564	3883	2279	1226	383	1326	**-68.8**
LDO	438	391	49	0	0	0	0	**0.0**
Others	34	32	40	33	41	0	0	**-100.0**
3 **Heavy Ends**	**4813**	**5167**	**7716**	**8677**	**8656**	**8728**	**9998**	**0.8**
Furnace Oil	1105	1081	700	1071	1222	1415	1125	**15.8**
Lubes/Greases	611	568	1189	1022	1161	986	1418	**-15.1**

1	2	3	4	5	6	7	8	9
Bitumen	6	21	23	14	35	231	577	**560.0**
Petroleum Coke	2569	2684	4432	4796	4752	4942	5477	**4.0**
Others	292	1056	1529	934	1486	1155	1402	**-22.3**
Total (B)	**15621**	**17041**	**21511**	**22809**	**21804**	**20106**	**21419**	**-7.8**
TOTAL (A+B)	107751	111634	113213	120749	128946	133599	138196	**3.6.**
Refinery Boil Fuel	8240	8537	9141	10920	11751	11912	11607	**1.4**
Grand Total	**115991**	**120171**	**122354**	**131669**	**140697**	**145511**	**149803**	**3.4**

*Provisional and not included data in respect of RIL SEZ Refinery as it is presumed that all products have been exported and not consumed domestically.

Notes: Private Sector data include private imports also. $: included in others.

Source: Petroleum Planning & Analysis Cell.

V.2 Sector-wise Consumption (end use) of Selected Petroleum Products

(Qty. '000' Tonnes)

Sector	2005-06		2006-07		2007-08		2008-09		2009-10*	
	Cons-umption	% to Total	Cons-umption	% to Total	Cons-umption	% to Total	Cons-umption	% to Total	Cons-umption	% to Total
1	2	3	4	5	6	7	8	9	10	11
				LPG						
1. Domestic	9820	93.9	10427	96.1	11173	91.8	10637	93.6	11364	86.6
2. Commercial/Industry	0	0.00	0	0.00	0	0.00	0	0.00	872	6.6
3. Transport sector	0	0.00	0	0.00	0	0.00	0	0.00	225	1.7
4. Manufacturing										
(i) Chemicals	92	0.9	8	0.1	6	0.9	6	0.1	8	0.1
(ii) Engineering	6	0.1	2	0.0	0	0.00	0	0.00	22	0.2
(iii) Metallurgical	24	0.2	19	0.2	67	0.6	68	0.6	83	0.6
(iv) Textiles	2	0.0	0	0.0	0.	0.0	0	0.0	3	0.0
(v) Consumer & Ind. Goods	11	0.1	2	0.0	19	0.2	18	0.2	26	0.2
Sub Total	**135**	1.3	**31**	03	**93**	08	**92**	0.8	**142**	1.1
5. Miscellaneous	21	0.2	66	0.6	223	1.8	223	2.0	137	1.0
Total PSU	9976	95.4	10524	97.0	11489	94.4	10952	96.3	12740	97.1
6. **Pvt. Party sales**	**480**	4.6	**330**	3.0	**676**	5.6	**418**	3.7	**381**	2.9
TOTAL	**10456**	100.0	**10854**	100.0	**12165**	100.0	**11370**	100.0	**13121**	100.0
				SKO (Kerosene)						
1- Domestic	9267	97.1	9203	96.8	9163	97.8	9131	98.2	9101	97.8
2. Commercial/Industry	24	0.3	50	0.5	185	2.0	43	0.5	69	0.7
3. Others	82	0.9	159	1.7	17	0.2	129	1.4	134	1.4
Total PSU	9373	98.2	9412	99.0	9365	100.0	9303	100.0	9304	100.0
4. Pvt. Party sales	**168**	1.8	**93**	1.0	**0**	0.0	**0**	0.0	**0**	0.0
TOTAL	**9541**	100.0	**9505**	100.0	**9365**	100.0	**9303**	100.0	**9304**	100.0
				NAPHTHA						
1. Fertilizers	2249	18.4	1980	14.5	1689	12.7	1803	13.0	844	8.2
2. Petrochemicals	1490	12.2	1197	8.8	6048	45.5	1328	9.5	591	5.8
3. Power Plants	629	5.2	660	4.8	753	5.7	1147	8.2	639	6.2
4. Steel Plants	55	0.5	33	0.2	54	0.4	71	0.5	3	0.0
5. Others	732	6.0	1100	8.1	332	2.5	5255	37.8	6937	67.8
Total PSU	**5155**	42.3	**4970**	36.4	**8876**	66.8	**9604**	69.0	**9014**	88.0
6. Pvt. Party sales	**7039**	57.7	**8669**	63.6	**4417**	33.2	**4307**	31.0	**1225**	12.0
TOTAL	**12194**	100.0	**13639**	100.0	**13294**	100.0	**13911**	100.0	**10239**	100.0

*Provisional.

Contd.

1	2	3	4	5	6	7	8	9	10	11
					HSDO					
1. TRANSPORT										
(i) Road Transport	19335	48.1	21611	50.4	23547	49.8	27739	53.6	30356	53.9
(ii) Aviation	15	0.0	9	0.0	1	0.0	2	0.0	2	0.0
(iii) Shipping	351	0.9	341	0.8	142	0.3	745	1.4	668	1.2
(iv) Railways	1877	4.7	1856	4.3	351	0.7	2166	4.2	2261	4.0
Sub Total (1)	**21578**	53.7	**23817**	55.6	**24041**	50.8	**30652**	59.3	**33287**	59.1
2. PLANTATION/FOOD										
(i) Sugar Mills	92	0.2	110	0.3	51	0.1	0	0.0	0	0.0
(ii) others (Incl. Plan. of Food)	6923	17.2	7804	18.2	8960	18.9	10134	19.6	11212	19.9
Sub Total (2)	**7015**	17.5	**7914**	18.5	**9011**	19.1	**10134**	19.6	**11212**	19.9
3. Power Generation	**2683**	6.7	**2894**	6.8	**3020**	6.4	**3537**	6.8	**3827**	6.8
4. Mining and Quarrying	**642**	1.6	**714**	1.7	**369**	0.8	**1025**	2.0	**1248**	2.2
5. Manufacture industry										
(i) Iron & Steel (metallur)	118	0.3	130	0.3	84	0.2	217	0.4	231	0.4
(ii) Textile & Fibre	152	0.4	267	0.6	41	0.1	92	0.2	172	0.3
(iii) Cement	80	0.2	104	0.2	153	0.3	0	0.0	614	1.1
(iv) Ceremic & Glass	15	0.0	16	0.0	10	0.0	0	0.0	0	0.0
(v) Chemicals & Allied	62	0.2	83	0.2	58	0.1	117	0.2	175	0.3
(vi) Aluminium	3	0.0	3	0.0	3	0.0	0	0.0	0	0.0
(vii) Engg. (Mech. & Elec.)	151	0.4	205	0.5	75	0.2	123	0.2	150	0.3
(viii) Fertilizers	14	0.0	7	0.0	2	0.0	0	0.0	0	0.0
(ix) Other Industries and Construction	1209	3.0	1373	3.2	1173	2.5	1991	3.9	1516	2.7
Sub Total (5)	**2246**	6.1	**2902**	6.8	**1599**	3.4	**2540**	4.9	**2858**	5.1
6. Misc. Services	**2586**	6.4	**3091**	7.2	**9495**	20.1	**3760**	7.3	**3716**	6.6
Total (PSU)	**36308**	90.3	**40618**	94.8	**47166**	99.7	**51648**	99.9	**56148**	99.7
7. Private Party sales	**3883**	9.7	**2248**	5.2	**134**	0.3	**62**	0.1	**172**	0.3
Total	**40191**	100.0	**42866**	100.0	**47300**	100.0	**51710**	100.0	**56320**	100.0
					LDO					
1. TRANSPORT										
(i) Road Transport	0	0.0	0	0.0	0	0.0	14	2.5	10	2.2
(ii) Shipping	49	5.5	50	6.9	33	5.0	13	2.4	4.5	1.0
(iii) Railways	3	0.3	3	0.4	2	0.3	2	0.4	1.8	0.4
Sub Total (1)	**52**	5.9	**53**	7.4	**35**	5.3	**29**	5.3	**16.3**	3.6
2. PLANTATION/FOOD										
(i) Sugar Mills	2	0.2	1	0.1	3	0.5	0	0.0	0	0.0
(ii) Others (incl. Plan. of Food)	26	2.9	12	1.7	0	0.0	10	1.8	6.8	1.5
Sub Total (2)	**28**	3.2	**13**	1.8	**3**	0.5	**10**	1.8	**6.8**	1.5
3. Power Generation	**65**	7.4	**67**	9.3	**77**	11.6	**176.3**	31.9	**153**	33.5
4. Mining & Quarrying	**12**	1.4	**7**	0.8	**2**	0.3	**5**	0.9	**1.8**	0.4

*Provisional.

1	2	3	4	5	6	7	8	9	10	11
5. Manufacture Industry										
(i) Iron and Steel	86	9.7	74	10.3	109	16.4	0	0.0	82.4	18.0
(ii) Textile and Fibre	26	2.9	22	3.1	5	0.8	2	0.4	1.3	0.3
(iii) Cement	8	0.9	7	1.0	34	5.1	0	0.0	16.3	3.6
(iv) Ceremic and Glass	13	1.5	4	0.6	4	0.6	0	0.0	0	0.0
(v) Chemicals and Allied	54	6.1	33	4.6	17	2.6	16	2.9	18.6	4.1
(vi) Aluminium	3	0.3	2	0.3	4	0.6	0	0.0	0	0.0
(vii) Engg. (Mech. & Elec.)	45	5.1	41	5.7	28	4.2	22	4.0	19	4.2
(viii) Other Industries & Construction	175	19.8	60	36.3	0	0.0	132.6	24.0	5.5	1.2
Sub Total (5)	**422**	47.8	**243**	62.5	**201**	30.2	**172.6**	31.3	**143.1**	31.3
6. Misc. Services	**270**	30.6	**337**	46.8	**349.4**	52.5	**159**	28.8	**136.1**	29.8
Total (PSU)	837	94.8	**720**	100.0	**665.4**	100.0	**552**	100.0	**457**	100.0
7. Private Party sales	49	5.5	**0**	0.0	**0**	0.0	**0**	0.0	**0**	0.0
Total	883	100.0	**720**	100.0	**665.4**	100.0	**552**	100.0	**457**	100.0

V.3 Consumption of Petroleum Products and Market Share of Oil Companies in India

(Qty. '000' Tonnes)

Year	Consumption	IOC	BPCL/ KRL	HPCL	IBP	Other Companies	Private #	TOTAL
1	2	3	4	5	6	7	8	9
2002-03	Consumption	46336	19843	18228	3769	1948	14002	104126
	%	44.5	19.1	17.5	3.6	1.9	13.4	100.0
2003-04	Consumption	46778	20297	18577	4162	2316	15621	107751
	%	43.4	18.8	17.2	3.9	2.1	14.5	100.0
2004-05	Consumption	48018	20697	19091	4594	2193	17041	111634
	%	43.0	18.5	17.1	4.2	2.0	15.3	100.0
2005-06	Consumption	46160	20477	18309	4316	2440	21511	113213
	%	40.8	18.1	16.2	3.8	2.2	19.0	100.0
2006-07	Consumption	53425	22661	19698	$	2156	22809 #	120749
	%	44.2	18.8	16.3		1.8	18.9	100.0
2007-08	Consumption	57956	24866	22056	$	2264	21804 #	128946
	%	44.9	19.3	17.1		1.8	16.9	100.0
2008-09	Consumption	61363	26324	23712	$	2094	20106 #	133599
	%	45.9	19.7	17.7		1.6	15.0	100.0
2009-10	Consumption	63570	27015	24246	$	1946	21419 #	138196
	%	46.0	19.5	17.5		1.4	15.5	100.0

Notes: Consumption excludes RBF
*: Provisional
$: IBP has been merged with IOC. Others companies include BRPL, CPCL, GAIL, MRPL, NRL and ONGC.
#: Private consumption figures includes pvt. imports also.
Source: Petroleum Planning & Analysis Cell.

V.4 Deliveries Made to International/Coastal Bunkers

(Qty. '000' Tonnes)

Item	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
1	2	3	4	5	6	7	8	9
INTERNATIONAL BUNKERS								
F.O	25.2	47.0	21.1	17.9	12.3	33.8	127.1	37.3
H.S.D	2.9	2.8	3.5	4.8	2.3	14.9	17.0	94.7
L.D.O	2.8	12.1	3.7	4.5	1.4	0.1	1.3	0.3
TOTAL	**30.9**	**61.9**	**28.3**	**27.2**	**16.0**	**48.8**	**145.4**	**132.3**
COASTAL BUNKERS								
F.O	105.6	96.0	171.5	234.3	264.8	353.4	362.4	553.7
H.S.D	177.8	173.2	185.3	239.7	239.4	23.4	586.1	503.5
L.D.O	16.2	23.0	34.3	43.0	48.8	39.7	17.5	6.5
TOTAL	**299.6**	**292.2**	**391.1**	**517**	**553.0**	**416.5**	**966.0**	**1063.7**
TOAL BUNKERS:								
F.O	130.9	143.0	192.6	252.2	277.1	387.2	489.5	590.9
H.S.D	180.7	176.0	188.8	244.5	241.7	38.3	603.1	598.2
L.D.O	19.0	35.1	37.9	47.5	50.2	39.8	18.7	6.8
TOTAL	**330.6**	**354.1**	**419.3**	**544.2**	**596.0**	**465.3**	**1111.3**	**1195.9**

Note: * Provisional
Source: Petroleum Planning & Analysis Cell.

V.5 State-wise Consumption of Major Petroleum Products During 2009-10*

('000' Tonnes)

State/UT	Naphtha	LPG	Petrol/ MS	SKO	ATF	Diesel/ HSD	LDO	FO	LSHS/ HHS	Lubes & Greases	Bitumen	Others	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12	13	14
A. States													
Region: North													
Jammu & Kashmir	0.01	134	119	154	42	487	3	19	0	8	101	71	1140
Punjab	0.4	592	558	232	49	2938	1	345	488	36	231	468	5939
Rajasthan	19	556	615	400	101	3561	11	270	3	32	244	1175	6987
Uttar Pradesh	123	1359	1149	1243	113	5788	36	524	20	59	500	459	11373
Haryana	578	449	559	146	19	4311	10	399	320	33	288	375	7487
Himachal Pradesh	0	99	92	49	6	406	1	78	4	7	42	123	905
Uttarakhand	0	163	142	94	1	528	12	131	8	10	55	26	1170
Chandigarh	0	40	84	7	37	75	0	9	7	1	6	27	293
Delhi	0	680	807	132	1244	1093	5	111	2	20	31	11	4135
Total	**721**	**4072**	**4126**	**2457**	**1610**	**19186**	**80**	**1886**	**850**	**206**	**1499**	**2734**	**39428**
Region: North East													
Assam	0	185	133	260	75	649	0.2	9	0	9	43	296	1661
Manipur	0	20	24	20	5	61	0	0	0	0.3	8	0.01	139
Meghalaya	0	14	42	21	0	259	0.02	0	0	0.6	12	3	351
Nagaland	0	15	19	14	1	35	0.3	0	0	0.3	9	0.5	94
Tripura	0	23	23	31	8	70	0.3	0	0	0.7	14	0.02	169
Arunachal Pradesh	0	12	19	13	2	73	0.03	0	0	0.9	13	1	134
Mizoram	0	18	14	6	1	38	0.2	1	0	0.1	5	0	84
Total	**0**	**287**	**274**	**365**	**92**	**1186**	**1**	**11**	**0**	**12**	**105**	**300**	**2632**
Region: East													
Bihar	0	323	232	641	8	1664	4	48	0	11	227	204	3361
Orissa	0.1	173	279	312	18	1619	29	418	0	27	82	29	2985
West Bengal	317	669	349	764	163	2256	112	476	0	96	140	128	5469
Jharkhand	0	120	190	211	9	1181	38	118	0	30	64	12	1973
Sikkim	0	10	10	12	0.1	47	1	1	0	0.4	2	0	82
Andaman & Nikobar	0	6	9	6	12	93	0	0	0	1	7	1	135
Total	**317**	**1300**	**1068**	**1946**	**211**	**6859**	**183**	**1060**	**0**	**165**	**523**	**372**	**14004**

*Provisional.

Cont'd...

1	2	3	4	5	6	7	8	9	10	11	12	13	14
Region: West													
Goa	242	56	94	19	67	381	0.2	163	0	4	18	4	1048
Gujarat	5908	687	902	748	106	3253	29	1047	477	58	544	3463	17223
Madhya Pradesh	0	509	547	506	37	2223	12	172	0	33	335	132	4506
Maharashtra	390	1878	1773	1286	1194	5975	111	1358	420	376	407	751	15920
Chhattisgarh	0	124	208	145	9	929	8	227	11	18	138	12	1829
Dadra & Nagar Hav.	0	14	12	3	0	67	3	110	0	96	3	16	325
Daman & Diu	0	7	13	2	1	55	0.3	19	0	3	2	3	107
Total	**6540**	**3276**	**3550**	**2710**	**1414**	**12883**	**164**	**3096**	**908**	**587**	**1448**	**4381**	**40958**
Region: South													
Andhra Pradesh	92	1079	960	522	263	5488	9	382	93	62	356	113	9420
Kerala	647	573	693	225	271	1755	1	271	135	44	148	72	4835
Tamilnadu	488	1235	1204	599	411	4983	4	1221	372	111	463	223	11315
Karnataka	209	885	860	468	356	3437	14	623	120	50	306	71	7398
Lakshdeep	0	0.2	0	1	0	16	1	2	0	0.1	0.1	0	20
Pondicherry	0	33	84	12	0	354	1	52	5	2	2	1	547
Total	**1436**	**3805**	**3800**	**1827**	**1300**	**16033**	**29**	**2552**	**725**	**269**	**1275**	**481**	**33536**
Total (PSU+Pvt.)	**9014**	**12740**	**12818**	**9304**	**4627**	**56148**	**457**	**8607**	**2484**	**1239**	**4851**	**8269**	**130558**
Private Imports	**1225**	**381**	**0**	**0**	**0**	**172**	**0**	**499**	**0**	**1418**	**68**	**3874**	**7637**
Grand Total	**10239**	**13121**	**12818**	**9304**	**4627**	**56320**	**457**	**9106**	**2484**	**2657**	**4919**	**12143**	**138195**

Note: Some Totals may not tally due to individual rounding.

*: Provisional and not included data in respect of RIL SEZ Refinery as it is presumed that all products have been exported and not consumed domestically.

Source: Petroleum Planning and Analysis Cell, New Delhi.

V.6 State-wise Per Capita Sales of Petroleum Products

(Unit: Kg.)

State/UT	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2009-09*
1	2	3	4	5	6	7	8	9
A. States								
1. Andhra Pradesh	83.5	84.5	85.9	86.4	78.8	84.6	100.9	112.9
2. Arunachal Pradesh	77.0	79.7	80.0	83.6	82.3	81.3	89.3	90.8
3. Assam	46.4	42.9	46.3	50.6	47.7	46.0	48.7	50.9
4. Bihar	27.8	25.1	26.7	26.6	24.4	25.0	28.2	31.5
5. Chhattisgarh	44.0	47.2	50.0	61.5	59.9	62.6	70.1	75.9
6. Delhi	223.9	226.4	237.2	253.5	228.3	260.4	248.2	233.6
7. Goa	595.2	589.3	656.9	743.1	631.0	651.4	653.5	646.5
8. Gujarat	176.3	169.4	164.5	161.9	135.0	136.4	138.5	274.1
9. Haryana	176.7	180.4	179.7	188.6	178.0	193.5	236.2	256.1
10. Himachal Pradesh	87.4	89.8	88.4	92.5	91.8	95.9	110.1	114.2
11. Jammu & Kashmir	65.5	69.3	71.1	74.3	75.1	77.5	84.5	86.0
12. Jharkhand	41.1	52.0	52.5	58.8	54.8	51.0	53.6	57.8
13. Karnataka	92.1	93.4	98.7	102.0	96.6	102.7	112.0	120.1
14. Kerela	107.5	120.8	129.2	112.7	105.6	107.1	113.6	131.3
15. Madhya Pradesh	57.5	57.9	62.1	62.7	51.9	52.9	54.7	63.4
16. Maharashtra	128.4	127.0	128.8	133.1	128.0	132.1	145.7	144.4
17. Manipur	27.6	59.4	40.0	42.7	42.1	40.5	47.4	51.8
18. Meghalaya	72.4	82.0	95.2	101.3	98.0	98.5	108.7	126.6
19. Mizoram	64.0	68.5	74.4	72.2	75.9	73.8	77.3	81.5
20. Nagaland	29.2	32.7	34.5	44.0	40.6	40.3	38.2	39.1
21. Orissa	44.5	49.5	50.2	54.9	51.6	52.2	61.0	66.3
22. Pondicherry	260.8	299.8	327.0	377.0	382.2	422.4	407.0	389.1
23. Punjab	184.2	182.9	180.9	189.0	169.4	179.8	189.1	200.1
24. Rajasthan	88.1	92.4	96.6	96.9	76.1	86.1	93.0	120.2
25. Sikkim	74.1	98.1	126.0	110.0	109.0	89.2	96.4	112.0
26. Tamilnadu	131.1	135.9	134.3	136.2	129.6	131.0	148.7	163.1
27. Tripura	34.2	37.0	37.8	36.6	37.4	39.0	40.4	45.0
28. Uttar Pradesh	53.7	54.7	57.5	59.5	53.3	50.9	51.4	55.5
29. Uttarakhand	80.3	80.0	84.6	88.7	85.6	92.4	101.0	106.4
30. West Bengal	63.6	58.5	57.8	60.5	55.6	54.5	58.9	59.7
B. Union Territories								
1. Chandigarh	225.3	226.4	230.0	245.6	211.4	212.4	189.1	208.4
2. Daman & Diu & Dadra & Nagar Haveli	529.1	754.0	820.0	965.0	739.6	636.8	642.5	627.2
3. Others	172.7	232.6	178.0	228.0	240.0	273.7	296.2	261.6
Total All India	**104.9**	**108.1**	**112.9**	**116.8**	**111.7**	**115.5**	**93.6**	**106.9**

Note: State-wise per capita sales includes private sales but does not include private imports.

Per Capita Sales of Selected Petroleum Products

(Unit: Kg.)

Product	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09*
1	2	3	4	5	6	7	8	9
Naptha	11.4	11.5	7.1	13.6	11.1	11.3	11.6	8.3
MS	6.8	7.3	7.7	8.0	7.9	8.2	9.0	9.7
SKO	10.2	10.1	9.2	9.1	8.7	8.4	8.2	8.0
HSDO	35.6	35.5	35.9	38.5	36.7	37.9	41.6	44.5
LDO	1.6	2.0	1.1	1.4	0.8	0.6	0.6	0.5
F.O. (Regular)	8.2	7.8	7.0	8.9	8.1	8.2	8.3	7.3
LSHS/HHS	4.4	4.6	4.5	4.3	3.6	3.0	2.8	2.7
Total All India Sales @	**104.9**	**108.1**	**112.9**	**116.8**	**111.7**	**115.5**	**112.6**	**106.9**

Note: Projected Population for the year 2008-09 taken from RGI website. *: Provisional.
@: Included private sales but does not include private imports. **Source**: Petroleum Planning and Analysis Cell, New Delhi.

Trade

Trade

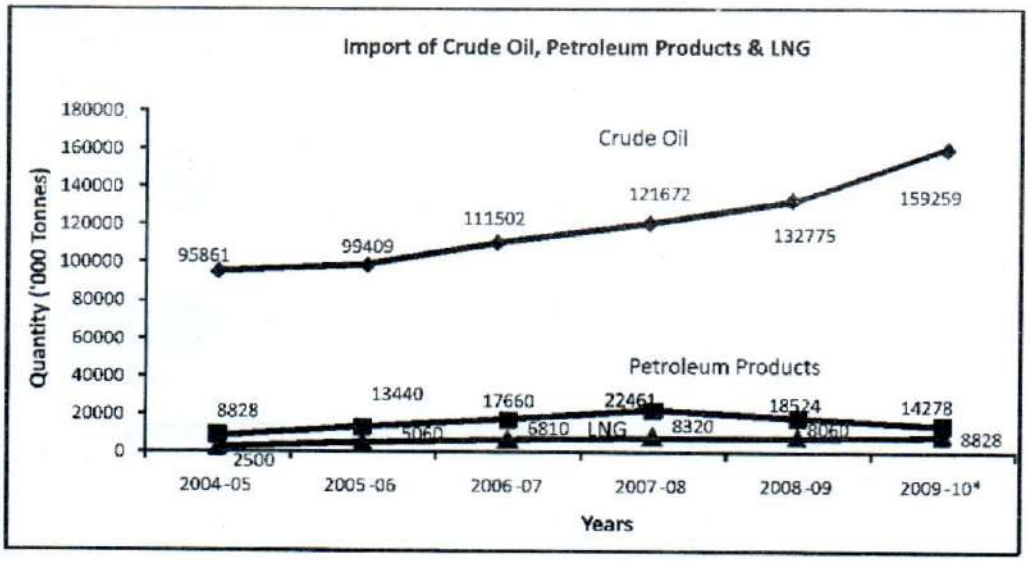
VI.2 Import/Export of Crude Oil and Petroleum Products

(Qty: '000' Tonnes, Value: Rs. Crores)

Year	Crude Oil		Petroleum Products		LNG		Total	
	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value
1	2	3	4	5	6	7	8	9
				Gross Imports				
2001-02	78706	60397	7009	7249	—	—	85715	67646
2002-03	81989	76195	7228	8847	—	—	89217	85042
2003-04	90434	83528	8001	9723	—	—	98435	93251
2004-05	95861	117003	8828	14887	2500	1696	107189	133586
2005-06	99409	171702	13440	27972	5060	3366	117909	203040
2006-07	111502	219029	17660	41160	6810	5650	135972	265839
2007-08	121672	272699	22461	61000	8320	7197	152453	340896
2008-09	132775	348149	18524	60846	8060	9548	159359	418543
2009-10*	159259	375378	14278	34954	8828	10196	182365	420528
				Exports				
2001-02	—	—	10065	8219	—	—	10065	8219
2002-03	—	—	10289	10868	—	—	10289	10868
2003-04	—	—	14620	16781	—	—	14620	16781
2004-05	—	—	18211	29928	—	—	18211	29928
2005-06	—	—	23460	49974	—	—	23460	49974
2006-07	—	—	33624	81094	—	—	33624	81094
2007-08	—	—	40779	110789	—	—	40779	110789
2008-09	—	—	38902	122064	—	—	38902	122064
2009-10*	—	—	50974	144037	—	—	50974	144037
				Net Imports				
2001-02	78706	60397	-3056	-970	—	—	75650	59427
2002-03	81989	76195	-3061	-2021	—	—	78928	74174
2003-04	90434	83528	-6619	-7058	—	—	83815	76470
2004-05	95861	117003	-9383	-15041	2500	1696	88978	103658
2005-06	99409	171702	-10020	-22002	5060	3366	94449	153066
2006-07	111502	219029	-15964	-39934	6810	5650	102348	184745
2007-08	121672	272699	-18318	-49789	8320	7197	111674	230107
2008-09	132775	348149	-20377	-61218	8060	9548	120458	296479
2009-10*	159259	375378	-36696	-109083	8828	10196	131391	276491

Note: *Provisional.

Source: Petroleum Planning & Analysis Cell, New Delhi.



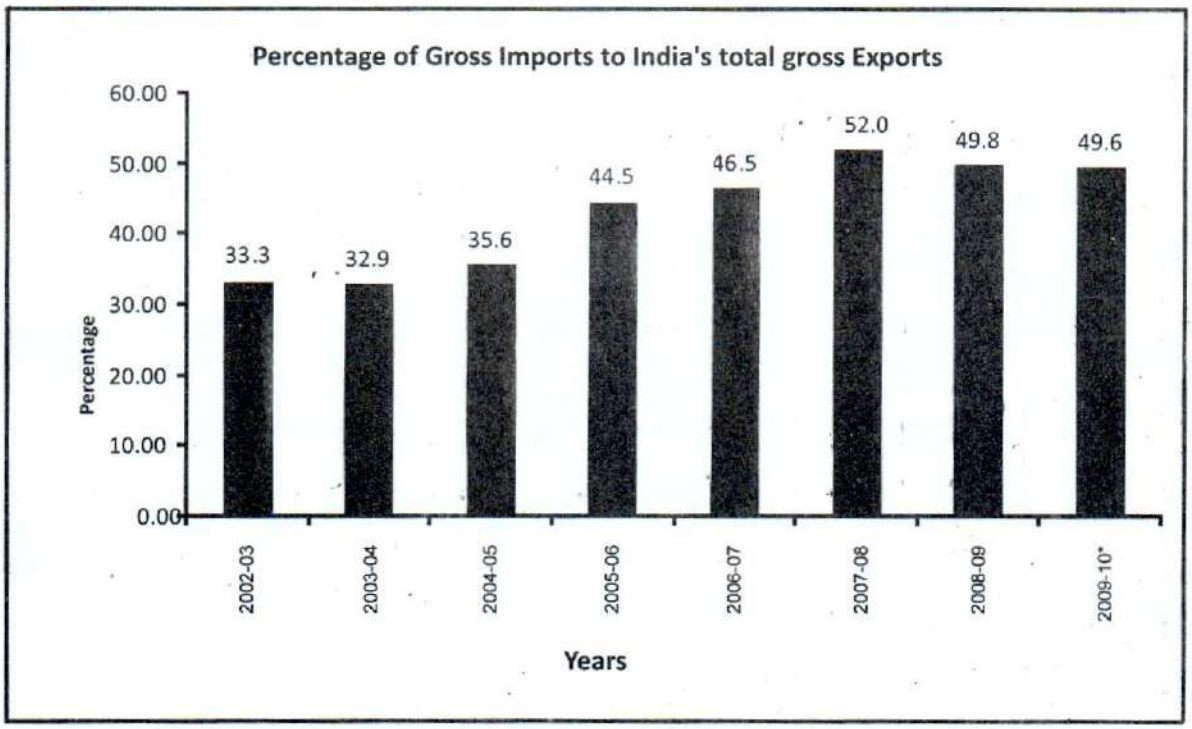
Note: *Provisional

Source: Petroleum Planning & Analysis Cell, New Delhi.

