

सत्यमेव जयते

INDIAN PETROLEUM & NATURAL GAS STATISTICS

2013-14

GOVERNMENT OF INDIA
MINISTRY OF PETROLEUM & NATURAL GAS
ECONOMICS AND STATISTICS DIVISION
NEW DELHI

Foreword

The publication entitled " Indian Petroleum & Natural Gas Statistics" is brought out every year by Ministry of Petroleum & Natural Gas. This publication contains the latest available information on the petroleum and natural gas in respect of India and world as well. A brief analysis of the data is provided on the Production, Exploration, Refining, Transportation and Marketing, Imports and Exports of crude oil and petroleum products along with the taxes and duties realized. Manpower employed in PSUs under Ministry of Petroleum & Natural Gas, Plan outlays and Actual Expenditures for all the Sectors for 11th and 12th Five Year Plans, Dividend Paid, Equity Capital and Profits of the PSUs have also been covered. International Petroleum Statistics provides a glimpse of world petroleum scenario. In order to meet the requirement of the diverse users, most of the information has been given calendar year-wise and financial year-wise as well.

It is our privilege to express deep sense of gratitude to all the data providers for their timely response because of which it has been possible to bring out the quality publication within the stipulated time. The efforts put in by the officials of Economics & Statistics Division in bringing out the present issue are highly appreciated. We hope that the bulletin will prove useful for the all kind of data users. Any comment/suggestion towards the scope, contents, layout etc. of the publication would be welcome and deeply appreciated.

Archana Sahaya

(Dr. Archana S. Mathur)
Economic Advisor

New Delhi
October 2014

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GENERAL

1.1 SCOPE AND COVERAGE OF DATA PUBLISHED

1. **Scope:** The **"Indian Petroleum & Natural Gas Statistics"** presents comprehensive statistics on various aspects of Indian Petroleum & Natural Gas Industries. The data on international developments in respect of the important segment of Petroleum and Natural Gas Industries have also been presented in the publication.

2. **Coverage:** The Statistics presented in the current publication cover the exploration, production, refining, marketing activities etc. of Oil sector.

3. **Source:** The primary statistics in respect of petroleum and natural gas industries included in the publication are based on various returns, submitted by the oil public sector undertakings (PSUs), joint venture companies and private companies under the Ministry of Petroleum & Natural Gas.
   The sources of all the secondary data, including international statistics, incorporated in the publication, have been indicated at the bottom of relevant tables.

4. **Limitations:** The data in respect of sales/consumption of petroleum products reflect dispatches of various petroleum products from the sales depots of different oil companies to the bulk consumers/retail outlets. The state-wise sales/consumption of such products show dispatches to direct consumers / retail outlets meant for consumption / sales in a particular state.

5. **Reference Period:** All the key statistics for the domestic petroleum and natural gas industries have been presented on calendar (January-December) as well as on financial year (April-March) basis.

6. **Natural Gas:** The gross production of natural gas reflects gross withdrawals of natural gas from reservoir. On the other hand, the net production of natural gas show gross withdrawal of natural gas from reservoirs less gas used for reinjection into reservoirs for pressuring gas which is flared and / or vented.
   The utilization data for natural gas includes gas marketed, gas used for LPG extraction and gas consumed for field operations by the companies engaged in hydrocarbons exploration / production activities.

7. **Petroleum Exports:** The refined petroleum products supplied by the Indian Oil Corporation to Nepal have also been included under Indian exports from 1983-84.

8. **Petroleum Imports:** The crude oil and product import figures given in the publication includes crude oil / petroleum products imported by the oil PSUs, private and parallel marketers on behalf of Nepal for processing of crude oil in Indian refineries and arranging supplies of desired products to Nepal. Petroleum products actually brought into the country from processing of Indian and international crudes at foreign refineries for Indian oil companies, have also been included under the product import figures.

9. **Value of Import/Export:** The value data in respect of exports of petroleum included in the publication show F.O.B. value of exports whereas similar value figures for imports reflect C.I.F. value of imports.

10. **Revision / updating:** Necessary revision / updating in the past data have been made in the light of latest available figures.

11. **Abbreviations:** Details of abbreviations used have been provided in Appendix.

12. **Conversion factor:** The conversion factors generally used in the oil sector are also given in the appendix.

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

1.1 Introduction

The Indian economy is at a critical stage of development. During 2013-14, the growth rate of Gross Domestic Product (GDP) at current prices is estimated to have increased by 4.9%, with growth in 'Manufacturing' at -0.2% and 'Mining and quarrying' at -1.9%.

The slowdown in growth of the industrial sector had an impact on the demand for petroleum products that increased by only 0.7% over the previous year 2012-13. It may however, be noted that given the limited domestic availability of crude oil and natural gas the country is still compelled to import over 75% of its domestic requirement. Keeping in view the vast energy requirement of the country, Ministry of Petroleum & Natural Gas has taken several initiatives for enhancing exploration and exploitation of petroleum resources and for improving the distribution and marketing of petroleum products.

1.2 Crude Oil and Natural Gas Production

The crude oil production for the year 2013-14 was 37.788 million metric tonnes (MMT) as against 37.862 MMT for the previous year viz. 2012-13, showing a marginal decrease of about 0.20%.The majority of crude oil production is from ageing fields except new fields viz., Rajasthan and KG deep-water blocks. Production of Crude oil was affected due to environmental factors, bandhs/blockades in Assam, power disturbances in Gujarat, delay in production from wells in Andhra Pradesh, and lesser production from development/side-track wells in Mumbai, poor influx, under performance of producing wells and less base potential of major fields that affected production of Ahmadabad & Ankleshwar.

Natural Gas Production for the year 2013-14 was 35.407 Billion Cubic Meters (BCM) as against 40.679 BCM in the previous year viz. 2012-13, showing a decline of about 12.96%. The decrease in natural gas production is due to decline in production from KG deep-water block where a total of 9 wells in D-1 & D-3 fields and 3 wells in MA field have ceased to flow due to water /sand ingress in KG-SWN-98/3 field and closure of MA wells due to leak observed in the MA riser. Also there is lower gas production as a consequential effect of bandhs and blockades in Assam and underperformance of development of new wells.

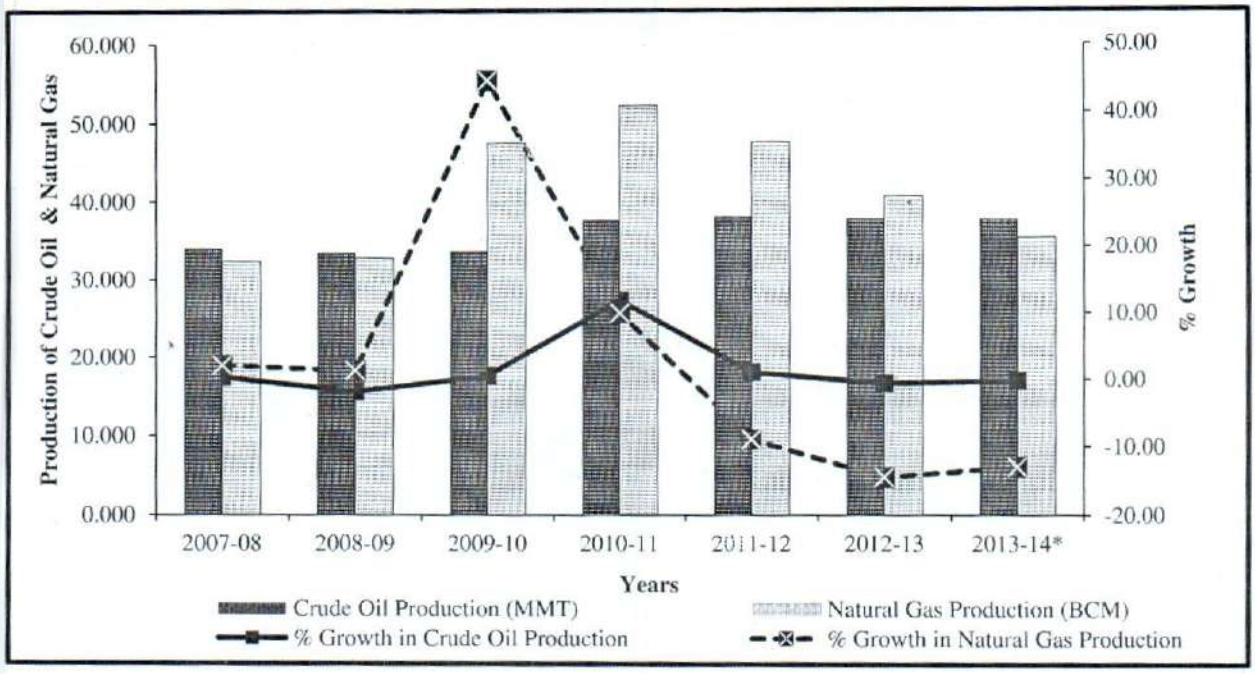
The trend in the production of crude oil and natural gas since 2007-08 to 2013-14 has been shown in Table-1 & Graph-1.

Table-1: Crude Oil and Natural Gas Production

Year	Crude Oil Production (MMT)	% Growth in Crude Oil Production	Natural Gas Production (BCM)	% Growth in Natural Gas Production
2007-08	34.118	0.38	32.417	2.11
2008-09	33.508	-1.79	32.845	1.32
2009-10	33.690	0.54	47.496	44.61
2010-11	37.684	11.85	52.219	9.94
2011-12	38.090	1.08	47.559	-8.92
2012-13	37.862	-0.60	40.679	-14.47
2013-14*	37.788	-0.19	35.407	-12.96

*:Provisional

Graph-1: Crude Oil & Natural Gas Production



*: Provisional

1.3 Refining Capacity & Production of Petroleum Products

There has been considerable increase in refining capacity in the country over the years, although during 2013-14 there was no substantial capacity expansion. The refining capacity stood at 215.066 MMTPA as on 01.04.2014. By the end of XII Five Year Plan, refinery capacity is expected to reach 307.366 MMTPA.

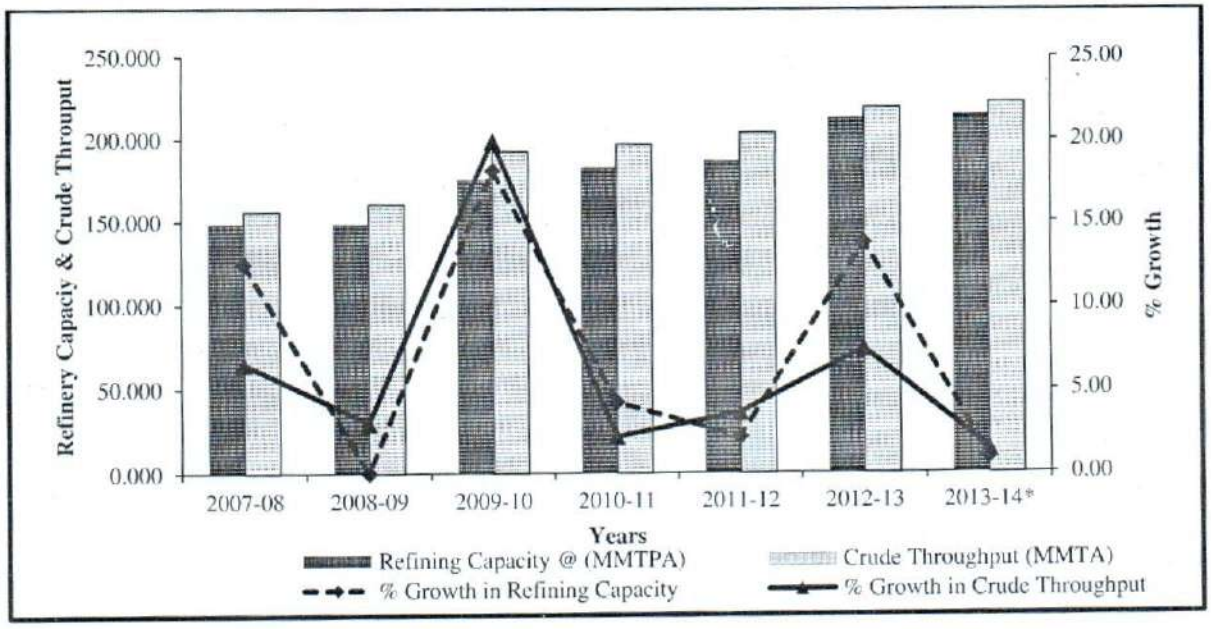
Refinery Crude Throughput (Crude Oil Processed) for the year 2013-14 was about 222.497 MMT as against 219.212 MMT of the previous year 2012-13, showing a marginal increase of about 1.50%. The trend in Refining Capacity and production of petroleum products has been show in Table- 2 & Graph -2.

Table -2 Refinery Capacity & Refinery Crude Throughput (in terms of Crude Oil Processed)

Year	Refining Capacity @ (MMTPA)	% Growth in Refining Capacity	Crude Throughput (MMTA)	% Growth in Crude Throughput
2007-08	148.968	12.46	156.103	6.52
2008-09	148.968	0.00	160.772	2.99
2009-10	175.956	18.12	192.768	19.90
2010-11	183.386	4.22	196.989	2.19
2011-12	187.386	2.18	204.121	3.62
2012-13	213.066	13.70	219.212	7.39
2013-14*	215.066	0.94	222.497	1.50

*Provisional @: As on 1st April of initial year

Graph-2: Refinery Capacity and Refinery Crude Throughput



1.3 Production and Consumption of Petroleum Products

Production of petroleum products from Indian refineries has gone up from 217.736 MMT in 2012-13 to 220.756 MMT during 2013-14 i.e. higher by 1.39% as compared to the previous year. During the year, keeping pace with the economic growth trend, the consumption of petroleum products in India has grown by only 0.73% and rose to 158.197 MMT during 2013-14. Consumption of LPG increased by 4.71%, Petroleum Coke increased by 14.96%, MS by 8.79% and ATF by 4.44% during 2013-14, whereas the consumption of Naphtha declined by 6.79%, Kerosene 4.49%, HSD by 1.03%, Fuel oil by 19.11% and Lube by 9.55% over the previous year 2012-13. Year-wise production and consumption of petroleum products during 2011-12 to 2013-14 have been shown in Table-3 & Graph- 3.

Table-3: Production and Consumption of Petroleum Products

Year	Production of Petro-Products (MMT)	% Growth in Production of Petro-Products	Consumption of Petro-Products (MMT)	% Growth in Consumption of Petro-Products
2007-08	149.472	7.02	128.946	6.79
2008-09	155.148	3.80	133.599	3.61
2009-10	184.608	18.99	137.808	3.15
2010-11	194.821	5.53	141.040	2.35
2011-12	203.202	4.30	148.132	5.03
2012-13	217.736	7.15	157.057	6.02
2013-14*	220.756	1.39	158.197	0.73

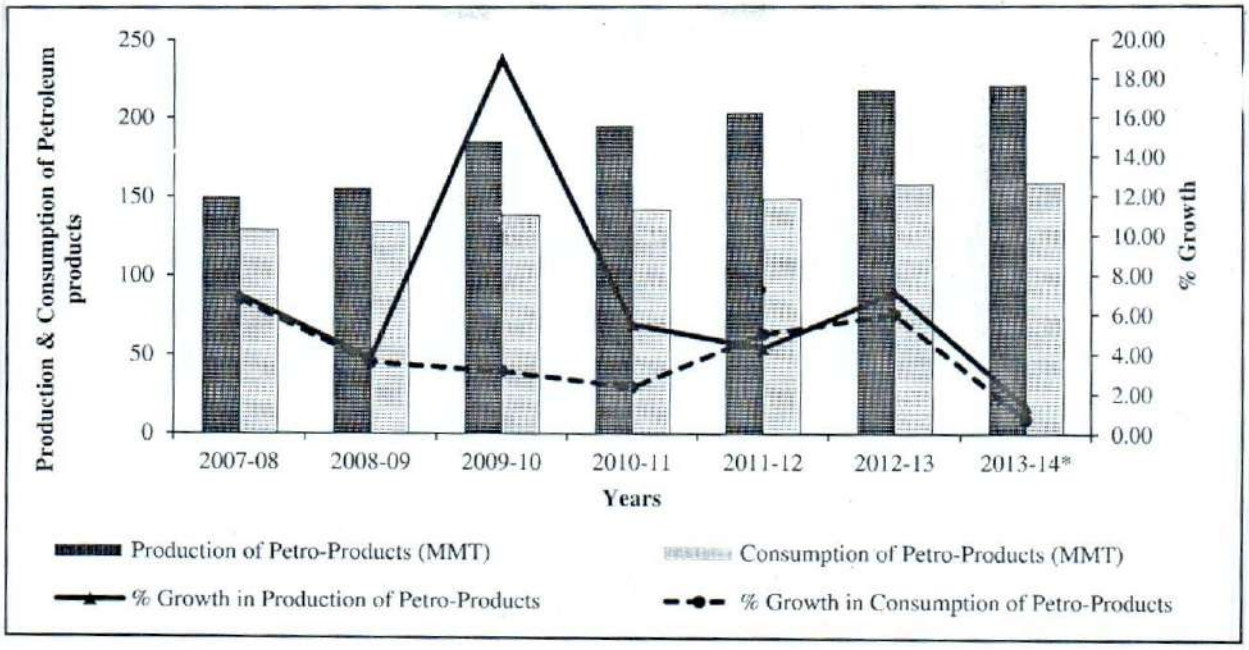
*Provisional

Notes:

1. Production of petroleum products includes Production of Petroleum Products from Fractionators.

2. Consumption of Petroleum Products excludes refinery fuels and includes imports also.

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



1.4 Import of Crude Oil:

During the year 2013-14 the import of crude oil was 189.238 MMT valued at Rs. 8,64,875 crore as against 184.795 MMT production in 2012-13 valued at Rs. 7,84,652 .An increase of about 2.40% in quantity terms and 10.22% in value terms has been observed during the year 2013-14 over 2012-13.