VI.3 India's POL Imports as a proportion to overall Exports

(Rs. Crores)

Year	POL Imports		India's Total Exports		Gross POL Imports as % age of total Gross Exports	Net POL Imports as %age of total Net Exports
	Gross	Net	Gross	Net of POL Exports		
1	2	3	4	5	6	7
2001-02	67646	59427	209018	200733	32.4	29.6
2002-03	85042	74174	255137	244269	33.3	30.4
2003-04	93251	76470	283604	266823	32.9	28.7
2004-05	133587	103659$	375340	345412	35.6	30.0
2005-06	203040	153066$	456418	406444	44.5	37.7
2006-07	265839	184745$	571779	490685	46.5	37.7
2007-08	340896	230107$	655864	545075	52.0	42.2
2008-09	418543	296479$	840755	719669	49.8	41.2
2009-10*	419676	275639$	845534	701088	49.6	39.3



Notes:$: LNG Import included in Gross & Net from 2005-06 & onwards. *: Provisional
Source: (i) DGCI&S's Foreign Trade Statistics (ii) Petroleum Planning & Analysis Cell

VI.4 Import/Export of Crude Oil and Petroleum Products

(Qty:'000' Tonnes)
(Value: Rs. Crores)

ITEM 2005	2006		2007		2008		2009*			
	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value
1	2	3	4	5	6	7	8	9	10	11
				Gross Import						
A. Crude Oil	**96270**	**153217**	**109881**	**219447**	**119934**	**242707**	**128167**	**373902**	**152481**	**323240**
B. Pol. Products										
I. Light Distillates	**6560**	**14305**	**7487**	**20161**	**9001**	**25564**	**8697**	**32316**	**4743**	**13753**
1. LPG	2838	6019	2218	5798	2627	7284	2590	9349	2344	6405
2. MS	637	1623	397	1266	277	836	454	1860	862	931
3. Naphtha	2549	5598	4777	12841	5829	16772	5360	20108	1266	5790
4. Propane	536	1064	95	255	268	672	293	999	272	628
II. Middle Distillates	**2441**	**5560**	**2019**	**6022**	**4297**	**12797**	**4844**	**20049**	**2906**	**9321**
1. ATF	3	15	2	19	2	14	3	34	3	31
2. SKO	976	2320	1257	3846	2254	7159	1773	7958	707	2437
3. HSD	1462	3226	760	2157	2041	5624	3068	12057	2195	6853
III. Heavy Ends	**2246**	**3439**	**6827**	**12122**	**7445**	**13362**	**2414**	**10984**	**7463**	**9983**
1. FO/LSHS	718	878	2734	4845	1419	2367	1331	5728	953	1720
2. Lubes/Others	1528	2561	4093	7277	6026	10995	1083	5256	6510	8263
Total (B)	**11247**	**23304**	**16333**	**38305**	**20743**	**51723**	**15955**	**63349**	**15112**	**33057**
Grand Total (A+B)	**107517**	**176521**	**126214**	**257752**	**140677**	**294430**	**144122**	**437251**	**167593**	**356297**
				Export						
Pol. Products										
I. Light Distillates	**6538**	**14663**	**11635**	**30651**	**13691**	**38500**	**13486**	**48069**	**16677**	**47521**
1. Naphtha	4083	9160	7742	19641	9586	26450	7884	27706	8561	23550
2. MS	2185	4912	3453	9731	3852	11298	5369	19418	8023	23547
3. TAME	10	25	0	0	0	0	0	0	0	0
4. Reformate	155	355	334	953	157	427	129	432	0	0
5. LPG	105	212	106	326	96	325	104	513	94	424
II. Middle Distillates	**10259**	**22230**	**14961**	**39444**	**18211**	**48252**	**17301**	**67218**	**22907**	**58744**
I. HSD	7559	15784	11469	29334	13584	35328	13543	51956	18414	46615
2. ATF	2612	6184	3343	9573	4489	12457	3663	14805	4448	11987
3. SKO	88	262	149	537	138	467	95	457	46	142
III. Heavy Ends	**2539**	**3190**	**5384**	**7637**	**7690**	**13769**	**7080**	**14455**	**7548**	**14596**
1. FO/LSHS	1816	1892	3547	4748	3727	5570	6460	12628	5136	9143
2. Others	723	1298	1837	2889	3963	8199	620	1827	2413	5453
Total	**19336**	**40084**	**31980**	**77732**	**39592**	**100521**	**37867**	**129742**	**47133**	**120860**
				Net Import						
A. Crude Oil	**96270**	**153217**	**109881**	**219447**	**119934**	**242707**	**128167**	**373902**	**152481**	**323240**
B. Pol. Products	**-8089**	**-16780**	**-15647**	**-39428**	**-18849**	**-48798**	**-21912**	**-66393**	**-32021**	**-87803**
Grand Total (A+B)	**88181**	**136437**	**94234**	**180020**	**101085**	**193909**	**106255**	**307509**	**120461**	**235437**

*Provisional

Notes: 'TAME' Tertiary Amyl Methyl Ether.

Source: Petroleum Planning & Analysis Cell, New Delhi.

VI.5 Imports/Exports of Crude Oil and Petroleum Products

(Qty. : '000' Tonne, Value: Rs. Crore)

ITEM	2005-06		2006-07		2007-08		2008-09		2009-10*	
	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value
1	4	5	6	7	2	3	5	6	7	8
					Gross Imports					
A. Crude Oil	**99409**	**171702**	**111502**	**219029**	**121672**	**272699**	**132775**	**348149**	**159259**	**375378**
B. LNG	**5060**	**3366**	**6810**	**5650**	**8320**	**7197**	**8060**	**9548**	**8828**	**10196**
C. Petroleum Products										
I. Light Distillates	**6181**	**14855**	**8005**	**21369**	**9485**	**29221**	**8002**	**27624**	**51051**	**15413**
1. LPG	2883	7042	2278	5766	2832	8700	2360	7916	2732	8382
2. MS	486	1286	421	1326	328	1137	397	1530	385	1264
3. Naphtha	2331	5400	5306	14277	5983	18470	5023	17410	1630	4776
4. Propane	481	1127	0	0	342	914	222	768	358	991
II. Middle Distillates	**1846**	**4532**	**2392**	**6938**	**5443**	**17556**	**4201**	**16286**	**3542**	**9241**
1. ATF	2	12	2	17	3	20	4	34	3	27
2. SKO	1044	2617	1423	4250	2489	8324	1423	6480	985	2909
3. HSD	800	1903	967	2671	2951	9212	2774	9772	2554	6305
III. Heavy Ends	**5413**	**8585**	**7263**	**12853**	**7533**	**14223**	**6321**	**16936**	**5631**	**10300**
1. FO/LSHS	1434	2099	2983	5174	1187	2211	1359	3059	801	1711
2. Lubes/Others	3979	6486	4280	7679	6346	12012	4962	13877	4830	8589
Total(C)	**13440**	**27972**	**17660**	**41160**	**22461**	**61000**	**18524**	**60846**	**14278**	**34954**
Grand Total(A+B+C)	**117909**	**203040**	**135972**	**265839**	**152453**	**340896**	**159359**	**418543**	**182365**	**420528**
					Exports					
Petroleum Products										
I. Light Distillates	**7769**	**17384**	**12344**	**32581**	**13937**	**42220**	**13147**	**43101**	**19804**	**61509**
1. LPG	53	164	112	342	99	401	109	455	131	491
2. MS	2417	5843	3615	10191	4258	13614	5433	17779	9762	31170
3. Naphtha	5066	10787	8411	21431	9297	27365	7601	24849	9911	29848
4. TAME	0	0	0	0	0	0	0	0	0	0
5. Reformate	233	590	206	617	283	841	4	18	0	0
II. Middle Distillates	**11453**	**26102**	**15171**	**39993**	**18931**	**54919**	**18471**	**63423**	**23095**	**64405**
1. ATF	2828	7077	3652	10254	4486	13556	3701	13498	4588	13331
2. SKO	121	371	150	541	137	492	77	362	46	154
3. HSD/LDO	8504	18654	11369	29198	14308	40871	14693	49563	18461	50920
III. Heavy Ends	**4239**	**6488**	**6109**	**8520**	**7911**	**13650**	**7284**	**15542**	**8075**	**18123**
1.FO/LSHS	1815	2268	3759	4988	4718	6811	6201	12240	5173	10501
2. VGO/Lubes	993	1577	859	1826	1498	3236	262	1021	111	321
3. Coke/Bitumen/ White Oil/Paraffin	339	302	66	77	409	614	177	391	324	619
4. Others	1092	2341	1425	1629	1286	2989	644	1890	2466	6682
Total	**23461**	**49974**	**33624**	**81094**	**40779**	**110789**	**38902**	**122066**	**50974**	**144037**
					Net Imports					
A. Crude Oil	**99409**	**171702**	**111502**	**219029**	**121672**	**272699**	**132775**	**348149**	**159259**	**375378**
B. LNG	**5060**	**3366**	**6810**	**5650**	**8320**	**7197**	**8060**	**9548**	**8828**	**7861**
C. Pol. Products	**-10021**	**-22002**	**-15964**	**-39934**	**-18318**	**-49790**	**-20378**	**-61220**	**-36696**	**-109083**
Grand Total	**94448**	**153066**	**102348**	**184745**	**111674**	**230106**	**120457**	**296477**	**131392**	**274156**

*Provisional.

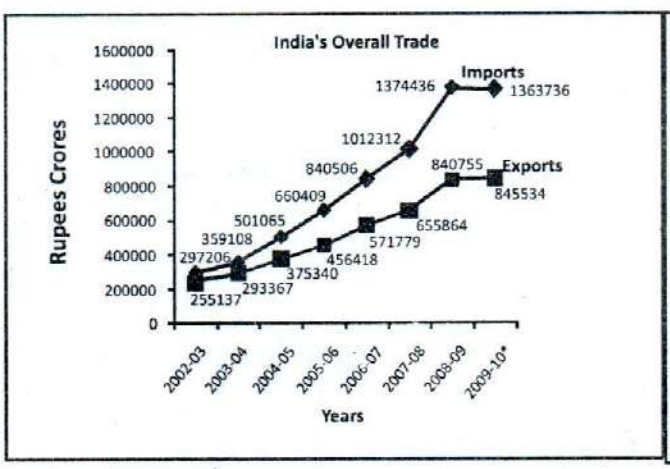
Notes: 'TAME' Tertiary Amyl Methyl/Ether.

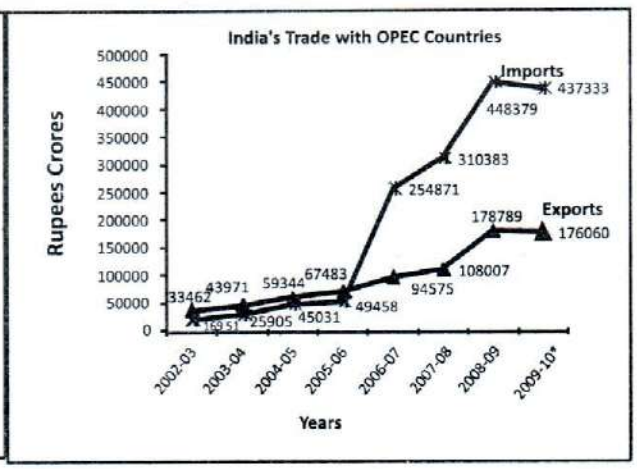
Source: Petroleum Planning & Analysis Cell, New Delhi.

VI.6 Trends in India's Overall Trade balance and Trade balance with OPEC Countries

(Rs. Crores)

Year	India's Overall Trade					India's Trade with OPEC Countries					% of India's trade with OPEC to India's total trade	
	Exports	Imports	Balance of Trade	%variation over preceding year Exports	Imports	Exports	Imports	Balance of Trade	% variation over preceding year Exports	Imports	Exports	Imports
1	2	3	4	5	6	7	8	9	10	11	12	13
2001-02	209018	245199	-36181	2.7	6.2	25016	14215	10801	12.6	14.8	12.0	5.8
2002-03	255137	297206	-42069	22.1	21.2	33462	16951	16511	33.8	19.2	13.1	5.7
2003-04	293367	359108	-65741	15.0	20.8	43971	25905	18066	31.4	52.8	15.0	7.2
2004-05	375340	501065	-125725	27.9	39.5	59344	45031	14313	35.0	73.8	15.8	9.0
2005-06	456418	660409	-203991	21-6	31-8	67483	49458	18025	13.7	9.8	14.8	7.5
2006-07	571779	840506	-268727	25.3	27.3	94575	254871	-160296	40.1	415.3	16.5	30.3
2007-08	655864	1012312	-356448	14.7	20.4	108007	310383	-202376	14.2	21.8	16.5	30.7
2008-09	840755	1374436	-533681	28.2	35.8	178789	448379	-269590	65.5	44.5	21.3	32.6
2009-10*	845534	1363736	-518202	0.6	-0.8	176060	437333	-261273	-1.5	-2.5	20.8	32.1





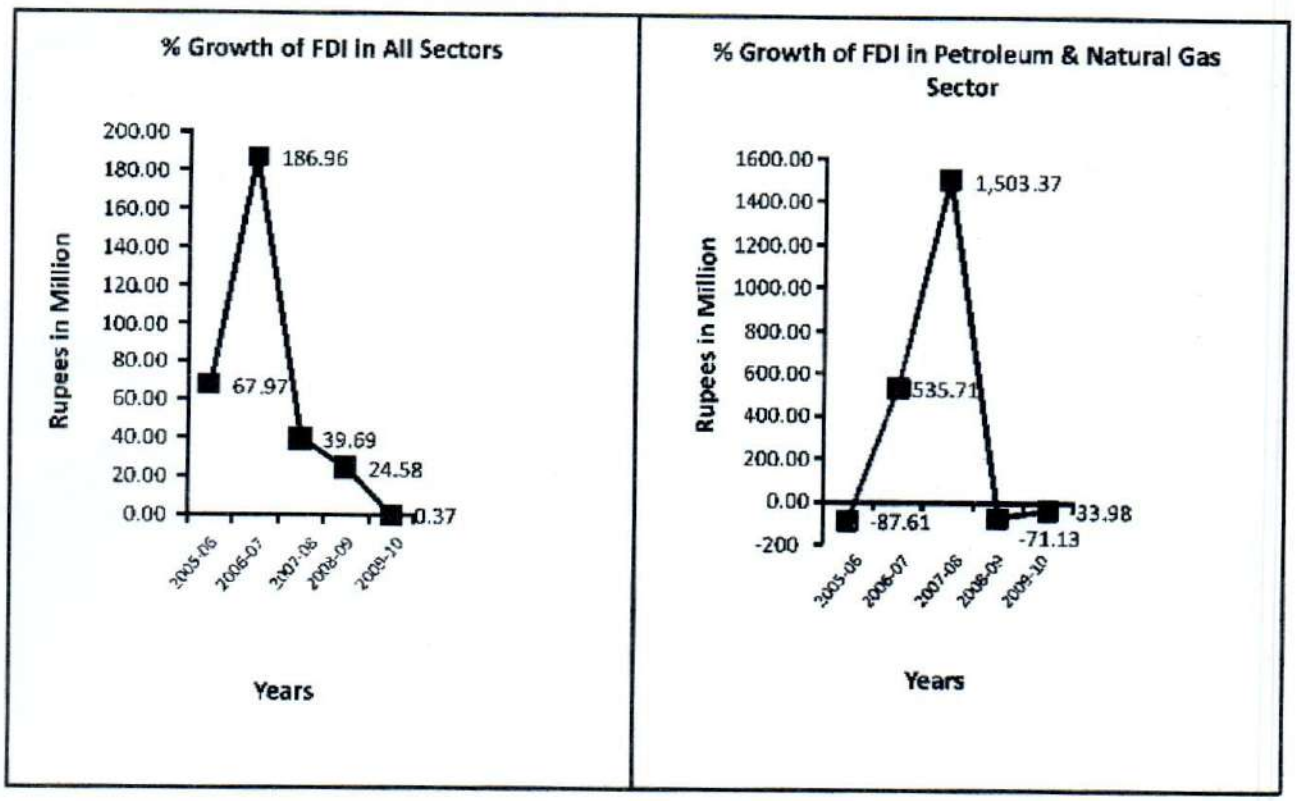
Note: *Provisional

Source: Directorate General of Commercial Intelligence & Statistic's Foreign Trade Statistics.

VI.7 Annual Growth of Foreign Direct Investment Inflows

Sl.No.	Years	FDI Inflow		% of FDI in	Annual Growth (%)	
		Total All Sector	P& NG Sector	P&NG to Total FDI	P & NG Sector	All Sectors
1	2	3	4	5	6	7
			(Amount in Rs. Million)			
1	2004-05	146530	5182	3.54		
2	2005-06	246130	636	0.26	-87.73	67.97
3	2006-07	706300	4015	0.57	531.29	186.96
4	2007-08	986640	57291	5.81	1326.92	39.69
5	2008-09	1229190	19310	1.57	-66.29	24.58
6	2009-10	1233780	13280	1.08	-31.23	0.37
	Total	**4548570**	**99714**	**2.19**		
			(Amount in US $ Million)			
1	2004-05	3219	113	3.51		
2	2005-06	5546	14	0.25	-87.61	72.29
3	2006-07	15726	89	0.57	535.71	183.56
4	2007-08	24579	1427	5.81	1503.37	56.30
5	2008-09	273.29	412	1.51	-71.13	11.19
6	2009-10	25888	272	1.05	-33.98	-5.27
	Total	**102287**	**2327**	**2.27**		

Source: Foreign Direct Investment Cell, Department of Industrial Policy & Promotion.



Taxes & Duties

Taxes & Duties

VII.2 Royalty and Oil Development Cess Paid by Oil Companies on Production of Crude Oil and Natural Gas

(Rs. Lakhs)

Year	Royalty Paid on Crude Oil						Royalty Paid on Natural Gas					Oil Development Cess
	Western Region	Eastern Region	Southern Region	Total Onshore	Bombay High/KG Off-shore	Total	Western Region	Eastern Region	Southern Region	B. High/KG Off-shore	Total	
1	2	3	4	5	6	7	8	9	10	11	12	13
2001-02	54229	41574	14529	110332	138261	248593	7383	2932	4354	51215	65884	287845
2002-03	85123	57941	23635	166699	140018	306717	10099	1999	7195	58481	77774	509057
2003-04	82282	69761	27248	179291	138070	317361	10674	2226	8817	63699	85416	514317
2004-05	121061	88099	13692	222852	204291	427143	16252	2921	4326	59443	82942	553650
2005-06	174487	135973	18788	329248	177492	506740	20156	6605	6540	53065	86366	519562
2006-07	189162	137737	36236	363135	222585	585720	35262	8056	7547	56610	107475	717734
2007-08	214817	165983	23377	404177	250256	654433	62791	22814	7640	55440	148685	715626
2008-09	317211	136198	13774	467183	248319	715502	66682	21883	8191	65665	162421	688580
2009-10	177601	161241	18370	357212	258281	615493	59187	48819	8349	63624	179979	709605

Source: Oil & Natural Gas Corpn. Ltd., Oil India Ltd. and Directorate General of Hydrocarbons.

VII.3 State-wise Sales Tax Rates Applicable on Crude Oil, Natural Gas and Petroleum Products as on 1.4.2010

(percentage)

State	Crude Oil	Natural Gas	MS	HSD	SKO PDS/ Industrial	LPG Domestic/ Industrial
1	2	3	4	5	6	7
Andhra Pradesh	4.0	14.5	33.0	22.3	4.0/12.5	4.0/14.5
Arunachal Pradesh	..C	..	20.0	12.5	4.0/12.5	4.0/12.5
Assam	4.0	12.0	25.5	16.5	2.0/12.5	4.0/9.0
Bihar			24.5	18.36+10%	12.5/12.5	1.0/12.5
Chandigarh			20.0	12.5	4.0/12.5	0/12.5
Chhattisgarh			25.0	25.0	4.0/14	0/14
Delhi			20.0	20.0	5.0/12.5	0/5
Goa			22.0	20.0	4.0/12.5	4.0/12.5
Gujarat	4.0	12.5+2.5%	23.0	21.0	0/27.5	0/15.0
Haryana			20.0	8.8	5.0/12.5	0/12.5
Himachal Pradesh			25.0	14.0	0/12.5	4.0/12.5
Jammu & Kashmir			20.0	12.0	5.0/13.5	4.0/13.5
Jharkhand	..		20.0	18.0	4.0/12.5	4.0/12.5
Karnataka			25.0	18.0	5.0/13.5	1.0/13.5
Kerala			29.0 C	24.7	4.0/12.5	4.0/12.5
Madhya Pradesh			28.8	23.0	5.0/13	4.0/12.5
Maharasthra (i) WML	4.0	12.5	26.0 $	26.0 $	5.0/12.5	0/12.5
(ii) OML			25.0 $	23.0 $	5.0/12.5	0/12.5
Manipur			20.0	12.5	4.0/4.0	4.0/12.5
Meghalaya			20+2%	12.5+2%	4.0/12.5	4.0/12.5
Mizoram			18.0	10.0	0/0	2.0/8.0
Nagaland			20+5%	12.5+2%	5.0/15.0	4.0/12.5
Orissa			18.0	18.0	4.0/12.5	4.0/12.5
Punjab			27.5+10%	8.8+10%	5.0/12.5	4.0/12.5
Pondicherry			15.0	14.0	0/12.5	1.0/12.5
Rajasthan	4.0 L	4.0	28.0	18.0	4.0/14	0/14
Sikkim			15.0	7.5	0/12.5	4.0/12.5
Silvassa			20.0	20.0	20.0/20.0	12.5/12.5
Tamil Nadu	4.0	4.0	30.0	21.4	4.0/25.0	4.0/12.5
Tripura	-	12.5	15.0	10.0	0/12.5	1.5/12.5
Uttar Pradesh			26.6	17.2	4.0/12.5	0/12.5
Uttaranchal			25.0	21.0	12.5/12.5	4.0/12.5
West Bengal			20.0	18.0	4.0/12.5	4.0/4.0

$:(i)WML—Within Municipal Limits (ii) OML—Outside Municipal Limits L.: on light crude oil for parties out of Rajasthan C: CST.
Note: Above taxes exclude other taxes payable/recoverable as on 1.4.2009.
Source: Public Sector Undertakings.

(percentage)

State	FO	LDO	Naphtha	ATF	Asphalt/ Bitumen
1	8	9	10	11	12
Andhra Pradesh	14.5	22.3	14.5	16.0	14.5
Arunachal Pradesh	12.5	12.5		20.0	
Assam	4.0	16.5	13.5	22.0	4.0
Bihar	12.5	18.4	12.5	29.0	4.0
Chandigarh	12.5	12.5	4.0	20.0	4.0
Chhattisgarh	25.0	14.0	14.0	25.0	5.0
Delhi	20.0	20.0	20.0	20.0	5.0
Goa	20.0	12.5	20.0	20.0	4.0
Gujarat	15.0	17.5	18.5	30.0	5.0
Haryana	12.5+5%	8.8+5%	20+5%	20+5%	5+5%
Himachal Pradesh	12.5	14.0	4.0	25.0	5.0
Jammu & Kashmir	13.5	13.5	13.5	20+5%	5.0
Jharkhand	12.5	18.0	12.5	20.0	4.0
Karnataka	13.5	18.0	13.5	28.0	5.0
Kerala	12.6	47.6	4.0	29.0	4.0
Madhya Pradesh	12.5	12.5	12.5	28.8	5.0
Maharasthra (i) WML	12.5	12.5	12.5	25.0	12.5
(ii) OML	12.4	12.5	12.5	25.0	12.5
Manipur	12.5	12.5		20.0	4.0
Meghalaya		12.5+2%		20+2%	
Mizoram		10.0		20.0	
Nagaland		12.5+2%		2-+2%	
Orissa	12.5	20.0	12.5	20.0	12.5
Punjab	5+10%	8.8+10%	4+10%	20+10%	5+10%
Pondicherry	12.5	12.5	12.5	12.5	4.0
Rajasthan	5.0	18.0	5.0	14.0	14.0
Sikkim	12.5	7.5	12.5	12.5	4.0
Silvassa	20.0	20.0	20.0	20.0	20.0
Tamil Nadu	4.0	25.0	4.0	29.0	4.0
Tripura		10.0		20.0	
Uttar Pradesh	21.0	17.2	21.0	21.0	12.5+1%
Uttaranchal	12.5	21.0	12.5	20.0	4+5%
West Bengal	4.0	17.0	4.0	25.0	4.0

$:(i) WML—Within Municipal Limits (ii) OML—Outside Municipal Limits
Note: Above taxes exclude other taxes payable/recoverable as on 1.4.2009.
Source: Public Sector Undertakings.

VII.4 Sales Tax Payments (Inclusive of MST and CST) on Crude Oil, Condensates, Natural Gas and Petroleum Products

(Rs. In Lakhs)

State/UTs	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10*
1	2	3	4	5	6	7	8	9
1. CRUDE OIL	**99341**	**87544**	**127009**	**118723**	**153548**	**165566**	**130140**	**160845**
Andhra Pradesh	0	2432	3553	8414	10029	10069	7652	4601
Arunachal Pradesh	70	0	157	0	0	0	0	0
Assam	15604	15805	20636	8305	27982	31313	34996	37027
Gujarat	21736	17456	23777	25379	21107	20711	20518	36805
Maharashtra	60303	50292	76560	73538	91137	100321	63812	79962
Tamil Nadu	1627	1556	2324	3085	3287	3149	3162	2448
Rajasthan	1	3	2	0	6	3	0	2
Tripura	0	0	0	2	0	0	0	0
2. NATURAL GAS	**84391**	**91264**	**85363**	**107782**	**148490**	**145080**	**223491**	**270331**
Andhra Pradesh	11689	12973	12652	11112	9764	9223	8876	41019
Arunachal Pradesh	0	0	0	0	0	0	0	0
Assam	2624	2856	2978	634	6724	7200	7413	6800
Delhi	0	0	0	0	473	305	403	518
Gujarat	46746	43547	39672	51939	63427	64418	108228	107475
Haryana	0	0	0	0	0	0	1745	2884
Jharkhand	0	0	0	0	0	0	0	2
M.P.	3388	10278	6606	5971	10389	13409	10620	14334
Maharashtra	7624	9358	9052	20864	19385	20438	23947	31602
Rajasthan	153	184	324	29	167	175	5539	5347
Tamil Nadu	1050	1501	1368	2473	4155	2242	1770	1815
Tripura	790	816	956	1168	1324	1326	1501	1559
U.P.	10327	9751	11755	13406	32678	26344	53449	56976
Pondicherry/Mane	0	0	0	186	4	0	0	0
3. POL PRODUCTS	**2790341**	**3106061**	**3687669**	**4366893**	**5006607**	**5678366**	**5942598**	**5663688**
Andhra Pradesh	249820	278210	330193	402469	483043	561180	615966	619049
Assam	31717	674	62738	46897	1813	60615	86831	86440
Arunachal Pradesh	532	40821	1021	1703	64637	1558	1894	2264
Bihar	69118	69149	90838	103602	116750	138075	162345	181060
Chhattisgarh	28668	35720	51348	66508	83265	95412	104582	110959
Delhi	86496	90497	112201	140071	173517	184540	179797	153576
Goa	20092	23693	25191	33751	37228	37141	48983	43405
Gujarat	321224	316319	299185	363735	470104	468454	371002	339089
Haryana	83300	95594	142989	152880	168371	220963	215167	212531
Himachal Pradesh	9876	12964	17115	20814	32141	25379	25197	13949
Jammu & Kashmir	14996	17009	21289	28197	32604	35087	41170	45860
Jharkhand	31959	41532	51156	59686	72903	79056	66466	76023
Karnataka	164918	204290	241822	284734	331996	391975	465040	456082
Kerala	149289	184629	189764	210643	202361	255933	262619	289477
Madhya Pradesh	111293	127421	154948	178561	227388	247447	282495	284607
Maharashtra	506197	524725	621340	764140	836560	921355	966257	889120
Manipur	1625	1794	2032	2789	6826	2662	3502	3581
Meghalya	1848	1854	3057	6035	7056	6975	7329	5616
Mizoram	959	1181	1404	1759	2096	2140	2042	2340
Nagaland	1401	1508	1852	2603	2768	2801	3217	2895
Orissa	43654	52986	66308	83733	89277	118363	127128	135674
Pondicherry/Mane	592	533	577	465	9009	837	783	662
Punjab	87190	100269	119400	136825	171618	175455	176331	199032
Rajasthan	141074	164383	194296	228669	259122	299593	315144	322105
Sikkim	982	1102	1459	1765	16626	2919	7050	2107
Tamil Nadu	267751	302447	371086	436399	457361	528230	588202	601613
Tripura	2445	2841	3330	3851	4348	4634	5034	6098
Uttar Pradesh	229656	252335	299959	367091	376231	476157	476604	525464
Uttaranchal	16470	19816	25267	30609	51966	41018	46332	48410
West Bengal	113225	137770	182277	200766	205028	277173	273567	294345
Union Territories								
Daman & Diu	67	63	93	18	4	#	#	1476
Chandigarh	1867	1918	2126	5016	12506	12776	12428	8779
Dadra & Nagar Haveli	40	14	8	109	84	727	2094	0
Andeman & Nicobar	0	0	0	0	0	2186	0	0
Grand Total (1+2+3)	**2974073**	**3284869**	**3900041**	**4593398**	**5308645**	**5989012**	**6296229**	**6394864**

* Provisional #included in Dadra & Nagar Haveli

Source: Compiled on the basis of the receipts from the oil companies.

Manpower

Manpower

VII.3 Category-wise Manpower Employed in Various Sectors of Petroleum Industry in India (As on 31st March)

(Number)

Category	2002	2003	2004	2005	2006	2007	2008	2009	2010
1	2	3	4	5	6	7	8	9	10
Exploration and Production									
1. Executive/Managerial	19461	19605	19270	18571	18432	19459	17693	18391	18862
2. Supervisory	6601	6349	6055	4523	4778	3510	2825	2822	2790
3. Clerical	3278	3068	2351	2176	1984	8013	6256	5486	4937
4. Workeman	20200	19215	17240	16138	14486	7940	7142	6908	6745
5. Total	**49540**	**48237**	**44916**	**41408**	**39680**	**38922**	**33916**	**33607**	**33334**
6. Expatriates/ Foreign Experts/ on Contract	0	0	27	7	14	26	19	5	0
Grand Total	**49540**	**48237**	**44943**	**41415**	**39694**	**38948**	**33935**	**33612**	**33334**
Petroleum Refining									
1. Executive/Managerial	5556	5977	5899	6200	6296	5659	5975	8054	8517
2. Supervisory	2589	2586	2616	2716	2809	3961	3988	4249	4383
3. Clerical	2587	2521	2371	2293	2268	2216	1929	1959	2149
4. Workeman	12338	12266	11847	11445	11345	11208	11334	10926	10888
5. Total	**23070**	**23350**	**22733**	**22654**	**22718**	**23044**	**23226**	**25188**	**25937**
6. Expatriates/ Foreign Experts/ on Contract	2252	3101	2907	4205	7544	5107	6902	7557	0
Grand Total	**25332**	**26451**	**25640**	**26859**	**30262**	**28151**	**30128**	**32745**	**25937**
Marketing									
1. Executive/Managerial	11649	11598	11747	11799	11365	10429	10841	11006	11150
2. Supervisory	2274	2320	2334	2419	2422	3845	4015	4378	4421
3. Clerical	5434	5245	5133	4831	4400	4413	4350	3973	3671
4. Workeman	17956	17152	16725	15658	15148	14621	14046	13487	12842
5. Total	**37313**	**36315**	**35939**	**34707**	**33335**	**33308**	**33252**	**32844**	**32084**
6. Expatriates/ Foreign Experts/ on Contract	4552	4246	4293	5921	9982	9662	11743	9339	0
Grand Total	**41865**	**40561**	**40232**	**40628**	**43317**	**42970**	**44995**	**42183**	**32084**

Source: Public Sector Undertakings.