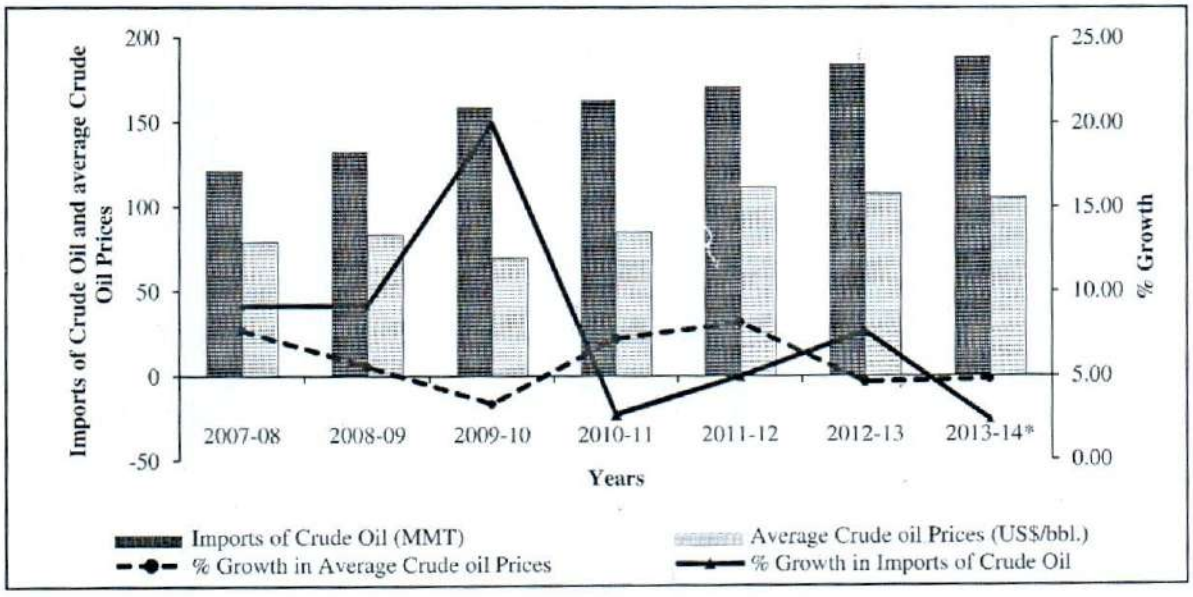
The average international crude oil price (Indian Basket) was US$105.52/bbl. in 2013-14 as compared to US$ 107.97/bbl. in 2012-13. Average price of International crude oil (Indian Basket) during 2013-14 was lower by 2.27% as compared to the previous year 2012-13. The trend in growth of crude oil imports and crude oil international (Indian Basket) prices is shown in Table-4 & Graph- 4.

Table-4: Imports of Crude Oil and average Crude Oil Prices

Year	Imports of Crude Oil (MMT)	% Growth in Imports of Crude Oil	Average Crude oil Prices (US$/bbl.)	% Growth in Average Crude oil Prices
2007-08	121.672	9.12	79.250	26.88
2008-09	132.775	9.13	83.570	5.45
2009-10	159.259	19.95	69.760	-16.53
2010-11	163.595	2.72	85.090	21.98
2011-12	171.729	4.97	111.890	31.50
2012-13	184.795	7.61	107.970	-3.50
2013-14*	189.238	2.40	105.520	-2.27

*Provisional

Graph-4: Quantity of Crude Oil Imports and Average International Crude Oil Prices



1.5 Imports & Exports of Petroleum Products:

With increase in refinery capacity, production of petroleum products has increased substantially during last few years. During 2013-14, 67.864 MMT of petroleum products, valued at Rs. 3,68,279 crore were exported. During the previous year 2012-13, export of these products was 63.408 MMT valued at Rs. 3,20,090 crore. Exports of petroleum products during 2013-14 were higher by 7.03% in terms of quantity and by 15.05% in terms of value, as compared to the previous year.

The quantity of petroleum products imported during 2013-14 was 16.718 MMT valued at Rs. 74,605 crore. During 2012-13, imports of these products were 15.774 MMT valued at Rs. 68,363 crore. Imports of petroleum products increased by 5.98% in terms of quantity and increased by 9.13% in value terms, as compared to the previous year.

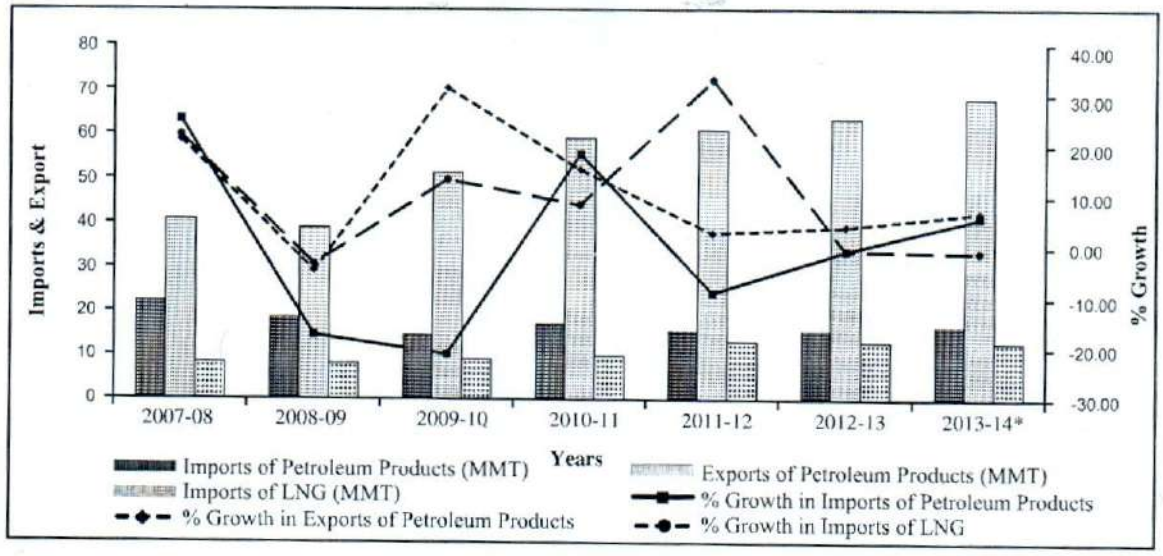
During 2013-14, 13.032 MMT of LNG valued at Rs. 53,307 crore, was imported, which marked decrease of 0.79 % in quantity and 27.74% increase in value terms. The trends in quantity of Petroleum Products and LNG imports & exports are depicted below in Table-5 & Graph-5.

Table-5: Imports & Exports of Petroleum Products

Year	Imports of Petroleum Products (MMT)	% Growth in Imports of Petroleum Products	Exports of Petroleum Products (MMT)	% Growth in Export of Petroleum Products	Imports of LNG (MMT)	% Growth in Imports of LNG
2007-08	22.462	25.25	40.779	21.28	8.320	22.17
2008-09	18.586	-17.26	38.944	-4.50	8.060	-3.13
2009-10	14.665	-21.10	51.155	31.35	9.148	13.50
2010-11	17.379	18.51	59.077	15.49	9.931	8.56
2011-12	15.849	-8.80	60.837	2.98	13.214	33.06
2012-13	15.774	-0.48	63.408	4.23	13.136	-0.60
2013-14*	16.718	5.99	67.864	7.03	13.032	-0.79

*Provisional

Graph-5: Trend in Imports & Exports of Petroleum Products



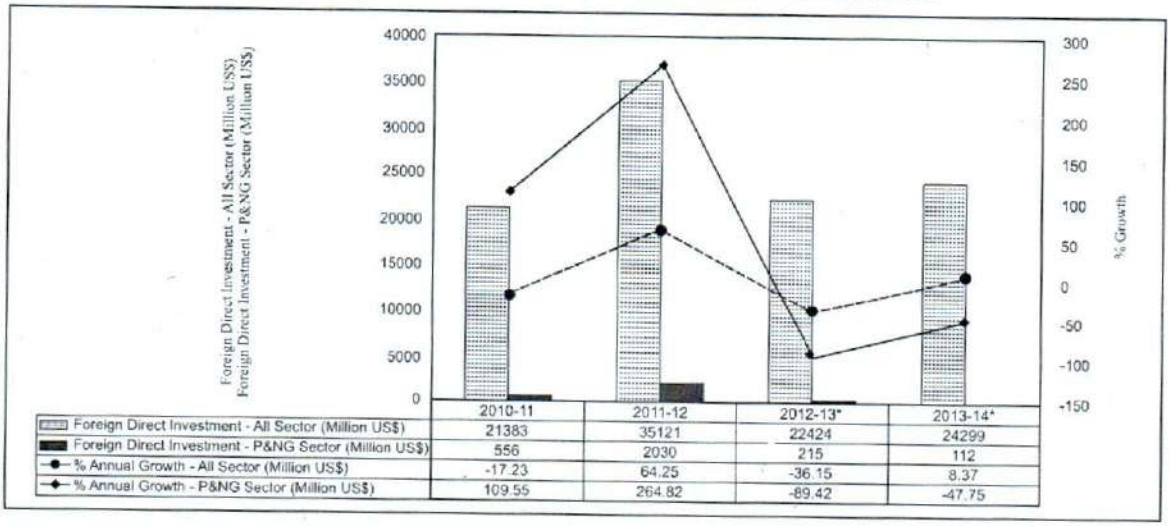
1.6 Equity Oil and Gas from Abroad

In view of unfavorable demand–supply balance of hydrocarbons in the country, acquiring equity oil and gas assets overseas is one of the important components in enhancing energy security. The Government is encouraging national oil companies to pursue equity oil and gas opportunities overseas. Oil & Natural Gas Corporation Videsh Limited (OVL) has produced about 8.357 Million Metric Tons (MMT) of oil and equivalent gas during the year 2013-14 from its assets abroad in Sudan, Vietnam, Venezuela, Russia, Syria, Brazil, South Sudan and Colombia. The estimated crude oil & natural gas production target in 2014-15 is about 8.155 MMT of oil and equivalent gas.

1.7 Foreign Direct Investment Inflows

In order to attract Foreign Direct Investment (FDI) in the sector, the FDI policy has been further liberalized in refining. FDI for petroleum refining by CPSEs was allowed with 49% foreign equity under the automatic route instead of approval through Foreign Investment Promotion Board. Year-wise FDI inflows under Petroleum & Gas sector is given below. It may be observed that inflow of 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.

Year wise FDI inflows under Petroleum & Gas Sector



	2010-11	2011-12	2012-13*	2013-14*
Foreign Direct Investment - All Sector (Million US$)	21383	35121	22424	24299
Foreign Direct Investment - P&NG Sector (Million US$)	556	2030	215	112
% Annual Growth - All Sector (Million US$)	-17.23	64.25	-36.15	8.37
% Annual Growth - P&NG Sector (Million US$)	109.55	264.82	-89.42	-47.75

1.3 Indian Economy -Selected Indicators

Indicator	Unit/base	2007-08	2003-09	2009-10	2010-11	2011-12	2012-13	2013-14
1	2	3	4	5	6	7	8	9
1. Geographical Area	M.Sq.Km.	3.29	3.29	3.29	3.29	3.29	3.29	3.29
2. Population	Million	1138	1154	1170	1186	1202	1213	1229
3. Gross Domestic Product								
at factor cost :								
(i) At current prices	Rs. '000 Crore	4582	5304	6109	7249	8392	9389	10540
(ii) At constant prices	Rs. '000 Crore	3897	4159	4516	4919	5248	5482	5749
4. Net National Product								
at factor cost :								
(i) At current prices	Rs. '000 Crore	4077	4705	5411	6407	7435	8256	9238
(ii) At constant prices	Rs. '000 Crore	3452	3664	3966	4294	4573	4729	4927
5. Per Capita Net								
National Product :								
(i) At current prices	Rupees	35825	40775	46249	54021	61855	67839	74920
(ii) At constant prices	Rupees	30332	31754	33901	36202	38048	38856	39961
6. Foreign Exchange Reserves :								
(i) Gold	Rs. Crore	40124	48793	81188	102572	138250	139737	129616
(ii) SDR	Rs. Crore	74	6	22596	20401	22866	23538	26826
(iii) Foreign currency Asse	Rs. Crore	1196023	1230066	1149650	1224883	1330511	1412631	1660914
7. Foreign Trade :								
(i) Import	Rs. Crore	1012312	1374436	1363704	1683467	2345463	2669162	2714182
(ii) Export	Rs. Crore	655864	840755	845534	1142922	1465959	1634319	1894182
(iii) Balance of Trade	Rs. Crore	-356448	-533681	-518170	-540545	-879504	-1034843	-820000
8. Index of Production :								
(i) Agricultural	2007-08=100	107	107	103	121	125	124	129
(ii) Industrial	2004-05=100	142	145	153	166	170	172	172
9. Wholesale Price Index :	2004-05=100	117	125	131	143	156	168	178
10. Consumer Price Index:								
(i) Industrial Workers	2001=100	133	145	163	180	195	215	236
(ii) Agricultural Labourers	1986-87=100	409	450	513	564	611	672	750
(iii) Rural Labourers	1986-87=100	409	451	513	564	611	673	751
11 Energy Generation (Gross) :								
Coal	MMT	457	493	532	533	540	556	566
Lignite	MMT	34	32	34	38	42	46	44
Natural Gas	BCM	32	33	47	52	48	41	35
Crude Oil	MMT	34	34	34	38	38	38	38
Petroleum Products	MMT	149	155	185	195	203	218	221
12. Electricity Generated (Gross)								
(i) Total Utilities	B.KWH	723	741	800	884	973	964	1023
Hydel	B.KWH	120	110	104	114	131	114	135
Thermal	B.KWH	585	616	677	704	759	760	792
Nuclear	B.KWH	17	15	19	26	32	33	34
R.E.S.	B.KWH	-	-	-	39	51	57	61
(ii) Non-utilities	B.KWH	91	100	106	121	128	144	151
Total Electricity	B.KWH	813	841	906	1005	1102	1108	1174
13. POL Traffic by Rail	MMT	36	35	39	39	40	41	42

Note: Figures reconciled for previous years, provisional for 2013-14.

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

I.4 Trends in Indian Petroleum Industry at a Glance

Item	Unit	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14*
1	2	3	4	5	6	7	8	9
1. Production :								
(i) Crude Oil	MMT	34.12	33.51	33.69	37.68	38.09	37.86	37.79
(ii) Natural Gas	BCM	32.42	32.84	47.50	52.22	47.56	40.68	35.41
(iii) Petroleum Products	MMT	149.47	155.15	184.61	194.82	203.20	217.74	220.76
2. Consumption								
(i) Crude Oil (in terms of refinery crude processed)	MMT	156.10	160.77	192.77	196.99	204.12	219.21	222.50
(ii) Natural Gas	BCM	31.48	31.75	46.52	51.25	46.48	39.78	34.64
(iii) Petroleum Products	MMT	128.95	133.60	137.81	141.04	148.13	157.06	158.20
3. Reserves (Balance Recoverable) **								
(i) Crude Oil	MMT	770.12	773.34	774.66	757.40	759.59	758.44	762.74
(ii) Natural Gas	BCM	1089.97	1115.26	1148.54	1278.06	1330.24	1354.76	1427.15
3. Imports & Exports								
(i) Gross Imports :								
(a) Qty : Crude Oil	MMT	121.67	132.78	159.26	163.60	171.73	184.80	189.24
LNG	MMT	8.32	8.06	9.15	9.93	13.21	13.14	13.03
Pol. Products	MMT	22.46	18.59	14.67	17.38	15.85	15.77	16.72
Total (a)	MMT	152.45	159.42	183.07	190.91	200.79	213.70	218.99
(b) Value: Crude Oil	Rs. Billion	2726.99	3483.04	3752.77	4552.76	6722.20	7846.52	8648.75
LNG	Rs. Billion	71.97	95.48	106.95	143.62	317.18	417.31	533.07
Pol. Products	Rs. Billion	541.00	611.56	336.87	559.98	680.91	683.63	746.05
Total (b)	Rs. Billion	3339.96	4190.08	4196.59	5256.37	7720.29	8947.46	9927.87
(ii) Exports :								
(a) Qty : Pol. Products	MMT	40.78	38.94	51.15	59.08	60.84	63.41	67.86
(b) Value: Pol. Products	Rs. Billion	1107.89	1224.75	1446.87	1968.61	2846.43	3200.90	3682.79
(iii) Net Imports :								
(a) Qty : Crude Oil	MMT	121.67	132.78	159.26	163.60	171.73	184.80	189.24
Pol. Products	MMT	-18.32	-20.36	-36.49	-41.70	-44.99	-47.63	-51.15
Total (a)	MMT	111.67	120.48	131.92	131.83	139.96	150.30	151.12
(b) Value: Crude Oil	Rs. Billion	2726.99	3483.04	3752.77	4552.76	6722.20	7846.52	8648.75
Pol. Products	Rs. Billion	-566.89	-613.19	-1110.00	-1408.62	-2165.52	-2517.27	-2936.74
Total (b)	Rs. Billion	2160.10	2869.85	2642.77	3144.14	4556.68	5329.26	5712.01
(iv) Unit Value of Crude oil imports(gross)	Rs./MT	22413	26233	23564	27829	39144	42461	45703
4. India's Total Imports	Rs. Billion	10123	13744	13637	16835	23455	26692	27174
5. India's Total Exports	Rs. Billion	6559	8408	8455	11429	14660	16343	18997
6. Petroleum Imports as % of India's total Imports	%	32.99	30.49	30.77	31.22	32.92	33.52	36.53
7. Petroleum Exports as % of India's total Exports	%	16.89	14.57	17.11	17.22	19.42	19.59	19.39
8. Contribution of Oil Sector to Centre/State Resources								
(i) Royalty from crude oil	Rs. Crore	6544	7155	6155	8958	15921	18083	20114
(ii) Royalty from gas	Rs. Crore	1487	1624	1800	2355	3294	3880	3483
(iii)Oil Development Cess	Rs. Crore	7156	6886	7096	6783	8119	15784	16181
(iv) Excise & Custom duties^	Rs. Crore	78373	70557	71767	102828	95229	98603	104163
(v) Sales Tax	Rs. Crore	59890	62962	63949	80709	100375	111438	124984
(vi) Dividend	Rs. Crore	9974	9860	13811	13329	13042	14064	14994

Note: Figures reconciled for previous years. * :provisional for 2013-14, **: As on 1st April of initial year ^: Includes cess on crude oil

I.5 International Petroleum Statistics

Item	Unit	2007	2008	2009	2010	2011	2012	2013*
1	2	3	4	5	6	7	8	9
1. World Reserves : Oil & Gas at year end								
(i) Crude Oil	Th. Mn. Tonne	168.6	170.8	181.7	221.3	234.3	235.8	238.2
of which OPEC	"	127.6	129.8	145.3	159.2	168.4	169.9	170.2
(ii)Natural Gas	Tr.Cu.ft.	6263.0	6534.0	6621.0	6925.2	7360.9	6614.1	6557.8
of which OPEC	"	3259.0	3295.0	3335.0	3312.5	3333.3	3360.1	3372.174
2. World Prod. of Oil & Gas								
(i) Crude Oil	Mn. Tonne	3950.4	3991.8	3890.6	3977.8	4018.8	4119.8	4132.9
of which OPEC	"	1689.2	1746.0	1622.5	1667.6	1706.2	1776.3	1740.1
(ii)Natural Gas Net	Bn.Cu.Mtr.	2943.2	3054.0	2969.3	2884.6	3291.3	3343.3	3369.9
of which OPEC	"	546.7	572.3	580.7	580.4	618.6	657.0	
3. World Oil Refinery								
(i) Refinery capacity at year end	Mn. Tonne/ Year	4390.7	4430.8	4508.2	4556.1	4575.6	4642.8	4712.276
(ii)Crude throughput	Mn. Tonne/ Year	3739.1	3720.5	3635.3	3737.5	3760.6	3784.2	3786.738
4. World Oil Consumption								
(i) World Total	Mn. Tonne	4018.4	4000.2	3924.6	4040.2	4085.1	4138.9	4185.1
(ii)Main consuming areas !	"	2273.5	2294.9	2234.7	2344.4	2377.0	2424.8	2467.3
(iii)Consumption in main areas as % of world	%	56.6	57.4	56.9	58.0	58.2	58.6	59.0
5. World Imports/Exports								
(i) Crude Oil	Mn.Tonne	1984.0	1970.0	1892.5	1875.8	1894.7	1927.3	2040.6
(ii)Pol. Products	"	717.0	728.0	714.0	757.7	790.7	801.8	1149.365
Total	"	2701.0	2698.0	2606.5	2633.5	2685.4	2729.1	3190.0
6. Export of Crude Oil/ Pol. from OPEC								
(i) Crude Oil	"	1197.0	1190.0	1102.0	1139.0	1277.9	1377.2	1405.4
(ii)Pol. Products	"	220.1	219.5	204.5	182.0	231.5	237.9	221.24
Total	"	1417.1	1409.5	1306.5	1321.0	1509.4	1615.1	
7. World Primary Energy Consumption	Mn. Tonne Oil Eqv.							
(i) Oil	"	4018.4	4000.2	3924.6	4040.2	4085.1	4138.9	4185.1
(ii) Natural Gas	"	2647.3	2717.7	2655.7	2864.1	2914.2	2986.3	3020.4
(iii)Coal	"	3199.8	3256.3	3238.7	3464.0	3628.8	3723.7	3826.7
(iv) Hydro-Electric	"	700.7	727.6	737.7	782.1	794.7	833.6	855.8
(v) Nuclear Energy	"	621.8	619.0	614.1	626.4	600.4	559.9	563.2
(vi) Renewables	"	108.1	123.2	142.0	168.6	205.6	240.8	279.3
Total	"	**11296.1**	**11444.0**	**11312.8**	**11945.4**	**12228.7**	**12483.2**	**12730.5**

@ : Angola & Ecuador is not included.

Note: ! : Includes USA, Canada, Brazil, Germany, Japan, China, Russia, Saudi Arabia, India and South Korea.

Source : (i) BP Statistical Review of World Energy , June-2013 (ii) OPEC Annual Statistical Bulletin.

1.6(a) Petroleum Energy in India

(Calendar Year-wise)

Products	2007	2008	2009	2010	2011	2012	2013*
1	2	3	4	5	6	7	8
			Availability				
			In Original Units (Million Tonnes)				
Kerosene	10.96	9.58	9.44	9.20	8.61	7.98	7.37
ATF	4.28	4.78	4.59	4.95	5.45	5.37	5.48
Diesel	45.31	52.49	57.60	60.66	63.10	69.27	67.53
Fuel Oils	10.07	12.50	10.94	14.70	12.41	10.32	8.83
Others^	30.74	32.68	34.72	37.66	43.06	45.69	45.72
Total	**101.36**	**112.03**	**117.30**	**127.16**	**132.64**	**138.63**	**134.93**
			In Million Tonnes of Coal Equivalent Unit @				
Kerosene	21.92	19.16	18.88	18.40	17.22	15.96	14.74
ATF	8.56	9.56	9.18	9.90	10.90	10.74	10.96
Diesel	90.62	104.98	115.20	121.32	126.20	138.54	135.06
Fuel Oils	20.14	25.00	21.88	29.40	24.82	20.64	17.66
Others^	61.48	65.36	69.44	75.32	86.12	91.38	91.44
Total	**202.72**	**224.06**	**234.58**	**254.34**	**265.26**	**277.26**	**269.86**
			In Million Tonnes of Coal Replacement Unit @				
Kerosene	87.68	76.64	75.52	73.60	68.88	63.84	58.96
ATF	32.10	35.85	34.43	37.13	40.88	40.28	41.10
Diesel	407.79	472.41	518.40	545.94	567.90	623.43	607.77
Fuel Oils	20.14	25.00	21.88	29.40	24.82	20.64	17.66
Others^	124.74	124.74	124.74	124.74	124.74	126.37	126.37
Total	**672.45**	**734.64**	**774.97**	**810.81**	**827.22**	**874.56**	**851.86**
			Consumption #				
			In Original Units (Million Tonnes)				
Kerosene	9.37	9.31	9.35	9.00	8.43	7.65	7.25
ATF	4.40	4.49	4.59	4.82	5.32	5.14	5.26
Diesel	44.78	51.41	54.11	58.05	63.50	68.58	68.88
Fuel Oils	11.59	11.18	10.90	9.81	8.47	7.00	5.34
Others^	32.93	34.71	38.04	42.96	46.28	48.70	49.56
Total	**103.08**	**111.11**	**117.00**	**124.64**	**132.01**	**137.07**	**136.28**
			In Million Tonnes of Coal Equivalent Unit @				
Kerosene	18.74	18.62	18.70	18.00	16.87	15.31	14.50
ATF	8.80	8.98	9.18	9.64	10.65	10.27	10.52
Diesel	89.56	102.82	108.23	116.09	127.01	137.16	137.76
Fuel Oils	23.19	22.36	21.81	19.62	16.95	14.00	10.67
Others^	65.86	69.43	76.08	85.92	92.55	97.40	99.11
Total	**206.15**	**222.21**	**233.99**	**249.27**	**264.02**	**274.15**	**272.56**
			In Million Tonnes of Coal Replacement Unit @				
Kerosene	74.96	74.48	74.80	72.00	67.47	61.24	58.00
ATF	33.00	33.68	34.43	36.16	39.93	38.51	39.44
Diesel	403.02	462.69	487.02	522.42	571.54	617.23	619.93
Fuel Oils	23.19	22.36	21.81	19.62	16.95	14.00	10.67
Others^	117.31	128.94	128.94	128.94	128.94	128.94	128.94
Total	**651.48**	**722.15**	**746.99**	**779.14**	**824.83**	**859.93**	**856.98**

Note: ^: Excludes Naphtha, Lube, Bitumen, Petroleum Coke, Paraffin Wax & Other Petroleum Product instead LPG, Gasoline, Refinery Gas and Refinery Fuel. *: Provisional

1.6(b) Petroleum Energy in India

(Financial Year-wise)

Products	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14*
1	2	3	4	5	6	7	8
			Availability				
			In Original Units (Million Tonnes)				
Kerosene	10.15	9.57	9.48	9.05	8.39	7.95	7.40
ATF	4.62	4.37	4.71	5.09	5.50	5.42	5.47
Diesel	44.29	45.29	46.29	47.29	63.95	69.66	67.77
Fuel Oils	9.16	13.20	14.09	14.71	11.74	10.20	8.53
Others^	19.73	32.15	38.41	42.02	45.77	47.87	55.82
Total	**87.96**	**104.59**	**112.98**	**118.17**	**135.36**	**141.10**	**144.99**
			In Million Tonnes of Coal Equivalent Unit @				
Kerosene	20.30	19.14	18.96	18.10	16.78	15.90	14.80
ATF	9.24	8.74	9.42	10.18	11.00	10.84	10.94
Diesel	88.58	90.58	92.58	94.58	127.90	139.32	135.54
Fuel Oils	18.32	26.40	28.18	29.42	23.48	20.40	17.06
Others^	39.46	64.30	76.82	84.04	91.54	95.74	111.64
Total	**175.90**	**209.16**	**225.96**	**236.32**	**270.70**	**282.20**	**289.98**
			In Million Tonnes of Coal Replacement Unit @				
Kerosene	81.20	76.56	75.84	72.40	67.12	63.60	59.20
ATF	34.65	32.78	35.33	38.18	41.25	40.65	41.03
Diesel	398.61	407.61	416.61	425.61	575.55	626.94	609.93
Fuel Oils	18.32	26.40	28.18	29.42	23.48	20.40	17.06
Others^	119.21	124.74	124.74	124.74	124.74	124.74	124.74
Total	**651.99**	**668.09**	**680.70**	**690.35**	**832.14**	**876.33**	**851.96**
			Consumption#				
			In Original Units (Million Tonnes)				
Kerosene	9.37	9.30	9.30	8.93	8.23	7.50	7.16
ATF	4.54	4.42	4.63	5.08	5.54	5.27	5.50
Diesel	48.34	52.26	56.78	60.53	64.75	69.48	68.75
Fuel Oils	12.72	12.59	11.59	10.79	9.31	7.66	6.19
Others^	34.25	35.51	37.56	44.40	47.64	49.69	51.33
Total	**109.22**	**114.08**	**119.86**	**129.72**	**135.46**	**139.60**	**138.95**
			In Million Tonnes of Coal Equivalent Unit @				
Kerosene	18.74	18.60	18.60	17.86	16.46	15.00	14.33
ATF	9.08	8.84	9.26	10.16	11.07	10.54	11.01
Diesel	96.68	104.52	113.56	121.05	129.50	138.96	137.51
Fuel Oils	25.44	25.18	23.18	21.58	18.61	15.31	12.39
Others^	68.50	71.03	75.12	88.79	95.27	99.38	102.66
Total	**218.44**	**228.17**	**239.72**	**259.44**	**270.92**	**279.20**	**277.90**
			In Million Tonnes of Coal Replacement Unit @				
Kerosene	74.96	74.40	74.40	71.42	65.83	60.01	57.32
ATF	34.05	33.15	34.73	38.09	41.52	39.53	41.28
Diesel	435.06	470.34	511.02	544.73	582.75	625.31	618.79
Fuel Oils	25.44	25.18	23.18	21.58	18.61	15.31	12.39
Others^	125.32	132.95	132.95	132.95	132.95	132.95	132.95
Total	**694.83**	**736.02**	**776.27**	**808.77**	**841.66**	**873.11**	**862.73**

Note: ^: Excludes Naphtha, Lube, Bitumen, Petroleum Coke, Paraf * Wax & Other Petroleum Product instead LPG, Gasoline, Refinery Gas and Refinery Fuel. *: Provisional

@ : Based on conversion factors adopted by FPC, 1974 (#) : Includes Petroleum Products used for power generation.

1.7 Oil and Gas Production Abroad

Sl. No.	Name of Project	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14*
1	2	3	4	5	6	7	8	9
Oil Production(MMT)								
1	GNOP, Sudan	2.981	2.443	2.126	1.801	1.324	0.596	0.741
2	MECL, Colombia	0.351	0.370	0.409	0.468	0.561	0.552	0.597
3	Sancristobal, Venezuela	0.000	0.671	0.704	0.757	0.894	0.800	0.767
4	IEC, Russia'	0.000	0.076	0.543	0.770	0.771	0.560	0.387
5	Sakhalin I, Russia	2.234	1.853	1.532	1.473	1.498	1.370	1.488
6	Block 5A, Sudan	0.294	0.285	0.247	0.226	0.174	0.000	0.034
7	GPOC, South Sudan	-	-	-	-	-	0.000	0.218
8	Vietnam 06.1	0.029	0.046	0.042	0.038	0.036	0.037	0.032
9	AFPC, Syria	0.951	0.812	0.694	0.647	0.496	0.124	0.000
10	BC-10, Brazil	-	-	0.192	0.573	0.450	0.291	0.318
11	Block 24,Syria	-	-	-	0.002	0.010	0.001	0.000
12	Carabobo-1,Venezuela	-	-	-	-	-	0.001	0.021
13	ACG,Azerbaijan	-	-	-	-	-	0.010	0.883
	Total-OIL	**6.840**	**6.556**	**6.489**	**6.753**	**6.204**	**4.341**	**5.486**
Gas Production(BCM)								
1	Sakhalin I, Russia	0.345	0.372	0.390	0.415	0.494	0.650	0.576
2	Vietnam 06.1	1.617	1.848	1.967	2.249	2.023	2.104	1.851
3	A1, A3, Myanmar							0.201
4	AFPC, Syria	0.000	0.000	0.024	0.015	0.007	0.002	0.000
5	BC-10, Brazil	-	-	-	-	0.015	0.012	0.013
6	IEC,Russia	-	-	-	-	-	0.071	0.036
7	MECL,Colombia	-	-	-	-	-	0.007	0.007
8	Sancristobal, Venezuela	-	-	-	-	-	0.072	0.087
9	Carabobo-1,Venezuela	-	-	-	-	-	-	0.001
10	ACG,Azerbaijan	-	-	-	-	-	0.001	0.099
	Total-GAS	1.962	2.220	2.381	2.679	2.524	2.919	2.871
	Total O & OEG	8.802	8.776	8.870	9.432	8.728	7.260	8.357

Notes: (i) For Calculating OEG, 1 BCM of Gas has been taken to be equal to 1 MMT of Crude Oil. *Provisional

(ii) Production of Oil in Syria during 2008-09 includes gas also.

Source: Oil & Natural Gas Corporation Videsh Limited.

Exploration-Crude Oil & Natural Gas

II.1 Area-wise Development of Deep Drilling Rigs, Wells & Metreage Drilled

Year	Onshore			Offshore			Total		
	Rigs (Nos.)	Wells (Nos.)	Metreage ('000')	Rigs (Nos.)	Wells (Nos.)	Metreage ('000')	Rigs (Nos.)	Wells (Nos.)	Metreage ('000')
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
				(A) Oil & Natural Gas Corporation Ltd.					
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
2010-11	88	308	659	36	73	225	124	381	884
2011-12	84	338	690	31	77	244	115	415	934
2012-13	81	321	677	40	110	347	121	431	1024
2013-14*	73	285	620	39	104	298	112	389	918
				(B) Oil India Limited					
2007-08	13	37	138	-	-	-	13	37	138
2008-09	16	57	114	-	-	-	16	57	114
2009-10	18	55	145	-	-	-	18	55	145
2010-11	20	44	121	-	-	-	20	44	121
2011-12	16	47	128	-	-	-	16	47	128
2012-13	17	40	132	-	-	-	17	40	132
2013-14*	15	34	105	-	-	-	15	34	105
				(C)Private/JVs					
2007-08	4	67	148	11	71	220	15	138	368
2008-09	4	92	183	3	32	97	7	124	280
2009-10	15	122	216	7	36	115	22	158	331
2010-11	15	158	264	7	34	88	22	192	352
2011-12	19	115	201	7	36	90	26	151	291
2012-13	13	74	146	10	33	124	23	107	270
2013-14*	34	210	340	20	49	161	54	259	501
				Total (A+B+C)					
2007-08	88	338	762	36	159	478	124	497	1240
2008-09	96	392	819	39	113	349	135	505	1168
2009-10	118	471	987	42	118	366	160	589	1353
2010-11	123	510	1044	43	107	313	166	617	1357
2011-12	119	500	1019	38	113	334	157	613	1353
2012-13	111	435	955	50	143	471	161	578	1426
2013-14*	122	529	1065	59	153	459	181	682	1524

Source: Oil & Natural Gas Corpn. Ltd. , Oil India Ltd & DGH

*: Provisional.