Energy

Energy

IX.2 Gross Domestic Product By Economic Activity

(Rs. Crore)

Sectors	2004-05	2005-06	2006-07	2007-08	2008-09
	(Constant at 2004-2005 Prices)				
1. (a) Petroleum & Natural Gas	47211	45290	47224	47553	46923
(b) Petroleum Products	38633	44189	52173	59573	60415
(c) Total	85844	89479	99397	107126	107338
2. Railways	29118	31292	34779	38178	41444
3. Transport by other means	170347	185763	202104	218071	230936
4. Storage	1959	2052	2256	2359	2632
5. Communications	49174	60240	75509	96986	121872
6. Electricity	50438	54211	60398	65908	67726
7. Gas	5493	5449	5461	5641	6291
8. Water Supply	5974	6323	6719	7228	7849
GDP at factor cost	2967599	3249130	3564627	3893457	4154973
Contribution of P&NG in GDP at factor cost	2.89	2.75	2.79	2.75	2.58
	Growth Rate (%)				
Sectors	2005-06	2006-07	2007-08	2008-09	CAGR*
1. (a) Petroleum & Natural Gas	-4.07	4.27	0.70	-1.32	-0.15
(b) Petroleum Products $	14.38	18.07	14.18	1.40	11.83
(c) Total	4.23	11.08	7.78	0.2	5.75
2. Railways	7.47	11.14	9.77	8.55	9.23
3. Transport by other means	9.05	8.80	7.90	5.90	7.90
4. Storage	4.75	9.94	4.57	11.57	7.66
5. Communications	22.50	25.35	28.44	25.66	25.47
6. Electricity	7.48	11.41	9.12	2.76	7.65
7. Gas	-0.80	0.22	3.36	11.52	3.45
8. Water Supply	5.84	60.26	7.58	8.59	7.06
GDP at factor cost	9.49	9.71	9.22	6.72	8.78

(at Current Prices)

(Rs. Crore)

Sectors	2004-05	2005-06	2006-07	2007-08	2008-09
1. (a) Petroleum & Natural Gas	47211	50541	56520	60693	65491
(b) Petroleum Products	38633	49770	63287	73475	82202
(c) Total	85844	100311	119807	134168	147693
2. Railways	29118	30771	37429	43608	48177
3. Transport by other means	170347	192724	222435	250154	286462
4. Storage	1959	2128	2511	2743	3300
5. Communications	49174	53901	58530	65794	76679
6. Electricity	50438	55181	62917	67223	69363
7. Gas	5493	5919	6071	7274	6998
8. Water Supply	5974	6590	7484	8563	10151
GDP at factor cost	2967599	3402316	3941865	4540987	5228650
Contribution of P&NG in GDP	2.89	2.95	3.04	2.95	2.82
	Growth Rate (%)				
Sectors	2005-06	2006-07	2007-08	2008-09	CAGR*
1. (a) Petroleum & Natural Gas	7.05	11.83	7.38	7.91	8.53
(b) Petroleum Products $	28.83	27.16	16.10	11.88	20.78
(c) Total	16.85	19.44	11.99	10.08	14.53
2. Railways	5.68	21.64	16.51	10.48	13.41
3. Transport by other means	13.14	15.42	12.46	14.51	13.88
4. Storage	8.63	18.00	9.24	20.31	13.93
5. Communications	9.61	8.59	12.41	16.54	11.75
6. Electricity	9.40	14.02	6.84	3.18	8.29
7. Gas	7.76	2.57	19.82	-3.79	6.24
8. Water Supply	10.31	13.57	14.42	18.54	14.17
GDP at factor cost	14.65	15.86	15.20	15.14	15.21

Notes: *Compound Annual Growth Rate in 20
$ Estimated contribution at 81% of petroluem sector in rubber + petroleum in manufacturing
GDP of POL using domestic product for petroleum products & value of output for mining items

Source: National Account Statistics, 2010

Plan Outlay & Expenditure

Plan Outlay & Expenditure

X.2 Import Availability ratios of Crude Oil and Petroleum Products

Items	2004-05	2005-06	2006-07	2007-08	2008-09*	2009-10*
1	2	3	4	5	6	7
A. CRUDE OIL (MMT)						
(i) Production	33.98	32.19	33.99	34.12	33.51	33.69
(ii) Imports	95.86	99.41	111.50	121.67	132.78	159.26
(iii) Availability (Net)	129.84	131.60	145.49	155.79	166.29	192.95
(iv) Item (ii) as % of Item (iii)	73.83	75.54	76.64	78.1	79.85	82.54
B. PETROLEUM PRODUCTS (MMT)						
(i) Production*	120.82	121.94	137.35	146.99	152.68	182.01
(ii) Imports (Net)$	-9.383	-10.021	-15.964	-18.318	-18.245	-36.31
(iii) Availability (Gross)	111.44	111.92	121.39	128.67	134.44	145.70
(iv) Item (ii) as % of Item (iii)	-8.4	-9.0	-13.2	-14.2	-13.6	-24.9

Notes:
*: Includes LPG Production from Natural Gas.
$: Excluding LNG imports.
Source: Eleventh Five Year Plan document.

X.3 Crude Oil Processing and Import during the Eleventh Plan

(MMT)

Particulars	2007-08	2008-09	2009-10	2010-11	2011-12	TOTAL
1	2	3	4	5	6	7
Processing	148.5	162.7	193.0	211.6	235.0	802.3
Actuals	156.1	160.8	160.0			
Imports	107.27	120.37	150.51	170.41	195.49	744.05
Actuals	121.7	132.8	159.3			

Source: Eleventh Five Year Plan document and oil PSUs.

X.4 Eleventh Plan Demand Projections for Petroleum Products

Items	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
1	2	3	4	5	6	7
Demand for Petroleum Products (MMT)						
Base Case	114.034	116.089	119.098	121.987	126.973	131.767
Annual Growth Rate %		1.80	2.59	2.43	4.09	3.78
Upper Case	114.034	117.555	121.951	127.789	136.593	141.793
Annual Growth Rate %		3.09	3.74	4.79	6.89	3.81

Note: MMT: Million Metric Tonnes.
Source: Eleventh Five Year document.

X.7 Refinery-wise Capacity addition during the Eleventh Plan

Year	Refinery	PSU/PVT.	MMT
2007-08	IOCL, Panipat	PSU	3.00
	HPCL, Mumbai	PSU	2.40
	HPCL, Visakh	PSU	0.83
	Essar Oil Ltd., Jamnagar	PVT	3.50
		Sub total	**9.73**
			0.00
2008-09	CPCL, Chennai	PSU	1.00
	RPL, Jamnagar (New)	PVT	29.00
	Nagarjuna Oil Corporation Ltd.	PVT	6.00
		Sub total	**36.00**
			29.00*
2009-10	IOCL, Haldia	PSU	1.50
	BPCL, Bina	PSU	6.00
	CPCL, Chennai	PSU	0.70
	KRL, Kochi	PSU	2.00
	MRPL, Mangalore	PSU	5.31
		Sub total	**15.51**
2010-11	HPCL, Visakh	PSU	6.67
	HPCL, Bhatinda	PSU	9.00
		Sub total	**15.67**
2011-12	IOCL, Paradip	PSU	15.00
	ONGC, Tatipaka	PSU	0.08
		Sub total	**15.08**
		Total	**91.99**

X.8 Refining Capacity addition during the Eleventh Plan

(MMT)

	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	Total
Capacity addition	Base year	9.73	36.00	15.51	15.67	15.08	91.99
Total Capacity	148.97	158.7	194.7	210.21	225.88	240.96	
Actual Capacity		148.968	177.97*	184.386			

Note: *:Reliance Petroleum Ltd. (SEZ) with capacity 29 MMT was commissioned on 25.12.2008.

X.5 Crude Oil and Natural Gas Production Projection Profile for Eleventh Plan

Company	2007-08	2008-09	2009-10	2010-11	2011-12	TOTAL
1	2	3	4	5	6	7
			Crude Oil (MMT)			
ONGC	27.16	28.00	29.00	28.53	27.37	140.06
OIL	3.50	3.55	3.73	3.91	4.30	18.99
Joint Venture/ Private Companies	10.57	10.78	9.76	8.75	7.85	47.71
Total	**41.23**	**42.33**	**42.49**	**41.19**	**39.52**	**206.76**
Actuals	**34.12**	**33.51**	**33.69**			
			Natural Gas (BCM)			
ONGC	22.10	22.53	22.77	22.99	22.00	112.39
OIL	3.13	3.21	3.25	3.28	3.56	16.43
Joint Venture/ Private Companies	8.55	22.55	29.41	28.77	37.61	126.45
Total	**33.78**	**48.29**	**55.43**	**55.03**	**63.23**	**255.76**
Actuals	**32.42**	**32.85**	**47.50**			

X.6 Availability of Petroleum Product during the Eleventh Plan

(MMT)

Product	2007-08 (Actuals)	2008-09 (Actuals)	2009-10 (Actuals)	2010-11 (Projected)	2011-12 (Projected)	TOTAL of XI plan
1	2	3	4	5	6	7
LPG	11.5	11.41	11.35	11	12.8	51.9
MS	10.2	10.99	6.59	28.9	30.5	118.3
Naphtha	13.1	12.25	6.64	17.5	18.8	81.1
ATF	4.6	4.37	3.49	10.6	11	45.1
SKO	10.1	9.57	9.48	10.3	11.3	54.2
HSD	47.0	50.99	45.28	84.1	92.3	371.5
LDO	0.7	0.61	0.43	0.8	0.6	4.2
Lubes	1.8	2.27	2.34	1.1	1.1	4.6
FO/LSHS	12.3	13.20	12.86	10.9	9.5	66.4
Bitumen	4.5	4.79	4.92	4	4.4	20
Coke	6.6	7.56	6.73	11	12.8	41.6
Others	6.2	6.44	5.48	11	13.2	45.9
Grand Total	**128.7**	**134.4**	**115.59**	**201.2**	**218.3**	**904.8**

Note: Column 2 & 3 are calculated as Production+Import-Export.

MMT: Million Metric Tonnes. BCM: Billion Cubic Metres.

Source: Eleventh Five Year Plan document (col. 4 to 7) and PPAC & PSUs (col. 2 to 3).

X.9 Estimates of Demand of Petroleum Products during the Eleventh Plan

('000' Tonnes)

Products	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	CAGR
1	2	3	4	5	6	7	8
			Base Case				
LPG	10494	10853	11246	11683	12183	12770	4.0
Nephtha	11333	10425	9517	10441	11138	11588	0.4
MS	8983	9377	9828	10242	10667	11097	4.3
ATF	3630	4335	4774	5187	5569	5907	10.2
SKO	9414	8830	8510	8222	7962	7729	-3.9
HSD	40583	42210	43797	45328	46871	48419	3.6
LDO	905	951	951	849	786	569	-8.9
FO/LSHS	13454	13601	13959	12806	13327	13874	0.6
Bitumen	3592	3772	3961	4159	4367	4585	5.0
Lubes	2421	2453	2487	2521	2556	2592	1.4
Pet. Coke	4736	4736	4736	4736	5210	5731	3.9
Others	4489	4893	5333	5813	6337	6907	9.0
Total	**114034**	**116436**	**119099**	**121987**	**126973**	**131768**	**2.9**
			Upper Case				
LPG	10494	10853	11246	11683	12183	12770	4.0
Naphtha	11333	10077	9517	10441	11138	11588	0.4
MS	8983	.. 9330	9775	10442	11197	11605	5.3
ATF	3630	4356	5227	6011	6612	7274	14.9
SKO	9414	9414	9414	9414	9414	9414	0.0
HSD	40583	42374	43818	45751	47952	49776	4.2
LDO	905	951	951	849	786	569	-8.9
FO/LSHS	13454	13754	14250	13611	14277	14982	2.2
Bitumen	3592	3808	4036	4279	4535	4808	6.0
Lubes	2421	2453	2487	2521	2556	2592	1.4
PET. COKE	4736	4736	4736	4736	7210	7411	9.4
Others	4489	5449	6494	8052	8734	9006	14.9
Total	**114034**	**117555**	**121951**	**127790**	**136594**	**141795**	**4.5**

Source: Eleventh Five Year Plan document.

X.10 Dividend paid by Public Sector Undertakings under the Ministry of Petroleum and Natural Gas

(Rs. Crore)

Name of Company	Dividend paid to Govt. by PSUs in 2009-10
1. Oil & Natural Gas Corp. Ltd. (ONGC)	7058.30
2. Oil India Ltd. (OIL)	817.54
3. GAIL (INDIA) Ltd.	951.00
4. Indian Oil Corp. Ltd. (IOCL)	3156.34
5. Hindustan Petroleum Corp. Ltd. (HPCL)	406.35
6. Bharat Petroleum Corp. Ltd. (BPCL)	506.18
7. Engineers India Ltd. (EIL)	595.25
8. Chennai Petroleum Corp. Ltd. (CPCL)	178.69
9. Biecco Lawrie Ltd.	0.00
10. Balmer Lawrie Ltd.	0.00
11. Numaligarh Refinery Ltd. (NRL)	110.34
12. Mangalore Refinery & Petrochemicals Ltd.	245.25
13. ONGC (Videsh) Ltd. (OVL)	0.00
Total	**14025.23**

X.11 Equity Capital of Public sector Undertakings under the Ministry of Petroleum and Natural Gas

(Rs. Crore)

Name of the PSU	Authorised Capital	Paid up Capital	% Govt. Holding as on 31.3.2010
1. Indian Oil Corp. Ltd. (IOCL)	2500	2427.95	78.92
2. Bharat Petroleum Corp. Ltd. (BPCL)	450	361.54	54.93
3. Hindustan Petroleum Corp. Ltd. (HPCL)	350	338.63	51.11
4. Oil & Natural Gas Corp. Ltd. (ONGC)	15000	2138.87	74.14
5. Oil India Ltd. (OIL)	500	240.45	98.13
6. GAIL (INDIA) Ltd.	2000	1268.48	57.34
7. Engineers India Ltd. (EIL)	100	56.16	90.40
8. Chennai Petroleum Corp. Ltd. (CPCL)	400	149.00	Nil
9. Biecco Lawrie Ltd.	50	42.00	99.22
10. Balmer Lawrie Ltd.	30	16.29	Nil
11. Numaligarh Refinery Ltd. (NRL)	1000	735.63	Nil
12. Mangalore Refinery & Petrochemicals Ltd.	2000	1761.82	Nil
13. ONGC (Videsh) Ltd. (OVL)	1000	1000.00	100.00

NRL: Subsidiary of BPCL.

CPCL: Subsidiaries of IOCL.

Source: Ministry of Petroleum and Natural Gas (Internal Finance Division-I)

X.12 Profit earned by PSUs under the Ministry of Petroleum and Natural Gas

(Rs. Crores)

S.No.	Name of PSUs	Profit after tax during				
		2005-06	2006-07	2007-08	2008-09	2009-10(p)
1	2	3	4	5	6	7
1.	Indian Oil Corp. Ltd.	4915.12	7499.47	6962.58	2949.55	10220.55
2.	Bharat Petroleum Corp. Ltd.	291.65	1805.48	1327	735.9	1537.62
3.	Hindustan Petroleum Corp. Ltd.	405.63	1571.17	473	574.98	1301.37
4.	Oil & Natural Gas Corp. Ltd.	14430.78	15643	16702	16126.32	16767.55
5.	Oil India Ltd.	1689.93	1639.99	1784.04	2161.68	2610.52
6.	GAIL (INDIA) Ltd.	2310	2387	2601	2804	3140
7.	Kochi Refineries Ltd.	*	*	*	*	*
8.	Bongaigaon Refinery & Petrochemicals Ltd.	174.76	184.98	306.82	**	**
9.	Engineers India Ltd.	138.64	142.99	171.99	344.53	435.58
10.	Chennai Petroleum Corporation Ltd.	480.96	565.27	1122.95	-450	603.22
11.	IBP Co. Ltd.	12.44	#	#	#	#
12.	Balmer Lawrie & Co. Ltd.	46.8	70.22	85	101	117.29
13.	Numaligarh Refinery Ltd.	448.93	568.8	368.6	235.64	232.08
14.	Biecco Lawrie Co. Ltd.	2.22	2.31	2.59	2.56	0.7
15.	Mangalore Refinery & Petrochemicals Ltd.	371.61	525.52	1272.23	870.33	1112.38
16.	ONGC (Videsh) Ltd.(OVL)	901.19	1663.29	2397.14	NA	2089.58

Notes: (p): Provisional.

*: Amalgamated with BPCL

**: Merged with IOCL since 25th March, 2009

#: Merged with IOCL

Source: Ministry of Petroleum and Natural Gas (Internal Finance Division-I)

X.13 Performance of Public Sector Undertakings under the Ministry of Petroleum and Natural Gas

S. No.	Performance Parameters	Unit	ONGC	OIL	GAIL	IOC	HPCL	BPCL	EIL	NRL	CPCL	Balmer Lawrie	MRPL	OVL	Biecco Lawrie
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Authorised Capital	Rs./Crore	15000	500	2000	2500	350	450	100	1000	400	30	2000	1000	50
2	Paid-up Capital	Rs./Crore	2138.87	240	1268.48	2427.95	338.63	361.54	56.16	735.63	149.00	16.29	1762.82	1000	42
3	Govt. equity in the PSU	%	74.14	78.43	57.34	78.92	51.11	54.93	90.40	Nil	Nil	Nil	Nil	100.00	99.22
4	Gross Turnover	Rs./Crore	65049	7905.55	24996	271073.62	108599	131499.72	1993.80	7874.09	29183.83	1751	36762.82	15382.80	66.86
5	PAT	Rs./Crore	16126	2610.52	3140	10220.55	1301	1538	435.58	232.08	603.22	117	1112.38	2089.58	0.70
6	Debt equity ratio	Ratio	0.0003:1	0.0027:1	0.09:1	0.88:1	0.31:1	1.70	0.00	0.02:1	1.18	0.00	0.22	1.78:1	1.11
7	Reserves & Surpluses	Rs./Crore	76597	13523.33	15531	48124.98	11219	12725.17	1058.55	1714.41	3313.08	489.35	3834.70	10644.90	0.31
8	Networth	Rs./Crore	78085	13745.41	16607	50552.93	11558	13087	1114.71	2450.04	3462.08	505.64	5596.55	11644.90	7.33
9.	Dividend paid/payable	Rs./Crore	6844	817.54	951	3156.34	406.35	506	595.25	110.34	178.69		245.24	0.00	0.00
10	Dividend as a %age of PAT	%age	42	31	75	130	31	33	137	48	30		22	0	0
11	EPS	Rs.	75.40	113.78	25	42.10	38.43	42.53	12.93	3.15	40.51	72.02	6.35	208.96	0.17
12	Total outstanding loan	Rs./Crore	26.74	37.5	1480	44566.25	21302	22195.2	0	207.65	4077.89	0	1696.39	20698.28	47.12

Source: Ministry of Petroleum and Natural Gas (Internal Finance Division-I)

International Petroleum Statistics

International Petroleum Statistics

Country/Region	Thousand million tonnes	Thousand million barrels	% Share of total	R/P ratio
1	2	3	4	5
Gabon	0.5	3.7	0.3%	44.1
Libya	5.8	44.3	3.3%	73.4
Nigeria	5.0	37.2	2.8%	49.5
Sudan	0.9	6.7	0.5%	37.5
Tunisia	0.1	0.6	*	18.4
Other Africa	0.1	0.6	*	11.0
Total Africa	**16.9**	**127.7**	**9.6%**	**36.0**
Australia	0.5	4.2	0.3%	20.7
Brunei	0.1	1.1	0.1%	17.6
China	2.0	14.8	1.1%	10.7
India	0.8	5.8	0.4%	21.1
Indonesia	0.6	4.4	0.3%	11.8
Malaysia	0.7	5.5	0.4%	20.4
Thailand	0.1	0.5	*	3.8
Vietnam	0.6	4.5	0.3%	35.7
Other Asia Pacific	0.2	1.3	0.1%	11.2
Total Asia Pacific	**5.6**	**42.2**	**3.2%**	**14.4**
Total World	**181.7**	**1333.1**	**100.0%**	**45.7**
of which:	0.8	6.3	0.5%	8.2
	12.4	90.8	6.8%	13.5
	140.4	1029.4	77.2%	85.3
	24.6	180.9	13.6%	14.7
	16.7	122.9	9.2%	25.5
Canadian oil sands*	23.3	143.3		
Proved reserves and oil sands	205.0	1476.4		

Notes: Proved reserves of oil — Generally taken to be those quantities that geological and engineering information indicates with reasonable certainty can be recovered in the future from known reservoirs under existing economic and operating conditions. Reserves-to-production (R/P) ratio—If the reserves remaining at the end of any year are divided by the production in that year, the result is the length of time that those remaining reserves would last if production were to continue at that rate. Source of data — The estimates in this table have been compiled using a combination of primary official sources, third-party data from the OPEC Secretariat, World Oil, Oil & Gas Journal and an independent estimate of Russian reserve based on information in the public domain. Canadian proved reserves include an official estimates of 27.1 billion barrels for oil sands 'under active development'. Venezuelan reserves are taken from the OPEC Annual Statistical Bulletin, which notes that the figure includes "proven reserves of the Magna Reserve Project in the Orinoco Belt, which amounted to 94,168mb in 2008". Reserves include gas condensate and natural gas liquids (NGLs) as well as crude oil. Annual changes and shares of total are calculated using thousand million barrels figures.

*More than 100 years. ** Less than 0.05% † Less than 0.05.

Source: BP Statistical Review of World Energy, 2010

XI.1(b) World Proved Reservers of Natural Gas at end 2008

Country/Region	Trillion cubic Feet	Trillion cubic metres	%Share of total	R/P ratio
1	2	3	4	5
US	237.7	6.73	3.6%	11.6
Canada	57.7	1.63	0.9%	9.3
Mexico	17.6	0.50	0.3%	9.1
Total North America	**313.1**	**8.87**	**4.8%**	**10.9**
Argentina	15.6	0.44	0.2%	10.0
Bolivia	25.1	0.71	0.4%	51.0
Brazil	11.5	0.33	0.2%	23.6
Colombia	4.0	0.11	0.1%	12.4
Peru	11.8	0.33	0.2%	98.5
Trinidad & Tobago	17.0	0.48	0.3%	12.2
Venezuela	170.9	4.84	2.6%	*
Other S. & Cent. America	2.4	0.07	*	17.5
Other S. & Cent. America	**258.2**	**7.31**	**4.0**	**46.0**
Azerbaijan	42.3	1.20	0.6%	81.3
Denmark	1.9	0.06	*	5.5
Germany	4.2	0.12	0.1%	9.2
Italy	4.2	0.12	0.1%	14.2
Kazakhstan	64.4	1.82	1.0%	60.3
Netherlands	49.1	1.39	0.8%	20.6
Norway	102.7	2.91	1.6%	29.3
Poland	3.9	0.11	0.1%	27.1
Romania	22.2	0.63	0.3%	54.6
Russian Federation	1529.2	43.30	23.4%	72.0
Turkmenistan	280.6	7.94	4.3%	*
Ukraine	32.6	0.92	0.5%	49.2
United Kingdom	12.1	0.34	0.2%	4.9
Uzbekistan	55.8	1.58	0.9%	25.4
Other Europen & Eurasia	15.6	0.44	0.2%	43.2
Total Europe & Eurasia	**2220.8**	**62.89**	**34.0%**	**57.8**
Bahrain	3.0	0.09	*	6.3
Iran	1045.7	29.61	16.0%	*
Iraq	111.9	3.17	1.7%	*
Kuwait	62.9	1.78	1.0%	*
Oman	34.6	0.98	0.5%	40.7
Qatar	899.3	25.46	13.8%	*
Saudi Arabia	267.3	7.57	4.1%	96.9
Syria	10.0	0.28	0.2%	51.8
United Arab Emirates	227.1	6.43	3.5%	*
Yemen	17.3	0.49	0.3%	*
Other Middle East	1.7	0.05	*	18.4
Total Middle East	2680.9	**75.91**	**41.0%**	*

Contd....

Country/Region	Trillion cubic Feet	Trillion cubic metres	% Share of total	R/P ratio
1	2	3	4	5
Algeria	159.1	4.50	2.40%	55.3
Egypt	77.3	2.19	1.2%	34.9
Libya	54.4	1.54	0.8%	*
Nigeria	185.4	5.25	2.8%	*
Other Africa	45.0	1.27	0.7%	65.3
Total Africa	**521.2**	**14.76**	**7.9%**	**72.4**
Australia	108.7	3.08	1.6%	72.7
Bangladesh	12.5	0.36	0.2%	18.0
Brunei	12.4	0.35	0.2%	30.7
China	86.7	2.46	1.3%	28.8
India	39.4	1.12	0.6%	28.4
Indonesia	112.5	3.18	1.7%	44.3
Malaysia	84.1	2.38	1.3%	38.0
Myanmar	20.1	0.57	0.3%	49.4
Pakistan	32.0	0.91	0.5%	23.9
Papua New Guinea	15.6	0.44	0.2%	*
Thailand	12.7	0.36	0.2%	11.6
Vietnam	24.1	0.68	0.4%	85.2
Other Asia Pacific	12.9	0.36	0.2%	20.9
Total Asia Pacific	**573.6**	**16.24**	**8.7%**	**37.0**
Total World	**6621.2**	**187.49**	**100.0%**	**62.8**

Notes: Proved reserves of natural gas-Generally taken to be those quantities that geological and engineering information indicates with reasonable certainty can be recovered in the future from known reservoirs under existing economic and operating conditions. Reserves-to-production (R/P) ratio — If the reserves remaining at the end of any year are divided by the production in that year, the result is the length of time that those remaining reserves would last if production were to continue at that rate. Source of data — The estimates in this table have been compiled using a combination of primary official sources and third-party data from Cedigaz and the OPEC Secretariat.

*More than 100 years. Less than 0.05%

Source: BP Statistical Review of World Engery, 2010

XI.2 World Crude Oil Production

(Million Tonnes)

Country/Region	2002	2003	2004	2005	2006	2007	2008	**2009**	2009 Share of total
1	2	3	4	5	6	7	8	**9**	10
US	346.8	338.4	329.2	313.3	310.2	309.8	304.9	**325.3**	8.5%
Canada	135.0	142.6	147.6	144.9	153.4	159.5	157.7	**155.7**	4.1%
Mexico	178.4	188.8	190.7	187.1	183.1	172.7	157.7	**147.5**	3.9%
Total North America	**660.2**	**669.8**	**667.4**	**645.3**	**646.7**	**642.0**	**620.4**	**628.5**	**16.5%**
Argentina	40.9	40.2	37.8	36.2	35.8	34.9	34.1	**33.8**	0.9%
Brazil	74.4	77.0	76.5	84.6	89.2	90.4	93.9	**100.4**	2.6%
Colombia	29.7	27.9	27.3	27.3	27.5	27.6	30.5	**34.1**	0.9%
Ecuador	20.4	21.7	27.3	27.6	27.7	26.5	26.2	**25.2**	0.7%
Peru	4.8	4.5	4.4	5.0	5.1	5.1	5.3	**6.4**	0.2%
Trinidad & Tobago	7.5	7.9	7.3	8.3	8.3	7.2	6.9	**6.8**	0.2%
Venezuela	148.8	131.4	150.0	151.0	144.2	133.9	131.5	**124.8**	3.3%
Other S. & Cent. America	7.8	7.8	7.3	7.2	7.1	7.2	7.1	**7.1**	0.2%
Total S. & Cent. America	**334.2**	**318.3**	**337.9**	**347.1**	**345.0**	**332.7**	**335.5**	**338.5**	**8.9%**
Azerbaijan	15.4	15.5	15.6	22.4	32.5	42.8	44.7	**50.6**	1.3%
Denmark	18.1	17.9	19.1	18.4	16.7	15.2	14.0	**12.9**	0.3%
Itlay	5.5	5.6	5.5	6.1	5.8	5.9	5.2	**4.6**	0.1%
Kazakhistan	48.2	52.4	60.6	62.6	66.1	68.4	72.0	**78.0**	2.0%
Norway	157.3	153.0	149.9	138.2	128.7	118.6	114.1	**108.3**	2.8%
Romania	6.1	5.9	5.7	5.4	5.0	4.7	4.7	**4.5**	0.1%
Russian Federation	379.6	421.4	458.8	470.0	480.5	491.3	488.5	**494.2**	12.9%
Turkmenistan	9.0	10.0	9.6	9.5	9.2	9.8	10.2	**10.2**	0.3%
United Kingdom	115.9	106.1	95.4	84.7	76.6	76.8	71.7	**68.0**	1.8%
Uzbekistan	7.2	7.1	6.6	5.4	5.4	4.9	4.8	**4.5**	0.1%
Other Europe & Eurasia	23.6	24.0	23.4	21.9	21.5	21.3	20.2	**19.0**	0.5%
Total Europe & Eurasia	**786.0**	**818.9**	**850.1**	**844.8**	**847.9**	**859.7**	**850.2**	**854.8**	**22.4%**
Iran	180.9	203.7	207.8	206.3	208.2	209.7	209.9	**202.4**	5.3%
Iraq	104.0	66.1	100.0	90.0	98.1	105.2	119.3	**121.8**	3.2%
Kuwait	98.2	114.8	122.3	129.3	132.7	129.9	137.2	**121.3**	3.2%
Oman	43.4	39.6	38.1	37.4	35.7	34.5	35.9	**38.5**	1.0%
Qatar	35.2	40.8	46.0	47.3	50.9	53.6	60.8	**57.9**	1.5%
Saudi Arabia	425.3	485.1	506.0	526.8	514.3	494.2	515.3	**459.5**	12.0%
Syria	27.2	26.2	24.7	22.4	21.6	20.6	19.8	**18.7**	0.5%
United Arab Emirates	105.4	119.4	125.1	129.0	139.0	135.1	137.3	**120.6**	3.2%
Yemen	21.5	21.1	19.9	19.6	17.9	16.3	14.4	**14.0**	0.4%
Other Middle East	2.2	2.2	2.2	1.6	1.4	1.6	1.5	1.7	*
Total Middle East	**1043.5**	**1119.1**	**1192.3**	**1209.6**	**1200.0**	**1200.8**	**1251.5**	**1156.4**	**30.3%**

Contd....