II.2 Exploratory & Development Drilling by Oil Companies

Year	Exploratory		Development		Total	
	Wells (Nos.)	Metreage ('000')	Wells (Nos.)	Metreage ('000')	Wells (Nos.)	Metreage ('000')
1	2	3	4	5	6	7
			(A) Onshore			
2005-06	141	366	157	340	298	706
2006-07	110	259	175	384	285	643
2007-08	133	339	205	423	338	762
2008-09	164	406	228	413	392	819
2009-10	164	402	307	585	471	987
2010-11	131	355	379	689	510	1044
2011-12	159	384	341	635	500	1019
2012-13	137	368	298	587	435	955
2013-14*	137	375	391	688	528	1063
			(B) Offshore			
2005-06	57	196	63	209	120	405
2006-07	61	195	69	219	130	414
2007-08	61	185	98	293	159	478
2008-09	46	127	67	222	113	349
2009-10	58	202	60	164	118	366
2010-11	65	213	42	100	107	313
2011-12	61	213	52	121	113	334
2012-13	60	231	83	240	143	471
2013-14*	70	240	84	220	154	461
			Total (A+B)			
2005-06	198	562	220	549	418	1111
2006-07	171	454	244	603	415	1057
2007-08	194	524	303	716	497	1240
2008-09	210	534	295	634	505	1168
2009-10	222	604	367	749	589	1353
2010-11	196	568	421	789	617	1357
2011-12	220	597	393	756	613	1353
2012-13	197	599	381	827	578	1426
2013-14*	207	615	475	908	682	1523

Note: Includes Water Disposal Well and Non-Associated Gas Well

*: Provisional

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

II.3 Status of Wells

(Figures in Numbers)

Company / Year #	Oil	Gas	Dry	Under Test	Injector	Others	Total
1	2	3	4	5	6	7	8
			(A) Oil India Ltd.				
2007	468	129	428	57	104	976	2162
2008	428	114	428	41	100	1089	2200
2009	438	103	432	65	102	1094	2234
2010	459	90	434	78	106	1097	2264
2011	469	102	440	76	105	1110	2302
2012	473	104	436	88	108	1098	2307
2013	473	121	440	96	106	1109	2345
2014*	422	116	441	98	105	1186	2368
			(B) Oil & Natural Gas Corporation Ltd.				
2007	5055	711	2680	161	936	757	10300
2008	5244	746	2720	185	962	765	10622
2009	5425	778	2781	203	976	783	10946
2010	5652	811	2858	203	1008	791	11323
2011	5877	852	2919	230	1022	804	11704
2012	6122	906	2985	242	1041	823	12119
2013	6410	938	3034	275	1050	843	12550
2014*	6667	973	3077	304	1054	864	12939
			(C) Private/JVs				
2011	6346	954	3359	306	1127	1914	14006
2012	6378	972	3396	312	1129	1970	14157
2013	6410	1000	3428	316	1129	1981	14264
2014*	6531	1022	3501	328	1147	1994	14523
			Total (A+B+C)				
2007	5523	840	3108	218	1040	1733	12462
2008	5672	860	3148	226	1062	1854	12822
2009	5863	881	3213	268	1078	1877	13180
2010	6111	901	3292	281	1114	1888	13587
2011	12692	1908	6718	612	2254	3828	28012
2012	12973	1982	6817	642	2278	3835	28583
2013	13293	2059	6902	687	2285	3933	29159
2014*	13620	2111	7019	730	2306	4044	29830

Note: *: Provisional. #: As on 1st April of each Year

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

II. 4 State-wise Geological Surveys Achievements upto 31.03.2014

States	*Geological Surveys*
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	31970
Kerala-Karnataka (incl. Goa)	4000
Madhya Pradesh	117920
Chhattisgarh	5920
Manipur	2781
Meghalaya	1911
Mizoram	6194
Nagaland	6971
Orissa	–
Rajasthan	46501
Sikkim	720
Tamil Nadu (Incl. Puducherry)	20003
Tripura	21263
Uttar Pradesh (incl. Uttarakhand)	29797
West Bengal	8808
Maharashtra	–
Eastern offshore	–
Western offshore	–
Total	491419

Source: Oil and Natural Gas Corporation Limited

II. 5 State-wise Achievements of Geophysical Field Parties in India since Inception upto 01.04.2014

Area/ State	Oil & Natural Gas Corporation Ltd.		Oil India Ltd.			Private/JVs	
	2D (LKM)	3D (SKM)	2D		3D (SKM)	2D (LKM)	3D (SKM)
			(LKM)	(GLKM)			
1	2	3	4	5	6	7	8
(A) Onshore							
Andhra Pradesh	39232	7012	N.A.	266	402	1432	1497
Arunachal Pradesh	N.A.	N.A.	N.A.	25726	7684	206	102
Assam	31141	4347	N.A.			3166	1232
Bihar	8490	947	N.A.	N.A.	N.A.	2423	947
Chhattisgarh	202	N.A.	N.A.	N.A.	N.A.	0	0
Gujarat	106665	11520	N.A.	8767	332	6365	6358
Himachal Pradesh	4250	N.A.	N.A.	N.A.	N.A.	447	0
Haryana	1038	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Jammu & Kashmir	2563	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Madhya Pradesh	10150	267	N.A.	N.A.	N.A.	2340	304
Maharashtra	N.A.	N.A.	N.A.	N.A.	183	476	0
Manipur	N.A.	N.A.	N.A.	N.A.	N.A.	210	0
Meghalaya	205	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Mizoram	218	N.A.	N.A.	1341	316	1526	446
Nagaland	602	6	N.A.	N.A.	N.A.	0	259
Orissa	313	N.A.	N.A.	4278	N.A.	470	0
Punjab	4078	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Rajasthan	23286	1492	N.A.	12973	4084	16201	14595
Tamil Nadu	42533	9066	N.A.	N.A.	N.A.	1710	2838
Tripura	6356	984	N.A.	N.A.	N.A.	276	0
Uttar Pradesh	29102	211	N.A.	6223	N.A.	2406	210
Uttaranchal	1522		N.A.	N.A.	N.A.	N.A.	N.A.
West Bengal	33635	4187	N.A.	N.A.	N.A.	4334	3590
Total(A)	**345580**	**40040**	N.A.	**59573**	**13001**	**43988**	**32379**
(B) Offshore							
Andaman	N.A.	N.A.	13842	N.A.	201	27061	18826
Saurashtra	N.A.	N.A.	8767	N.A.	332	N.A.	N.A.
Eastern offshore	252475	105887	N.A.	N.A.	N.A.	184662	170958
Western offshore	480006	96125	N.A.	N.A.	N.A.	81952	45721
Total(B)	732481	202012	22609	0	533	293675	235505
Total	1078061	242051	22609	59573	13534	337663	267884

Note: Geophysical fields of Pvt./JV"s in State Bihar includes Jharkhand and Uttar Pradesh is included in Uttarakhand

LK: Line Kilometre. SKM: Square Kilometre. GLK: Ground Line Kilometre.

N.A. : Not Applicable

II.6 Basin-wise / State-wise Achievements of Drilling since Inception upto 01.04.2014

Basin	State / Region	Wells Numbers	Metreage ('000')
1	*2*	*3*	*4*
(A) Onshore			
Cambay	Gujarat	7032	12153
Rajasthan	Rajasthan	362	753
Vindhyan	Rajasthan		
	Total WRBC	***7394***	***12907***
	Nagaland	36	163
Upper Assam	Assam	2947	13088
	Meghalaya	3	9
	Orissa	5	16
Fold Belt	Mizoram under ERBC	3	13
	Total ERBC	***2994***	***13288***
Assam-Arakan	Tripura	192	734
Foot hills &	West Bengal	34	173
Ganga Valley	Bihar	10	49
	Total CRBC	***236***	***955***
Himalayan Foot-hills,	Himachal Pradesh	15	73
Ganga Valley &	Punjab	4	20
Vindhyan/Gondwana	Uttar Pradesh	12	48
	Madhya Pradesh	15	61
	Jammu & Kashmir	4	16
	Total NRBC	***50***	***218***
Krishna-Godavari	Andhra Pradesh	593	2336
Cauvery	Tamil Nadu	660	2334
	Total SRBC	***1253***	***4670***
	Arunachal Pradesh#	67	216
	Others		
Total(A)		**11994**	**32254**
(B) Offshore			
East Coast(SW+DW)	East Coast including KG, Cauvery	377	1599
West Coast(SW+DW)	West Coast including drilling in	2654	9084
	Orissa, Andaman & Saurashtra	19	85
	Others	0	0
Total (B)		***3050***	***10768***
Total (A+B)		**15044**	43022

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

Note: For DGH Data is for 2012-2013 & 2013-14 Only

WRBC: Western Region Basin Coast, CRBC : Central Region Basin Coast, SRBC: Southern Region Basin Coast, NRBC: Northern Region Basin Coast, ERBC: Eastern Region Basin Coast

II.7 State-wise/ Basin -wise Oil Fields in India

As on 01.04.2014

(Figures in Number)

Company / State	Basin	Oil Fields	Gas Fields	Oil and Gas Fields	Total Fields
1	*2*	*3*	*4*	*5*	*6*
A. Oil & Natural Gas Corporation Ltd.		**119**	**140**	**115**	**374**
a) Onshore					
Gujarat	Cambay	50	6	36	92
Assam	Upper Assam	25	1	8	34
	A&AA	3	4	1	8
Rajasthan	Jodhpur	0	8	0	8
Andhra Pradesh	K.G. Basin	4	45	12	61
Tamil Nadu	Cauvery	10	7	14	31
Tripura	A&AA	0	11	0	11
Nagaland	A&AA	2	0	0	2
Mizoram		0	1	0	1
Madhya Pradesh	Vindhyan Basin	0	0	0	0
b) Offshore					
East Coast	Cauvery Offshore	0	1	0	1
	KG Offshore(Shallow)	3	16	1	20
	KG Offshore(Deep)	1	11	3	15
	Mahanadi	0	4	0	4
	Andaman	0	0	0	0
West Coast	Cambay	0	0	2	2
	Mumbai Offshore	20	19	37	76
	Kutch	1	6	1	8
B. Oil India Ltd.		**1**	**3**	**15**	**19**
Assam	Upper Assam	0	0	14	14
Arunachal Pradesh	Upper Assam	0	0	1	1
Rajasthan	Jaisalmer	0	3	0	3
	Bikaner Nagpur	1	0	0	1
C. Private/JVCs		**35**	**17**	**4**	**56**
a) Onshore					
Gujarat	Cambay	27	3	0	30
Arunachal Pradesh	Assam-Arakan	1	0	0	1
Assam	Assam-Arakan	0	1	0	1
Madhya Pradesh*	Sohagpur	0	2	0	2
Jharkhand*	Jharia	0	1	0	1
	Bokaro	0	1	0	1
Rajasthan	Rajasthan	5	2	0	7
West Bengal*	Raniganj	0	2	0	2
b) Offshore					
East Coast	Cauvery	1	1	0	2
	Krishna Godavari	1	2	1	4
West Coast	Mumbai	0	2	1	3
	Cambay	0	0	2	2
Grand Total		**155**	**160**	**134**	**449**

A&AA : Assam & Assam Arakan.

*: CBM Fields

Source: ONGC, OIL and DGH.

II. 8 State-wise/ Area-wise Balance Recoverable reserves of Crude Oil & Natural Gas

Area/State	Crude Oil(MMT)*						Natural Gas(BCM)*					
	2009	2010	2011	2012	2013	2014	2009	2010	2011	2012	2013	2014
Western Offshore	345.28	344.85	328.27	337.72	336.22	327.28	362.14	394.55	408.88	420.63	415.65	430.61
Eastern Offshore	22.50	26.52	26.18	24.12	30.43	56.09	425.44	420.44	438.03	462.03	473.51	531.54
Total Offshore	**367.77**	**371.37**	**354.45**	**361.84**	**366.65**	**383.37**	**787.58**	**814.99**	**846.91**	**882.66**	**889.16**	**962.16**
Arunachal Pradesh	3.65	3.49	3.39	3.41	3.37	2.95	1.12	1.10	2.21	2.14	1.96	0.72
Andhra Pradesh	4.21	3.94	5.22	5.59	7.42	11.45	39.55	41.24	40.58	42.30	48.21	48.20
Nagaland	2.69	2.69	2.69	2.69	2.69	2.69	0.12	0.12	0.12	0.12	0.12	0.12
Jharkhand (CBM)	-	-	-	-	-	-	0.00	0.00	51.14	51.13	28.91	28.91
West Bengal(CBM)	-	-	-	-	-	-	39.81	39.81	4.35	14.27	39.71	39.55
Madhya Pradesh(CBM)	-	-	-	-	-	-	0.00	0.00	32.14	32.14	32.14	32.13
Tamil Nadu	7.97	7.84	8.48	8.86	9.21	9.12	26.95	34.27	36.88	39.30	45.83	44.92
Tripura	0.08	0.08	0.08	0.07	0.07	0.07	32.50	32.78	33.09	36.04	36.92	41.28
Assam	167.32	168.10	170.33	172.54	172.11	173.08	97.71	95.20	139.64	139.82	142.77	142.19
Rajasthan**	84.68	80.48	75.33	68.87	60.19	45.00	12.71	12.47	12.04	12.13	11.50	14.02
Gujarat	134.97	136.67	137.43	135.72	136.73	135.01	77.22	76.57	78.96	78.19	77.53	72.96
Total Onshore	**405.57**	**403.29**	**402.95**	**397.75**	**391.79**	**379.36**	**327.68**	**333.56**	**431.15**	**447.58**	**465.60**	**464.99**
Grand Total (Onshore+Offshore)	**773.34**	**774.66**	**757.40**	**759.59**	**758.44**	**762.74**	**1115.26**	**1148.54**	**1278.06**	**1330.24**	**1354.76**	**1427.15**

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

** Rajasthan condensate reserves has been added in Oil Reserves in FY 2013-14

II. 9 Company-wise Balance Recoverable Reserves of Crude Oil & Natural Gas

Area/State	Crude Oil(MMT) *						Natural Gas(BCM)*					
	2009	2010	2011	2012	2013	2014	2009	2010	2011	2012	2013	2014
Onshore												
ONGC	233.43	233.78	235.77	235.03	237.38	234.56	206.01	215.60	221.36	228.45	241.68	240.80
OIL	82.65	79.14	81.79	84.04	84.03	86.04	63.41	59.97	104.47	104.51	107.27	109.18
DGH	89.49	90.37	85.39	78.68	70.38	58.77	58.26	57.99	105.33	114.62	116.65	115.01
Total Onshore	**405.57**	**403.29**	**402.95**	**397.75**	**391.79**	**379.36**	**327.68**	**333.56**	**431.15**	**447.58**	**465.60**	**464.99**
Offshore												
ONGC	336.09	329.64	316.85	327.98	332.93	332.75	363.26	395.90	438.02	458.77	478.53	523.19
DGH	31.69	41.73	37.60	33.86	33.72	50.62	424.32	419.09	408.89	423.89	410.63	438.97
Total Onshore	**367.78**	**371.37**	**354.45**	**361.84**	**366.65**	**383.37**	**787.58**	**814.99**	**846.91**	**882.66**	**889.16**	**962.16**
Grand Total (Onshore+Offshore)	**773.34**	**774.66**	**757.40**	**759.59**	**758.44**	**762.74**	**1115.26**	**1148.54**	**1278.06**	**1330.24**	**1354.76**	**1427.15**

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

II.10 Production of Crude Oil and Natural Gas

(Calendar Year-wise)

Item	2007	2008	2009	2010	2011	2012	2013*
1	2	3	4	5	6	7	8
1. Crude Oil Production ++ ('000' Tonnes)							
(a) Onshore:							
Gujarat	6168	6069	5878	5927	5855	5414	5230
Assam	4287	4686	4697	4661	5004	4948	4869
Arunachal Pradesh	105	96	127	122	117	118	116
Tamil Nadu	311	276	246	225	250	243	225
Andhra Pradesh	271	293	300	300	308	295	301
Rajasthan	-	-	226	3885	6289	8237	8549
Total (a)	**11142**	**11420**	**11475**	**15120**	**17824**	**19255**	**19291**
of which							
OIL	3028	3450	3525	3538	3825	3757	3644
ONGC	7929	7745	7442	7431	7476	7014	6860
JVC/Private	185	224	508	4151	6523	8484	8788
(b) Offshore:							
ONGC++	18117	18040	17226	17195	16473	15708	15639
JVC/Private	4812	4522	4528	4371	3943	3019	2880
Total (b)	**22929**	**22561**	**21753**	**21566**	**20416**	**18727**	**18519**
Grand Total (a+b)	**34071**	**33981**	**33228**	**36685**	**38240**	**37982**	**37810**
2. Natural Gas Production (MMSCM)							
(a) Onshore:							
Gujarat	2968	2679	2500	2293	2155	2120	1745
Assam	2581	2616	2653	2657	2865	2916	2896
Arunachal Pradesh	32	29	36	46	41	40	42
Tripura	530	556	553	596	636	633	716
Tamil Nadu	1165	1236	1203	1115	1247	1212	1283
Andhra Pradesh	1548	1555	1488	1409	1344	1298	1190
Rajasthan	253	227	230	380	567	655	879
West Bengal (CBM)**	9	13	36	37	75	103	145
Total (a)	**9085**	**8911**	**8699**	**8533**	**8929**	**8977**	**8896**
of which							
OIL	2323	2315	2370	2334	2595	2631	2650
ONGC	5839	5841	5651	17502	5639	5579	5282
JVC/Private	923	754	678	687	697	767	964
(b) Offshore:							
ONGC (Mumbai High)	16811	16491	17304	17502	17374	18170	18019
JVC/Private	6511	7658	15701	27293	22432	15594	9082
Total (b)	**23322**	**24150**	**33005**	**44796**	**39806**	**33764**	**27101**
Grand Total (a+b)	**32407**	**33060**	**41704**	**53328**	**48736**	**42742**	**35997**

Note: **++:** Includes condensates ****:** Includes Jharkhand and Madhya Pradesh CBM: Coal Bed Methane production

Source: ONGC, OIL and DGH.