(Million Tonnes)

Country/Region	2002	2003	2004	2005	2006	2007	2008	**2009**	2009 Share of total
1	2	3	4	5	6	7	8	**9**	10
Algeria	70.9	79.0	83.6	86.4	86.2	86.5	85.6	**77.6**	2.0%
Angola	44.6	42.8	54.5	69.0	69.6	82.5	92.2	**87.4**	2.3%
Cameroon	3.6	3.4	4.5	4.2	4.4	4.2	4.3	**3.7**	0.1%
Chad	-	1.2	8.8	9.1	8.0	7.5	6.7	**6.2**	0.2%
Rep. of Congo (Brazzaville)	11.9	11.1	11.2	12.7	13.5	11.5	12.9	**14.1**	0.4%
Egypt	37.0	36.8	35.4	33.9	33.7	34.1	34.6	**35.3**	0.9%
Equatorial Guinea	9.9	12.1	17.2	18.6	18.0	18.6	17.4	**15.2**	0.4%
Gabon	14.7	12.0	11.8	11.7	11.7	11.5	11.8	**11.4**	0.3%
Libya	64.6	69.8	76.5	81.9	84.9	85.0	85.3	**77.1**	2.0%
Nigeria	102.3	109.3	119.0	122.1	117.8	112.1	103.1	**99.1**	2.6%
Sudan	11.9	13.1	14.9	15.0	16.3	23.1	23.7	**24.1**	0.6%
Tunisia	3.5	3.2	3.4	3.4	3.3	4.6	4.2	**4.1**	0.1%
Other Africa	3.0	3.5	3.6	3.5	3.2	4.2	3.9	**3.9**	0.1%
Total Africa	**377.9**	**397.2**	**444.3**	**471.6**	**470.7**	**485.3**	**485.6**	**459.3**	**12.0%**
Australia	31.5	26.6	24.8	24.5	23.4	24.1	23.8	**23.6**	0.6%
Brunei	10.2	10.5	10.3	10.1	10.8	9.5	8.5	**8.2**	0.2%
China	166.9	169.6	174.1	180.8	183.7	186.7	195.1	**189.0**	4.9%
India	35.2	35.4	36.3	34.6	35.8	36.1	36.1	**35.4**	0.9%
Indonesia	63.0	57.7	55.2	53.0	49.9	47.4	49.9	**49.0**	1.3%
Malaysia	34.5	35.6	36.5	34.4	33.5	34.2	34.6	**33.2**	0.9%
Thailand	8.2	9.6	9.1	10.8	11.8	12.5	13.3	**13.6**	0.4%
Vietnam	17.3	17.7	20.8	19.4	17.8	16.4	15.4	**16.8**	0.4%
Other Asia Pacific	9.0	9.1	10.5	12.5	13.2	13.9	14.7	**14.2**	0.4%
Total Asia Pacific	**375.7**	**371.8**	**377.6**	**380.1**	**379.8**	**380.8**	**391.5**	**383.1**	**10.0%**
Total World	**3577.5**	**3695.1**	**3869.7**	**3898.6**	**3910.0**	**3901.4**	**3934.7**	**3820.5**	**100.0%**

Notes: Growth rates are adjusted for leap years.

*Includes crude oil, shale oil, oil sands and NGLs (the liquid content of natural gas where this is recovered separately).

Excludes liquid fuels from other sources such as biomass and coal derivatives. w: other Less than 0.05%.

Source: BP Statistical Review of World Energy, 2010.

XI.3 Crude Oil Production by OPEC Member Countries

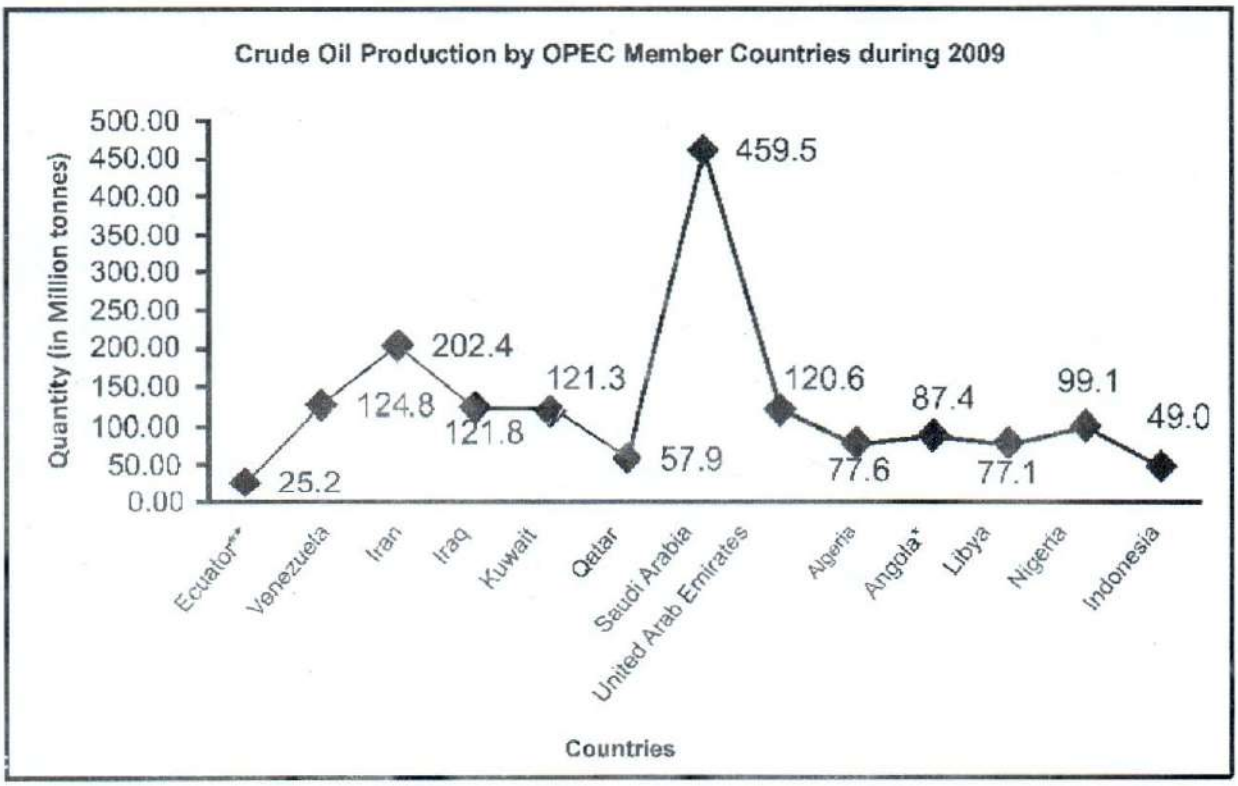
(Million Tonnes)

OPEC Countries	2002	2003	2004	2005	2006	2007	2008	2009	2009 share of total
1	2	3	4	5	6	7	8	9	10
Ecuador**	20.4	21.7	27.3	27.6	27.7	26.5	26.2	25.2	0.7%
Venezuela	148.8	131.4	150.0	151.0	144.2	133.9	131.5	124.8	3.3%
Iran	180.9	203.7	207.8	206.3	208.2	209.7	209.9	202.4	5.3%
Iraq	104.0	66.1	100.0	90.0	98.1	105.2	119.3	121.8	3.2%
Kuwait	98.2	114.8	122.3	129.3	132.7	129.9	137.2	121.3	3.2%
Qatar	35.2	40.8	46.0	47.3	50.9	53.6	60.8	57.9	1.5%
Saudi Arabia	425.3	485.1	506.0	526.8	514.3	494.2	515.3	459.5	12.0%
United Arab Emirates	105.4	119.4	125.1	129.0	139.0	135.1	137.3	120.6	3.2%
Algeria	70.9	79.0	83.6	86.4	86.2	86.5	85.6	77.6	2.0%
Angola*	44.6	42.8	54.5	69.0	69.6	82.5	92.2	87.4	2.3%
Libya	64.6	69.8	76.5	81.9	84.9	85.0	85.3	77.1	2.0%
Nigeria	102.3	109.3	119.0	122.1	117.8	112.1	103.1	99.1	2.6%
Indonesia	63.0	57.7	55.2	53.0	49.9	47.4	49.9	49.0	1.3%
Total OPEC	**1463.6**	**1541.6**	**1673.5**	**1719.7**	**1723.6**	**1701.8**	**1753.7**	**1623.6**	**100.0%**

Notes: * Angola joined OPEC in 2007.

** Ecuador joined OPEC in 1973, suspended its membership from December 1992—Oct. 2007.

Source: BP Statistical Review of World Energy, 2010.



XI.4 World Production of Natural Gas*

Million tonnes oil equivalent

Country/Region	2002	2003	2004	2005	2006	2007	2008	**2009**	2009 share of Total
1	2	3	4	5	6	7	8	9	10
US	489.9	494.7	480.7	467.7	479.3	499.6	525.0	**541.8**	20.1%
Canada	169.1	166.2	165.3	168.7	169.6	165.7	156.1	**145.3**	5.4%
Mexico	35.0	37.0	38.4	40.5	46.4	48.6	48.6	**52.4**	1.9%
Total North America	**694.0**	**698.0**	**684.4**	**676.8**	**695.3**	**713.9**	**729.7**	**739.4**	**27.4%**
Argentina	32.5	36.9	40.4	41.1	41.5	40.3	39.7	**37.2**	1.4%
Bolivia	4.4	5.7	8.8	10.7	11.6	12.4	12.9	**11.0**	0.4%
Brazil	8.3	9.0	9.9	9.9	10.2	10.2	12.6	**10.7**	0.4%
Colombia	5.5	5.5	5.7	6.0	6.3	6.8	8.2	**9.5**	0.4%
Trinidad & Tobago	16.2	23.7	24.6	27.9	32.8	35.1	35.4	**36.5**	1.4%
Venezuela	25.6	22.7	25.6	24.7	28.3	28.8	26.3	**25.1**	0.9%
Others S. & Cent. America	3.4	3.3	3.6	4.5	5.2	5.9	6.4	**6.3**	0.2%
Total S. & Cent. America	**96.0**	**106.8**	**118.6**	**124.8**	**136.0**	**139.6**	**141.4**	**136.4**	**5.1%**
Azerbaijan	4.2	4.2	4.1	4.7	5.5	8.8	13.3	**13.3**	0.5%
Denmark	7.5	7.2	8.5	9.4	9.4	8.3	9.1	**7.6**	0.3%
Germany	15.3	15.9	14.7	14.2	14.1	12.9	11.7	**11.0**	0.4%
Italy	12.1	11.5	10.7	10.0	9.1	8.0	7.6	**6.7**	0.2%
Kazakhstan	9.2	11.3	18.0	20.3	21.5	24.1	26.8	**29.0**	1.1%
Netherlands	54.3	52.2	61.6	56.3	55.4	54.5	60	**56.4**	2.1%
Norway	59.0	65.8	70.6	76.5	78.9	80.7	89.3	**93.1**	3.5%
Poland	3.6	3.6	3.9	3.9	3.9	3.9	3.7	**3.7**	0.1%
Romania	11.9	11.7	11.5	11.2	10.7	10.4	10.2	**9.8**	0.4%
Russian Federation	484.9	505.4	516.0	522.1	535.6	532.8	541.5	**474.8**	17.6%
Turkmenistan	43.6	48.1	47.5	51.3	54.3	58.9	59.5	**32.7**	1.2%
Ukraine	15.3	15.8	16.5	16.7	16.9	16.9	17.1	**17.3**	0.6%
United Kingdom	93.2	92.6	86.7	79.4	72.0	64.9	62.7	**53.7**	2.0%
Uzbekistan	46.7	46.8	48.8	48.6	49.0	53.2	56.0	**58.0**	2.2%
Other Europe & Eurasia	10.1	9.6	9.9	9.7	10.3	9.7	9.2	**8.6**	0.3%
Total Europe & Eurasia	**870.8**	**901.7**	**929.0**	**934.2**	**946.5**	**947.9**	**977.7**	**875.7**	**32.5%**

Million tonnes oil equivalent

Country/Region	2002	2003	2004	2005	2006	2007	2008	2009	2009 share of total
1	2	3	4	5	6	7	8	9	10
Bahrain	8.5	8.7	8.8	9.6	10.2	10.6	11.4	**11.5**	0.4%
Iran	67.5	73.4	76.4	93.2	97.7	100.7	104.7	**118.1**	4.4%
Kuwait	8.5	9.9	10.7	11.0	11.3	10.9	11.5	**11.3**	0.4%
Oman	13.5	14.9	16.7	17.8	21.3	21.6	21.7	**22.3**	0.8%
Qatar	26.6	28.3	35.3	41.2	45.6	56.9	69.3	**80.4**	3.0%
Saudi Arabia	51.0	54.1	59.1	64.1	66.2	67.0	72.4	**69.7**	2.6%
Syria	5.5	5.6	5.8	4.9	5.1	5.0	4.9	**5.2**	0.2%
United Arab Emirates	39.1	40.3	41.7	43.0	44.1	45.3	45.2	**44.0**	1.6%
Other Middle East	2.4	1.6	2.3	3.1	3.7	3.7	4.0	**4.1**	0.2%
Total Middle East	**222.5**	**236.6**	**256.6**	**287.9**	**305.2**	**321.7**	**345.0**	**366.4**	**13.6%**
Algeria	72.3	74.5	73.8	79.4	76.0	76.3	77.2	**73.3**	2.7%
Egypt	24.6	27.1	29.7	38.3	49.2	50.1	53.1	**56.4**	2.1%
Libya	5.3	5.0	7.3	10.2	11.9	13.8	14.3	**13.8**	0.5%
Nigeria	12.8	17.3	20.5	20.2	25.6	31.5	31.5	**22.4**	0.8%
Other Africa	6.8	6.4	8.4	10.1	10.6	13.0	16.7	**17.6**	0.7%
Total Africa	**121.7**	**130.3**	**139.6**	**158.1**	**173.4**	**184.7**	**192.8**	**183.5**	**6.8%**
Australia	29.3	29.9	31.7	33.4	35.0	36.0	34.4	**38.1**	1.4%
Bangladesh	10.3	11.1	11.9	13.1	13.8	14.6	16.1	**17.8**	0.7%
Brunei	10.3	11.1	11.0	10.8	11.3	11.0	10.9	**10.3**	0.4%
China	29.4	31.5	37.3	44.4	52.7	62.3	72.3	**76.7**	2.8%
India	24.8	26.6	26.3	26.7	26.4	27.1	27.5	**35.3**	1.3%
Indonesia	62.7	65.9	63.3	64.1	63.2	60.9	62.7	**64.7**	2.4%
Malaysia	43.5	46.6	48.5	55.0	57.0	58.1	58.5	**56.4**	2.1%
Myanmar	7.6	8.6	9.2	11.0	11.3	12.2	11.2	**10.4**	0.4%
New Zealand	5.1	3.9	3.5	3.2	3.3	3.6	3.4	**3.6**	0.1%
Pakistan	22.1	27.4	31.0	32.0	32.5	33.1	33.8	**34.1**	1.3%
Thailand	18.5	19.6	20.1	21.3	21.9	23.4	25.9	**27.8**	1.0%
Vietnam	2.2	2.1	3.7	6.2	6.1	6.4	7.1	**7.2**	0.3%
Other Asia Pacific	4.7	5.8	5.6	6.3	9.1	11.2	12.3	**12.2**	0.5%
Total Asia Pacific	**270.5**	**290.1**	**303.2**	**327.4**	**343.6**	**360.0**	**376.1**	**394.6**	**14.6%**
Total World	**2275.6**	**2363.5**	**2431.4**	**2509.1**	**2600.0**	**2667.8**	**2762.7**	**2696.0**	**100.0%**

Notes: *Excluding gas flared or recyled.
Growth rates are adjusted for leap years.
Source: BP Statistical Review of World Energy, 2010.

XI.5 World Consumption of Natural Gas

Million tonnes oil equivalent

Country/Region	2002	2003	2004	2005	2006	2007	2008	**2009**	2009 share of total
1	2	3	4	5	6	7	8	**9**	10
US	593.7	575.3	577.3	568.5	560.0	597.3	599.5	**588.7**	22.2%
Canada	81.2	87.9	85.6	88.3	87.3	87.0	88.4	**85.2**	3.2%
Mexico	41.2	45.2	48.0	48.0	54.8	56.8	59.4	**62.7**	2.4%
Total North America	**716.0**	**708.8**	**710.9**	**704.8**	**702.1**	**741.1**	**747.4**	**736.6**	**27.8%**
Argentina	27.2	31.1	34.1	36.4	37.6	39.5	40.0	**38.8**	1.5%
Brazil	12.7	14.2	16.8	17.4	18.5	19.8	22.7	**18.3**	0.7%
Chile	6.6	7.2	7.8	7.5	7.0	4.1	2.4	**3.0**	0.1%
Colombia	5.5	5.4	5.7	6.0	6.3	6.7	6.8	**7.8**	0.3%
Ecuador	0.2	0.2	0.3	0.3	0.7	0.5	0.4	**0.4**	*
Peru	0.4	0.5	0.8	1.4	1.6	2.4	3.1	**3.1**	0.1%
Venezuela	25.6	22.7	25.6	24.7	28.3	28.9	27.6	**26.8**	1.0%
Other S. & Cent. America	13.6	15.8	14.7	16.6	21.7	22.3	24.0	**22.9**	0.9%
Total S.& Cent. America	**91.9**	**97.1**	**105.7**	**110.3**	**121.7**	**124.2**	**126.9**	**121.2**	**4.6%**
Austria	7.7	8.5	8.5	9.0	8.5	8.0	8.6	**8.4**	0.3%
Azerbaijan	6.8	7.0	7.5	7.7	8.2	7.2	8.2	**6.9**	0.3%
Belarus	14.5	14.3	16.1	16.5	17.1	17.0	17.3	**145.5**	0.5%
Belgium & Luxembourg	13.4	14.4	14.9	14.9	15.3	15.2	15.3	**15.6**	0.6%
Bulgaria	2.4	2.5	2.5	2.8	2.9	3.0	3.0	**2.2**	0.1%
Czech Republic	7.8	7.8	8.2	8.6	8.4	7.8	7.8	**7.4**	0.3%
Denmark	4.6	4.7	4.7	4.5	4.6	4.1	4.1	**4.0**	0.1%
Finland	3.6	4.0	3.9	3.6	3.8	3.5	3.6	**3.2**	0.1%
France	36.5	38.7	40.5	39.6	37.9	38.2	39.4	**38.4**	1.4%
Germany	74.3	77.0	77.3	77.6	78.5	74.6	73.1	**70.2**	2.6%
Greece	1.9	2.2	2.4	2.5	2.9	3.6	3.8	**3.0**	0.1%
Hungary	10.6	11.9	11.7	12.1	11.5	10.7	10.6	**9.1**	0.3%
Iceland	—	—	—	—	—	—	—	—	—
Republic of Ireland	3.7	3.7	3.7	3.5	4.0	4.3	4.5	**4.3**	0.2%
Italy	58.1	64.1	66.5	71.2	69.7	70.0	70.0	**64.5**	2.4%
Kazakhstan	9.6	11.6	13.4	16.9	18.2	17.5	18.1	**17.7**	0.7%
Luthuania	2.6	2.8	2.8	2.9	2.9	3.3	2.9	**2.5**	0.1%
Netherlands	35.8	36.0	36.8	35.3	34.3	33.3	34.7	**35.0**	1.3%
Norway	3.6	3.9	4.1	4.0	4.0	3.8	3.9	**3.7**	0.1%
Poland	10.1	10.1	11.8	12.3	12.3	12.3	12.5	**12.3**	0.5%
Portugal	2.8	2.7	3.4	3.8	3.7	3.9	4.2	**3.9**	0.1%
Romania	15.5	16.5	15.7	15.8	16.3	14.5	14.4	12.2	0.5%
Russian Federation	330.9	346.4	354.7	360.2	367.7	379.9	374.4	**350.7**	13.2%
Slovakia	5.8	5.7	5.5	5.9	5.4	5.1	5.2	**5.1**	0.2%
Spain	18.8	21.3	24.7	29.1	30.3	31.6	34.8	**31.1**	1.2%
Sweden	0.7	0.7	0.7	0.7	0.8	0.9	0.8	**1.0**	*

Million tonnes oil equivalent

Country/Region	2002	2003	2004	2005	2006	2007	2008	2009	2009 share of total
1	2	3	4	5	6	7	8	9	10
Switzerland	2.5	2.6	2.7	2.8	2.7	2.6	2.8	**2.7**	0.1%
Turkey	15.6	18.8	19.9	24.2	27.4	31.6	32.4	**28.9**	1.1%
Turkmenistan	11.6	12.8	13.5	14.5	16.5	19.1	17.1	**17.8**	0.7%
Ukraine	60.9	62.1	61.7	62.1	60.3	56.9	54.0	**42.3**	1.6%
United Kingdom	85.6	85.8	87.7	85.2	80.9	81.9	84.4	**77.9**	2.9%
Uzbekistan	45.8	41.2	39.1	38.4	37.7	41.3	43.8	**43.9**	1.7%
Other Europe & Eurasia	12.2	12.7	14.0	14.2	14.7	15.2	14.7	**12.6**	0.5%
Total Europe & Eurasia	**916.5**	**954.5**	**980.5**	**1002.8**	**1009.3**	**1022.0**	**1024.6**	**952.8**	**35.9%**
Iran	71.3	74.6	77.9	94.5	97.8	101.7	107.4	**118.5**	4.5%
Kuwait	8.5	9.9	10.7	11.0	11.3	10.9	11.5	**12.1**	0.5%
Qatar	10.0	11.0	13.5	16.8	17.6	17.7	18.2	**19.0**	0.7%
Saudi Arabia	51.0	54.1	59.1	64.1	66.2	67.0	72.4	**69.7**	2.6%
United Arab Emirates	32.8	34.1	36.2	37.8	39.0	44.3	53.5	**53.2**	2.0%
Other Middle East	22.2	22.5	25.0	27.1	30.4	31.2	35.7	**38.6**	1.5%
Total Middle East	**195.8**	**206.1**	**222.4**	**251.3**	**262.3**	**272.8**	**298.7**	**311.0**	**11.7%**
Algeria	18.2	19.3	19.8	20.9	21.4	21.9	22.8	**24.0**	0.9%
Egypt	23.9	26.7	28.5	28.4	32.9	34.5	36.8	**38.3**	1.4%
South Africa	-	-	-	-	-	-	-	-	-
Other Africa	16.2	18.4	21.3	22.1	21.5	25.4	26.9	**22.3**	0.8%
Total Africa	**58.2**	**64.4**	**69.6**	**71.4**	**75.7**	**81.8**	**86.5**	**84.6**	**3.2%**
Australia	20.2	20.2	20.5	19.7	21.1	23.1	23.0	**23.1**	0.9%
Bangladesh	10.3	11.1	11.9	13.1	13.8	14.6	16.1	**17.8**	0.7%
China	26.3	30.5	35.7	42.1	50.5	62.6	73.2	**79.8**	3.0%
China Hong Kong SAR	2.6	1.7	2.4	2.4	2.6	2.0	2.3	**2.3**	0.1%
India	24.8	26.6	28.7	32.1	33.5	36.1	37.2	**46.7**	1.8%
Indonesia	29.6	31.5	29.0	29.9	29.9	28.2	30.0	**33.0**	1.2%
Japan	65.4	71.8	69.3	70.7	75.4	81.2	84.4	**78.7**	3.0%
Malaysia	23.5	24.5	21.3	26.9	29.7	29.7	30.2	**28.3**	1.1%
New Zealand	5.1	3.9	3.5	3.2	3.3	3.6	3.4	**3.6**	0.1%
Pakistan	22.1	27.4	31.0	32.0	32.5	33.1	33.8	**34.1**	1.3%
Philippines	1.6	2.4	2.2	3.0	2.4	2.8	3.0	**3.0**	0.1%
Singapore	4.5	4.8	5.9	5.9	7.7	7.7	8.3	**8.7**	0.3%
South Korea	20.8	21.8	25.5	27.3	28.8	31.2	32.1	**30.4**	1.1%
Taiwan	7.4	7.6	9.2	9.2	10.0	10.6	10.5	**10.2**	0.4%
Thailand	24.2	26.0	26.9	29.3	30.0	31.8	33.6	**35.3**	1.3%
Other Asia Pacific	5.4	5.9	7.8	10.9	11.0	11.7	12.3	**11.9**	0.4%
Total Asia Pacific	**293.8**	**317.5**	**330.8**	**357.7**	**382.8**	**410.2**	**433.2**	**446.9**	**16.8%**
Total World	**2272.2**	**2348.4**	**2420.0**	**2498.3**	**2553.9**	**2652.1**	**2717.3**	**2653.1**	**100.0%**

Note: Growth rates are adjusted for leap years.

The difference between these world consumption figures and the world production statistics is due to variations in stocks at storage facilities and liquefaction plants, together with unavoidable disparities in the definition, measurement or conversion of gas supply and demand data.

w: Less than 0.05%

Source: BP Statistical Review of World Energy, 2010.

XI.6 Productivity of Producing Well in OPEC

Member Countries During 2009

Country	Average Depth (Feet)	Wells: Folowing	Wells: Artificial Lift	Wells: Total	Av-daily Produiction ('000' bbl)	t/w/d
1	2	3	4	5	6	7
Algeria	9547	1193	394	1587	1216.0	104.5
Angola	9060	721	586	1307	1738.9	181.5
Ecuador	9730	79	3217	3296	464.7	19.2
I.R. Iran	7224	1834	19	1853	3557.1	261.8
Iraq	5435	1439	218	1657	2336.2	192.3
Kuwait	8181	926	72	998	2261.6	309.1
Sp.Libya A.J.	6583	985	697	1682	1473.9	119.5
Nigeria	9095	1779	568	2347	1872	107.1
Qater	10039	288	139	427	733	234.1
Saudi Arabia	8061	1710	113	1823	8184.0*	612.3
Saudi-Kuwait						
Neutral Zone	6550	278	483	761	na	#VALUE!
U.A.E	8679	1132	384	1516	2241.6	201.7
Venezuela	5757	614	12328	12942	2878.1	30.3
Total OPEC	**7995**	**12977 $**	**19218**	**32195**	**28927.1**	**122.6**
Total World	**6077 #**	**30449 $&**	**1244444**	**1479228**	**69025.9**	**6.4**

Notes: #: Excluding Eastern Europe. Summation of wells by category may not equal total due to unavailability of individual data for some countries. &: Including Eastern Europe.

$: Summation of wells by category may not equal the total for OPEC due to lack of data for some countries.

*: Figures include share of production from Neutral Zone. t/w/d: toone/well/day na: Not available

Source: OPEC Annual Statistical Bulletin, 2009.

XI.7 World Oil Refining Capacity

(Thousand barrels daily *)

Country/Region	2002	2003	2004	2005	2006	2007	2008	2009	2009 share of total
1	2	3	4	5	6	7	8	9	10
US	16757	16894	17125	17339	17443	17594	17672	**17688**	19.5%
Canada	1923	1959	1915	1896	1914	1907	1951	**1976**	2.2%
Mexico	1463	1463	1463	1463	1463	1463	1463	**1463**	1.6%
Total North America	**20143**	**20316**	**20503**	**20698**	**20821**	**20964**	**21086**	**21127**	**23.3%**
Argentina	619	620	623	627	623	634	634	**635**	0.7%
Brazil	1854	1915	1915	1916	1916	1935	2045	**2066**	2.3%
Netherlands Antilles	320	320	320	320	320	320	320	**320**	0.4%
Venezuela	1291	1291	1306	1311	1311	1311	1311	**1311**	1.4%
Other S. & Cent. Amer	2234	2223	2229	2245	2259	2309	2362	**2355**	2.6%
Total S. & Cent. Ame	**6318**	**6369**	**6393**	**6419**	**6429**	**6509**	**6672**	**6687**	**7.4%**
Belgium	803	805	782	778	774	745	745	**745**	0.8%
France	1987	1967	1982	1978	1959	1962	1971	**1971**	2.2%
Germany	2286	2304	2320	2322	2390	2390	2366	**2362**	2.6%
Greece	412	412	412	418	425	425	425	**425**	0.5%
Itlay	2485	2485	2497	2515	2526	2497	2396	**2396**	2.6%
Netherlands	1282	1282	1284	1274	1274	1236	1280	**1280**	1.4%
Norway	310	310	310	310	310	310	310	**310**	0.3%
Russian Federation	5590	5454	5457	5522	5599	5616	5596	**5616**	6.2%
Spain	1330	1347	1372	1377	1377	1377	1377	**1377**	1.5%
Sweden	422	422	422	422	422	422	422	**422**	0.5%
Turkey	713	713	693	613	613	613	613	**613**	0.7%
United Kingdom	1785	1813	1848	1819	1836	1819	1827	**1713**	1.9%
Other Europe & Euras	5754	5691	5687	5650	5537	5568	5619	**5691**	6.3%
Total Europe & Euras	**25159**	**25005**	**25066**	**24999**	**25042**	**24981**	**24947**	**24920**	**27.5%**
Iran	1597	1607	1642	1642	1727	1772	1805	**1860**	2.1%
Iraq	740	740	740	743	665	770	779	**804**	0.9%
Kuwait	809	909	931	931	931	931	931	**931**	1.0%
Saudi Arabia	1810	1890	2075	2100	2100	2100	2100	**2100**	2.3%
United Arab Emiratas	711	645	620	620	620	625	673	**673**	0.7%
Other Middle East	1248	1248	1248	1248	1283	1339	1345	**1491**	1.6%
Total Middle East	**6915**	**7039**	**7256**	**7284**	**7326**	**7537**	**7633**	**7859**	**8.7%**
Total Africa	**3219**	**3168**	**3107**	**3225**	**3046**	**3024**	**3178**	**3263**	**3.6%**
Australia	829	756	763	711	694	733	734	**734**	0.8%
China	5479	5487	6289	6587	7029	7511	7812	**8635**	9.5%
India	2303	2293	2558	2558	2872	2983	2992	**3574**	3.9%
Indonesia	1092	1057	1057	1057	1127	1157	1068	**1106**	1.2%
Japan	4721	4683	4567	4529	4542	4598	4650	**4621**	5.1%
Singapore	1255	1255	1255	1255	1255	1255	1385	**1385**	1.5%
South Korea	2598	2598	2598	2598	2633	2671	2712	**2712**	3.0%
Taiwan	1159	1159	1159	1159	1140	1197	1197	**1197**	1.3%
Thailand	1068	1068	1068	1078	1125	1125	1175	**1240**	1.4%
Other Asia Pacific	1487	1416	1410	1428	1435	1443	1459	**1602**	1.8%
Total Asia Pacific	**21990**	**21771**	**22724**	**22959**	**23851**	**24673**	**25184**	**26806**	**29.6%**
Total World	**83742**	**83668**	**85049**	**85584**	**86515**	**87687**	**88699**	**90662**	**100.0%**

Notes: Annual changes and shares of total are calculated using thousand barrels daily figures.
* Atmospheric distillation capacity on a calendar-day basis.
Excludes Lithuania prior to 1985 and Slovenia prior to 1991.
Note: Annual changes and shares of total are calculated using thousand barrels daily figures.
Source: BP Statistical Review of World Energy, 2010.