*: Provisional

II.11 Production of Crude Oil and Natural Gas

(Financial Year-wise)

Item	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14*
1	2	3	4	5	6	7	8
1. Crude Oil Production ++ ('000' Tonnes)							
(a) Onshore:							
Gujarat	6177	5946	5960	5905	5780	5331	5061
Assam	4357	4674	4740	4721	5025	4863	4710
Arunachal Pradesh	102	102	131	116	118	121	111
Tamil Nadu	298	265	239	233	247	238	226
Andhra Pradesh	279	289	304	305	305	295	297
Rajasthan	-	-	447	5149	6553	8593	9180
Total (a)	**11213**	**11276**	**11821**	**16429**	**18027**	**19441**	**19585**
of which							
OIL	3100	3468	3572	3582	3847	3661	3466
ONGC	7921	7565	7515	7447	7386	6944	6705
JVC/Private	192	243	734	5400	6794	8836	9414
(b) Offshore:							
ONGC++	18020	17801	17340	16973	16330	15617	15541
JVC/Private	4885	4431	4529	4282	3733	2804	2663
Total (b)	**22905**	**22233**	**21869**	**21255**	**20063**	**18421**	**18203**
Grand Total (a+b)	**34118**	**33508**	**33690**	**37684**	**38090**	**37862**	**37788**
2. Natural Gas Production (MMSCM)							
(a) Onshore:							
Gujarat	2931	2605	2444	2262	2173	2032	1657
Assam	2598	2573	2703	2680	2905	2910	2868
Arunachal Pradesh	30	30	40	44	40	41	41
Tripura	534	553	564	610	644	647	822
Tamil Nadu	1169	1242	1178	1119	1285	1206	1304
Andhra Pradesh	1567	1524	1479	1384	1364	1249	1171
Rajasthan	255	216	239	432	590	685	982
West Bengal (CBM)**	15	20	38	41	84	107	166
Total (a)	**9099**	**8763**	**8685**	**8574**	**9084**	**8877**	**9012**
of which							
OIL	2340	2268	2416	2350	2633	2639	2626
ONGC	5877	5753	5634	5504	5751	5447	5316
JVC/Private	882	742	635	720	699	791	1069
(b) Offshore:							
ONGC (Mumbai High)	16457	16733	17462	17591	17565	18102	17968
JVC/Private	6861	7348	21350	26054	20910	13700	8428
Total (b)	**23318**	**24082**	**38811**	**43645**	**38475**	**31802**	**26395**
Grand Total (a+b)	**32417**	**32845**	**47496**	**52219**	**47559**	**40679**	**35407**

Note: "++: Includes condensates **: Includes Jharkhand and Madhya Pradesh **CBM:** Coal Bed Methane p
*: Provisional

Source: ONGC, OIL and DGH.

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

(Figures in MMSCM)

Period	Gross Production	Flaring	Net availability ^	Re-injected (Internal use)	Production #	% Flared to Gross Production
1	2	3	4	5	6	7
			Onshore			
Gujarat						
2007-08	2931	18	2913	560	2353	0.61
2008-09	2605	32	2573	589	1984	1.22
2009-10	2444	38	2406	614	1792	1.55
2010-11	2262	33	2229	622	1606	1.47
2011-12	2173	69	2104	606	1498	3.17
2012-13	2032	39	1993	571	1423	1.90
2013-14*	1657	72	1585	476	1109	4.37
Rajasthan						
2007-08	255	2	253	4	248	0.95
2008-09	216	2	214	4	210	0.88
2009-10	239	18	221	8	213	7.41
2010-11	432	49	384	200	183	11.26
2011-12	590	33	557	260	297	5.64
2012-13	685	52	634	361	273	7.55
2013-14*	982	39	943	469	474	3.95
Assam						
2007-08	2598	193	2405	530	1875	7.41
2008-09	2573	173	2400	540	1860	6.74
2009-10	2703	182	2521	557	1963	6.74
2010-11	2680	175	2505	546	1959	6.52
2011-12	2905	169	2736	584	2152	5.81
2012-13	2910	194	2716	577	2139	6.66
2013-14*	2868	173	2695	567	2128	6.02
Arunachal Pradesh						
2007-08	30	22	8	8	0	71.95
2008-09	30	21	9	9	0	69.51
2009-10	40	28	12	12	0	69.61
2010-11	44	31	14	14	0	68.88
2011-12	40	26	14	14	0	65.38
2012-13	41	27	14	14	0	65.54
2013-14*	41	23	19	19	0	55.23
Tripura						
2007-08	534	0	534	1	533	0.00
2008-09	553	0	553	1	552	0.00
2009-10	564	0	564	1	562	0.01
2010-11	610	0	610	2	608	0.02
2011-12	644	0	644	2	642	0.03
2012-13	647	0	647	3	644	0.01
2013-14*	822	6	816	3	813	0.77
Tamil Nadu						
2007-08	1169	17	1152	2	1150	1.45
2008-09	1242	10	1232	2	1230	0.81
2009-10	1178	15	1163	2	1161	1.26
2010-11	1119	13	1106	2	1104	1.18
2011-12	1285	8	1277	2	1275	0.64
2012-13	1206	7	1199	1	1198	0.57
2013-14*	1304	6	1298	1	1297	0.44

Cont..

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

(Figures in MMSCM)

Period	Gross Production	Flaring	Net availability ^	Re-injected (Internal use)	Production #	% Flared to Gross Production
1	2	3	4	5	6	7
Andhra Pradesh						
2007-08	1567	10	1557	7	1550	0.64
2008-09	1524	7	1517	6	1511	0.46
2009-10	1479	1	1478	10	1468	0.06
2010-11	1384	2	1383	10	1372	0.13
2011-12	1364	2	1362	19	1343	0.16
2012-13	1249	3	1246	28	1217	0.24
2013-14*	1171	4	1168	31	1137	0.31
West Bengal (CBM) **						
2007-08	15	14	1	0	1	93.33
2008-09	20	17	3	1	2	83.84
2009-10	38	30	8	3	6	78.13
2010-11	41	5	36	5	31	12.33
2011-12	84	11	73	10	63	13.31
2012-13	107	7	100	13	87	6.68
2013-14*	166	20	146	23	123	11.86
Total Onshore						
2007-08	9099	276	8823	1112	7711	3.03
2008-09	8763	262	8501	1153	7348	2.99
2009-10	8685	311	8374	1208	7166	3.58
2010-11	8574	308	8266	1402	6864	3.59
2011-12	9084	319	8765	1496	7270	3.51
2012-13	8877	328	8549	1568	6981	3.70
2013-14*	9012	342	8670	1588	7081	3.80
Offshore						
2007-08	23318	662	22656	3386	19270	2.84
2008-09	24082	837	23245	3527	19718	3.48
2009-10	38811	664	38148	4453	33695	1.71
2010-11	43645	663	42982	3809	39173	1.52
2011-12	38475	758	37716	3817	33899	1.97
2012-13	31802	574	31228	3861	27367	1.81
2013-14*	26395	427	25968	4065	21903	1.62
Grand Total						
2007-08	32417	938	31479	4499	26981	2.89
2008-09	32845	1099	31746	4680	27066	3.35
2009-10	47496	975	46521	5660	40861	2.05
2010-11	52219	970	51248	5210	46038	1.86
2011-12	47559	1077	46482	5313	41169	2.26
2012-13	40679	902	39777	5429	34348	2.22
2013-14*	35407	769	34638	5654	28984	2.17

*: Provisional. **: Including Madhya Pradesh & Jharkhand.

^: Denotes Natural gas available for consumption which is derived by deducting gas flared from gross production by producing companies

#: Denotes Natural gas available for Sale

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

II.13 State-wise Utilisation of Natural Gas in India

(Figures in Million Cubic Metres)

State / Area	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14*
1	2	3	4	5	6	7	8
Onshore							
Gujarat	2913	2573	2406	2229	2104	1994	1585
Rajasthan	253	214	221	384	557	634	943
Assam	2405	2400	2521	2505	2736	2716	2695
Arunachal Pradesh	8	9	12	14	14	14	19
Tripura	534	553	563	610	644	647	816
Tamil Nadu	1152	1232	1163	1106	1277	1199	1298
Andhra Pradesh	1557	1517	1478	1383	1362	1246	1168
West Bengal(CBM)	1	3	8	36	73	100	146
Total Onshore	**8823**	**8502**	**8373**	**8266**	**8765**	**8549**	**8670**
Offshore							
ONGC (Mumbai High)	15879	16023	16887	17035	16873	17573	17574
JVC/Private	6777	7222	21261	25947	20844	13655	8394
Total Offshore	**22656**	**23244**	**38147**	**42982**	**37716**	**31228**	**25968**
Grand Total^	**31479**	**31746**	**46520**	**51248**	**46482**	**39777**	**34638**

^: Denotes Natural gas available for consumption which is derived by deducting gas flared from gross production by producing companies

Note: Excludes imported LNG

II.14 Industry-wise Offtake of Natural Gas in India

(Figures in Million Cubic Metre)

INDUSTRY	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
1	2	3	4	5	6	7	8
ENERGY PURPOSES:							
Power Generation	12037	12603	21365	25787	20765	14478	10534
Industrial Fuel	3323	5912	2322	903	1694	1059	1077
Tea Plantation	160	154	167	193	175	182	196
Domestic Fuel/Transport^	38	102	246	2524	3192	2752	2921
Captive use/LPG Shrinkage	1804	1885	5433	6781	6366	6194	4742
Others **	1324	1535	1838	765	1851	683	713
Total	**18686**	**22191**	**31371**	**36953**	**34044**	**25348**	**20183**
NON-ENERGY PURPOSES:							
Fertilizer Industry	9823	9082	13168	11464	11330	11496	11060
Petro-Chemicals	1432	1105	1264	1309	1409	1074	1395
Others***	638	611	703	1529	226	1303	1326
Total	**11893**	**10798**	**15135**	**14302**	**12964**	**13874**	**13782**
Grand Total	**30579**	**32989**	**46506**	**51255**	**47008**	**39222**	**33965**

Note: Excludes total off-take imported LNG.

^: Includes total off-take by CGD entities for Domestic (PNG), Transport (CNG and industrial & commercial sector. **: Includes Sponge iron use. ***: includes refineries , Heavy Water plants. *Provisional.

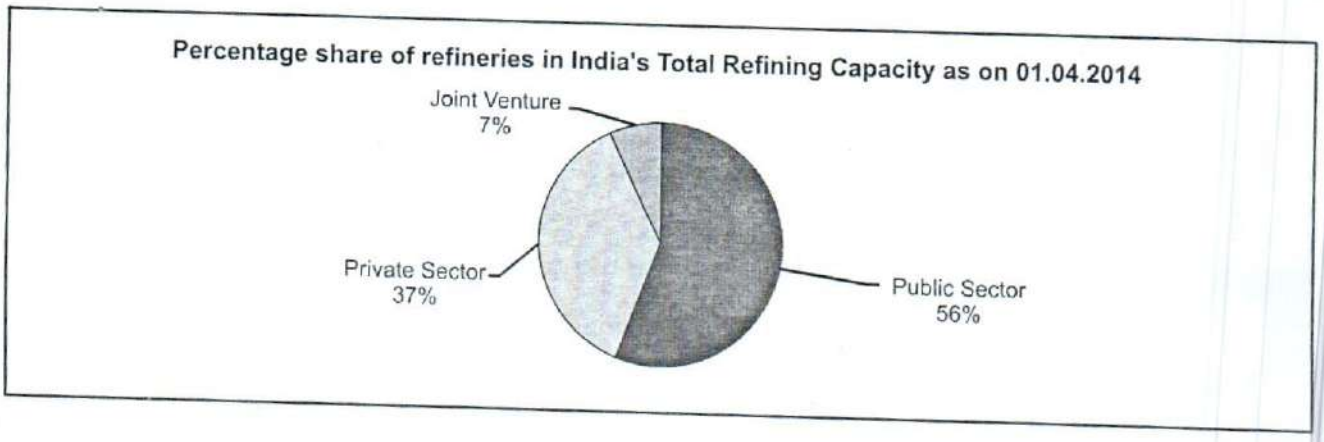
Source: ONGC, OIL, DGH and GAIL.

Refining, Transportation & Marketing

III.1 Petroleum Refining Capacity in India

(Figures in MMTPA)

Sl. No.	Refinery	Year of Commissioning	01.04.2009	01.04.2010	01.04.2011	01.04.2012	01.04.2013	01.04.2014
1	2	3	4	5	6	7	8	9
A	**Public Sector**		**105.456**	**112.886**	**116.886**	**120.066**	**120.066**	**120.066**
I.	**IOCL Refineries**		**49.700**	**51.200**	**54.200**	**54.200**	**54.200**	**54.200**
	IOC, Digboi	1901	0.650	0.650	0.650	0.650	0.650	0.650
	IOC, Guwahati	1962	1.000	1.000	1.000	1.000	1.000	1.000
	IOC, Barauni	1964	6.000	6.000	6.000	6.000	6.000	6.000
	IOC, Koyali	1965	13.700	13.700	13.700	13.700	13.700	13.700
	IOC, Haldia	1974	6.000	7.500	7.500	7.500	7.500	7.500
	IOC, Mathura	1982	8.000	8.000	8.000	8.000	8.000	8.000
	IOC, Panipat	1998	12.000	12.000	15.000	15.000	15.000	15.000
	IOC, Bongaigaon	1979	2.350	2.350	2.350	2.350	2.350	2.350
II.	**BPCL Refineries**		**19.500**	**21.500**	**21.500**	**21.500**	**21.500**	**21.500**
	BPCL, Mumbai	1955	12.000	12.000	12.000	12.000	12.000	12.000
	BPCL, Kochi	1966	7.500	9.500	9.500	9.500	9.500	9.500
III.	**HPCL Refineries**		**13.000**	**13.800**	**14.800**	**14.800**	**14.800**	**14.800**
	HPCL, Mumbai	1954	5.500	5.500	6.500	6.500	6.500	6.500
	HPCL, Visakh	1957	7.500	8.300	8.300	8.300	8.300	8.300
IV.	**CPCL Refineries**		**10.500**	**11.500**	**11.500**	**11.500**	**11.500**	**11.500**
	CPCL, Manali	1969	9.500	10.500	10.500	10.500	10.500	10.500
	CPCL, Nagapattinam	1993	1.000	1.000	1.000	1.000	1.000	1.000
V.	**NRL, Numaligarh**	**1999**	**3.000**	**3.000**	**3.000**	**3.000**	**3.000**	**3.000**
VI.	**ONGC, Tatipaka**	**2002**	**0.066**	**0.066**	**0.066**	**0.066**	**0.066**	**0.066**
VII.	**MRPL, Mangalore**	**1996**	**9.690**	**11.820**	**11.820**	**15.000**	**15.000**	**15.000**
B	**Private Sector**		**70.500**	**70.500**	**70.500**	**78.000**	**80.000**	**80.000**
I.	**RPL Refineries**		**60.000**	**60.000**	**60.000**	**60.000**	**60.000**	**60.000**
	RIL, Jamnagar	1999	33.000	33.000	33.000	33.000	33.000	33.000
	RIL(SEZ), Jamnagar	2008	27.000	27.000	27.000	27.000	27.000	27.000
II	Essar Oil Ltd., Vadinar	2006	10.500	10.500	10.500	18.000	20.000	20.000
C	**Joint Venture**		**-**	**-**	**-**	**15.000**	**15.000**	**15.000**
I.	BPCL, BORL-Bina^	May,2011	-	-	-	6.000	6.000	6.000
II.	HMEL,Bathinda*	April,2012	-	-	-	9.000	9.000	9.000
	Total (A+B+C)		**175.956**	**183.386**	**187.386**	**213.066**	**215.066**	**215.066**



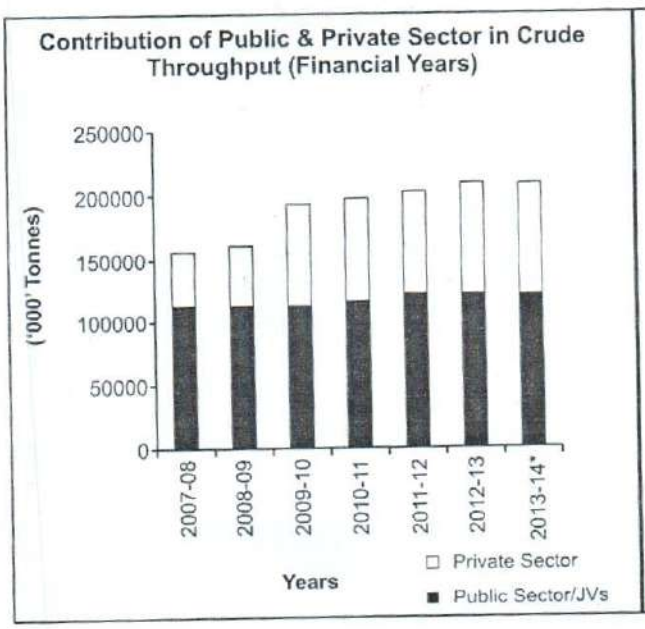
III.2 Refinery Crude Throughput and Production of Petroleum Products

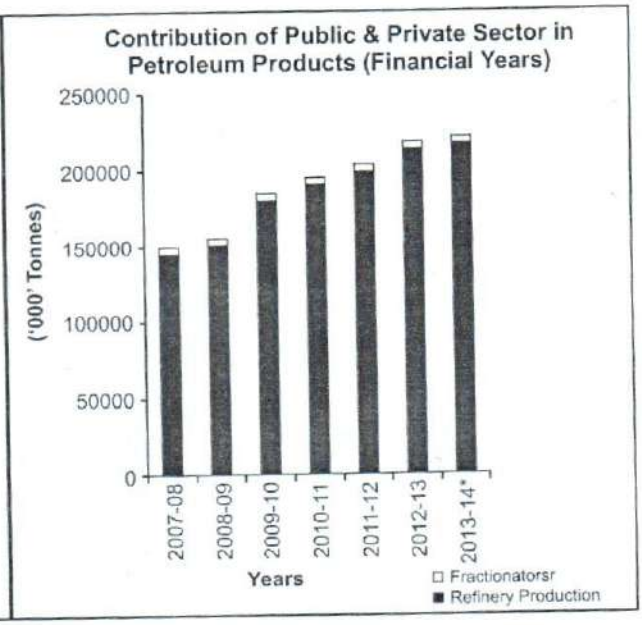
(Figures in TMT)