XI.8 World Refinery Crude Throughput

(Thousand barrels daily*)

Country/Region	2002	2003	2004	2005	2006	2007	2008	**2009**	2009 share of total
1	2	3	4	5	6	7	8	**9**	10
US	14947	15304	15475	15220	15242	15156	14648	**14313**	19.5%
Canada	1862	1880	1957	1882	1835	1834	1809	**1736**	2.4%
Mexico	1390	1436	1436	1415	1407	1395	1392	**1392**	1.9%
S. & Cent. America	4941	5040	5430	5411	5356	5479	5384	**4770**	6.5%
Europe & Eurasia	19459	19952	20413	20783	20824	20804	20676	**19639**	26.7%
Middle East	5482	5566	5805	6007	6276	6361	6423	**6400**	8.7%
Africa	2377	2301	2304	2493	2352	2360	2485	**2378**	3.2%
Australasia	855	823	820	757	749	767	756	**761**	1.0%
China	4395	4823	5382	5916	6155	6563	6953	**7523**	10.2%
Japan	3986	4118	4038	4136	4026	3995	3946	**3627**	4.9%
Other Asia Pacific	8833	9247	9901	10021	10315	10584	10513	**10973**	14.9%
Total World	**68527**	**70490**	**72962**	**74041**	**74537**	**75298**	**74986**	**73512**	**100.0%**

Note: Annual changes and shares of total are calculated using thousand barrels daily figures.
* Input to primary distilallion units only.
Source: BP Statistical Review of World Energy, 2010.

XI.9 Country-wise World Oil Consumption*

(Million tonnes)

Country/Region	2002	2003	2004	2005	2006	2007	2008	2009	2009 share of total
1	2	3	4	5	6	7	8	9	10
US	897.4	912.3	948.8	951.4	943.8	942.3	888.5	**842.9**	21.7%
Canada	92.2	95.9	100.6	100.3	899.6	102.9	101.7	**97.0**	2.5%
Mexico	81.5	83.7	85.2	87.7	86.8	89.2	88.9	**85.6**	2.2%
Total North America	1071.1	1091.8	1134.6	1139.4	1130.2	1134.3	1079.0	**1025.5**	26.4%
Argentina	17.1	17.6	18.4	19.7	20.5	23.0	23.8	**22.3**	0.6%
Brazil	91.6	87.8	88.4	89.5	92.1	99.0	104.8	**104.3**	2.7%
Chile	10.4	10.5	11.1	11.7	12.3	16.1	16.7	**15.4**	0.4%
Colombia	9.4	9.4	9.7	10.3	10.7	10.4	9.1	**8.8**	0.2%
Ecuador	5.9	6.2	6.3	7.5	8.2	8.9	9.4	**9.9**	0.3%
Peru	6.9	6.5	7.2	7.0	6.8	7.1	7.9	**8.5**	0.2%
Venezuela	27.0	22.0	24.2	25.9	27.4	26.7	27.2	**27.4**	0.7%
Other S. & Cent. America	57.0	58.1	58.7	58.8	60.4	61.2	60.0	**59.4**	1.5%
Total S. & Cent. America	225.4	218.1	223.9	230.5	238.3	252.4	258.8	**256.0**	6.6%
Austria	13.1	14.2	13.8	14.2	14.2	13.4	13.5	**13.0**	0.3%
Azerbaijan	3.7	4.3	4.6	5.3	4.8	4.5	3.5	**2.8**	0.1%
Belarus	7.1	7.2	7.4	7.1	8.0	7.3	8.4	**9.3**	0.2%
Belgium & Luxembourg	33.5	36.4	38.4	39.9	41.1	41.0	40.1	**38.5**	1.0%
Bulgaria	4.5	5.2	4.7	4.9	5.2	5.1	4.6	**4.4**	0.1%
Czech Republic	8.1	8.7	9.5	9.9	9.8	9.7	9.9	**9.7**	02%
Denmark	9.6	9.2	9.1	9.2	9.3	9.3	8.9	**8.2**	02%
Finland	10.9	11.4	10.6	11.0	10.6	10.6	10.5	**9.9**	03%
France	92.9	93.1	94.0	93.1	93.0	91.4	90.8	**87.5**	2.3%
Germany	127.4	125.1	124.0	122.4	123.6	112.5	118.9	**113.9**	2.9%
Greece	20.3	19.7	21.4	21.2	22.2	21.7	21.4	**20.2**	0.5%
Hungary	6.4	6.3	6.5	7.5	7.8	7.7	7.5	**7.3**	0.2%
Iceland	0.9	0.9	1.0	1.0	1.0	1.2	1.0	**1.0**	□
Republic of Ireland	8.8	8.5	8.9	9.3	9.3	9.4	9.0	**8.0**	0.2%
Italy	92.9	92.1	89.7	86.7	86.7	84.0	80.4	**75.1**	1.9%
Kazakhstan	9.3	9.9	10.8	11.0	11.4	11.5	12.4	**12.0**	0.3%
Lithuania	2.5	2.4	2.6	2.8	2.8	2.8	3.1	**2.9**	0.1%
Netherlands	44.7	45.1	47.3	50.8	52.2	53.8	51.4	**49.4**	1.3%
Norway	9.4	9.9	9.6	9.7	10.0	10.2	9.9	**9.7**	0.3%
Poland	19.4	19.9	21.1	21.9	23.3	24.2	25.3	**25.5**	0.7%
Portugal	16.2	15.2	15.4	16.0	14.4	14.4	13.6	**12.9**	0.3%
Romania	10.6	9.4	10.9	10.5	10.3	10.3	10.4	**9.9**	0.3%
Russian Federation	123.5	123.4	123.3	121.9	127.1	126.3	131.4	**124.9**	3.2%
Slovakia	3.5	3.3	3.2	3.8	4.0	4.1	4.3	**3.9**	0.1%
Spain	73.8	75.5	77.6	78.8	78.1	78.8	77.1	**72.9**	1.9%
Sweden	15.2	15.9	15.3	15.1	15.5	14.7	14.5	**13.7**	0.4%
Switzerland	12.4	12.1	12.0	12.2	12.6	11.3	12.1	**12.3**	0.3%
Turkey	30.6	31.0	31.0	30.2	29.5	30.5	30.9	**28.8**	0.7%
Turkmenistan	3.8	4.2	4.2	4.4	5.3	5.0	5.2	**5.2**	0.1%
Ukraine	13.2	13.5	14.2	13.5	14.1	15.5	15.3	**14.1**	0.4%
United Kingdom	78.0	79.0	81.7	83.0	82.3	79.2	77.9	**74.4**	1.9%
Uzbekistan	6.1	6.9	6.5	5.3	5.0	4.8	4.9	**4.9**	0.1%
Other Europe & Eurasia	22.5	23.7	24.1	25.8	26.3	27.7	28.3	**27.6**	0.7%
Total Europe & Eurasia	935.0	942.7	954.5	959.6	970.4	954.0	956.7	**913.9**	23.

(Million tonnes)

Country/Region	2002	2003	2004	2005	2006	2007	2008	2009	2009 share of total
1	2	3	4	5	6	7	8	9	10
Iran	67.1	71.0	73.7	77.3	80.8	80.9	84.9	**83.6**	2.2%
Kuwait	13.0	14.1	15.7	17.3	15.8	16.0	17.5	**19.2**	0.5%
Qatar	3.5	4.0	4.6	5.5	6.1	6.9	7.8	**8.2**	0.2%
Saudi Arabia	75.2	80.9	87.0	91.4	95.6	102.5	111.3	**121.8**	3.1%
United Arab Emirates	16.1	16.6	17.7	19.0	20.3	21.6	23.0	**21.8**	0.6%
Other Middle East	69.0	67.1	69.7	71.8	75.6	77.4	80.2	**81.7**	2.1%
Total Middle East	243.9	253.7	268.4	282.3	294.2	305.3	324.8	**336.3**	8.7%
Algeria	9.7	10.1	10.6	11.0	11.5	12.9	14.0	**14.9**	0.4%
Egypt	25.2	25.9	26.8	29.8	28.7	30.6	32.6	**33.7**	0.9%
South Africa	23.0	23.8	24.4	24.3	24.9	25.9	25.1	**24.3**	0.6%
Other Africa	61.9	62.6	64.5	66.2	65.4	67.9	71.2	**71.2**	1.8%
Total Africa	119.9	122.5	126.3	131.4	130.5	137.3	143.0	**144.2**	3.7%
Australia	38.0	38.3	38.8	39.8	41.4	41.7	42.5	**42.7**	1.1%
Bangladesh	3.9	4.0	4.0	4.6	4.5	4.5	4.5	**4.5**	0.1%
China	247.4	271.7	318.9	327.8	347.7	306.4	380.3	**404.6**	10.4%
China Hong Kong SAR	12.9	13.0	15.4	13.9	14.9	16.0	14.5	**14.0**	0.4%
India	111.3	113.1	120.2	119.6	120.4	132.9	143.6	**148.5**	3.8%
Indonesia	57.0	58.2	61.6	61.4	59.5	60.3	61.9	**62.0**	1.6%
Japan	243.6	248.9	241.1	244.1	237.5	229.3	221.9	**197.6**	5.1%
Malayasia	22.1	21.7	22.4	21.5	21.0	22.0	21.8	**21.4**	0.6%
New Zealand	6.4	6.9	6.9	7.1	7.2	7.2	7.3	**6.8**	0.2%
Pakistan	17.9	15.8	16.0	15.3	17.6	19.2	19.3	**20.6**	0.5%
Philippines	15.5	15.5	15.9	14.8	13.3	14.0	12.2	**12.1**	0.3%
Singapore	35.5	33.9	38.1	40.9	44.0	47.4	50.4	**52.1**	1.3%
South Korea	104.7	105.6	104.9	105.4	105.5	108.3	103.1	**104.3**	2.7%
Taiwan	47.6	50.9	51.3	51.3	51.7	52.5	48.3	**46.6**	1.2%
Thailand	38.3	40.9	45.3	46.9	46.2	45.1	43.6	**44.2**	1.1%
Other Asia Pacific	17.9	18.5	19.6	20.2	20.2	21.4	22.3	**24.1**	0.6
Total Asia Pacific	1020.0	1056.9	1120.4	1134.6	1152.5	1186.2	1197.5	**1206.2**	31.1%
Total World	**3615.2**	**3685.8**	**3828.1**	**3877.08**	**3916.2**	**3969.5**	**3959.9**	**3882.1**	**100.0%**

Notes: Growth rates are adjusted for leap years.

* Inland demand plus international aviation and marine bunkers and refinery fuel and loss. Consumption of fuel ethanol and biodiesel is also included.

* Less than 0.05%.

Differences between these world consumption figures and world production statistics on page 9 are accounted for by stock changes, consumption of non-petroleum additives and substitute fuels, and unavoidable disparities in the definition, measurement or conversion of oil supply and demand data.

Source: BP Statistical Review of World Engery, 2010.

XI.10 Product-wise Regional Consumption of Main Petroleum Products

(Thousand barrels daily)

Country/Region	2002	2003	2004	2005	2006	2007	2008	**2009**	2009 share of total
1	2	3	4	5	6	7	8	**9**	10
North America									
Light distillates	10523	10675	10979	11020	11131	11205	10859	**10803**	47.3%
Middle distillates	6655	6861	7133	7249	7297	7318	6934	**6332**	27.7%
Fuel oil	1209	1271	1340	1396	1055	1082	950	**814**	3.6%
Others	5278	5243	5446	5359	5420	5416	5051	**4877**	21.4%
Total North America	23665	24050	24898	25023	24904	25020	23795	**22826**	100.0%
of which: US									
Light distillates	9167	9275	9518	9548	9599	9597	9253	**9221**	49.3%
Middle distillates	5735	5886	6116	6198	6226	6199	5801	**5281**	28.3%
Fuel oil	686	763	859	914	683	718	618	**518**	2.8%
Others	4172	4109	4239	4143	4178	4166	3826	**3666**	19.6%
Total US	19761	20033	20732	20802	20687	20680	19498	**18686**	100.0%
S. & Cent. America									
Light distillates	1491	1472	1436	1535	1619	1714	1776	**1812**	32.0%
Middle distillates	1647	1641	1762	1796	1840	1989	2041	**2011**	35.6%
Fuel oil	768	728	719	719	736	793	802	**791**	14.0%
Others	1007	913	955	997	1016	1037	1062	**1040**	18.4%
Total S. & Cent. America	4913	4754	4871	5047	5210	5533	5681	**5653**	100.0%
Europe									
Light distillates	4106	4017	3967	3864	3744	3666	3445	**3328**	21.6%
Middle distillates	6934	7137	7347	7595	7853	7759	7888	**7642**	49.6%
Fuel oil	1995	1952	1888	1855	1773	1664	1631	**1491**	9.7%
Others	3037	3064	3121	3189	3180	3142	3115	**2947**	19.1%
Total Europe	16072	16171	16324	16503	16550	16231	16078	**15407**	100.0%
Former Soviet Union									
Light distillates	908	938	937	947	1006	1065	1117	**1112**	28.0%
Middle distillates	1041	1082	1113	1146	1184	1250	1321	**1222**	30.8%
Fuel oil	666	639	576	550	608	492	475	**421**	10.6%
Others	1072	1110	1189	1155	1150	1166	1202	**1210**	30.5%
Total Former Soviet Union	3688	3769	3815	3798	3948	3973	4115	**3965**	100.0%
Middle East									
Light distillates	1065	1141	1263	1368	1399	1418	1512	**1583**	22.2%
Middle distillates	1689	1741	1793	1865	2028	2079	2216	**2257**	31.6%
Fuel oil	1301	1282	1354	1440	1475	1586	1682	**1776**	24.9%
Others	1109	1230	1296	1336	1345	1385	1454	**1530**	21.4%
Total Middle East	5164	5394	5706	6010	6247	6469	6864	**7146**	100.0%
Africa									
Light distillates	597	622	653	657	642	666	709	**719**	23.3%
Middle distillates	1080	1117	1131	1169	1196	1288	1332	**1356**	44.0%
Fuel oil	424	381	390	432	411	415	432	**420**	13.6%
Others	451	495	518	542	536	563	573	**586**	19.0%
Total Africa	2552	2614	2691	2800	2786	2931	3045	**3082**	100.0%

(Thousand barrels daily)

Country/Region	2002	2003	2004	2005	2006	2007	2008	**2009**	2009 share of total
1	2	3	4	5	6	7	8	**9**	10
Asia Pacific									
Light distillates	6108	6385	6752	6894	6946	7277	7475	**7817**	30.1%
Middle distillates	8044	8183	8707	8956	9012	9155	9360	**9326**	35.9%
Fuel oil	3368	3518	3530	3522	3601	3592	3415	**3083**	11.9%
Others	4372	4585	4969	4959	5161	5438	5412	**5771**	22.2%
Total Asia Pacific	21891	22671	23957	24331	24721	25462	25662	**25998**	100.0%
of which China									
Light disillates	1352	1489	1673	1776	1853	1983	2175	**2398**	27.8%
Middle distillates	1791	1945	2285	2528	2723	2879	3180	**3237**	37.5%
Fuel oil	792	880	956	904	938	892	754	**695**	8.1%
Others	1352	1489	1858	1777	1896	2017	1977	**2295**	26.6%
Total China	5288	5803	6772	6984	7410	7771	8086	**8625**	100.0%
of which Japan									
Light distillates	1759	1788	1793	1822	1813	1790	1674	**1674**	38.1%
Middle distillates	1930	1904	1856	1876	1758	1619	1500	**1380**	31.4%
Fuel oil	637	755	660	683	664	664	713	**454**	10.3%
Others	1021	993	960	963	979	966	959	**888**	20.2%
Total Japan	5347	5440	5269	5343	5213	5039	4846	**4396**	100.0%
World									
Light distillates	24797	25250	25987	26285	26488	27011	26893	**27173**	32.3%
Middle distillates	27091	27762	28985	29777	30409	30837	31091	**30146**	35.9%
Fuel oil	9732	9772	9797	9913	9661	9623	9386	**8797**	10.5%
Others	16326	16639	17493	17537	17809	18147	17869	**17961**	21.4%
Total World	**77945**	**79424**	**82261**	**83513**	**84367**	**85619**	**85239**	**84077**	**100.0%**
European Union									
Light distillates	3844	3766	3719	3628	3509	3441	3236	**3136**	22.2%
Middle distillates	6404	6592	6796	6996	7221	7105	7201	**6962**	49.2%
Fuel oil	1792	1743	1703	1705	1651	1552	1519	**1387**	9.8%
Others	2758	2767	2816	2875	2879	2828	2819	**2659**	18.8%
Total European Union	14797	14868	15032	15204	15260	14926	14775	**14143**	100.0%
OECD									
Light distillates	17470	17590	17847	17862	17882	17949	17249	**17121**	37.8%
Middle distillates	16295	16684	17095	17483	17676	17459	17065	**16097**	35.5%
Fuel oil	4163	4294	4205	4237	3784	3693	3518	**2972**	6.6%
Others	9748	9709	9926	9906	9981	9908	9522	**9137**	20.2%
Total OECD	47676	48277	49073	49489	49323	49008	47353	**45327**	100.0%
Other EMEs++									
Light distillates	6418	6722	7203	7477	7600	7998	8528	**8941**	25.7%
Middle distillates	9754	9997	10777	11147	11549	12129	12705	**12827**	36.9%
Fuel oil	4902	4838	5016	5127	5268	5439	5393	**5403**	15.5%
Others	5506	5820	6378	6475	6678	7073	7145	**7614**	21.9%
Total Other EMEs	26581	27377	29374	30226	31096	32639	33771	**34785**	100.0%

Notes: Annual changes and shares of total are calculated using thousand barrels daily figures.
'Light distillates' consists of aviation and motor gasolines and light distillate feedstock (LDF).
'Middle distillates' consists of jet and heating kerosenes, and gas and diesel oils (including marine bunkers).
'Fuel oil' includes marine bunkers and crude oil used directly as fuel.
'Others' consists of refinery gas, liquefied petroleum gas (LPG), solvents, petroleum coke, lubricants, bitumen, wax, other refined products and refinery fuel and loss.
Source: BP Statistical Review of World Energy, 2010.

XI.11 World Oil Production, Consumption and Relative Deficit/Surplus in each Country/Region

Country/Region	2008				2009*			(Million Tonnes)
	Production	Consumption	Deficit/ Surplus	%extent of dependence	Production	Consumption	Deficit/ Surplus	%extent of dependence
1	2	3	4	5	6	7	8	9
North America	620.4	1079	-458.6	-42.5	628.5	1025.5	-397	-38.7
South & Central America	335.5	258.8	76.7	29.6	338.5	256	82.5	32.2
Middel East	1251.5	324.8	926.7	285.3	1156.4	336.3	820.1	243.9
Africa	485.6	143	342.6	239.6	459.3	144.2	315.1	218.5
Asia Pacific	391.5	1197.5	-806	-67.3	383.1	1206.2	-823.1	-68.2
Of which India	36.1	143.6	-107.5	-74.9	35.4	148.5	-113.1	-76.2
Japan	-	221.9	-221.9	-100.0	-	197.6	#VALUE!	#VALUE!
China	195.1	380.3	-185.2	-48.7	189.0	404.6	-215.6	-53.3
Australia	23.8	42.5	-18.7	-44	23.6	42.7	191	-44.7
OECD	864.4	2182.7	-1318.3	-60.4	860.1	2072.7	-1212.6	58.5
Europe & Eurasia	850.4	956.7	-106.5	-11.1	854.8	913.9	-59.1	-6.5
Former Soviet Union	3934.7	192.3	3742.4	1946.1	643.9	184.1	459.8	249.8
Total World	**3928.8**	**3959.9**	**-31.1**	**-0.8**	**3820.5**	**3882.1**	**-61.6**	**-1.6**

Note: *Provisional

Source: BP Statistical Review of World Energy. June 2010

XI. 12 World Crude Oil and Petroleum Products Imports and Exports during 2009

Region/Country	Imports		Exports		Imports		Exports	
	Crude	Product	Crude	Product	Crude	Product	Crude	Product
	(Million Tonnes)				(Thousands barrels daily)			
1	2	3	4	5	6	7	8	9
US	442.8	122.0	2.2	89.5	8893	2550	44	1871
Canada	39.1	15.3	96.5	25.7	785	320	1938	538
Mexico	0.5	21.0	63.8	8.0	9	439	1282	168
S. & Cent. America	25.1	41.3	128.9	54.4	504	863	2588	1137
Europe	513.3	152.0	23.1	72.9	10308	3177	464	1523
Former Soviet Union	0.9	3.2	342.0	105.1	18	67	6868	2197
Middle East	7.0	10.5	822.1	91.6	140	219	16510	1916
North Africa	18.4	10.0	111.1	25.3	369	209	2232	528
West Africa	†	12.1	212.3	5.3	1	254	4263	110
East & Southern Africa	21.9	5.7	14.8	0.3	439	119	297	6
Australia	22.8	17.1	12.8	2.0	458	358	258	42
China	203.5	49.8	4.7	29.4	4086	1041	94	614
India	145.8	10.4	0.1	35.4	2928	217	1.9	740
Japan	176.5	35.3	—	16.5	3545	738	—	345
Singapore	46.3	79.8	2.3	72.0	930	1668	47	1505
Other Asia Pacific	228.6	127.6	40.2	59.9	4590	2667	807	1252
Unidentified*	—	0.9	15.5	20.6	—	18	311	430
Total World	**1892.5**	**714.0**	**1892.5**	**714.0**	**38005**	**14925**	**38005**	**14925**

Note: Bunkers are not included as exports. Intra-area movements (for example, between countries in Europe) are excluded.

* Inlcudes changes in the quantity of oil in transit, movements not otherwise shown, unidentified military use, etc.

† Less than 0.05.

Source: BP Statistical Review of World Energy, 2010.

XI.13 Export of Crude Oil and Refined Petroleum Products from OPEC

(1,000 bbl/day)

Country	2002	2003	2004	2005	2006	2007	2008	2009*
1	2	3	4	5	6	7	8	9
				Crude Oil				
Algeria	1,093.5	1,269.3	1,339.2	1,422.2	1,382.3	1,704.8	1,297.6	747
Angola	866.0	836.3	954.5	960.8	1,024.5	1,184.2	1,065.2	1770
Ecuador	303.2	294.4	401.3	399.6	410.8	381.7	390.7	329
Indonesia	792.3	588.3	556.2	516.7	527.0	426.2	390.6	na
I.R. Iran	2,421.6	2,729.5	3,023.6	2,796.5	2,838.8	2,855.1	2,713.0	2232
Iraq	1,517.1	399.1	1,461.5	1485.7	1,524.1	1,708.6	1,940.1	1906
Kuwait	1,710.2	1,866.0	2,019.0	2,265.0	2,472.9	2,352.0	2,446.4	1348
S.P. Libyan AJ	1,204.6	1,271.9	1,446.0	1,468.8	1,608.7	1,576.2	1,560.0	1170
Nigeria	1,876.4	2,231.2	2,422.9	2,375.2	2,298.7	2,197.5	2,113.2	2160
Qatar	635.1	602.2	607.6	754.1	701.4	689.0	800.0	647
Saudi Arabia	6,278.1	7,651.5	8,147.5	8,594.3	8,306.9	8,100.9	8,380.0	6268
UAE	2,099.5	2,561.6	2,675.6	2,704.0	2,873.1	2,750.4	2,638.8	1953
Venezuela	2,141.7	2,020.0	2.140.0	2,397.1	2.517.8	2,754.4	2,681.9	1608
OPEC	**22,939.5**	**24,321.4**	**27,194.9**	**28,140.0**	**28,487.0**	**28,681.1**	**28,418.2**	**22139**
				Refined Petroleum Products				
Algeria	527.2	528.3	446.0	451.9	435.1	451.3	456.7	232.5
Angola	16.8	13.4	13.6	13.9	14.2	26.6	20.7	40.8
Ecuador	59.9	27.4	27.6	19.7	34.5	40.0	42.2	33.5
Indonesia	152.4	155.3	143.5	142.3	225.7	106.9	260.8	na
I.R. Iran	328.0	333.2	339.6	402.1	461.6	388.3	274.9	300.8
Iraq	22.5	10.5	11.5	13.5	56.3	65.6	84.9	26.2
Kuwait	572.2	623.1	604.2	614.2	749.5	739.1	707.9	673.5
S.P. Libyan AJ	221.1	145.4	161.5	162.5	183.1	198.4	156.7	136.1
Nigeria	78.2	67.7	66.9	49.3	50.3	53.4	49.2	12.1
Qatar	67.3	61.5	64.9	76.8	81.1	73.9	97.8	120.5
Saudi Arabia	993.5	1,128.6	1,334.4	1,385.4	1,277.8	1,138.8	1,058.3	1008.4
UAE	485.5	513.6	503.6	509.0	452.8	407.7	304.4	374.1
Venezuela	569.7	485.0	573.8	609.3	598.5	638.8	912.3	963,6
OPEC	4,094.3	4,092.9	4,291.0	4,449.7	4,620.02	4,328.9	4,426.7	3922.1

Note: Includes changes in the quantity of oil in transit, movements not otherwise shown, unspecified use, etc. Totals may not add up due to independent rounding.

Source: OPEC Annual Statistical Bulletin 2009.

XI.14 World Imports of Natural Gas by Country

(Million Standard Cubic Metres)

Country	2002	2003	2004	2005	2006	2007	2008	2009
1	2	3	4	5	6	7	8	9
NORTH AMERICA	**118,870**	**121,230**	**131,800**	**132,910**	**125,760**	**143,850**	**130.250**	**126.660**
Canada	5,530	7,930	11,150	10,140	9,370	13,200	15,900	20,830
United States	113,520	113,300	120,650	122,770	116,390	130,650	114,350	105,830
LATIN AMERICA	**18,700**	**21,480**	**27,730**	**26,460**	**28,750**	**26,300**	**29,810**	**28,910**
Argentina	-	-	800	1,730	1,800	1,680	1,300	2,660
Brazil	5,260	5,320	7,600	8,970	9,860	10,020	11,030	8,440
Chile	5,340	6.060	7,200	6,100	5,950	2,380	750	1,490
Dominican Republic	-	300	130	250	250	480	470	560
Mexico	7,450	9,000	11,200	8,640	10,050	10,810	13,880	13,160
Puerto Rico	630	740	680	670	720	740	810	760
Uruguay	20	60	120	100	120	90	70	40
EASTERN EUROPE	**42,250**	**44,730**	**51,390**	**174,830**	**198,170**	**187,110**	**195,490**	**143,460**
Bulgaria	2,800	2,800	2,800	2,850	2,850	3,050	3,100	2,640
Czech Republic				9,480	9,480	8,630	8,610	8,030
Estonia	-	-	970	900	1,000	1,000	630	710
Hungary	10,290	10,300	11,000	12,290	11,600	10,450	14,200	8,100
Kazakhistan				4,000	5,000	6,600	5,800	5,400
Latvia	-	-	1,750	1,700	1,700	1,200	750	1,190
Lithuania	-	-	2,930	2,900	2,900	3,400	3,090	2,770
Maldova				2,600	2,550	2,700	2,800	2,900
Poland	7,830	8,710	9,810	10,210	10,390	9,280	10,280	9,150
Romania	3,700	5,700	6,200	6,250	5,300	4,500	4,500	2,050
Russia				27,400	53,500	51,500	56,200	28,400
Slovak Republic				6,400	6,300	5,600	5,600	5,400
Ukraine				61,100	56,000	54,000	56,200	45,000
WESTERN EUROPE	**285,125**	**309,674**	**336,060**	**364,480**	**379,860**	**378,760**	**400,860**	**389,570**
Austria	6,730	7,800	7,880	8,810	7,800	7,000	8,100	7,980
Belgium	16,200	17,800	21,700	21,980	22,450	21,080	20,740	21,000
Finland	4,400	4,840	4,610	4,200	4,520	4,320	4,500	4,100
France	43,110	41,900	47,300	49,030	49,580	46,920	49,250	49,060
Germany	83,790	85,9980	88,700	90,750	90,920	82,900	87,100	88,820
Greece	2,020	2,450	2,750	2,860	3,190	4,010	4,140	3,290
Ireland	3,430	3,700	3,350	2,950	3,400	4,700	5,000	5,080
Italy	57,725	62,100	67,700	73,630	77,350	73,880	76,870	69,310
Luxembourg	900	1,200	1,400	1,400	1,500	1,300	1,200	1,300
Netherlands	12,270	16,700	15,300	18,190	18,610	18,360	17,970	17,210
Portugal	2,680	3,350	3,560	4,200	4,070	4,140	4,560	4,410
Spain	20,900	23,994	27,400	33,440	35,160	35,130	39,060	35,430
Sweden	1,280	1,250	1,050	1,030	1,080	1,110	1,000	1,310
Switzerland	2,770	2,920	2,770	3,250	2,980	2,990	3,190	3,090
Turkey	17,720	21,520	22,200	27,030	31,060	36,160	36,850	33,180
United Kingdom	5,100	7,510	13,400	16,520	21,360	29,960	36,540	41,060
MIDDLE EAST	**4,900**	**6,281**	**7,500**	**17,680**	**18,830**	**25,800**	**35,310**	**39,100**
Iran, I.R.	4,900	5,731	5,200	5,800	5,800	7,300	7,100	5,800
Jordan	-	350	1,100	1,280	1,930	2,350	2,750	2,850
United Arab Emirates	-	200	1,200	10,600	11,100	16,150	24,970	25,450
AFRICA	**2,290**	**2,090**	**2,490**	**4,070**	**3,900**	**4,150**	**4,950**	**5,250**
South Africa	-	-	1,190	2,270	2,600	2,900	3,200	3,500
Tunisia	1,690	1,490	1,300	1,800	1,300	1,250	1,250	1,250
ASIA PACIFIC	**113,150**	**125,870**	**131,800**	**139,250**	**149,970**	**165,150**	**175,130**	**172,260**
China	-	-	-	-	1,000	3,870	4,440	7,630
India	-	-	2,600	6,040	7,990	9,980	10,790	12,620
Japan	72,770	79,770	76,000	78,160	81,860	88,820	92,250	85,900
Korea, South	24,320	26,320	29,800	30,450	34,140	34,390	36,550	34,330
Singapore	2,660	5,320	6,600	6,130	5,800	7,680	9,970	10,800
Taiwan	7,200	7,480	9,300	9,610	10,200	11,010	12,080	11,790
Thailand	6,200	7,070	7,500	8,860	8,980	9,400	8,550	8,290
TOTAL WORLD	**585,285**	**631,355**	**688,770**	**859,680**	**905,240**	**931,120**	**971,800**	**905,210**

Source: OPEC Annual Statistical Bulletin, 2009.

XI.15 World Imports of Petroleum Products by Country

(1,000 Barrels/Day)

Country	2002	2003	2004	2005	2006	2007	2008	2009
1	2	3	4	5	6	7	8	9
NORTH AMERICA	**1643.6**	**2765.5**	**2502.0**	**2914.0**	**2754.8**	**2713.1**	**2415.1**	**2103.6**
Canada	188.5	238.0	261.2	298.5	291.8	282.3	329.8	279.4
United States	1450.7	2523.0	2236.3	2610.9	2458.2	2425.9	2080.4	1819.2
Others	4.4	4.5	4.5	4.6	4.8	5.0	5.0	5.0
LATIN AMERICA	**1422.0**	**1366.0**	**1450.3**	**1526.1**	**1696.6**	**1960.3**	**2052.6**	**1904.7**
Brazil	292.8	228.8	215.7	222.1	261.3	320.1	343.5	310.6
Cuba	130.5	43.1	70.8	72.4	74.7	77.2	78.6	79.9
Mexico	242.0	282.3	307.1	343.0	364.2	426.6	477.7	454.5
Netherland Antilles	33.5	49.3	62.7	61.3	63.5	65.9	66.0	66.0
Panama	17.6	17.7	18.2	29.9	24.5	43.1	43.0	42.9
Puerto Rico	99.5	99.9	102.5	105.2	108.1	111.2	106.3	101.3
Others	606.2	644.8	673.4	692.1	800.3	916.3	937.6	849.5
EASTERN EUROPE	**226.7**	**331.1**	**372.4**	**398.9**	**418.2**	**397.7**	**352.8**	**349.8**
Bulgaria	10.9	26.2	30.0	36.3	37.6	34.1	30.2	30.3
Ex USSR	10.0	9.8	10.0	10.4	10.7	11.1	11.4	10.6
Hungary	39.4	35.2	35.1	42.4	44.1	47.3	44.8	44.1
Poland	66.6	111.8	139.0	160.7	165.8	138.8	120.2	120.1
Others	99.8	148.0	158.3	149.1	160.1	166.4	146.2	144.7
WESTERN EUROPE	**4960.6**	**5265.1**	**5572.2**	**6118.5**	**6449.8**	**5984.0**	**6207.3**	**6399.0**
Belgium	299.6	320.7	354.5	415.3	394.5	356.8	439.0	360.8
France	568.9	552.1	647.5	743.1	755.3	693.4	699.5	775.9
Germany	729.8	333.8	691.2	711.8	755.3	582.8	704.3	661.0
Italy	315.1	287.7	283.2	269.6	270.4	241.9	230.3	223.9
Netherlands	1028.3	1071.1	1174.6	1340.9	1555.7	1368.1	1459.2	1670.6
United Kingdom	270.1	341.8	382.8	467.4	556.4	494.6	436.7	485.4
Others	1748.7	1958.0	2038.5	2170.3	2199.3	2246.3	2238.4	2221.4
MIDDLE EAST	**345.2**	**483.8**	**544.3**	**461.9**	**512.2**	**577.3**	**555.2**	**543.1**
Syrian Arab Rep.	20.6	20.9	21.7	20.5	21.2	22.0	20.7	19.4
Others	324.6	462.9	522.7	441.3	490.9	555.3	534.5	523.8
AFRICA	**532.7**	**737.0**	**725.3**	**773.7**	**805.0**	**867.3**	**826.1**	**862.8**
Egypt	52.0	38.8	68.6	75.9	82.0	91.8	103.1	139.0
Morocco	29.1	86.6	66.6	77.2	80.0	83.0	81.8	80.6
Nigeria	102.0	229.3	173.6	154.3	154.8	171.3	129.3	130.3
Senegal	9.8	14.3	15.4	23.9	24.6	25.3	25.3	25.3
Tunisia	50.7	60.8	66.2	63.8	65.7	67.8	67.8	67.8
Others	289.2	307.1	335.0	378.7	397.8	428.1	418.7	419.7
ASIA & FAR EAST	**5303.7**	**5690.3**	**6101.4**	**5872.8**	**6412.7**	**6451.3**	**6813.9**	**7009.3**
Australia	99.4	148.9	202.3	224.6	255.0	252.9	339.6	340.2
China	660.1	567.8	762.1	634.1	733.4	680.8	803.5	877.2
Hong Kong	390.4	295.0	348.0	324.8	343.9	364.5	330.8	398.8
India	455.5	173.7	192.8	233.3	281.6	415.2	408.1	483.0
Japan	970.6	1322.4	1343.8	1044.9	1058.7	954.2	933.5	929.3
New Zealand	29.6	40.2	43.3	38.5	42.5	50.7	44.3	44.2
Singapore	629.5	1269.3	1150.3	1293.9	1496.1	1648.5	1678.2	1668.0
Others	2068.6	1872.9	2058.8	2078.7	2201.5	2084.6	2275.9	2268.6
TOTAL WORLD	**14434.6**	**16638.7**	**17268.0**	**18065.9**	**19049.3**	**18951.0**	**19223.1**	**19172.3**

Sources: OPEC Annual Statistical Bulletin, 2009.

XI.16 World Crude Oil Export by Country

(1,000 Barrels/Day)

Country	2002	2003	2004	2005	2006	2007	2008	2009
1	2	3	4	5	6	7	8	9
NORTH AMERICA	**1174.50**	**12151.70**	**1375.90**	**1378.20**	**1393.40**	**1422.10**	**1564.10**	**1534.90**
Canada	1154.00	1231.60	1355.50	1357.90	1372.80	1401.20	1525.40	1491.30
United States	20.60	20.10	20.40	20.30	20.60	20.90	38.70	43.70
LATIN AMERICA	**4477.70**	**4523.10**	**4605.70**	**4739.10**	**4900.20**	**4727.90**	**4478.80**	**4271.30**
Columbia	300.20	239.20	227.60	231.20	233.80	243.60	346.10	358.40
Ecuador	243.30	267.00	373.70	380.00	376.30	341.70	348.40	329.00
Mexico	1955.80	2114.10	2123.80	2021.40	2047.70	1738.40	1445.80	1311.70
Trinidad and Tobago	71.20	74.50	70.60	69.70	71.00	26.00	10.30	9.20
Venezuela	1572.00	1535.00	1566.20	1787.80	1919.40	2115.60	1769.60	1608.30
Others	335.20	293.20	243.90	249.10	252.20	261.90	558.60	654.70
EASTERN EUROPE	**5583.70**	**6481.90**	**4827.00**	**5344.40**	**5542.70**	**5878.70**	**5658.20**	**6230.10**
Ex USSR	5581.70	6479.50	4822.00	5335.10	5523.90	5864.30	5646.30	5607.80
Others	2.00	2.40	5.00	9.30	18.80	14.50	12.00	22.20
WESTERN EUROPE	**4792.60**	**4419.00**	**4354.80**	**3740.10**	**3443.20**	**3222.20**	**2785.60**	**2774.50**
Norway	2821.70	2681.00	2730.80	2377.10	2209.80	2011.60	1702.30	1773.30
United Kingdom	1639.50	1389.70	1249.40	1009.40	927.90	933.20	839.80	775.50
Others	331.40	348.30	374.60	353.60	305.50	277.50	243.50	225.80
MIDDLE EAST	**13799.60**	**14591.40**	**16370.00**	**16896.90**	**16893.70**	**16776.10**	**17439.30**	**15324.40**
Iran	2093.60	2396.30	2684.10	2394.50	2377.20	2466.80	2438.10	2232.00
Iraq	1494.60	388.60	1450.00	1472.20	1467.80	1643.00	1855.20	1905.60
Kuwait	1138.00	1242.90	1414.90	1650.80	1723.40	1612.90	1738.50	1348.30
Oman	888.80	808.40	765.20	760.80	769.20	683.00	592.70	573.70
Qatar	567.80	540.70	542.70	677.30	620.30	615.10	703.10	646.70
Saudi Arabia	5284.60	6522.90	6813.10	7208.90	7029.40	6962.10	7321.70	6267.60
Syrian Arab Republic	377.60	317.00	246.80	247.80	247.80	250.20	252.70	250.20
United Arab Emirates	1614.00	2048.00	2172.00	2195.00	2420.30	2342.70	2334.40	1953.40
Others	340.40	326.60	281.30	289.60	238.30	200.30	202.90	147.00
AFRICA	**5135.30**	**5763.30**	**6380.30**	**6481.50**	**6582.90**	**6883.20**	**6396.90**	**6771.20**
Algeria	566.20	741.00	893.20	970.30	947.20	1253.50	840.90	747.50
Angola	849.30	823.00	940.90	946.90	1010.30	1157.60	1044.50	1769.60
Cameroon	103.90	100.10	94.00	95.30	97.40	98.90	99.30	89.40
Congo	227.20	204.60	215.20	236.60	237.50	239.30	240.20	216.20
Egypt	56.60	52.10	42.80	45.00	57.20	44.00	98.00	102.30
Gabon	215.60	209.30	202.20	202.00	203.80	207.10	208.70	187.80
S.P. Libyan A.J.	983.60	1126.50	1284.50	1306.30	1425.60	1377.80	1403.40	1170.40
Nigeria	1798.20	2163.50	2356.00	2326.00	2248.40	2144.10	2098.10	2160.40
Others	334.70	343.20	351.50	353.30	355.60	360.80	363.90	327.50
ASIA AND PACIFIC	**2342.40**	**2095.10**	**2005.80**	**1961.10**	**1876.60**	**1923.00**	**1743.40**	**1612.80**
Australia	386.20	314.10	283.60	230.00	234.60	239.30	239.30	248.10
Brunei	193.50	198.40	188.90	198.90	200.70	182.30	163.90	151.80
China (P.R.)	154.80	168.20	109.40	161.20	125.80	76.10	107.10	104.20
Indonesia	639.90	433.00	412.70	374.40	301.30	319.30	294.10	250.40
Malaysia	378.20	391.70	375.50	382.60	390.70	400.60	402.30	371.80
Vietnam	335.20	335.10	395.70	362.80	365.00	275.60	206.40	202.10
Others	254.60	254.50	240.10	251.20	258.70	297.80	330.30	284.40
TOTAL WORLD	**37305.80**	**39125.40**	**39919.50**	**40541.30**	**40632.70**	**40700.40**	**40066.30**	**38519.10**
OPEC	18601.80	19961.40	22903.90	23690.30	23866.80	24033.00	23895.80	22138.70
OPEC percentage	49.90	51.00	57.40	58.40	58.70	59.00	59.60	57.50

Note: Revision have been made throughout the time series. Data includes re-exports. Nigerian exports inlcude condensates.
Source: OPEC Annual Statistical Bulletin, 2009.

XI.17 World Exports of Refined Products by Country

(1,000 Barrels/Day)

Country	2002	2003	2004	2005	2006	2007	2008	2009
1	2	3	4	5	6	7	8	9
NORTH AMERICA	**1986.4**	**1870.4**	**1360.6**	**1474.9**	**1633.3**	**1673.0**	**2086.3**	**2220.8**
Canada	954.3	944.0	414.9	442.0	463.3	443.1	444.8	431.1
United States	1032.1	926.3	945.6	1032.8	1169.8	1229.8	1641.4	1789.6
Others	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
LATIN AMERICA	**2043.7**	**1942.4**	**2013.8**	**2160.0**	**2229.8**	**2299.4**	**2510.3**	**2432.8**
Brazil	160.9	160.4	185.3	186.7	179.8	192.8	162.8	154.8
Ecuador	44.8	27.4	27.6	19.7	34.5	40.0	42.2	33.5
Mexico	109.0	98.1	82.6	177.7	228.0	221.4	243.5	218.8
Netherland Antilles	216.3	205.2	214.5	219.6	224.2	229.6	231.5	201.5
Trinidad and Tobago	138.0	144.1	126.6	130.2	133.0	104.4	94.2	78.2
Venezuela	569.7	485.0	573.8	609.3	598.5	638.8	912.3	963.6
Virgin Islands	388.4	390.5	395.2	402.7	410.3	419.0	421.3	394.3
Others	416.6	431.7	408.3	414.2	421.5	453.4	402.6	388.1
EASTERN EUROPE	**1800.7**	**1879.1**	**2098.2**	**2076.1**	**2113.5**	**2015.4**	**1450.0**	**1613.3**
Romania	57.9	66.0	66.9	67.7	68.6	95.3	101.4	196.0
Ex USSR	1582.0	1657.7	1868.0	1836.0	2364.0	1729.5	1126.9	1220.9
Others	160.8	155.4	163.4	172.4	180.9	190.6	221.7	196.3
WESTERN EUROPE	**4876.0**	**4738.3**	**5236.5**	**5586.9**	**5781.5**	**5679.5**	**5679.3**	**5544.6**
Belgium	471.4	414.8	452.1	456.6	432.4	429.5	400.3	343.1
France	408.0	431.1	481.1	562.9	535.0	530.8	570.7	456.6
Germany	386.2	384.3	483.5	535.8	556.7	571.8	516.9	454.0
Italy	452.3	441.1	469.6	550.2	501.6	584.8	527.4	427.3
Netherlands	1404.3	1389.8	1493.7	1604.8	1789.0	1565.3	1644.6	1912.5
United Kingdom	644.2	505.0	625.3	615.5	579.5	611.1	560.8	521.3
Others	1109.5	1172.3	1231.3	1261.2	1387.3	1386.4	1458.5	1420.8
MIDDLE EAST	**2835.8**	**3051.7**	**3220.6**	**3375.8**	**3450.8**	**3199.3**	**2959.8**	**2871.9**
Bahrain	246.0	249.4	243.2	253.0	246.3	253.2	237.9	222.3
Iran	328.0	333.2	339.6	402.1	461.6	388.3	274.9	300.8
Iraq	22.5	10.5	11.5	13.5	56.3	65.6	84.9	26.2
Kuwait	572.2	623.1	604.2	614.2	749.5	739.1	707.9	673.5
Qatar	67.3	61.5	64.9	76.8	81.1	73.9	97.8	120.5
Saudi Arabia	993.5	1128.6	1334.4	1385.4	1277.6	1138.8	1058.3	1008.4
United Arab Emirates	485.5	513.6	503.6	509.0	452.8	407.7	359.0	374.1
Others	120.8	131.8	119.3	121.9	125.6	132.7	139.1	146.1
AFRICA	**1168.4**	**1083.4**	**1032.8**	**1019.7**	**1025.8**	**1077.0**	**1010.5**	**755.1**
Algeria	527.2	528.3	446.0	451.9	435.1	451.3	456.7	232.5
Angola		13.4	13.6	13.9	14.2	26.6	40.7	40.8
Egypt	92.4	90.8	82.6	7.3	68.4	64.7	67.0	63.6
Gabon	7.2	73.0	7.3	7.3	7.3	7.4	7.4	6.1
Nigeria	78.2	67.7	66.9	49.3	50.3	53.4	19.2	12.1
S.P. Libyan A.J.	221.1	145.4	161.5	162.5	183.1	198.4	156.7	136.1
Others	242.4	230.6	255.0	261.1	267.5	275.2	262.8	263.8
ASIA AND PACIFIC	**2912.2**	**3149.7**	**3487.5**	**3673.4**	**3910.3**	**4262.9**	**5055.4**	**5291.0**
Australia	134.5	126.6	139.1	96.9	84.3	63.9	50.2	49.4
China (P.R.)	265.0	329.7	336.3	329.7	323.2	313.3	455.6	522.8
Indonesia	152.4	155.3	143.5	142.3	225.7	106.9	102.8	82.5
Japan	72.3	77.8	89.9	173.4	203.6	287.1	405.8	391.0
Malaysia	147.6	214.6	221.2	229.6	238.4	247.9	189.3	286.0
Singapore	906.6	977.7	1083.4	1124.6	1167.3	1474.5	1623.4	1766.0
Others	1233.8	1268.0	1474.1	1576.8	1667.7	1769.3	2228.5	2193.3
TOTAL WORLD	**17623.3**	**17714.9**	**18450.2**	**19266.8**	**20045.0**	**20106.7**	**20751.5**	**20729.3**
OPEC	4017.6	4092.9	4291.0	4449.7	4620.2	4328.9	4210.5	3922.1
OPEC percentage	22.8	23.1	23.3	23.1	23.0	21.5	20.3	19.2

Note: Revision have been made throughout the time series. Data includes re-exports of petroleum products from gas plants.
Source: OPEC Annual Statistical Bulletin, 2009.

XI.18 International Petroleum Crude Price Index

(US$/bbl)

Petroleum Spot	Price							
	2002	2003	2004	2005	2006	2007	2008	2009
1	2	3	4	5	6	7	8	9
U.K. BRENT 38.0/0.26	119.82	137.91	183.01	260.60	311.90	347.30	466.11	295.26
USA WEST TAXAS INTERMEDIATE, 40.0/0.4	106.83	127.11	169.42	231.00	269.99	295.54	408.83	252.98
USA ANS 27.0/1.06	112.91	135.17	177.05	243.70	na	na	na	#VALUE!
UAE DUBAI FATEH 32.5/1.43	116.93	131.35	164.87	242.20	301.96	335.53	460.50	303.39
IRAN LIGHT 33.9/1.4	113.95	130.28	167.64	245.40	295.88	335.76	458.62	296.75
IRAN HEAVY 31.0/1.6	115.97	132.24	166.05	241.00	299.69	336.82	459.52	304.47
INDONESIA MINAS 33.0/0.1	110.06	126.91	158.34	232.20	280.44	316.25	432.72	279.02
NIGERIA BONNY LIGHT, 36.7/0.1	104.10	119.04	158.24	230.40	276.66	311.01	419.78	261.80
MEXICO ISTHUMAS, 31.8/1.51	109.39	128.12	167.66	228.30	271.52	306.49	431.84	275.96
RUSSIA URALS 36.1/2.52	105.68	119.92	152.93	225.30	272.37	308.56	420.90	271.60
MALAYSIA TAPIS 44.3/0.2	88.52	100.45	152.88	215.30	260.27	289.37	388.52	241.73
AUSTRALIA GIPPSLAND, 46.0/0.13	107.83	126.38	171.80	237.80	287.55	319.86	430.40	270.15
SAUDI ARABIA ARAB HEAVY, 28.3/3.0	124.56	140.81	165.90	241.20	302.77	341.93	469.47	320.99

Note: The number below the crude names show the API gravities and percentage of sulphur by weight.

(1990=100) na: Not available

Source: OPEC Annual Statistical Bulletin, 2009.

XI.19 Crude Oil Spot Prices in US $/bbl

Period	Country/Crude Name										
	Kuwait	Libya	Nigeria	Qatar	Saudi Arabia	UAE	Indonesia	I.R.Ran		Iraq	Oman
	Kuwait Exp.	Brega	Forcados	Dukhan	Arab Heavy	Murban	Attacka	Iran Light	Iran Heavy	Basrah Light	Oman
	31.4/2.6	40.4/0.2	41.4/1.1	41.4/1.1	28.0/3.0	39.4/0.8	42.3/0.09	33.9/1.4	31.0/1.6	34.0/2.0	36.3/0.79
1	2	3	4	5	6	7	8	9	10	11	12
2002	23.61	24.96	25.05	24.37	23.38	24.87	25.38	23.52	23.09	23.32	23.94
2003	26.89	28.89	28.65	27.44	26.43	28.25	29.58	26.89	26.34	26.60	27.13
2004	35.08	38.35	38.10	36.05	31.14	36.65	40.87	34.60	33.06	34.60	34.35
2005	48.66	54.22	55.60	53.46	45.28	54.09	57.26	50.66	47.99	48.33	50.48
2006	58.88	65.04	67.07	65.39	56.82	66.07	67.91	61.07	59.27	57.97	62.59
2007	66.35	72.93	74.49	72.33	64.18	72.87	75.44	69.30	67.06	66.40	68.86
2008	91.16	98.12	101.42	98.39	88.12	99.03	102.16	94.66	91.49	92.08	94.51
2009	60.68	62.16	63.35	62.86	60.25	63.78	64.00	61.25	60.62	60.5	62.06
Jan. 2009	40.00	43.89	47.84	44.85	38.31	46.27	45.55	42.33	39.93	39.47	44.28
Feb.	40.34	43.52	47.03	44.26	39.41	44.71	46.87	41.31	39.91	39.66	43.52
Mar.	44.91	47.25	48.59	47.16	43.76	47.75	49.95	46.10	44.52	44.94	45.83
Apr.	50.16	51.24	51.11	51.40	49.48	52.33	51.70	49.69	50.10	51.18	50.16
May	57.93	57.87	59.02	58.76	55.69	59.58	59.01	56.53	56.02	56.47	57.59
June	68.73	69.05	70.15	70.66	68.74	71.50	71.13	68.24	68.16	68.18	69.47
Jul.	64.74	65.31	65.57	65.57	64.80	66.80	67.41	64.93	64.79	64.32	65.08
Aug.	70.97	73.24	73.44	72.14	71.03	73.51	74.52	72.64	71.53	70.73	71.59
Sep.	66.45	67.79	68.42	68.51	66.16	69.79	68.74	67.55	66.43	67.30	68.27
Oct.	72.50	73.06	73.85	73.84	72.35	75.06	74.38	72.86	72.54	72.63	73.34
Nov.	76.54	76.96	77.95	78.32	76.72	79.00	79.26	76.72	76.72	75.55	77.85
Dec.	74.03	74.58	75.40	76.17	74.00	76.84	76.81	73.87	74.34	73.03	75.48

Notes: Upto 2005, prices are averages of weekly fob quotations. As of 2006 based on daily quotations.
Source: OPEC Annual Statistical Bulletin, 2009.

XI.20 Crude Oil Spot Prices in US $/bbl

(Average Unit Value, FOB)

Crude	Country	2002	2003	2004	2005	2006	2007	2008	2009
1	2	3	4	5	6	7	8	9	10
Brent	U.K.	25.02	28.83	38.27	54.52	65.14	72.39	96.99	61.67
WTI	U.S.A	26.16	31.06	41.49	56.59	66.02	72.20	99.56	61.92
WTS	U.S.A	24.80	28.33	37.51	51.97	60.89	67.17	95.77	60.40
Louisiana Light	Louisiana	26.29	31.16	41.54	57.04	67.48	75.26	102.24	64.47
Dubai	UAE	23.85	26.76	33.69	49.54	61.52	68.27	93.56	61.91
Iranian Light	Iran	23.52	26.90	34.62	50.74	61.07	69.30	94.41	61.25
Iranian Heavy	Iran	23.10	26.35	33.03	48.40	59.13	67.68	92.02	60.57
Urals	Russia	23.80	27.07	34.13	50.32	61.22	69.16	94.55	61.15
Minas	Indonesia	25.62	29.50	36.96	54.18	65.18	73.42	100.35	64.97
Tapis	Malaysia	25.72	30.06	41.19	58.13	69.98	77.76	104.23	65.08

Source: Energy Prices and Taxes, 1st quarter of 2009. International Energy Agency Publication.

XI.21 Petroleum Products Spot Prices in US $/bbl

(Average Unit Value, FOB)

Product Country	2002	2003	2004	2005	2006	2007	2008	2009
1	2	3	4	5	6	7	8	9
			NW EUROPE					
Gasoline	29.09	35.46	47.94	63.97	74.17	83.35	100.1	69.21
Gas Oil	27.81	33.99	46.83	67.70	77.47	85.45	122.6	68.74
Jet/Kero	29.25	35.83	50.25	71.18	81.25	89.43	126.6	70.81
Naphtha	24.23	29.99	41.47	52.45	62.23	74.40	87.31	58.76
LSFO	21.81	25.79	25.02	39.18	45.51	53.42	82.06	55.71
HSFO	20.65	23.37	23.91	36.21	45.18	53.39	72.23	54.27
			U.S.A					
Gasoline	30.33	37.04	49.61	65.65	76.68	86.35	102.54	69.70
Gas Oil	28.56	35.51	46.89	68.22	75.70	85.13	119.71	69.02
Jet/Kero	29.83	36.29	50.23	71.98	82.03	90.72	127.13	71.18
Naphtha	..	..	..	..	..	..	..	..
LSFO	22.55	27.46	27.96	41.64	46.05	54.07	76.06	55.89
HSFO	20.99	24.41	25.07	36.26	45.09	54.06	73.13	55.07
			SINGAPORE					
Gasoline	28.05	34.69	47.23	62.38	73.20	82.82	102.64	70.21
Gas Oil	27.55	32.31	45.69	64.35	76.79	84.96	119.53	68.98
Jet/Kero	28.08	32.90	47.49	67.97	80.6	86.77	121.36	69.99
Naphtha	24.93	29.93	40.74	51.12	61.85	75.03	88.70	60.75
LSFO	23.80	28.11	32.86	45.08	50.61	58.27	87.67	53.06
HSFO	22.95	26.25	27.87	40.40	48.60	58.11	78.46	58.21

**Not Available

Source: Energy Prices and Taxes, 1st Quarter of 2009. International Energy Agency Publication.

XI.22 Natural Gas Prices for Industry and Household Use

US $/10 kcal (GCV Basis)

Country	2002	2003	2004	2005	2006	2007	2008	2009*
1	2	3	4	5	6	7	8	9
			A. FOR INDUSTRIAL USE					
Canada	125.3	210.1	223.6	294.2	272.1	258.5	NA	NA
Czech Republic	173.6	203.4	217.5	292.5	402.2	391.7	614.1	528.0
Finland	126.9	158.7	170.3	190.2	248.1	267.9	372.2	332.8
France	182.5	241.8	262.2	330.2	412.2	414.1	607.3	438.9
Greece	181.0	221.5	232.3	312.4	NA	441.4	643.9	441.1
Hungry	143.7	235.7	287.7	345.7	451.7	584.2	748.5	611.4
Ireland	183.3	232.7	291.7	374.0	465.9	c	616.2	483.5
Italy	c	c	300.4	351.8	454.2	491.9	NA	NA
Japan	357.0	384.9	392.5	401.5	435.3	453.9	NA	NA
Korea	NA	NA	341.8	392.4	495.2	551.1	499.5	NA
Mexico	122.7	205.3	300.7	357.1	343.2	347.1	433.2	NA
New Zealand	65.5	106.1	123.3	166.0	187.0	208.8	NA	NA
Poland	173.1	175.9	179.4	224.7	294.3	375.1	580.2	432.7
Portugal	238.1	287.6	258.5	340.3	399.0	457.7	531.9	484.1
Slovak Republic	132.8	220.6	243.0	287.5	379.0	420.3	622.7	510.3
Spain	165.5	204.0	215.6	254.2	354.9	380.3	486.6	433.8
Switzerland	279.2	320.3	352.3	402.6	487.7	576.6	745.1	704.3
Turkey	215.5	228.9	230.3	304.5	352.7	440.8	572.8	476.6
U.K.	146.4	164.7	202.6	298.8	383.8	332.8	NA	NA
U.S.A.	154.4	223.8	252.0	325.2	302.0	291.4	367.1	200.4
OECD	157.3	220.8	253.7	320.5	335.4	336.6	NA	NA
			A. FOR HOUSEHOLD USE					
Austria	379.3	590.6	686.2	729.6	785.0	936.5	1024.3	1042.1
Canada	236.2	339.9	361.4	429.5	481.7	488.4	NA	NA
Czech Republic	274.8	322.4	352.7	429.2	543.4	577.5	848.8	815.0
Denmark	720.1	895.1	1052.8	1252.6	NA	NA	NA	1330.6
Finland	201.6	251.0	269.8	298.1	352.3	383.6	520.6	474.4
France	425.6	521.6	544.3	590.5	706.9	785.7	920.4	847.9
Greece	303.3	392.1	423.6	600.8	NA	1000.2	1214.2	1063.9
Hungary	175.8	243.5	224.6	245.1	298.4	615.4	748.6	716.9
Ireland	376.2	503.5	570.0	657.7	917.0	1099.4	1033.9	1017.1
Italy	c	c	118.3	823.4	936.6	1016.2	NA	NA
Japan	1086.4	1195.2	1271.5	1245.6	1238.6	1236.4	NA	NA
Korea	NA	NA	454.3	527.9	641.4	713.0	633.9	NA
Luxembourg	272.7	342.5	367.7	477.5	558.7	NA	NA	NA
Mexico	NA	NA	545.9	631.9	622.2	631.5	736.1	420.6
Netherlands	457.1	602.4	682.5	800.4	899.7	1031.3	1239.9	1162.6
New Zealand	338.5	570.5	751.4	830.5	778.4	1244.1	NA	NA
Poland	336.9	339.9	369.5	443.2	554.5	688.5	979.8	801.8
Portugal	651.5	794.0	909.1	963.5	1018.3	1051.0	1066.4	959.7
Slovak Republic	125.7	228.9	351.5	419.2	553.7	657.0	785.6	780.3
Spain	496.9	594.2	643.3	684.7	756.9	867.9	1026.8	925.9
Switzerland	494.7	562.5	612.9	670.7	765.5	866.8	1093.1	1000.6
Turkey	254.7	265.3	260.2	362.1	415.4	519.5	659.1	569.0
U.K.	317.0	351.8	423.1	481.9	643.8	753.2	826.0	799.7
U.S.A.	303.8	365.5	412.8	492.1	528.2	499.5	517.2	460.1
OECD	350.7	417.7	491.2	559.8	629.9	664.1	673.2	NA

NA: Not Available;
GCV: Gross Calorific Value; 0.95 tonne of oil is approximately 107 kcal. of Gas.
c: Price is confidential
*: Provisional
Source: Energy Prices and Taxes, 1st Quarter of 2009. International Egengy Publication.

XI.23 Crude Oil Import Costs in US $/bbl

(Average Unit Value, CIF)

Country	2002	2003	2004	2005	2006	2007	2008	2009*
1	2	3	4	5	6	7	8	9
IEA*	24.19	28.38	36.38	50.67	61.80	69.33	97.19	60.40
IEA Europe	24.30	28.39	36.53	51.74	62.77	70.81	96.93	61.09
Australia	25.80	31.24	40.93	56.71	66.71	77.13	107.83	63.14
Austria	24.64	29.59	38.21	53.15	64.44	71.86	103.05	60.69
Belgium	24.35	27.72	35.35	50.06	61.06	70.35	96.01	61.77
Canada	24.97	29.53	38.13	52.37	64.33	70.04	101.41	60.29
France	24.63	28.87	37.61	52.74	63.69	72.22	97.61	61.64
Germany	24.40	28.44	36.65	52.30	63.29	71.60	96.70	61.18
Greece	24.08	27.17	34.53	50.33	60.97	69.93	93.60	60.10
Italy	24.34	28.58	36.60	51.33	62.50	70.20	96.67	60.69
Japan	24.96	29.26	36.59	51.57	64.03	70.09	100.98	61.29
Korea	24.12	28.80	36.15	50.19	62.82	70.01	98.11	61.12
Netherlands	23.99	27.67	35.02	50.00	61.47	68.74	97.89	60.54
New Zealand	25.89	31.00	41.71	56.07	67.36	73.84	105.80	67.91
Spain	23.95	28.13	36.03	50.54	60.99	68.66	94.86	59.78
Sweden	23.86	28.60	36.47	51.78	62.50	70.13	95.09	60.58
UK	24.58	29.13	37.75	53.79	65.00	73.80	99.34	62.39
U.S.A.	23.52	27.66	35.86	48.82	59.15	66.77	94.97	58.82

** Computed across the countries of the region using import volumes as current weights. Korea and Czech Republic are included since January 2001; Hungary is not included. For reasons as confidentially, data for some countries are not listed separately.

* Provisional

Source: International Energy Agency's "Energy Prices and Taxes" 1st Quarter of 2009.