Year	Crude Throughput				Production of Petroleum Products					
	Refinery			Total	Refinery				Fractionators	Grand Total
	PSUs	PVTs	JVs		PSUs	PVTs	JVs	Total		
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*
					(Calendar Years)					
2007	112179	42516	-	154695	103701	39699	-	143400	2370	145770
2008	112120	48327	-	160447	103748	46501	-	150249	3816	154065
2009	112365	78218	-	190583	104026	75343	-	179369	4767	184136
2010	112829	83407	-	196236	103981	84080	-	188060	4558	192618
2011	121030	81387	1242	203660	112609	84360	980	197949	4644	202594
2012	119763	87363	8035	215160	111558	90034	7191	208783	4566	213349
2013*	119749	88097	14472	222318	114144	85588	16878	216610	4396	221006
					(Financial Years)					
2007-08	112541	43562	-	156103	104008	40922	-	144930	4542	149472
2008-09	112222	48550	-	160772	103933	46583	-	150516	4632	155148
2009-10	112116	80652	-	192768	103641	76127	-	179768	4840	184608
2010-11	115311	81678	-	196989	106428	83888	-	190316	4504	194821
2011-12	120895	81179	2048	204121	102518	94328	1716	198561	4640	203202
2012-13	120303	88273	10636	219212	112329	91197	9692	213219	4518	217736
2013-14*	119547	88229	14721	222497	112738	90101	13617	216456	4300	220756

Note: Crude throughput in terms of Crude oil Processed

*: Provisional





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

(Figures in TMT)

Refinery	Crude Throughput							Production of Petroleum Products						
	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14*	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*	*14*	*15*
(a) PUBLIC SECTOR	**112541**	**112223**	**112116**	**115311**	**120895**	**120303**	**119547**	**104009**	**103933**	**103641**	**106429**	**112518**	**112329**	**112738**
IOCL, Digboi	564	623	600	651	622	660	651	537	605	578	633	602	652	650
IOCL, Guwahati	920	1076	1078	1118	1058	956	1019	789	914	952	997	927	881	1078
IOCl, Barauni	5634	5940	6184	6207	5730	6344	6478	5083	5362	5651	5654	5210	5732	5948
IOCL, Koyali	13714	13852	13206	13561	14253	13155	12960	12886	13059	12472	12687	13437	12480	12300
IOC, Haldia	5715	6042	5686	6878	8072	7490	7952	5199	5531	5053	6242	7283	6793	7233
IOCl, Mathura	8033	8601	8107	8880	8202	8561	6641	7616	8164	7672	8561	7926	8281	6370
IOCL, Panipat	12821	13070	13615	13660	15496	15126	15098	11272	11680	11959	12026	14029	14112	14795
IOCL,Bongaigoan, Assam	2020	2163	2220	2008	2188	2356	2328	1888	2022	2100	1841	1969	2116	2121
BPCL, Mumbai	12746	12262	12516	13020	13355	13077	12684	11884	11437	11810	12406	12726	12458	12365
BPCL, Kochi	8134	7739	7875	8699	9472	10105	10285	7687	7192	7389	8138	8796	9385	9674
HPCL, Mumbai	7409	6652	6965	6638	7506	7748	7785	6908	6210	6594	5987	7225	7388	7213
HPCL, Vishakhapatnam	9409	9155	8796	8200	8682	8028	7776	8896	8654	8117	7626	8017	7452	7246
CPCL(MRL), Manali	9802	9718	9580	10104	9953	9105	10065	8869	8853	8718	9098	8998	8140	9169
CPCL(MRL), Narimanam	464	418	517	703	611	640	559	449	398	503	696	602	635	558
NRL, Numaligarh	2568	2251	2619	2252	2825	2478	2613	2278	1992	2336	1996	2750	2373	2557
MRPL, Mangalore	12525	12577	12498	12662	12798	14415	14589	11706	11778	11683	11773	11952	13394	13397
ONGC, Tatipaka	63	84	55	69	69	57	65	62	82	54	68	68	56	64
(b) PRIVATE SECTOR	**43562**	**48549**	**80652**	**81678**	**81179**	**88273**	**88229**	**40921**	**46583**	**76127**	**83887**	**84328**	**91197**	**90101**
RPL, Jamnagar	36931	35636	34415	31198	32497	32613	30307	34307	33010	31768	31514	33114	32755	30815
RPL,SEZ	-	-	32735	35607	35186	35892	37720	-	-	30113	37871	38541	39399	39799
EOL, Vadinar	6631	12913	13502	14873	13496	19769	20202	6614	13573	14246	14502	12673	19043	19487
(c) JOINT VENTURE	**-**	**-**	**-**	**-**	**2048**	**10636**	**14721**	**-**	**-**	**-**	**-**	**1716**	**9692**	**13617**
BORL,Bina	-	-	-	-	2048	5732	5450	-	-	-	-	1716	5209	4994
HMEL,Bathinda	-	-	-	-	-	4904	9271	-	-	-	-	-	4483	8623
(d) Fractionators	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**4542**	**4632**	**4842**	**4504**	**4640**	**4518**	**4300**
Grand Total	**156103**	**160772**	**192768**	**196989**	**204121**	**219212**	**222497**	**149472**	**155148**	**184610**	**194821**	**203202**	**217736**	**220756**

Note: 1. Excludes other Inputs from RIL Refineries Crude throughput *: Provisional

2. Includes Production from Fractionators (ONGC,OIL & GAIL)

III.3(b) Refinery-wise Production of Petroleum Products during 2013-14*

(Figures in TMT)

Refinery	LPG	Motor Spirit	Naphtha	ATF	SKO	HSDO	LDO	Furnace Oil	LSHS	Bitumen	Lube Oil	Petroleum Coke	Waxes	Total Production	Fuel & Losses	Crude Throughput
1	*2*	*3*	*4*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*	*14*	*15*	*16*	*17*	*18*
(a) PUBLIC SECTOR	**4509**	**13806**	**8705**	**6810**	**6167**	**50549**	**423**	**10651**	**485**	**4521**	**941**	**2074**	**56**	**112738**	**9868**	**119547**
IOC, Digboi	8	104	-1	0	24	334	25	84	0	0	0	35	33	650	65	651
IOC, Guwahati	45	123	31	47	59	705	5	0	0	0	0	61	0	1078	118	1019
IOC, Barauni	317	1191	125	0	820	3249	0	67	0	-1	0	124	0	5948	582	6478
IOC, Koyali	489	1587	721	347	806	6023	29	827	-16	557	0	681	0	12300	1257	12960
IOC, Haldia	238	460	578	365	889	2802	0	1082	0	567	175	0	0	7233	734	7952
IOC, Mathura	210	617	503	418	355	2354	0	1188	0	554	0	0	0	6370	594	6641
IOC, Panipat	735	1514	1351	1334	892	6650	0	226	14	385	0	978	0	14795	1506	15098
IOCL,Bongaigoan, Assam	48	174	134	0	174	1344	116	-1	0	0	0	128	0	2121	226	2328
BPCL, Mumbai	416	1437	1511	760	271	5577	45	1130	72	567	239	0	0	12365	810	12684
BPCL, Kochi	514	1529	666	466	185	4833	17	782	119	278	0	0	0	9674	648	10285
HPCL, Mumbai	378	1329	383	501	273	2219	84	805	4	612	386	0	0	7213	534	7785
HPCL, Vishakhapatnam	423	1348	331	40	616	3007	102	826	162	340	0	0	0	7246	588	7776
CPCL(MRL), Manali	349	997	640	673	315	4008	0	1355	0	481	141	0	23	9169	906	10065
CPCL(MRL), Narimanam	18	0	213	0	52	202	0	0	74	0	0	0	0	558	10	559
NRL, Numaligarh	53	309	161	73	172	1719	0	0	0	0	0	67	0	2557	139	2613
MRPL, Mangalore	267	1086	1350	1787	261	5502	0	2281	28	180	0	0	0	13397	1150	14589
ONGC, Tatipaka	0	0	10	0	6	20	0	0	28	0	0	0	0	64	1	65
(b) PRIVATE SECTOR	**2455**	**14360**	**7808**	**3992**	**375**	**36560**	**0**	**2270**	**0**	**265**	**0**	**8760**	**0**	**90101**	**6938**	**88229**
RPL, Jamnagar	658	2917	5112	2423	0	10195	0	1148	0	0	0	2799	0	30815	2582	30307
RPL,SEZ	997	8329	1898	1552	0	16782	0	718	0	0	0	3849	0	39799	3329	37720
EOL, Vadinar	800	3114	798	17	375	9583	0	404	0	265	0	2112	0	19487	1028	20202
(c) JOINT VENTURE	**926**	**2109**	**525**	**408**	**796**	**6633**	**0**	**0**	**0**	**0**	**0**	**1234**	**0**	**13617**	**1061**	**14721**
BORL,Bina	159	876	99	297	502	2542	0	0	0	0	0	438	0	4994	468	5450
HMEL,Bathinda	767	1233	425	111	294	4091	0	0	0	0	0	795	0	8623	593	9271
(d) Fractionators	**2140**	**-**	**1468**	**10**	**80**	**16**	**0**	**-**	**-**	**-**	**-**	**-**	**-**	**4300**	**-**	**-**
Gail	**1027**	-	**120**	-	-	-	-	-	-	-	-	-	-	1302	-	-
ONGC (Hazira, Uran & Ank-war)	**1067**	-	**1348**	**10**	**80**	**16**	0	-	-	-	-	-	-	2951	-	-
OIL	**47**	-	-	-	-	-	-	-	-	-	-	-	-	47	-	
Grand Total	**10030**	**30275**	**18505**	**11220**	**7418**	**93759**	**423**	**12920**	**485**	**4785**	**941**	**12068**	**56**	**220756**	**17868**	**222497**

*Provisional

III.4(a) Production of Petroleum Products
(Calendar Year-wise)

(Figures in '000' Tonne)

PRODUCTS	Production							% Variation During 2013 Over	
	2007	2008	2009	2010	2011	2012	2013*	2012	2011
1	2	3	4	5	6	7	8	9	10
Production of Petroleum Products by Refineries									
LPG	6578	7072	8189	7460	7509	7561	7705	1.9	2.6
Motor Spirit	13634	16002	21718	25881	26845	29549	30263	2.4	12.7
Naphtha	16714	15063	16992	17711	17237	16950	17251	1.8	0.1
Kerosene	8022	7902	8554	7927	7747	8010	7382	-7.8	-4.7
ATF	9104	8440	9160	9195	10579	9525	11199	17.6	5.9
HSD	57311	62293	72972	76709	82238	89267	93003	4.2	13.1
LDO	704	659	521	528	537	428	427	-0.1	-20.3
Furnace Oil	12519	14428	15350	18294	17324	14266	13156	-7.8	-24.1
LSHS/HHS/RFO	3244	3090	2681	1872	1744	1566	631	-59.7	-63.8
Total Fuel Oils	15763	17518	18031	20167	19067	15832	13787	-12.9	-27.7
Lube Oils	865	908	911	859	1016	954	915	-4.0	-10.0
Bitumen	4358	4577	4938	4510	4629	4555	4876	7.1	5.3
Petroleum Coke	4092	4252	4043	2657	6706	9990	11892	19.0	77.3
Paraffin Wax	63	70	63	63	50	54	52	-4.2	5.0
Other Waxes	4	2	4	4	7	5	3	-35.8	-50.2
Total Waxes	67	72	67	67	56	59	60	1.7	7.7
Others	14296	12830	21862	24105	21292	23664	25560	8.0	20.0
Total (A)	**144930**	**150516**	**179769**	**190316**	**197949**	**208783**	**216610**	**3.7**	**9.4**
Production of Petroleum Products by Fractionators									
LPG	2060	2162	2243	2168	2208	2149	2148	0.0	-2.7
Naphtha	69	1244	1667	1654	1690	1698	1528	-10.0	-9.6
Kerosene	N.A.	111	154	129	67	105	79	-24.2	17.8
ATF/RTF/Jet A-1	N.A.	16	11	17	14	14	9	-36.2	-38.8
HSD	N.A.	11	18	18	16	16	19	20.0	18.4
Others	241	271	674	572	648	585	613	4.6	-5.5
Total (B)	2370	3816	**4767**	**4558**	**4644**	**4566**	**4396**	**-3.7**	**-5.4**
Grand Total (A+B)	**147300**	**154332**	**184536**	**194874**	**202594**	**213349**	**221006**	**3.6**	**9.1**

Note: Figures of Petroleum Products by Fractionators (ONGC) has not available in calendar-year/month wise till March,2008. *: Provisional

III. 4 (b) Production of Petroleum Products
(Financial Year-wise)

(Figures in '000' Tonne)

Products	Production							% Variation	
	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14*	During 2013-14 Over 2012-13	During 2013-14 Over 2011-12
1	2	3	4	5	6	7	8	9	10
Production of Petroleum Products by Refineries									
LPG	6732	6996	8091	7541	7333	7694	7890	2.5	7.6
Mogas	14167	16020	22537	26138	27186	30118	30275	0.5	11.4
Naphtha	16440	14826	17107	17535	17135	17354	17038	-1.8	-0.6
Kerosene	7794	8223	8545	7702	7789	7868	7338	-6.7	-5.8
ATF/RTF/Jet A-1	9107	8071	9296	9570	10051	10077	11210	11.2	11.5
HSD	58361	62889	73281	78040	82864	91085	93742	2.9	13.1
LDO	671	606	472	590	502	400	423	5.8	-15.8
Furnace Oil	12638	14749	15828	18659	16732	13690	12920	-5.6	-22.8
LSHS/HHS/RFO	3166	2935	2518	1860	1701	1364	485	-64.5	-71.5
Fuel Oil	15804	17684	18346	20519	18433	15054	13405	-11.0	-27.3
Lube Oils	881	874	950	884	1028	896	941	5.0	-8.4
Bitumen	4507	4713	4889	4478	4610	4670	4785	2.5	3.8
Petroleum Coke	4129	4241	3709	2711	7837	10943	12068	10.3	54.0
Paraffin Wax	64	69	64	61	47	52	55	5.3	16.8
Others Waxes	7	5	3	6	7	5	1	-79.5	-86.8
Total Wax	71	74	67	67	54	57	56	-1.4	3.4
Others	6266	5299	12478	14542	13740	17003	17284	1.7	25.8
Total (A)	**144930**	**150516**	**179768**	**190316**	**198561**	**213219**	**216456**	**1.5**	**9.0**
Production of Petroleum Products by Fractionators									
LPG	2060	2162	2243	2168	2214	2130	2140	0.5	-3.3
Naphtha	1524	1626	1682	1660	1690	1664	1468	-11.8	-13.2
Kerosene	176	168	158	107	72	103	80	-22.6	11.4
ATF/RTF/Jet A-1	0	0	8	19	14	11	10	-15.8	-31.8
HSD	15	16	17	17	16	18	16	-9.9	1.0
Others HE	767	660	734	533	635	591	587	-0.7	-7.6
Total (B)	**4542**	**4632**	**4842**	**4504**	**4640**	**4518**	**4300**	**-4.8**	**-7.3**
Grand Total (A+B)	**149472**	**155148**	**184610**	**194821**	**203202**	**217736**	**220756**	**1.4**	**8.6**

*: Provisional

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

Type of pipeline / Owner	Length (in Kms.) as on 31st March							
	2007	2008	2009	2010	2011	2012	2013	2014
Crude Pipelines (Onshore)								
ONGC	566	566	569	647	790	835	695	695
OIL	1193	1193	1193	1193	1193	1193	1193	1193
IOC	3984	3984	4332	4332	4332	4342	4448	4448
BORL (JV with BPCL)						937	937	937
HMEL (JV with HPCL)						1017	1017	1017
Pvt/JVs (Cairns) @	21	47	47	590	590	590	590	590
Subtotal	**5764**	**5790**	**6141**	**6762**	**6905**	**8914**	**8880**	**8880**
Crude Pipelines (Offshore)								
ONGC	488	488	488	488	488	488	488	488
Pvt/JVs @	200	200	200	205	205	205	205	205
Subtotal	**688**	**688**	**688**	**693**	**693**	**693**	**693**	**693**
Total Crude Oil Pipelines	**6451**	**6477**	**6829**	**7455**	**7598**	**9607**	**9573**	**9573**
Gas Pipelines (Onshore)								
ONGC							53	53
IOC					132	132	134	134
GAIL	6197	7001	7190	7803	8197	9454	10702	10909
GSPL			N.A.				2163	2174
EOL					15	15	73	77
RIL			1375	1375	1375	1375	1375	1375
AGC				N.A.				1000
Pvt/JVs @	35	41	41	729	729	775	775	782
Subtotal	**6232**	**7042**	**8606**	**9907**	**10448**	**11751**	**15275**	**16504**
Gas Pipelines (Offshore)								
ONGC	963	963	963	963	963	963	987	987
Pvt/JVs @	137	259	411	504	504	504	504	529
Subtotal	**1100**	**1222**	**1374**	**1467**	**1467**	**1467**	**1491**	**1516**
Total Gas Pipelines	**7332**	**8264**	**9980**	**11374**	**11915**	**13218**	**16766**	**18020**
Product Pipelines (Onshore)#								
IOC	5286	5286	5963	6175	6401	6401	6358	6358
BPCL	1389	1389	1389	1389	1389	1648	1648	1697
HPCL	2134	2134	2134	2134	2134	2164	2446	2446
OIL			654	654	654	654	654	654
PCCK	293	293	293	293	293	293	293	293
PHMB	364	364	364	364	364	364	364	364
GAIL	1927	1927	1964	1978	1978	2038	2038	2038
Subtotal #	**11393**	**11393**	**12761**	**12987**	**13213**	**13562**	**13801**	**13850**
Product Pipelines (Offshore)								
Total Product Pipeline	**11393**	**11393**	**12761**	**12987**	**13213**	**13562**	**13801**	**13850**
Grand Total	**25176**	**26134**	**29570**	**31816**	**32726**	**36387**	**40139**	**41442**

#: Total Product Pipeline includes 2312 KMs LPG Pipeline which 2038 Gail LPG Pipeline & 274KMs IOCL LPG Pipeline.

"@: Reported by DGH, Crude Pipeline (Onshore) 590 KMs Mainline + approx. 79 KMs spur line etc. & Crude Pipeline (offshore)73 KMs mainline + 132 kms others and Gas Pipeline (onshore) 775 KMs others & 348 KMs mainline + 156 KMs others.

Notes:1. MHN-NGM Trunk Line-Old is out of service since July,2012

2.: RIL's Gas Pipeline (Onshore) comprises 1375 KMs Trunk line + approx. 105 KMs spur line.

3.Nagapattinam Narimanam pipeline removed from pipeline list from 13-14 since it is a dock line and not a cross-country pipeline

III.5(b) Major Crude Oil Pipelines in India

Type of Pipeline / Owner/Name of Pipeline	Capacity (MMTPA) (As on 1st April)		Length (KM) (As on 1st April)		Throughput (TMT)*	
	2013	2014	2013	2014	2012-13	2013-14
1	2	3	4	5	6	7
Crude Pipelines (Onshore)						
IOCL	**40.40**	**40.40**	**4448.00**	**4448.00**	**47401.00**	**45857.00**
Salaya Mathura Pipeline	21.00	21.00	1870.00	1870.00	23382.00	20627.00
Mundra Panipat Pipeline	8.40	8.40	1194.00	1194.00	8837.00	8726.00
Paradip Haldia Barauni Pipeline	11.00	11.00	1384.00	1384.00	15182.00	16504.00
ONGC	**23.39**	**23.39**	**694.74**	**694.74**	**13104.00**	**11584.00**
MHN - NGM Trunk Line - Old **						
MHN - NGM Trunk Line - New	2.27	2.27	77.00	77.00	2255.00	2266.00
Kalol - Nawagam (Old) ##						
Kalol - Nawagam (New)	3.14	3.14	62.50	62.50	1120.00	1020.00
Nawagaon - Koyali 18"	5.40	5.40	78.40	78.40	3130.00	2270.00
Nawagaon - Koyali 14"	3.30	3.30	78.40	78.40	610.00	1390.00
CTF, Ank - Koyali Oil Pipeline	2.00	2.00	97.80	97.80	1358.00	1387.00
CTF, Ank to CPF Gandhar 8"	0.39	0.39	44.30	44.30	398.00	398.00
CPF Gandhar to Saraswani T point	1.81	1.81	56.70	56.70	960.00	1145.00
Akholjuni to Koyali	0.48	0.48	65.07	65.07	1708.00	130.00
Lakwa - Moran Oil line	1.50	1.50	17.50	17.50	401.00	410.00
Geleki - Jorhat Oil Line	1.50	1.50	48.50	48.50	618.00	641.00
Borholla - Jorhat	0.60	0.60	42.80	42.80	194.00	187.00
KSP - WGGS to TPK Refinery	0.08	0.08	13.50	13.50	***	***
GMAA EPT to S. Yamam Unloading terminal (1st line)	0.09	0.09	3.50	3.50	113.00	-
GMAA EPT to S. Yamam Unloading terminal (new line)	0.09	0.09	3.50	3.50		118.00
NRM to CPCL	0.74	0.74	5.27	5.27	239.00	222.00
OIL	**8.40**	**8.40**	**1193.00**	**1193.00**	**7051.00**	**7977.34**
Duliajan - Digboi- Barauni - Bongaigaon Pipeline	8.40	8.40	1193.00	1193.00	7051.00	7977.34
JV	**15.00**	**15.00**	**1954.00**	**1954.00**	**10581.00**	**15190.60**
HMEL (JV with HPCL) (Mundra - Bhatinda Pipeline)	9.00	9.00	1017.00	1017.00	4928.00	9680.00
BORL (JV with BPCL) (Vadinar - Bina Pipeline)	6.00	6.00	937.00	937.00	5653.00	5510.60
Cairns	**8.50**	**8.50**	**590.00**	**590.00**	**9163.00**	**9163.00**
Barmar-Salaya/MDPP	8.50	8.50	590.00	590.00	9163.00	9163.00
Total Onshore Crude Pipeline	**95.69**	**95.69**	**8879.74**	**8879.74**	**87300.00**	**89771.94**
Crude Pipelines (Offshore)						
ONGC	**33.51**	**33.51**	**488.00**	**488.00**	**12642.00**	**12915.00**
Mumbai High - Uran Pipeline	15.63	15.63	204.00	204.00	9440.00	9922.00
Heera Uran Pipeline	11.50	11.50	81.00	81.00	3145.00	2993.00
30" BUT (Oil)	6.38	6.38	203.00	203.00	57.00	0.00
Total Offshore Crude Pipeline	**33.51**	**33.51**	**488.00**	**488.00**	**12642.00**	**12915.00**
Total Crude Pipeline	**129.20**	**129.20**	**9367.74**	**9367.74**	**99942.00**	**102686.94**

Note: Excludes 205 KMs Pipeline of PVT/JVs reported by DGH. *:Provisional **Out of Service since July, 2012

***: KSP-WGGS to TPK Refinery Pipeline is being used for gas transfer as the GAIL line has burst. #: GMAA EPT to S.Yamam Unloading Terminal is under repair for leakage rectification. ##: 50.90 KMs Pipeline stand by since August,2010

III.5(c) Major Gas Pipelines in India

Type of Pipeline / Owner/Name of Pipeline	Capacity (MMSCMD) (As on 1st April)		Length (KM) (As on 1st April)		Throughput (MMSCMD)*	
	2013	2014	2013	2014	2012-13	2013-14
1	*2*	*3*	*4*	*5*	*6*	*7*
GAS PIPELINES (Onshore)						
IOCL	**9.50**	**9.50**	**134.00**	**134.00**	**960.00**	**1168.00**
Dadri Panipat R LNG Pipeline	9.50	9.50	134.00	134.00	960.00	1168.00
ONGC	**2.65**	**2.65**	**52.70**	**52.70**	**0.09**	**0.59**
20" Agartala Dome - OTPC Palatana	2.65	2.65	52.70	52.70	0.09	0.59
GAIL	**210.34**	**206.04**	**10702.00**	**10909.00**	**104.90**	**96.22**
HVJ-GREP-DVPL ^	57.30	53.00	4435.00	4586.00	47.45	42.92
DVPL-GREP Upgradation (DVPL-II & VDPL)	54.00	54.00	1112.00	1112.00	12.63	15.33
Chhainsa-Jhajjar-Hissar P/L	5.00	5.00	262.00	262.00	0.72	0.68
Dadri Bawana Nangal	11.00	11.00	788.00	803.00	1.43	2.40
Dahej-Panvel-Dhabol	19.90	19.90	873.00	873.00	13.64	8.92
KKBMPL Phase 1	6.00	6.00	0.00	41.00	0.00	0.31
Dhabol Bangalore	16.00	16.00	1004.00	1004.00	0.06	0.97
South Gujarat Regional	15.42	15.42	587.00	587.00	7.20	4.98
North Gujarat Regional	2.91	2.91	144.00	144.00	0.41	0.37
Rajasthan Regional (Jaisalmer)	2.35	2.35	154.00	154.00	0.75	1.09
Cauvery Basin	8.66	8.66	268.00	268.00	3.20	3.57
K G Basin	16.00	16.00	877.00	877.00	8.64	5.99
Assam (Lakwa)	2.50	2.50	8.00	8.00	0.61	0.57
Tripura (Tripura)	2.26	2.26	61.00	61.00	1.45	1.48
Mumbai Regional	7.04	7.04	129.00	129.00	8.86	9.72
GSPL	**50.00**	**50.00**	**2163.00**	**2174.00**	**NA**	**NA**
GSPL-Gujarat Gas Grid	50.00	50.00	2163.00	2174.00	NA	NA
Assam Gas Company	**N.A.**	**6.00**	**N.A**	**1000.00**	**N.A.**	**4.50**
Duliajan to Numaligarh	N.A.	6.00	N.A	1000.00	N.A.	4.50
RIL	**85.00**	**85.00**	**1375.00**	**1375.00**	**33.41**	**20.20**
East-West Pipeline***	85.00	85.00	1375.00	1375.00	33.41	20.20
Total Onshore Gas Pipeline	**357.48**	**359.18**	**14426.70**	**15644.70**	**1098.40**	**1289.51**
GAS PIPELINES (Offshore)						
ONGC	**105.76**	**105.76**	**987.00**	**987.00**	**46.54**	**45.68**
28" MUT Gas Line	12.25	12.25	204.00	204.00	9.32	9.95
26" BUT gas line **	12.49	12.49	203.00	203.00	0.24	0.00
26" HUT gas line	16.00	16.00	81.00	81.00	1.78	2.09
36" BPA - Hazira (gas)	22.00	22.00	231.00	231.00	14.37	13.37
42" BPB - Hazira (gas)	37.02	37.02	244.00	244.00	16.98	16.33
20" Uran Trombay Gas Trunk line	6.00	6.00	24.00	24.00	3.85	3.94
Total offshore Gas Pipeline	**105.76**	**105.76**	**987.00**	**987.00**	**46.54**	**45.68**
Total Gas Pipeline	**463.24**	**464.94**	**15413.70**	**16631.70**	**1144.94**	**1335.19**

Note: Excludes 782 KMs & 529 KMs onshore & offshore Pipeline respectively reported by DGH of Pvt/JVs & 77 KMs onshore Pipeline reported by Essar Oil Ltd. **: RIL's Gas Pipeline (Onshore) comprises 1375 kms Trunk line + approx. 105 kms spurline.

***:Derated to maximum allowable operating pressure to 60 kg/cm2 as per fit for purpose certification of 2012-13.

Group and approval by PNGRB *Provisional

III.5(d) Major LPG & Petroleum Products Pipelines in India

Type of Pipeline / Owner/Name of Pipeline	Capacity (MMTPA) (As on 1st April)		Length (KM) (As on 1st April)		Throughput (TMT)*	
	2013	2014	2013	2014	2012-13	2013-14
1	2	3	4	5	6	7
LPG Pipelines						
IOCL	**0.70**	**0.70**	**274.00**	**274.00**	**499.00**	**490.00**
Panipat - Jalandhar LPG Pipeline	0.70	0.70	274.00	274.00	499.00	490.00
GAIL	**3.83**	**3.83**	**2038.00**	**2038.00**	**3130.00**	**3140.00**
Jamnagar-Loni LPG Pipeline	2.50	2.50	1415.00	1415.00	2330.00	2200.00
Vizag-Secunrabad LPG Pipeline	1.33	1.33	623.00	623.00	800.00	940.00
Total LPG Pipeline	**4.53**	**4.53**	**2312.00**	**2312.00**	**3629.00**	**3630.00**
PRODUCT Pipelines (Onshore)						
IOCL	**36.16**	**36.39**	**6358.00**	**6358.00**	**27595.00**	**26722.00**
Koyali Ahmedabad Pipeline	1.10	1.10	116.00	116.00	538.00	673.00
Koyali Sanganer Pipeline	4.60	4.60	1287.00	1287.00	3441.00	3428.00
Koyali Ratlam Pipeline	2.00	2.00	265.00	265.00	844.00	1137.00
Koyali Dahej Pipeline	2.60	2.60	197.00	197.00	870.00	328.00
Barauni Kanpur Pipeline	3.50	3.50	745.00	745.00	2535.00	2588.00
Haldia Mourigram Rajbandh Pipeline	1.35	1.35	277.00	277.00	1840.00	1843.00
Haldia Barauni Pipeline	1.25	1.25	525.00	525.00	1146.00	1021.00
Guwahati Siliguri Pipeline	1.40	1.40	435.00	435.00	1711.00	1727.00
Panipat Bhatinda Pipeline	1.50	1.50	219.00	219.00	1426.00	1323.00
Panipat Rewari Pipeline	1.50	2.10	155.00	155.00	1615.00	1487.00
Panipat Ambala Jalandhar Pipeline	3.50	3.50	434.00	434.00	2654.00	2393.00
Panipat Delhi Pipeline		**	182.00	189.00	1070.00	1937.00
Mathura Delhi Bijwasan Panipat Pipeline	3.70	3.70	258.00	258.00	2676.00	1784.00
Mathura Tundla Pipeline	1.20	1.20	56.00	56.00	310.00	300.00
Mathura Bharatpur Pipeline			21.00	21.00	521.00	453.00
Chennai Trichy Madurai Pipeline	2.30	2.30	683.00	683.00	2273.00	2304.00
Chennai Bangalore Pipeline	2.45	2.45	290.00	290.00	809.00	989.00
Chennai Meenambakkam ATF Pipeline	0.18	0.18	95.00	95.00	222.00	225.00
Digboi Tinsukia Pipeline	1.00	1.00	75.00	75.00	508.00	525.00
Devangonthi Devanhalli Pipeline	0.66	0.66	36.00	36.00	252.00	257.00
Nagapattinam Narimanam Pipeline	0.37	-	7.00	-	329.00	-
BPCL	**8.80**	**10.84**	**1646.00**	**1697.00**	**8205.00**	**9169.96**
Mumbai Manmad Manglya Piyala Bijwasan(MS/SKO/HSD)	6.00	6.00	1389.00	1389.00	6021.37	6025.05
Bina Kota (MS/SKO/HSD)	2.80	2.80	259.00	259.00	2183.63	2347.50
Mumbai Refinery - Santacruz Airport (ATF)	-	1.44	-	15.00	-	676.09
Kochi Refinery - Kochi Airport (ATF)	-	0.60	-	34.00	-	121.32
HPCL	**23.02**	**23.02**	**2445.60**	**2445.60**	**14976.97**	**16120.90**
Mumbai - Pune - Solapur Pipeline	4.30	4.30	508.00	508.00	4055.69	3943.00
Visakh - Vijayawada - Secunderabad Pipeline	5.38	5.38	572.00	572.00	4381.70	4255.00
Mundra - Delhi Pipeline	5.00	5.00	1054.00	1054.00	4125.38	2863.00
Ramanmandi - Bahadurgarh Pipeline	4.71	4.71	243.00	243.00	1477.83	3878.00
Ramanmandi - Bhatinda Pipeline	1.13	1.13	30.00	30.00	485.38	756.00
Lube Oil Pipeline from Mumbai Refinery to Mazagaon terminal	1.00	1.00	17.10	17.10	339.00	332.00
Black Oil Pipeline from Mumbai Refinery to Vashi terminal	1.50	1.50	21.50	21.50	112.00	93.90
OIL	**1.72**	**1.72**	**654.30**	**654.30**	**1487.00**	**1641.62**
Numaligarh - Siliguri Pipeline	1.72	1.72	654.30	654.30	1487.00	1641.62
PCCK	**3.30**	**3.30**	**293.00**	**293.00**	**2570.00**	**2570.00**
Cochin - Coimbatore - Karur Pipeline	3.30	3.30	293.00	293.00	2570.00	2570.00
PHMB	**2.14**	**2.14**	**364.00**	**364.00**	**2816.00**	**3073.00**
Mangalore Hassan Bengaluru Pipeline	2.14	2.14	364.00	364.00	2816.00	3073.00
Total Onshore Products Pipeline	**75.14**	**77.41**	**11762.90**	**11811.90**	**57649.97**	**59297.48**
Total Offshore Products Pipeline						
Total Petroleum Products Pipeline	**75.14**	**77.41**	**11762.90**	**11811.90**	**57649.97**	**59297.48**
Grand Total Pipeline* **	**79.67**	**81.94**	**14074.90**	**14123.90**	**61278.97**	**62927.48**

*Nagapattinam Narimanam pipeline removed from pipeline list from 13-14 since it is a dock line and not a cross-country pipeline

: Though Prime mover of 3 MMTPA has been installed, delivery station at Tikrikalan is yet to be commissioned . Hence not considered incapacity calculation. *: Includes LPG Pipeline.

III.6 Tonnage of Indian Tankers Fleet

	2007	2008	2009	2010	2011	2012	2013	2014
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*
A. Coastal Trade (Oil Tankers)								
1. Product Carriers								
No. of tankers	10	12	14	13	13	14	13	14
DWT ('000' tonnes)	42.6	44.7	66.70	43.2	43.2	43.2	42.8	43.9
2. Crude Oil Carriers								
No. of tankers	2	2	2	2	2	2	1	2
DWT ('000' tonnes)	82.2	82.2	82.2	82.2	82.2	82.2	41.1	41.1
3. Offshore Supply Vessels								
No. of tankers	89	96	100	110	110	115	106	108
DWT ('000' tonnes)	105.8	118.4	122.6	132.5	133.9	133.9	112.9	114.7
4. Specialised vessels for offshore								
No. of tankers	35	36	36	38	38	38	38	38
DWT ('000' tonnes)	47.4	47.4	49.3	50.5	50.5	50.5	50.5	50.5
Total (1+2+3+4)								
No. of tankers	136	146	152	163	163	169	158	162
DWT ('000' tonnes)	278.0	292.7	320.8	308.4	309.8	309.8	247.3	250.2
B. Overseas Trade (Oil Tankers)								
5. Ore Oil Bulk Carriers								
No. of tankers	2	2	2	2	2	2	1	1
DWT ('000' tonnes)	169.3	169.3	169.3	169.3	169.3	169.3	45.8	45.8
6. Crude Oil Carriers								
No. of tankers	54	53	54	60	72	71	59	64
DWT ('000' tonnes)	5730.9	5273.8	5264.1	5687.5	6665.2	6506.0	5661.2	5785.8
7. Product Carriers								
No. of tankers	47	48	50	57	55	55	49	47
DWT ('000' tonnes)	2684.8	2940.3	3302.9	3586.9	3474.1	3405.1	3266.5	3272.7
8. LPG Carriers								
No. of tankers	15	16	14	9	8	9	9	9
DWT ('000' tonnes)	385.5	442.3	395.8	276.9	240.8	240.8	272.9	272.9
Total Overseas (5+6+7+8)								
No. of tankers	118	119	120	128	137	137	118	121
DWT ('000' tonnes)	8970.5	8825.7	9132.1	9720.6	10549.4	10321.1	9246.3	9377.1
Total Oil Tankers (A+B)								
No. of tankers	254	265	272	291	300	306	276	283
DWT ('000' tonnes)	9248.5	9118.4	9452.9	10029.0	10859.2	10630.9	9493.6	9627.3

DWT: Dead Weight Tonnage.