XI.24 Spot Prices of Key OPEC Crude Oils

(US $bbl)

Year/Month	Iran	Kuwait	Nigeria Bonny	Saudi Arbia		UAE
	Light 33.9	Export 31.4	Light 36.7	Light 34.2	Heavy 28.0	Dubai 32.4
1	2	3	4	5	6	7
2002						
January	18.95	18.11	19.65	18.83	18.00	18.54
March	22.31	22.74	23.76	23.33	22.51	22.97
June	22.52	23.80	23.98	24.42	23.49	23.87
September	26.87	26.64	28.46	27.10	26.33	26.72
December	26.40	25.65	29.27	26.56	25.42	25.81
2003						
January	29.13	28.08	30.78	29.1	27.78	28.02
March	27.94	27.81	30.83	28.98	27.33	27.76
June	24.43	25.5	27.46	26.15	25.37	25.46
September	26.66	25.78	27.47	26.41	24.92	25.52
December	28.55	28.25	29.64	29.2	27.1	28.06
2004						
January	29.31	29.16	30.94	29.83	27.49	28.93
March	30.78	30.97	33.34	31.62	29.42	30.77
June	32.67	33.83	36.60	34.70	32.00	33.58
September	38.77	36.12	43.56	36.58	32.38	35.52
December	34.77	34.91	39.08	34.64	29.34	34.16
2005						
January	39.87	38.55	44.01	38.26	33.41	37.78
March	48.50	46.42	53.15	46.85	41.81	45.60
June	52.37	51.15	55.93	52.47	48.34	51.37
September	58.74	54.60	65.60	57.63	51.57	56.41
December	53.20	50.83	57.91	52.84	49.16	53.22
2006						
January	58.99	56.52	64.04	58.43	54.91	58.56
March	58.77	55.80	63.80	57.54	54.08	57.82
June	64.30	62.37	70.22	65.03	59.84	65.22
September	58.56	56.75	63.87	59.72	54.56	59.82
December	56.98	55.69	64.28	57.70	53.72	58.69
2007						
January	49.12	48.42	56.18	50.86	46.15	51.92
March	57.92	56.22	64.60	58.08	54.40	58.80
June	67.99	63.61	74.45	65.92	61.44	65.79
September	74.88	71.94	79.87	74.28	69.86	73.36
December	89.12	84.37	93.55	86.29	82.51	85.79
2008						
January	89.21	85.63	94.85	88.75	82.85	87.35
March	99.35	95.58	106.68	99.23	92.67	96.72
June	127.89	124.37	136.44	129.35	120.62	127.82
September	97.56	93.15	100.48	97.57	89.92	95.90
December	40.03	36.47	43.10	38.82	34,38	40.46
2009						
January	39.13	40.00	45.44	41.23	38.31	43.94
March	44.52	44.91	49.70	46.39	43.76	45.59
June	68.16	68.73	69.55	69.00	68.74	69.41
September	66.43	66.45	68.74	67.34	66.16	67.74
December	74.34	74.03	75.68	74.38	74.00	75.42

Source : OPEC Annual Statistical Bulletin, 2009.

XI.25 Spot Prices of Major Petroleum Products in Key Trading Centres of the World

(US $ bbl)

Market/Product	2008					2009					2010			
	Jan	Mar	June	Sept	Dec	Jan	Mar	June	Sept	Dec	Jan	Mar	June	Sept
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
NAPHTHA:														
North European Market, FOB Rotterdam	108.66	113.53	143.54	111.21	33.53	44.54	43.82	62.74	65.82	75.35	79.05	80.22	72.81	75.12
South European Market, FOB Italy	91.81	95.98	119.81	92.57	26.29	36.11	42.05	61.16	64.30	73.04	76.30	78.63	70.99	73.69
Carribean Market, Cargoes	94.38	104.32	134.09	119.02	31.78	59.33	50.87	74.02	268.22	78.45	82.37	85.40	81.67	79.04
Singapore Cargoes	93.12	97.54	125.18	91.89	30.90	41.89	46.53	65.86	66.80	78.28	80.66	80.84	72.42	74.52
Middle East Gulf Market, FOB	94.67	98.90	124.91	96.88	29.53	39.85	44.26	63.19	66.26	75.80	79.49	81.27	73.25	75.56
GASOLINE														
North European Market, FOB premium.	95.82	108.91	150.09	120.10	46.33	45.98	52.02	81.07	74.81	79.68	84.65	92.38	86.01	89.26
South European Market, FOB Italy	107.01	117.31	151.71	119.15	45.78	44.30	26.66	36.23	22.77	26.29	57.10	57.55	59.98	60.19
US East Coast, New York (Unl. Regular 87)	98.88	106.38	139.12	117.30	40.87	48.74	53.83	82.83	76.22	80.13	85.54	89.13	84.12	82.62
Singapore Cargoes (Premium Unl. 95)	100.49	109.66	140.23	107.02	40.97	50.95	54.20	77.15	75.63	81.85	88.01	90.86	83.26	82.55
JET KERO														
North European Market, FOB Rotterdam	109.32	134.00	166.5	128.97	59.70	61.48	55.33	78.47	76.57	83.56	86.46	89.5	84.66	90.19
US East Coast, New York	111.81	136.96	164.26	137.65	61.64	64.91	55.86	77.05	73.89	84.44	88.23	90.51	89.91	90.51
Carribean Cargoes	110.12	131.98	162.69	141.76	58.88	64.18	54.18	77.63	74.42	84.67	87.67	89.96	87.77	89.93
Singapore Cargoes	106.17	125.31	164.76	121.42	58.9	60.89	53.34	76.45	74.58	83.24	82.23	87.49	86.64	87.81
Middle East Gulf Market, FOB	102.90	122.63	160.38	116.44	56.56	58.72	63.50	84.21	49.61	53.99	54.45	54.59	59.31	61.68
GAS OIL/Diesel														
North European Market, FOB Rotterdam	108.70	133.01	166.80	NA	NA	NA	55.90	75.69	74.77	81.62	84.11	88.75	90.03	90.47
South European Market, FOB Italy	109.47	134.27	167.17	NA	NA	NA	35.59	47.09	29.66	34.25	65.18	65.24	60.01	60.26
US East Coast, New York	107.35	132.13	161.37	125.38	58.93	61.15	53.69	73.45	72.67	82.73	86.11	87.63	85.41	87.90
Carribean Cargoes	110.58	128.77	164.35	125.11	56.26	59.33	16.19	23.47	23.2	26.18	57.12	57.63	56.93	57.72
Singapore Cargoes	108.94	130.49	170.00	121.57	62.97	61.82	56.20	77.92	75.80	82.69	85.89	88.63	87.36	88.53
Middle East Gulf Market, FOB	102.23	123.32	161.38	113.61	55.41	57.30	50.06	74.25	72.14	78.51	81.77	85.71	76.40	77.47
FUEL OIL														
North European Market (1%s)	74.81	77.69	101.66	84.40	32.67	34.38	36.43	59.46	64.52	69.02	72.55	73.25	70.33	70.23
South European Market, (1%s) FOB Italy	73.04	77.08	101.76	83.12	34.94	36.58	39.37	60.64	64.92	69.92	72.10	72.39	68.04	70.21
US East Coast, New York (1%s)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carribean Cargoes (2%s)	65.23	68.09	83.45	76.28	22.46	28.28	32.55	54.73	60.96	68.60	70.31	74.99	70.14	68.79
Singapore Cargoes (380 Cst)	70.56	73.86	94.58	87.77	33.27	37.47	38.05	62.34	66.30	72.65	75.11	71.89	68.31	68.92
Singapore Cargoes (180 Cst)	70.04	74.57	96.23	88.23	34.00	37.65	38.70	62.77	66.36	72.79	75.55	73.04	71.45	70.07
Middle East Gulf Market, (180 Cst)	66.01	70.53	89.79	82.53	30.54	34.74	43.60	66.06	69.12	74.57	78.1	75.66	65.72	67.01

Source : OPEC Monthly Statistical Bulletin.

XI.26 World Survey of Selected Petroleum Products Prices in 2009

Country	Us$ Exchange Rate in National Currencies	Automotive Diesel Oil Non-commercial Use (Us$/Ltr)	Heavy Fuel Oil for Industry (Us$/Tonne)	Light Fuel Oil	
				For Household Use (Us$/1000 Ltr)	For Industry Use
1	2	3	4	5	6
Austria	0.72	1.352	—	861.0	466.0
Belgium	0.72	1.418	NA	689.7	570.0
Canada	1.14	—	432.1	678.6	573.8
Czech Republic	19.05	1.376	NA	775.4	573.8
Denmark	5.36	1.459	—	1308.2	745.3
Finland	0.72	1.378	—	830.2	680.5
France	0.72	1.391	429.3	798.4	606.9
Germany	0.72	—	—	—	
Greece	0.72	1.335	—	980	823.5
Ireland	0.72	1.416	363.1	910.3	700.8
Italy	0.72	1.501	—	14448.8	1204
Japan	93.60	1.106	—	712.7	505.0
Korea	1275.00	1.085	480.3	758.3	757
Mexico	13.50	0.571	302.9	—	353.1
Netherlands	0.72	1.384	NA	926.4	—
New Zealand	1.60	0.637	689.9	—	433.7
Norway	6.29	1.704	NA	1139.5	911.6
Poland	3.12	1.168	356.2	801.2	603.5
Portugal	0.72	1.393	NA	946.9	—
Slovak Republic	0.72	1.538	NA	—	535.3
Spain	0.72	1.264	—	769	662.9
Sweden	7.65	1.507	NA	1363.7	562.3
Switzerland	1.09	1.47	NA	634.3	525.0
Turkey	1.55	1.677	802.6	1481.1	—
U.K.	0.64	1.621	NA	686	—
U.S.A.	1.00	0.650	374.0	664.9	435.5
Total OECD	..	1.071	..	769.0	519.1

.. : Not available
NA : Not Applicable
Source : International Energy Agency's "Energy Prices and Taxes" 1st Quarter of 2009.

XI.27 Airfield Prices of Jet A-1 Fuel at Major International Airports
(As on 1st April)

(U.S. Cents/U.S. Gallon)

Ports	2001	2002	2003	2004	2005*	2006*	2007*	2008*	2009*
1	2	3	4	5	6	7	8	9	10
Paris	86.79	68.30	99.46	108.26	179.30	199.01	200.10	333.80	142.80
Frankfurt	NA	NA	NA	NA	177.52	192.88	192.99	330.03	140.39
Nairobi	94.14	76.71	NA	NA	182.81	204.61	202.11	333.06	148.94
Kualalampur	76.00	59.90	NA	NA	164.71	186.94	185.56	303.74	132.36
Singapore	73.86	60.45	80.95	97.2	169.25	187.59	186.71	305.59	145.23
Abu Dhabi	92.00	82.00	NA	NA	176.59	196.63	193.47	316.21	146.42
Dubai	89.45	78.30	106.04	110.98	184.10	206.02	202.66	319.89	150.10
London	83.06	62.42	95.12	104.43	176.25	196.68	200.64	333.43	144.17
Kuwait	85.00	74.00	NA	NA	179.97	200.16	197.00	285.94	133.13
New York	81.63	61.04	85.01	104.32	169.48	203.46	206.49	320.68	147.75
Tokyo	71.02	71.02	91.96	111.82	177.79	197.52	195.39	314.16	143.21
Mumbai	113.34	94.43	152.98	156.73	259.65	230.08	241.57	384.85	163.92
Delhi	115.86	97.00	156.10	160.79	203.07	233.10	243.63	387.40	166.16
Madras	111.31	92.95	160.57	166.41	197.58	228.73	238.47	381.12	164.18

NA : Not available

*: Average price.

Source : Air India

XI.28 Tanker-Fleet Development in OPEC Members ('000' DWT)

Country	2005		2006		2007		2008		2009	
	NO.	DWT.	NO.	DWT.	NO.	DWT	NO.	DWT.	NO.	DWT
1	2	3	4	5	6	7	8	9	10	11
Algeria	1	23.0	1	23.0	1	23.0	5	331.0	5	331.0
Ecuador	—	—	—	—	—	—	8	269	8	269
I.R. Iran	32	6,050.0	32	6,050.0	29	6,202.0	42	9,560.0	42	9,560.0
Iraq	1	37.0	1	37.0	1	37.0	2	26.0	4	53.0
Kuwait	19	2,941.0	18	2,802.0	22	3,241.0	21	3,113.0	20	3,110.0
S.P. Libyan, A.J.	6	275.0	6	275.0	8	627.0	8	627.0	8	627.0
Nigeria	2	409.0	2	409.0	2	409.0	2	409.0	2	409.0
Qatar	6	438.0	6	438.0	6	528.0	6	528.0	6	528.0
Saudi Arabia	19	1721	41	10055	41	10055	46	10483	40	8662
UAE	9	400.0	6	218.0	6	218.0	13	660.0	13	442.0
Venezuela	21	1348	21	1348	21	1348	16	1091	16	1091
Total OPEC	145	14636	163	22649	177	24056	209	28465	164	25082
Total World	**3892**	**340214**	**4177**	**359618**	**4,418**	**375591**	**4825**	**398196**	**5713**	**481185**
OPEC %age		4.3		6.3		6.4		7.1		5.2

Source : OPEC Annual Statistical Bulletin, 2009.

XI.29 Inter-area Total Oil Movements

Thousand barrels daily

To/From	2002	2003	2004	2005	2006	2007	2008	**2009**	2009 share of total
1	2	3	4	5	6	7	8	9	10
Imports									
US	11357	12254	12898	13525	13612	13632	12872	**11444**	21.6%
Europe	11895	11993	12538	13261	13461	13953	13751	**13485**	25.5%
Japan	5070	5314	5203	5225	5201	5032	4925	**4283**	8.1%
Rest of World*	16291	17191	18651	19172	20287	22937	23078	**23078**	44.8%
Total World	**44613**	**46752**	**49290**	**51182**	**52561**	**55554**	**54626**	**52930**	**100.0%**
Exports									
US	904	921	991	1129	1317	1439	1967	**1916**	3.6%
Canada	1959	2096	2148	2201	2330	2457	2498	**2476**	4.7%
Mexico	1966	2115	2070	2065	2102	1975	1609	**1450**	2.7%
S. & Cent. America	2965	2942	3233	3528	3681	3570	3616	**3725**	7.0%
Europe	2234	2066	1993	2149	2173	2273	2023	**1987**	3.8%
Former Soviet Union	5370	6003	6440	7076	7155	8334	8184	**9065**	17.1%
Middle East	18062	18943	19630	19821	20204	19680	20128	**18426**	34.8%
North Africa	2620	2715	2917	3070	3225	3336	3260	**2760**	5.2%
West Africa	3134	3612	4048	4358	4704	4830	4587	**4373**	8.3%
Asia Pacific‡	3848	3978	4189	4243	4312	6004	5392	**5362**	10.1%
Rest of World*	1551	1361	1631	1542	1359	1656	1363	**1389**	2.6%
Total World	**44613**	**46752**	**49290**	**51182**	**52561**	**55554**	**54626**	**52930**	**100.0%**

* : Includes unidentified trade.

‡ : Excludes Japan. Excludes trade between other Asia Pacific countries and India prior to 2007.

Note : Annual changes and shares of total are calculated using thousand barrels daily figures.

Source : BP Statistical Review of World Energy, 2010.

XI.30 World Primary Energy Consumption by Fuel* during 2009

Million tonnes oil equivalent

Country	Oil	Natural Gas	Coal	Nuclear Energy	Hydro Electric	2009 Total
1	2	3	4	5	6	7
US	842.9	588.7	498.0	190.2	62.2	**2182.0**
Canada	97.0	85.2	26.5	20.3	90.2	**319.2**
Mexico	85.6	62.7	6.8	2.2	6.0	**163.2**
Total North America	1025.5	736.6	531.3	212.7	158.3	**2664.4**
Argentina	22.3	38.8	1.1	1.8	9.2	**73.3**
Brazil	104.3	18.3	11.7	2.9	88.5	**225.7**
Chile	15.4	3.0	4.1	—	5.6	**28.1**
Colombia	8.8	7.8	3.1	—	9.3	**29.0**
Ecuador	9.9	0.4	—	—	2.1	**12.4**
Peru	8.5	3.1	0.5	—	4.5	**16.6**
Venezuela	27.4	26.8	†	—	19.5	**73.6**
Other S. & Cent. America	59.4	22.9	1.9	—	19.8	**104.1**
Total S. & Cent. America	256.0	121.2	22.5	4.7	158.4	**562.9**
Austria	13.0	8.4	2.3	—	8.3	**32.0**
Azerbaijan	2.8	6.9	†	—	0.5	**10.2**
Belarus	9.3	14.5	†	—	†	**23.9**
Belgium & Luxembourg	38.5	15.6	4.6	10.7	0.1	**69.4**
Bulgaria	4.4	2.2	6.3	3.5	0.9	**17.4**
Czech Republic	9.7	7.4	15.8	6.1	0.7	**39.6**
Denmark	8.2	4.0	4.0	—	†	**16.1**
Finland	9.9	3.2	3.7	5.4	2.9	**25.0**
France	87.5	38.4	10.1	92.9	13.1	**241.9**
Germany	113.9	70.2	71.0	30.5	4.2	**289.8**
Greece	20.2	3.0	7.9	—	1.6	**32.7**
Hungary	7.3	9.1	2.5	3.5	0.1	**22.4**
Iceland	1.0	—	0.1	—	2.8	**3.9**
Republic of Ireland	8.0	4.3	1.3	—	0.2	**13.9**
Italy	75.1	64.5	13.4	—	10.5	**163.4**
Kazakhistan	12.0	17.7	33.0	—	1.7	**64.4**
Lithuania	2.9	2.5	0.2	2.5	0.3	**8.2**
Netherlands	49.4	35.0	7.9	1.0	†	**93.3**
Norway	9.7	3.7	0.3	—	28.8	**42.5**
Poland	25.5	12.3	53.9	—	0.7	**92.3**
Portugal	12.9	3.9	3.6	—	2.0	**22.3**
Romania	9.9	12.2	6.2	2.7	3.6	**34.6**
Russian Federation	124.9	350.7	82.9	37.0	39.8	**635.3**
Slovakia	3.9	5.1	3.6	3.2	1.1	**16.8**
Spain	72.9	31.1	10.6	12.0	6.1	**132.6**
Sweden	13.7	1.0	1.6	11.9	14.9	**43.2**
Switzerland	12.3	2.7	0.1	6.2	8.1	**29.4**
Turkey	28.8	28.9	27.2	—	8.1	**93.0**
Turkmenistan	5.2	17.8	—	—	—	**23.0**
Ukraine	14.1	42.3	35.0	18.6	2.7	**112.5**
United Kingdom	74.4	77.9	29.7	15.7	1.2	**198.9**
Ukraine	15.5	53.8	39.3	20.3	2.6	**131.5**
United Kingdom	78.7	84.5	35.4	11.9	1.1	**211.6**

Contd..

Million tonnes oil equivalent

Country	Oil	Natural Gas	Coal	Nuclear Energy	Hydro Electric	2009 Total
1	2	3	4	5	6	7
Uzbekistan	4.9	43.9	1.4	—	1.4	**51.5**
Other Europe & Eurasia	27.6	12.6	16.3	1.8	16.1	**74.4**
Total Europe & Eurasia	913.9	952.8	456.4	265.0	182.0	**2770.0**
Iran	83.6	118.5	1.4	—	1.3	**204.8**
Kuwait	19.2	12.1	—	—	—	**31.3**
Qatar	8.2	19.0	—	—	—	**27.2**
Saudi Arabia	121.8	69.7	—	—	—	**191.5**
United Arab Emirates	21.8	53.2	—	—	—	**75.0**
Other Middle East	81.7	38.6	7.9	—	1.1	**129.3**
Total Middle East	336.3	311.0	9.2	—	2.4	**659.0**
Algeria	14.9	24.0	0.7	—	0.1	**39.7**
Egypt	33.7	38.3	1.1	—	3.1	**76.3**
South Africa	24.3	—	99.4	2.7	0.2	**126.8**
Other Africa	71.2	22.3	6.1	—	18.5	**118.1**
Total Africa	144.2	84.6	107.3	2.7	22.0	**360.8**
Australia	42.7	23.1	50.8	—	2.6	**119.2**
Bangladesh	4.5	17.8	0.4	—	0.3	**22.9**
China	404.6	79.8	1537.4	15.9	139.3	**2177.0**
China Hong Kong SAR	14.0	2.3	7.6	—	—	**23.9**
India	148.5	46.7	245.8	3.8	24.0	**468.9**
Indonesia	62.0	33.0	30.5	—	2.7	**128.2**
Japan	197.6	78.7	108.8	62.1	16.7	**463.9**
Malaysia	21.4	28.3	4.0	—	2.0	**55.7**
New Zealand	6.8	3.6	1.7	—	5.5	**17.6**
Pakistan	20.6	34.1	4.3	0.6	6.2	**65.8**
Philippines	12.1	3.0	6.8	—	2.2	**24.2**
Singapore	52.1	8.7	—	—	—	**60.8**
South Korea	104.3	30.4	68.6	33.4	0.7	**237.5**
Taiwan	46.6	10.2	38.7	9.4	0.8	**105.7**
Thailand	44.2	35.3	14.1	—	1.5	**95.1**
Other Asia Pacific	24.1	11.9	32.1	—	12.6	**80.7**
Total Asia Pacific	1206.2	446.9	2151.6	125.3	217.1	**4147.2**
Total World	**3882.1**	**2653.1**	**3278.3**	**610.5**	**740.3**	**11164.3**
of which:	670.8	413.9	261.3	202.6	73.9	**1622.6**
	2072.7	1302.0	1036.3	507.3	298.8	**5217.1**
	184.1	503.2	153.3	58.6	55.3	**954.5**
	1625.4	847.9	2088.7	44.6	386.1	**4992.7**

* In this Review, primary energy comprises commercially traded fuels only. Excluded, therefore, are fuels such as wood, peat and animal waste that, though important in many countries, are unreliably documented in terms of consumption statistics. Also excluded are wind, geothermal and solar power generation.

-: Less than 0.05.

Note : Oil consumption is measured in million tonnes; other fuels in million tonnes of oil equivalent.

Source : BP Statistical Review of World Energy, 2010.

XI.31 Per Capita Primary Energy Consumption Some International Comparisons

(Kg. oil equivalent)

Country	Oil	Natural Gas	Coal	Nuclear Energy	Hydro Electric	2009 Total
1	2	3	4	5	6	7
US	2,747	1,919	1,623	620	203	7,112
Canada	2,878	2,528	786	602	2,677	9,472
Mexico	781	572	62	20	55	1,489
Total North America	2,278	1,637	1,180	473	352	5,920
Argentina	553	963	27	45	228	1,819
Brazil	545	96	61	15	462	1,179
Chile	906	176	241	—	329	1,653
Colombia	195	173	69	—	206	643
Ecuador	728	29	—	—	154	912
Peru	291	106	17	—	154	568
Venezuela	965	944	—	—	687	2,592
Other S. & Cent. America	570	220	—	—	42	222
Total S. & Cent. America	545	258	48	10	18,857	67,012
Austria	1,548	1,000	274	—	988	3,810
Azerbaijan	318	784	—	—	57	1,159
Belarus	959	1,495	—	—	—	2,464
Belgium & Luxembourg	3,407	1,381	407	947	9	6,142
Bulgaria	579	289	829	461	118	2,289
Czech Republic	924	705	1,505	581	67	3,771
Denmark	1,491	727	727	—	—	2,927
Finland	1,868	604	698	1,019	547	4,717
France	1,398	613	161	1,484	209	3,864
Germany	1,389	856	866	372	51	3,534
Greece	1,788	265	699	—	142	2,894
Hungary	730	910	250	350	—	2,240
Iceland	3,333	—	333	—	9,333	13,000
Republic of Ireland	1,778	956	289	—	44	3,089
Italy	1,245	1,070	222	—	174	2,710
Kazakhstan	755	1,113	2,075	—	107	4,050
Lithuania	879	758	61	758	91	2,485
Netherlands	2,994	2,121	479	61	—	5,655
Norway	2,021	771	63	—	6,000	8,854
Poland	669	323	1,415	—	18	2,423
Portugal	1,217	368	340	—	189	2,104
Romania	460	567	288	126	167	1,609
Russian Federation	881	2,473	585	261	281	4,480
Slovakia	722	944	667	593	204	3,111
Spain	1,554	663	226	256	130	2,827
Sweden	1,473	108	172	1,280	1,602	4,645
Switzerland	1,577	346	13	795	1,038	3,769
Turkey	385	386	364	—	108	1,243
Turkmenistan	1,020	3,490	—	—	—	4,510
Ukraine	307	920	761	404	59	2,446
United Kingdom	1,204	1,261	481	254	19	3,218
Uzbekistan	178	1,591	51	—	51	1,866
Other Europe & Eurasia	399	182	236	26	233	1,077
Total Europe & Eurasia	1,011	1,054	505	293	201	3,063

Contd..

(Kg. oil equivalent)

Country/Region	Oil	Natural Gas	Coal	Nuclear Energy	Hydro Electric	**2009 Total**
1	2	3	4	5	6	7
Iran	1,142	1,619	19	—	18	2,798
Kuwait	6,400	4,033	—	—	—	10,433
Qatar	5,857	13,571	—	—	—	19,429
Saudi Arabia	4,244	2,429	—	—	—	6,672
United Arab Emirates	4,275	10,431	—	—	—	14,706
Other Middle East	496	234	48	—	7	785
Total Middle East	1,218	1,126	33	—	9	2,387
Algeria	421	678	—	—	—	1,121
Egypt	429	487	14	—	—	971
South Africa	479	—	1,961	—	4	2,501
Other Africa	85	—	7	—	22	142
Total Africa	144	85	107	—	22	361
Australia	1,950	1,055	2,320	—	119	5,443
Bangladesh	28	110	2	—	2	141
China	304	60	1,155	—	105	1,635
China Hong Kong SAR	2,000	329	1,086	—	—	3,414
India	127	40	210	3	20	400
Indonesia	255	136	125	—	—	527
Japan	1,549	617	853	487	131	3,636
Malaysia	756	1,000	141	—	71	1,968
New Zealand	1,581	837	395	—	1,279	4,093
Pakistan	114	189	24	3	34	364
Philippines	131	33	74	—	24	262
Singapore	10,216	1,706	—	—	—	11,922
South Korea	2,142	624	1,409	686	14	4,877
Taiwan	2,017	442	1,675	407	—	4,576
Thailand	652	521	208	—	22	1,403
Other Asia Pacific	122.77	61	164	—	64	411
Total Asia Pacific	325	120	580	—	59	1,118
Total World	570	390	481	—	109	1,639

Note : Oil consumption is measured in million tonnes; other fuels in million tonnes of oil equivalent.

* Primary energy comprises commercially traded fuels only. Excluded, therefore, are fuels such as wood, peat and animal waste, that through important in many countries, are unreliably documented in terms of consumption Statistics. Also excluded are wind, geothermal and solar power generation.

Source : BP Statistical Review of World Energy, June, 2010 & Population Reference Bureau, 2009.

XI.32 Per Capita Consumption of Main Petroleum Products Some International Comparisons During 2009

Kg. Oil/Per Capita

Country/Area	Light Distillates	Middle Distillates	Fuel Oil	Others	Total
1	2	3	4	5	6
U.S.A.	1497	857	84	595	3033
Europe	225	516	101	199	1040
Middle East	553	789	621	535	2497
China	90	121	26	86	323
Japan	653	539	177	347	1716
OECD	757	711	131	404	2003

Note: Population (Mid 2008 in Millions) data has been taken from "Population Reference Bureau".
Source: B.P. Statistical Review of World Energy, June 2010.

XI.33 Trends in World Primary Energy Consumption

(Million Tonnes Oil Equivalent)

Year	Oil	Natural Gas	Coal	Nuclear Energy	Hydro Electricity	Total
1	2	3	4	5	6	7
2001	3517.1	2219.5	2243.1	601.0	584.7	8580.7
2002	3562.6	2285.8	2412.3	610.8	593.0	9464.5
2003	3641.8	2343.2	2613.5	598.2	604.1	9800.8
2004	3798.6	2425.2	2798.9	625.1	643.2	10291.0
2005	3836.8	2474.7	2929.8	668.7	627.2	10537.1
2006	3910.9	2558.3	3041.7	634.9	697.2	10843.0
2007	3939.4	2652.2	3194.5	622.5	695.8	11104.4
2008	3959.9	2717.3	3286.4	620.2	731.4	11315.2
2009(P)	3882.1	2653.1	3278.3	610.5	740.3	11164.3

(P) : Provisional
Source : B.P. Statistical Review of World Energy.

XI.34 Primary Energy Consumption* in Selected Countries of the World

Million tonnes oil equivalent

Country	2003	2004	2005	2006	2007	2008	**2009**	2009 share of total
1	2	3	4	5	6	7	8	9
US	2295.0	2341.4	2342.2	2323.1	2361.5	2302.4	**2182.0**	19.5%
Canada	310.1	313.0	323.1	320.1	326.8	335.3	**319.2**	2.9%
Mexico	144.7	147.9	153.4	160.3	163.5	166.4	**163.2**	1.5%
Total North America	2749.8	2802.3	2818.6	2803.6	2851.8	2804.1	**2664.4**	23.9%
Argentina	58.7	61.9	66.4	69.9	73.0	74.9	**73.3**	0.7%
Brazil	186.0	193.2	198.1	205.2	219.6	227.8	**225.7**	2.0%
Chile	25.1	26.4	27.8	29.0	29.2	28.7	**28.1**	0.3%
Colombia	25.4	26.3	27.9	29.1	28.9	29.1	**29.0**	0.3%
Ecuador	8.0	8.3	9.4	10.5	11.4	12.4	**12.4**	0.1%
Peru	11.6	12.4	13.0	13.2	14.4	15.7	**16.6**	0.1%
Venezuela	58.5	65.6	68.3	74.2	74.5	74.5	**73.6**	0.7%
Other S. & Cent. America	94.2	93.1	95.7	102.7	105.0	105.9	**104.1**	0.9%
Total S. & Cent. America	467.5	487.4	506.7	533.9	556.1	568.9	**562.9**	5.0%
Austria	33.7	33.0	33.7	32.7	32.1	32.2	**32.0**	0.3%
Azerbaijan	11.8	12.7	13.8	13.6	12.2	12.3	**10.2**	0.1%
Belarus	21.5	23.7	23.7	25.1	24.3	25.8	**23.9**	0.2%
Belgium & Luxembourg	68.1	70.5	71.7	73.1	72.7	70.6	**69.4**	0.6%
Bulgaria	20.0	19.3	19.9	20.6	19.9	19.5	**17.4**	0.2%
Czech Republic	43.6	44.7	44.6	44.2	43.3	41.7	**39.6**	0.4%
Denmark	19.6	18.3	17.4	19.5	18.1	17.2	**16.1**	0.1%
Finland	28.9	28.6	26.2	27.5	27.5	26.8	**25.0**	0.2%
France	258.4	262.7	260.1	257.8	254.8	255.5	**241.9**	2.2%
Germany	330.9	329.1	323.6	327.8	309.2	310.3	**289.8**	2.6%
Greece	32.5	34.1	33.8	34.6	34.6	34.3	**32.7**	0.3%
Hungary	24.1	24.0	25.5	25.2	24.7	24.3	**22.4**	0.2%
Iceland	2.6	2.7	2.7	2.7	3.2	3.9	**3.9**	
Republic of Ireland	14.0	14.4	14.8	15.1	15.4	15.1	**13.9**	0.1%
Italy	179.8	182.8	183.0	181.9	178.7	176.6	**163.4**	1.5%
Kazakhstan	48.6	52.5	57.0	59.5	61.7	66.2	**64.4**	0.6%
Lithuania	9.1	9.2	8.4	8.1	8.7	8.6	**8.2**	0.1%
Netherlands	91.2	94.1	95.8	95.7	97.1	95.5	**93.3**	0.8%
Norway	38.3	39.0	45.1	41.5	45.1	46.1	**42.5**	0.4%
Poland	88.5	90.9	90.7	94.4	95.1	94.3	**92.3**	0.8%
Portugal	25.3	24.8	24.8	24.4	24.0	22.6	**22.3**	0.2%
Romania	37.8	39.0	39.8	40.6	37.5	38.6	**34.6**	0.3%
Russian Federation	643.0	651.1	649.3	666.5	676.3	680.9	**635.3**	5.7%
Slovakia	18.1	17.6	18.7	18.3	17.6	17.9	**16.8**	0.2%
Spain	140.5	144.9	146.2	146.3	149.3	146.1	**132.6**	1.2%
Sweden	46.2	48.3	50.8	47.7	48.0	47.6	**43.2**	0.4%
Switzerland	28.9	28.5	27.5	28.6	28.3	29.4	**29.4**	0.3%
Turkey	79.7	84.3	89.5	95.7	101.2	101.8	**93.0**	0.8%
Turkmenistan	17.0	17.7	18.9	21.8	24.2	22.3	**23.0**	0.2%
Ukraine	135.2	137.4	136.1	137.5	135.2	132.5	**112.5**	1.0%
United Kingdom	223.8	225.2	225.2	222.2	214.8	210.9	**198.9**	1.8%
Uzbekistan	50.9	48.3	46.2	45.2	48.9	51.5	**51.5**	0.5%
Other Europe & Eurasia	73.7	77.2	77.4	75.2	76.2	77.0	**74.4**	0.7%
Total Europe & Eurasia	2885.1	2930.7	2941.8	2970.7	2959.7	2955.8	**2770.0**	24.8%
Other Europe & Eurasia	69.7	73.8	77.6	78.2	75.6	77.0	**79.7**	0.7%
Total Europe & Eurasia	**2835.3**	**2877.2**	**2925.9**	**2937.7**	**2978.7**	**2956.9**	**2964.6**	**26.2%**

Contd..

Million tonnes oil equivalent

Country	2003	2004	2005	2006	2007	2008	**2009**	2009 share of total
1	2	3	4	5	6	7	8	9
Iran	148.9	155.3	175.9	184.1	188.0	195.3	**204.8**	1.8%
Kuwait	24.0	26.4	28.3	27.0	26.9	29.0	**31.3**	0.3%
Qatar	15.0	18.1	22.3	23.8	24.6	26.0	**27.2**	0.2%
Saudi Arabia	134.9	146.1	155.5	161.7	169.5	183.7	**191.5**	1.7%
United Arab Emirates	50.7	53.9	56.9	59.3	65.9	76.5	**75.0**	0.7%
Other Middle East	98.5	104.0	107.9	115.1	117.7	124.9	**129.3**	1.2%
Total Middle East	472.0	503.9	546.8	571.0	592.5	635.5	**659.0**	5.9%
Algeria	30.2	31.3	32.7	33.7	35.6	37.6	**39.7**	0.4%
Eqypt	56.9	59.5	62.4	65.6	69.8	73.9	**76.3**	0.7%
South Africa	116.3	122.5	119.3	121.4	127.2	131.2	**126.8**	1.1%
Other Africa	102.9	109.6	112.9	111.7	117.7	123.3	**118.1**	1.1%
Total Africa	306.4	322.9	327.3	332.4	350.3	365.9	**360.8**	3.2%
Australia	111.9	115.5	116.7	122.2	122.3	119.5	**119.2**	1.1%
Bangladesh	15.7	16.6	18.3	18.9	19.8	21.3	**22.9**	0.2%
China	1229.3	1429.0	1572.2	1724.2	1864.4	2007.4	**2177.0**	19.5%
China Hong Kong SAR	21.2	24.4	22.9	24.5	25.5	23.8	**23.9**	0.2%
India	316.2	343.9	362.2	378.8	411.0	441.1	**468.9**	4.2%
Indonesia	109.4	113.0	119.9	115.7	119.4	124.7	**128.2**	1.1%
Japan	506.2	517.0	519.7	520.4	515.9	508.7	**463.9**	4.2%
Malaysia	51.7	50.8	55.9	59.7	60.3	59.0	**55.7**	0.5%
New Zealand	18.0	18.5	17.9	18.1	17.8	17.8	**17.6**	0.2%
Pakistan	52.4	56.8	58.9	61.8	65.1	64.8	**65.8**	0.6%
Philippines	24.4	25.1	25.3	23.4	24.7	24.4	**24.2**	0.2%
Singapore	38.8	44.0	46.7	51.8	55.1	58.7	**60.8**	0.5%
South Korea	208.9	214.1	221.5	223.6	232.3	236.1	**237.5**	2.1%
Taiwan	103.0	106.7	108.6	111.2	115.1	109.2	**105.7**	0.9%
Thailand	77.9	83.9	88.8	90.4	92.9	94.1	**95.1**	0.9%
Other Asia Pacific	58.3	64.1	68.7	72.3	72.0	74.3	**80.7**	0.7%
Total Asia Pacific	2943.4	3223.2	3424.7	3616.9	3813.7	3985.0	**4147.2**	37.1%
Total World	**9824.3**	**10270.4**	**10565.4**	**10828.5**	**11124.2**	**11315.2**	**11164.3**	**100.0%**

Notes : Oil consumption is measured in million tonnes; other fuels in million tonnes of oil equivalent.

* Primary energy comprises commercially traded fuels only. Excluded, therefore, are fuels such as wood, peat and animal waste that, thought important in many countries, are unreliably documented in terms of consumption statistics. Also excluded are wind, geothermal and solar power generation.

Growth rates are adjusted for leap years.

Source : BP Statistical Review of World Energy.

XI.35 Economic Indicators of OPEC Nations During 2009

Country	Mid Year Population 2009 (Million)	GDP at market prices 2009 (Mn. $)	Per capita GDP 2009 (US $)	Petroleum Exports 2009 (Mn. $)	Total Exports 2009 (Mn. $)	Petroleum Exports as % of total Exports	Proven crude oil reserves 2009 (Bn.bbls)	Gas Reserves 2009 (Bn. CM)	Producing Oil wells 2009	Curde refining Capacity (000/b/d)	Exports of Refined Products (000/b/d)
1	2	3	4	5	6	7	8	9	10	11	12
Algeria	35.40	132781	3,751	30587	43689	70.0	12.20	4504	1587	652	232.5
Angola	18.50	68755	3,716	38813	40985	94.7	9.50	310	1307	39	40.8
Ecuador	14.01	51386	3,668	6965	13797	50.5	6.51	8	3295	188	33.5
Indonesia	na	na	#VALUE!	na	na	#VALUE!	na	na	na	na	na
Iran	74.10	330461	4,460	55604	70614	78.7	137.01	29610	1853	1474	300.8
Iraq	31.23	136281	4,364	41852	44373	94.3	115.00	3170	1657	824	26.2
Kuwait	3.49	105382	30,195	46569	50243	92.7	101.50	1784	997	936	673.5
Libya	6.41	67172	10,479	31377	32976	95.2	46.42	1549	1682	380	136.1
Nigeria	156.04	166004	1,064	26471	33439	79.2	37.20	5292	2347	445	12.1
Qatar	1.64	83910	51,165	26840	33256	80.7	25.38	25366	428	80	120.5
Saudi Arabia	25.40	369671	14,554	157407	175529	89.7	264.59	7920	1823	2109	1008.4
U.A.E.	4.62	229971	49,777	58656	174725	33.6	97.80	6091	1516	466	374.1
Venezuala	28.38	337295	11,885	54201	57595	94.1	211.17	5065	12941	981	963.6
Total	**399.21**	**2079068**	**5,208**	**575341**	**771221**	**74.6**	**1064.29**	**90669**	**32194**	**8575**	**3922.1**

Notes : Totals may not add up due to independent rounding.

Source : OPEC Annual Statistical Bulletin, 2009.

Appendix

Appendix

(III) Prefixes Used in Metric Tables

Prefix	:	Meaning
Milli	:	One Thousandth (1/1000=0.01)
Centi	:	On Housdredth (1/100=0.01)
Deci	:	One Tenth (1/10+0.1)
Unit	:	One (1)
Deka	:	Ten (10)
Hecto	:	One Hundred (100)
Kilo	:	One Thousand (1,000).
Mega	:	One Million (1,000,000)

(IV) Others

API	:	American petroleum Institute..
AFRA	:	Average Freight Rate Assessment.
CIF	:	Cost, Insurance and Freight
Crores	:	10 million/100 Lakhs.
DWT	:	Dead Weight Tonnage.
FOB	:	Free on Board
GP	:	General Purpose (16,500-24,999 dqt)
LV	:	Low Viscosity.
HV	:	High Viscosity.
HVI	:	High Viscosity Index
KL	:	Kilolitre
LRI	:	Large Range I (45,000-79,999 dwt)
LR II		Large Range I (80,000-159,999 dwt).
LVI	:	Medium Range (25,000-49,999 dwt)
MT	:	Metric Ton.
MTPA	:	Million Tones Per Annum.
MV	:	Medium Viscosity.
MVI	:	Medium Viscosity Index.
R&D	:	Research & Development.
ULCC	:	Urtra Large Curde Carrier (320,000-549,999 dwt).
VLCC	:	Very Large Curde Carrier (160,000 dwt and more).
NA	:	Not available.
-	:	Nil
Neg	:	Negligible
Billion	:	10^9 or one thousand Million.
Trillion	:	10^{12} or one Millian Million.
P	:	Provisional.
LoI	:	Letter of Intent
MMSCMD	:	Million Standard Cubic Metres Per Day
CNG	:	Compressed Natural Gas
MoU	:	Memorandum of Understanding

Metric Units

Linear

10 Millimetres	-	1 Centimetres
10 Centimetres	-	1 Decimetres
10 Decimetres	-	1 Metre
10 Metres	-	1 Decametre
10 Decametres	-	1 Hectometre
10 Hectometres	-	1 Kilometre

Area

100 Sq. Millimetres	-	1 Sq. Centimetres
100 Sq. Centimetres	-	1 Sq. Decimetre
100 Sq. Decimetres	-	1 Sq. Metre
100 Sq. Metres	-	1 Sq. Decametre-1 Acre.
100 Sq. Acres	-	1 Sq. Hectometre-1 Hectare.
100 Sq. Hectares	-	1 Sq. Kilometre

Weight

10 Milligrams	-	1 Centigrams
10 Centigrams	-	1 Decigram
10 Decigrams	-	1 Gram
10 Grams	-	1 Decagram
10 Decagrams	-	1 Hectogram
10 Hectograms	-	1 Kilogram.
100 Kilograms	-	1 Quintal
1000 Kilograms	-	1 Metric Tonne.

Capacity

10 Millilitres	-	1 Centilitre
10 Centilitre	-	1 Decilitre
10 Decilitres	-	1 Litre
10 Litres	-	1 Decalitre
10 Decalitres	-	1 Hectolitre
10 Hectolitres	-	1 Kilolitre

Volume

1000 Cubic Millimetres	-	1 Cubic Centimetre
1000 Cubic Centimetres	-	1 Cubic Decimetre.
1000 Cubic Decimetres	-	1 Cubic Metre

Conversion Factors used in Oil Trade Linear and Square Measures

Length

1 Inch	-	25.4 Millimetres (mm)
	-	0.0254 Metres
1 Foot	-	12 Inches
	-	0.333333 Yard
	-	0.3048 Metre(m)
1 Yard	-	36 Inches
	-	3 Feet
	-	0.9144 Metre(m)
1 Metre	-	39.3701 Inches.
	-	3.28084 Feet
	-	1.09361 Yards
	-	0.001 Kilometre (km.)
1 Kilometre	-	1000 Metre (m)
	-	0.621371 Mile
I Mile	-	1760 yard
	-	1.60934 Kilometre (km.)
1 International	-	6072.12 Feet
Nautical Mile	-	1.852 Kilometre (km.)
	-	1.5152 Statute mile

Area

1 Square Inch	-	645.16 Square Millimetres (mm^2)
1 Square Foot	-	0.0929030 Square Metre (m^2)
1 Square Yard	-	9 Square Feet.
	-	0.836127 Square Metre (m^2)
1 Square Metre	-	10.7639 Square Feet.
	-	1,19599 Square Yards
1 Acre	-	4840 Square Yards
	-	4046.86 Sq. Metres (m^2)
	-	0.404686 Hectares.
1 Hectare	-	10,000 Square Metres (m^2)
	-	2.47105 Acres.
	-	0.01 Square Kilometre (km^2)
1 Square Kilometre	-	100 Hectares.
	-	0.386102 Square Mile
1 Square Mile	-	640 Acres.
	-	258.999 Hectares
	-	2.58999 Square Kilometres (km^2)

Mass and Weights

1 Ounce	-	28.3495 Grams (g).
1 Pound	-	0.453592 Kilogram (Kg.)
	-	0.00892857 Hundred Weight
1 Kilogram	-	2.20462 Pounds.
	-	0.01 Quintal
1 Hundred Weight (Cwt)	-	112 Pounds.
	-	50.8023 Kilograms (Kg).
1 American (Short) Ton	-	2000 Pounds.
	-	0.892857 Long Ton
	-	0.97185 Tonnes
1 Tonnes (Metric Ton)	-	2204.62 Pounds
	-	1000 Kilograms (Kg).
	-	1.10231 Short tons
	-	0.984207 Long Ton
1 Imperial (Long) Ton	-	2240 Pounds
	-	1.12 Short Tones.
	-	1.01605 Tonnes.

Energy and Power

1 International Table (IT) Calorie	-	4.1868 Joules (J).
115 C calorie	-	4.1855 Joules (J).
1 Thermochemical Calorie	-	4.184 Joules (J)
1 Kilo Calories (IT)	-	1000 Calories
	-	3.96832 British Thermal Units
	-	1.163 Watt Hours
	-	Thermie
1 Kilowatt Hour	-	3412.14 British Thermal Units
	-	859.845 Kilo Calories
	-	3.6 Magajoules (MJ)
	-	1.34102 Horse Power Hours.
1 Therm	-	100,000 Britsh Thermal Units (BTU).
	-	105.506 Megajoules (MJ)
	-	29.3071 Kilowatt Hours
	-	25.1996 Thermies
	-	25200 Kilocalories
1 Metric Horsepower	-	735.499 watt (W).
(Pferdestaerke of Cheval Vapeur)	-	542.476 Foot Pounds force/Second.
	-	0.986320 Imperial Horse Power
1 Imperial Horsepower	-	745.700 Watts (W)
	-	550 Foot Pounds force/Second
	-	1.01387 Metric Horse Power.
1 Kilowatt	-	737.562 Foot Pounds Force/Second
	-	1.35962 Metric Horsepower
	-	1.34102 Imperial Horsepower.
1 BTU	-	0.252 Kilocalories
	-	1.055 Kilojoules

Cubic Measures

Volume

1 Cubic Inch	-	16.3871 Cubic Centimetres (Cm^3)
1 Pint	-	0.568261 Cubic Decimetres (dm^3) or Litres.
1 Litre	-	61-024 Cubic Inches.
	-	1.75975 Pints
	-	1 Cubic Decimeter (dm^3)
	-	0.264172 American Gallons.
	-	0.219963 Imperial Gallons.
	-	0.0353147 Cubic Foot.
1 Hectolitre	-	100 Cubic Decimetres (dm^3) or
	-	100 Litres.
1 American Gallon	-	231 Cubic Inches.
	-	3.78541 Cubic Decimetres or Litres.
	-	0.832674 Imperial Gallon.
	-	0.133681 Cubic Foot.
	-	0.0238095 American Barrel.
	-	0.00378541 Cubic Metre (M^3)
1 Imperial Gallon	-	277.420 Cubic Inches.
	-	4.54609 Cubic Decimetres (dm^3) or Litres.
	-	1.20095 American Gallon.
	-	0.160544 Cubic foot.
	-	0.02894 American Barrel.
	-	0.00454609 Cubic Metre (m^3)
1 Cubic Foot	-	28.3168 Cubic Decimetres (dm^3) or Litres.
	-	7.48052 American Gallons.
	-	6.22883 Imperial Gallons.
	-	0.17811 American Barrel.
	-	0.0283168 Cubic Metre (m^3).
1 American Barrel	-	9702 Cubic Inches.
	-	158.987 Cubic Decimetres (dm^3) or Litres.
	-	42 American Gallons.
	-	34.9726 Imperial Gallons.
	-	5.6146 Cubic Feet.
	-	0.158987 Cubic Metre (M^3).
1 Cubic Metres	-	1000 Litres.
	-	264.172 American Gallons.
	-	219.969 Imperial Gallons.
	-	35.3147 Cubic Feet.
1 Kilolitre	-	1000 Cubic Decimetres (dm^3) or Litres.
	-	6.28981 American Barrels.
1 Gross Ton (Shipping)	-	2.83168 Cubic Metres or 100 Cubic Feet
	-	or Permanently Enclosed Space.
1 Ton of Liquified	-	Approx. 16 Barrels.
Methane	-	Approx. 1400 Cubic Metres of Natural
	-	Gas depending upon Methane Content.

Product Conversion Factor

(Conversion Factor from Volume to Tonnes at Natural Temp.)

Product	Litres to Metric Tonnes	Tonnes per K.L.	American Barrels to Metric Tonnes
1	2	3	4
Aviation Spirit 100/130	1421	0.7034	8.94
Aviation Spirit 144/145	1449	0.6901	9.11
Aviation Spirit 73 ON	1432	0.6983	9.01
Motor Spirit 79 ON	1427	0.7008	8.98
Motor Spirit 80 ON	1427	0.7008	8.98
Motor Spirit 93 ON	1386	0.7215	8.72
Motor Spirit 95 ON	1359	0.7358	8.55
Motor Spirit 83 ON/87 ON	1411	0.7087	8.88
JP-4	1384	0.7225	8.71
JP-5	1273	0.7855	8.01
Aviation Turbine Fuel	1288	0.7764	8.10
Naphtha	1467	0.6817	9.23
Power Alcohol	1286	0.7776	8.09
Benzol	1154	0.8666	7.26
SBP Spirit/Hexane	1457	0.6863	9.16
Mineral Turpentine (Laws 140/205)	1302	0.7680	8.19
Liquified Petroleum Gas	1785	0.5602	11.23
Superior Kerosene	1285	0.7782	8.08
Inferior Kerosene	1265	0.7905	7.96
Power Kerosene (Vap. Oil)	1251	0.7994	7.87
High Speed Diesel	1210	0.8263	7.61
Light Diesel Oil	1172	0.8532	7.37
Malarial Oil	1172	0.8532	7.37
Special Larvicides	1175	0.8511	7.39
Furnace Oil	1071	0.9337	6.74
Tea Drier Oil	1071	0.9337	6.74
Hot Heavy Stock/LSHS	1017	0.9833	6.40
Refinery Gas/Ref. Boiler Fuel	1071	0.9337	6.74
Lubricants/Greases	1114	0.8977	7.01
Jute Batching Oil/Wash Oils	1167	0.8569	7.34
Bitumen	1002	0.9980	6.30
SBP/Alcohol Mixture	1414	0.7072	8.89
Methanol Mixture	1106	0.9042	6.96
Carbon Black Feed Stock	1134	0.8818	7.13
Carburetter Testing Fluid	1388	0.7205	8.73
Benzene	1131	0.8812	7.05
Toluene	1148	0.8711	7.19
Demineralised Water	1002	0.9930	6.30
S. Glass Kleanzit	1003	0.9970	6.31
Miscellaneous	1114	0.8977	7.01
Wax/P. Coke/Chemicals	1114	0.8977	7.01
Aromex	1221	0.8190	7.68
Linear Alkyl Benzene Feed Stock	1205	0.8239	7.88

Volume per Metric Ton of Petroleum Products

Products	Kilolitre	Imperial Gallon	U.S. Gallon	Barrel
Liquefied Petroleum Gas	1.8519	407.365	489.213	11.648
Aviation Spirit	1.3699	301.332	361.873	8.613
Natural Gasoline	1.3514	297.265	356.990	8.496
Motor Spirit	1.3514	297.265	356.990	8.496
Kerosene	1.2346	271.569	326.137	7.764
Jet Fuel	1.2346	271.569	326.137	7.764
Distillate Fuel Oil	1.1494	252.415	293.522	6.988
Lubricating Oil	1.1111	252.845	303.647	7.231
Fuel Oil N.O.S.	1.0939	241.727	290.301	6.911
Residual Fuel Oils	1.0526	231.551	278.071	6.623
Asphalt and Bitumen	0.9615	211.515	254.013	6.050
Crude Oil	1.1856	260.910	313.340	7.441

Conversion Factors for Duty Reduction from 15° C to 29.5° C

Product	Conversion Factor
1. Aviation Spirit 100/130	0.9827
2. Aviation Spirit 114/145	0.9820
3. Aviation Spirit 73 Clear	0.9824
4. Aviation Turbine Fuel	0.9862
5. Motor Spirit 83	0.9830
6. Motor Spirit 93	0.9836
7. High Speed Diesel Oil	0.9879
8. Kerosene	0.9864
9. Light Diesel Oil	0.9877
10. Furnace Oil	0.9899
11. Special Boiling Point Spirit 55/115	0.9820
12. Special Boiling Point Spirit 64/69	0.9806
13. Solvent 1425	0.9820
14. Hexane	0.9806

Petroleum Specific Gravities

Degrees A.P.I.	Specific Gravity	Barrels Per tonne*	Long Ton*
25	0.9042	6.98	7.09
26	0.8984	7.02	7.13
27	0.8927	7.06	7.18
28	0.8871	7.10	7.22
29	0.8816	7.15	7.27
30	0.8762	7.19	7.31
31	0.8708	7.24	7.36
32	0.8654	7.28	7.40
33	0.8602	7.33	7.45
34	0.8550	7.37	7.49
35	0.8499	7.42	7.54
36	0.8448	7.46	7.58
37	0.8398	7.51	7.63
38	0.8348	7.55	7.67
39	0.8299	7.60	7.72
40	0.8251	7.64	7.76
41	0.8203	7.69	7.81
42	0.8156	7.73	7.85

*Approximate figure at 15.6 degrees C or 60 degree F.

Petroleum Specific Gravity Ranges

Products	Specific Gravity	Barrels Per tonne
Crude Oils	0.80-0.97	8.0-6.6
Aviation Gasolines	0.70-0.78	9.1.8.2
Motor Gasolines	0.71-0.79	9.0-8.1
Kerosene	0.7870.84	8.2-7.6
Gas Oil	0.82-0.90	7.8-7.1
Diesel Oils	0.82-0.92	7.8-6.9
Lubricating Oils	0.85-0.95	7.5-6.7
Fuel Oils	0.92-0.99	6.9-6.5
Asphaltic Bitumens	1.00-1.10	6.4-5.8

Crude Oil Conversions@

To convert these into	Metric Tons	Barrels	Kilolitres	1,000 Imp. Gallon	1,000 U.S. Gallon
Metric Tons	1	7.33	1.16	0.256	0.308
Barrels	0.136	1	0.159	0.035	0.042
Kilolitres	0.863	6.29	1	0.220	0.264
1,000 Imp. Gallons	3.91	28.6	4.55	1	1.201
1,000 U.S. Gallons	3.25	23.8	3.79	0.833	1

@=Based on World Average Gravity (Excluding Natural Gas Liquids)

Multiplier for Conversion of one Metric Tonne of Petroleum Products to one Tonne of Oil Equivalent

Product	Multiplier
L.P.G.	1.130
Naphtha	1.075
Aviation Gasoline	1.070
Motor Gasoline	1.070
Jet Fuel	1.065
Kerosene	1.045
Gas/Diesel	1.035
Residual Fuel Oils	0.985
Others	0.960

Average International Calorific Value of different Fules

	Products	K Cals./Kg. (M. Cals/Tonne)	BTUs/Kg.
	1	2	3
A.	**Oil Equivalence**		
	Average Crude Oil/NGLS(a)	10,300	40,870
	United Nations	10,175	40,375
B.	**Oil Products:**		
	NGL	12,135	48,150
	Motor Gasoline	11,135	44,190
	Kerosene	10,638	42,210
	Jet Fuel	11,790	46,790
	Gas Oil	10,790	42,820
	Fuel Oil	10,440	41,430
C.	**Coal Equivalence:**		
	Average Hard Coal (b)	7,000	27,775
D.	**INDIA**		
	Hard Coal	5,000	19.840
	Lignite-Brown Coal	2,310	916
	Firewood@	4,750	18,848
	Charcoal@	6,900	27,379
E.	**Natural Gas-Production: (Average) India**		**K cals/Cu. Metre**
			8,000-9,480
F.	**Electricity:**		
	Output Basis (c)		860
	Fuel Input basis (d)		2,500-2,700

Note: (a) Represent average global factor for crude Oil/NGL production. For a specific crude oil, relevant conversion factor may have to be used.

(b) Factor used by United Nations to represent average calorific value of hard coals for purposes of standardising coal production to hard coal equivalent base.

(c) Calorific value of 1kwh of electricity.

(d) Represents K cals of hydro-carbon energies required to produce 1 kwh of electricity.

@ As per Report of Fuel Policy Committee 1974

Conversion Factor: 1 K Cal=4.19 KJoules.

Coefficients used to Convert from Original Units into Standard Coal Equivalents

Products		Hard Coal	Lignite Brown Coal	Fuel Wood
	1	2	3	4
A.	**Primary Solids**			
1	Standard Factor	1	0.385	0.333
2	India	0.714	0.330	
B.	**Other Hydrocarbons**			
1	Petroleum Crude	1.454		
2	Natural Gas Liquids (wt.av.)	1.542		
3	Gasolines	1.500		
4	Kerosene & Jet Fuel	1.474		
5	Gas-Diesel Oil	1.450		
6	Residual Fuel Oil	1.416		
7	Liquified Petroleum Gases	1.554		
8	Natural Gasoline	1.532		
9	Condensate	1.512		
10	Other Natural Gas Liquids	1.512		
11	Natural Gas (in Terajoules)*	34.121		
12	Other Gases (in Terajoules)*	34.121		
13	Hydro, Nuclear and Geothermal Electricity (In 1,000kwh)	0.123		

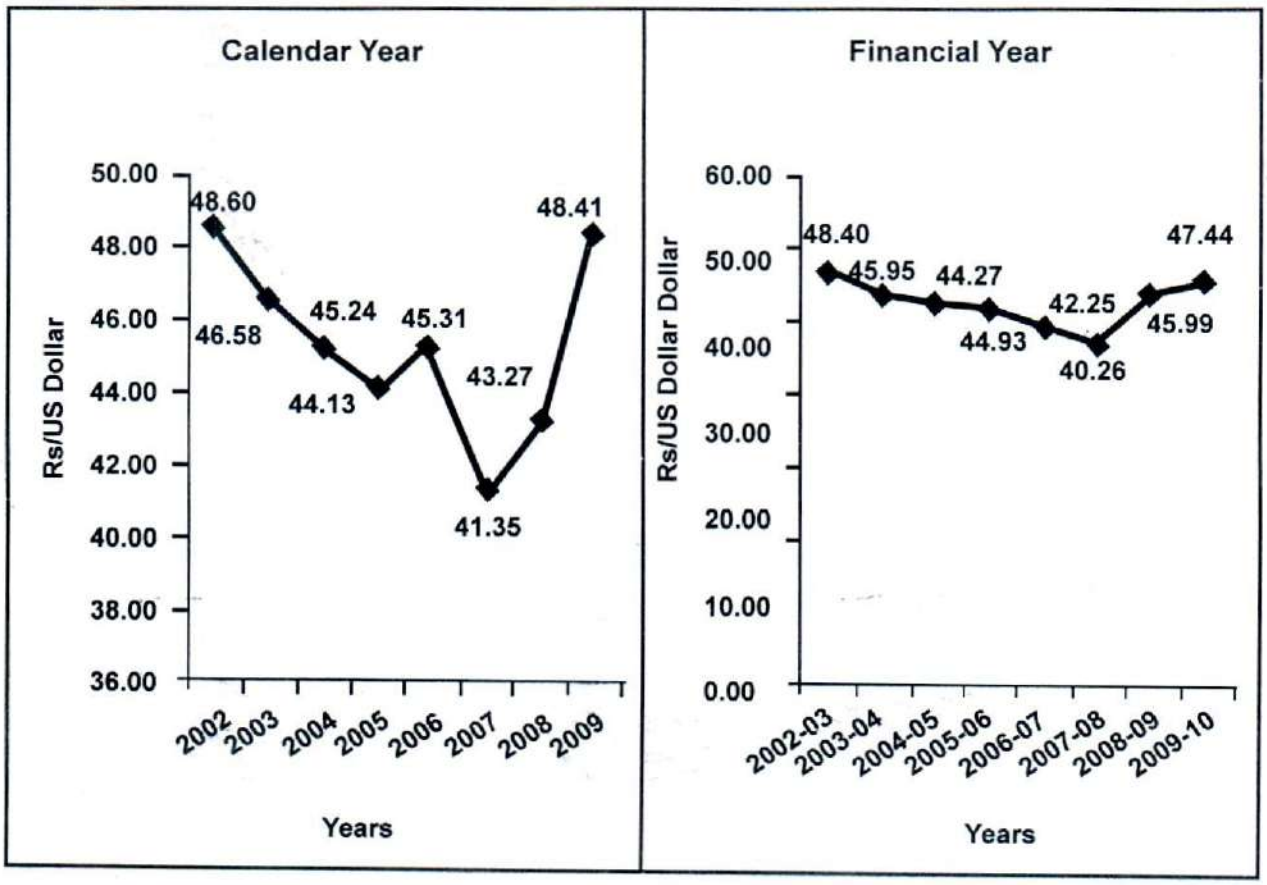
Note: * = The average calorific value of gas is measured in Kcal/m^3 (st.) i.e. in Kcal per cubic metre of gas under standard conditions of 15°C, 013.25 mbar, dry.

Exchange Rates

(Rs. Per U.S. Dollar)

Year	Calendar Years					Financial years	
	1st Qr.	2nd Qr.	3rd Qr.	4th Qr.	Average for the year	Year	Average for the year
1	2	3	4	5	6	7	8
2002	48.58	48.96	48.60	48.26	48.60	2002-03	48.40
2003	47.77	47.06	46.00	45.50	46.58	2003-04	45.95
2004	44.65	45.30	46.32	44.68	45.24	2004-05	44.93
2005	43.69	43.62	43.84	45.37	44.13	2005-06	44.27
2006	44.4	45.47	46.37	44.99	45.31	2006-07	42.25
2007	44.17	41.23	40.52	39.46	41.35	2007-08	40.26
2008	39.82	41.72	42.78	48.76	43.27	2008-09	45.99
2009	49.77	48.79	48.42	46.64	48.41	2009-10	47.44

Source: httpp://www.rbi@nic.in & Economic Survey.



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