Source: Directorate General of Shipping, Mumbai.

III.7 Indian Tonnage as on 31.3.2014

(Figures in Tonnes)

Sl.No.	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	Blue Ocean Sea Transport Ltd.	965	1546
4	Castle Ships Pvt. Ltd.	1332	2127
5	Coast Line Services (India) (P) Ltd.	493	872
6	Jaisu Shipping (P) Ltd.	1873	2808
7	K.Raghu Pathi Rao(Raghu)	65	0
8	M.Gangadhar Rao	36	0
9	Pratibha Shipping Co. Ltd.	30565	28610
10	Shree Krishna Quarry Pvt. Ltd.	708	0
11	Vamsee Shipping Carrier Pvt. Ltd.	1495	2238
	Total	**41436**	**43870**
	Tankers (Crude Oil Carriers)		
1	The Shipping Corporation of India Ltd.	25040	41123
2	Jedwet Krishna Quarry Pvt. Ltd.	40	0
	Total	**25080**	**41123**
	Offshore Supply Vessels		
1	Admn. of UT of Lakshadweep	738	960
2	Albatross Shipping Agencies	2893	3798
3	Amity Shipping Entp. Pvt Ltd.	824	1100
4	ARC Marine Pvt Ltd.	1591	1921
5	Asian Marine Supplier	104	0
6	Atlas Offshore Services Pvt. Ltd.	297	1018
7	Bhambhani Shipping Ltd.	867	1060
8	Chandra Ship Management Pvt. Ltd.	285	0
9	Coastal Marine Const. & Engg. Ltd.	2101	1204
10	Damodar Marine Services Pvt. Ltd.	487	737
11	Diplomat Marine	1221	1149
12	Dolphin Offshore Shipping Ltd.	363	272
13	Dunnimaa Engineers & Divers Ent. P. Ltd.	639	627
14	Epsom Shipping (I) Pvt. Ltd.	1791	1451
15	GAL Offshore Shipping	640	0
16	Global Offshore Ltd.	867	1060
17	GOL Offshore Ltd.	11563	14841
18	Greatship (India) Ltd.	4983	2416
19	HAL Offshore Ltd.	1085	832
20	Hede Ferominas (P) Ltd.	1332	1686
21	Hind Offshore Pvt. Ltd.	4916	2387
22	ITT Lines Pvt. Ltd.	1042	1207
23	Jayesh Shipping P.Ltd.	69	0
24	KEI-RSOS Maritime Ltd.	2779	2914
25	Lewak Alter Shipping Pvt. Ltd.	3601	0
26	Mathew Meenathethil George	322	500
27	Oil and Natural Gas Corporation	19652	24036
28	PFS Shipping (India) Ltd.	3844	3842
29	Prince Marine Transport Services	3634	1172
30	Procyon Offshore Shipping Ltd.	1008	491
31	Raj Shipping Agencies Ltd.	4337	4759
32	S.R.Offshore Pvt. Ltd.	417	0
33	Samson Maritime Ltd.	5887	5443
34	Samghulingam Marine Services	317	0
35	The Shipping Corporation of India Ltd.	14391	15797
36	Shree Krishna Stevedors Pvt. Ltd.	867	1060
37	Supreme Globle Service Pvt. Ltd.	495	0
38	Synergy Offshore Services	189	125
39	TAG Offshore Ltd	5748	3805
40	TAG Sea Logistics Ltd.	3939	4952
41	Tarun Shipping & Industries Ltd.	1978	2172
42	Transtar Marine & Offshore Services	1078	0
43	Samudrika Logistics Pvt. Ltd.	275	290
44	S.S. Offshore Pvt. Ltd.	1310	1812
45	Mustan Tahderbhai Khanbhai	1310	1817
46	Mrs. Ishrat johan W/o Mr. Riaz Khan	140	15
	Total	**118216**	**114728**
	LPG Carriers		
1	Great Eastern Shipping Co. Ltd.	42465	49701
2	Shipping Corporation of India Ltd.	35556	35202
3	Varun Shipping Co.Ltd.	200309	187978
	Total	**278330**	**272881**

Cont'd...

Source: Directorate General of Shipping, Mumbai.

III.7 Indian Tonnage as on 31.3.2014

(Figures in Tonnes)

Sl. No.	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.	3114	1480
4	Jaisu Shipping Co.(P) Ltd.	99	99
5	National Institute of Oceanography, Goa	709	297
6	National Institute of Ocean Technology	4862	0
7	Oil and Natural Gas Corporation	45281	26469
8	Dolphin Offshore Services Pvt. Ltd.	405	436
9	Dolphin Offshore Shipping ltd.	715	915
10	Reliance Industries Ltd.	2421	3104
11	Safe & Sure Marine Pvt. Ltd.	490	826
12	Samson Maritime	663	668
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
19	Sea Rides Swhip Management	1011	1142
	Total	**88201**	**50480**
	Overseas Trade		
	Ore Oil Bulk Carriers		
1	The Shipping Corporation of India Ltd.	28029	45792
	Total	**28029**	**45792**
	Oil Tankers (Crude Carriers)		
1	Chambal Fertilisers & Chemicals	342002	623836
2	Peninsular Tankers Pvt. Ltd.	8228	15037
3	Arya Tankers Pvt. Ltd.	28414	44998
4	Seven Islands Shipping Ltd.	101782	121906
6	Varun Shipping Co. Ltd.	114263	213678
5	Mercator Lines Ltd.	136977	234833
7	Essar Shipping Ports & Logistics Ltd.	149274	281396
8	Pratibha Shipping Co. Ltd.	205806	364629
9	Great Eastern Shipping Co.Ltd.	370594	638389
10	The Shipping Corporation of India Ltd.	1794224	3247095
	Total	**3251564**	**5785797**
	Oil Tankers (Product Carriers)		
1	M.P. Recycling Co. Pvt. Ltd.	20378	29990
2	ASM Shipping	18101	30990
3	Castle Ships Pvt. Ltd.	4473	7335
4	Great Eastern Shipping Co.Ltd.	528658	950903
5	Mercator Lines	387744	675026
6	Pratibha Shipping Ltd.	45172	76881
7	Sanmar Shipping Ltd.	117250	203119
8	Seven Islands Shipping	4473	7314
9	The Shipping Corporation of India Ltd.	694758	1178627
10	SCI Forbes Ltd.	34500	52489
11	Forcee Ports Terminal Pvt. Ltd.	28226	45999
12	Forcee Ports Terminal Pvt. Ltd.	5998	14003
	Total	**1889731**	**3272676**

Source: Directorate General of Shipping, Mumbai.

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

(Figures in 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	2007-08	57.33	22.25	38.80
	2008-09	54.05	20.31	37.60
	2009-10	46.30	10.08	21.80
	2010-11	47.43	11.65	24.60
	2011-12	43.24	8.58	19.80
	2012-13	39.88	6.90	17.30
	2013-14*	41.38	6.82	16.50
Mumbai	2007-08	57.04	37.07	65.00
	2008-09	51.88	34.87	67.20
	2009-10	54.54	36.60	67.10
	2010-11	54.59	33.23	60.90
	2011-12	56.19	33.31	59.30
	2012-13	58.04	34.78	59.90
	2013-14*	59.18	35.98	60.80
Chennai	2007-08	57.15	12.71	22.20
	2008-09	57.49	13.11	22.80
	2009-10	61.06	13.43	22.00
	2010-11	61.46	13.88	22.60
	2011-12	55.71	13.29	23.90
	2012-13	53.40	13.42	25.10
	2013-14*	51.11	12.78	25.00
Cochin	2007-08	15.81	11.30	71.50
	2008-09	15.23	10.49	68.90
	2009-10	17.43	11.46	65.70
	2010-11	17.47	12.10	69.30
	2011-12	20.09	14.01	69.70
	2012-13	19.85	13.90	70.00
	2013-14*	20.89	14.32	68.50
Kandla	2007-08	64.92	38.23	58.90
	2008-09	72.23	45.54	63.00
	2009-10	79.52	47.21	59.40
	2010-11	81.88	48.43	59.10
	2011-12	82.50	46.94	56.90
	2012-13	93.62	54.36	58.10
	2013-14*	87.01	53.14	61.10
Visakhapatnam	2007-08	64.60	19.81	30.70
	2008-09	63.91	19.76	30.90
	2009-10	65.50	18.29	27.90
	2010-11	68.04	19.27	28.30
	2011-12	67.42	18.44	27.40
	2012-13	58.96	15.02	25.50
	2013-14*	58.50	14.01	23.90
Mormugao	2007-08	35.13	0.87	2.50
	2008-09	41.68	0.90	2.20
	2009-10	48.85	0.96	2.00
	2010-11	50.02	0.94	1.90
	2011-12	39.00	0.92	2.40
	2012-13	17.69	0.82	4.60
	2013-14*	11.74	0.53	4.50

Cont'd.....

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

(Figures in 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*
J.N.P.T.	2007-08	55.84	2.19	3.90
	2008-09	57.28	5.37	9.40
	2009-10	60.75	6.08	10.00
	2010-11	64.30	5.13	8.00
	2011-12	65.75	4.93	7.50
	2012-13	64.50	4.29	6.70
	2013-14*	62.33	4.41	7.10
Paradip	2007-08	42.44	1.76	4.10
	2008-09	46.41	3.24	7.00
	2009-10	57.01	11.65	20.40
	2010-11	56.03	12.85	22.90
	2011-12	54.25	15.09	27.80
	2012-13	56.55	16.47	29.10
	2013-14*	68.00	17.70	26.00
Tuticorin	2007-08	21.48	0.46	2.10
	2008-09	22.01	0.50	2.30
	2009-10	23.79	0.51	2.10
	2010-11	25.73	0.74	2.90
	2011-12	28.10	0.84	3.00
	2012-13	28.26	0.79	2.80
	2013-14*	28.64	0.48	1.70
New Mangalore	2007-08	36.02	21.78	60.50
	2008-09	36.69	21.33	58.10
	2009-10	35.53	21.34	60.10
	2010-11	31.55	21.55	68.30
	2011-12	32.94	22.25	67.50
	2012-13	37.04	24.30	65.60
	2013-14*	39.37	24.65	62.60
Ennore	2007-08	11.55	0.32	2.80
	2008-09	11.50	0.36	3.10
	2009-10	10.70	0.40	3.70
	2010-11	11.01	0.59	5.40
	2011-12	14.96	0.50	3.30
	2012-13	17.89	1.12	6.30
	2013-14*	27.34	2.34	8.60
Grand Total	2007-08	519.31	168.75	32.50
	2008-09	537.65	177.45	33.00
	2009-10	560.98	178.01	31.70
	2010-11	569.51	180.36	31.70
	2011-12	560.15	179.10	32.00
	2012-13	545.68	186.17	34.10
	2013-14*	545.68	186.17	34.10

Source : Ministry of Shipping.

*: Provisional

III.9 Movement of POL Traffic on Railways

Year	Tonnes Originating	Earnings	Average Lead	Earnings	Average Freight
	(TMT)	('000' Rs.)	(Kms)	(Paise/Tonnes/Kms)	(Rs/Tonne)
1	*2*	*3*	*4*	*5*	*6*
2007-08	35879	29364077	652	125.5	818.42
2008-09	38078	30511602	631	127.0	801.29
2009-10	38884	31890095	639	128.2	820.13
2010-11	39293	33537646	664	128.6	853.53
2011-12	39774	36236428	656	138.9	911.06
2012-13	40607	47178574	701	165.63	1161.83
2013-14	41940	54053700	676	190.7	1288.83

Note: Provisional figures for the year 2013-14 based on St.7-A incl. LRCL Figures from 2005-06 2012-13 based on annual ST.13.

Source : Railway Board

III.10 Rail Freight Rates in respect of Petroleum Products

(Figures in Rs./Tonne)

Effective Dates	Distance in Kilometres							
	100	300	500	800	1000	1500	2000	2500
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*
01.04.2007	175.10	413.10	647.20	1007.60	1243.00	1835.00	2302.40	2615.80
01.04.2008	166.80	393.40	616.40	959.60	1183.80	1747.60	2192.80	2491.20
01.04.2009	166.80	393.40	616.40	959.60	1183.80	1747.60	2192.80	2491.20
01.04.2010	166.80	393.40	616.40	959.60	1183.80	1747.60	2192.80	2491.20
01.04.2011	166.80	405.00	640.80	998.00	1231.20	1817.60	2280.60	2590.80
01.04.2012	200.20	486.00	769.00	1197.60	1477.40	2181.20	2736.80	3109.00
01.04.2013	211.80	514.00	813.60	1267.00	1563.20	2367.60	2896.60	3289.40
10.10.2013	215.40	522.60	827.20	1288.00	1589.00	2346.00	2944.00	3344.20
25.06.2014	257.80	556.40	880.80	1371.40	1692.20	2497.80	3134.40	3560.60

Source : Railway Board

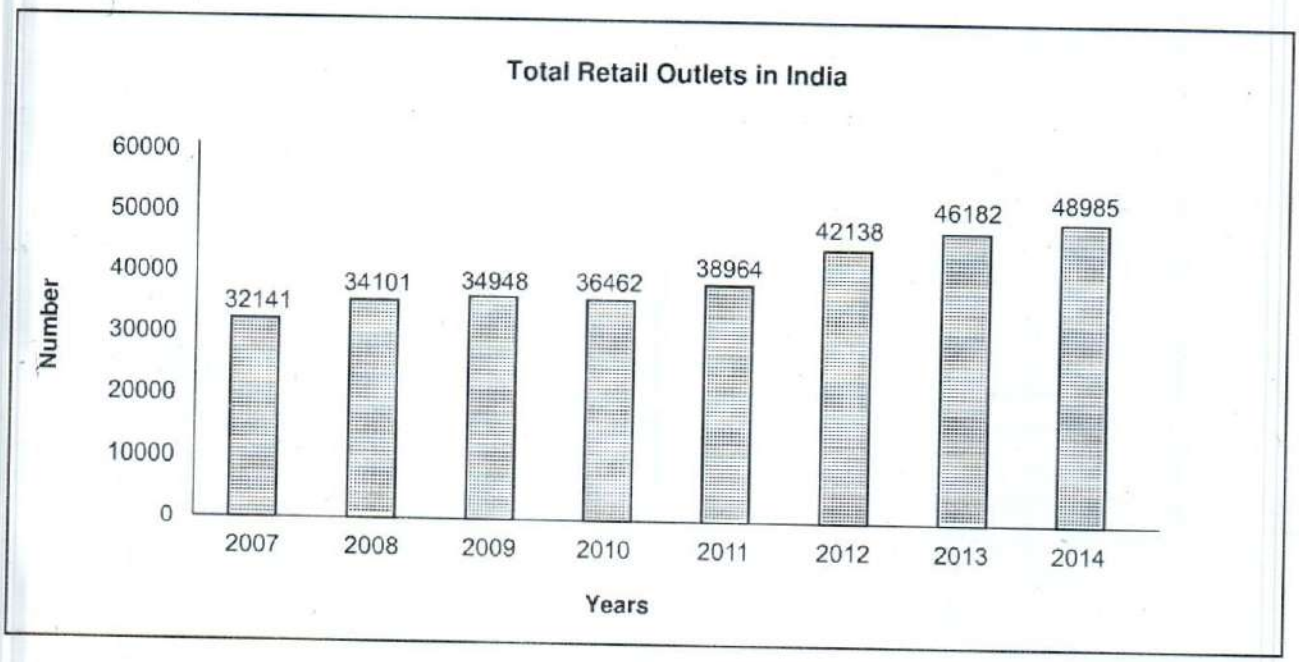
III.11 Total Retail Outlets in India

(Figures in Number)

Year	Retail Outlets*	BPCL	HPCL	IOC	TOTAL
1	2	3	4	5	7
2007	Nos.	7800	7909	16432	32141
	%	24.3	24.6	51.1	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
2011	Nos.	9289	10212	19463	38964
	%	23.8	26.2	50.0	100.0
2012	Nos.	10310	11253	20575	42138
	%	24.5	26.7	48.8	100.0
2013	Nos.	11637	12173	22372	46182
	%	25.2	26.4	48.4	100.0
2014	Nos.	12123	12869	23993	48985
	%	24.7	26.3	49.0	100.0

Source: Public Sector Undertakings.

*: As on 1st April



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

(Figures in Number)

State / UT	As on 31.03.2014		
	Retail Outlets	LDO/SKO Dealers	LPG Distributors
1	*2*	*3*	*4*
STATES			
Andhra Pradesh	4710	603	1277
Arunachal Pradesh	71	33	43
Assam	753	359	339
Bihar	2316	372	747
Chhattisgarh	998	109	246
Delhi	403	116	318
Goa	109	21	53
Gujarat	2910	493	607
Haryana	2333	142	379
Himachal Pradesh	361	26	144
Jammu & Kashmir	469	47	180
Jharkhand	1062	86	295
Karnataka	3620	322	705
Kerala	1900	242	475
Madhya Pradesh	2873	279	866
Maharashtra	5025	774	1375
Manipur	80	36	55
Meghalaya	175	35	37
Mizoram	32	19	45
Nagaland	68	19	39
Orissa	1438	177	370
Punjab	3229	241	577
Rajasthan	3327	250	790
Sikkim	44	12	10
Tamil Nadu	4540	465	995
Tripura	63	40	44
Uttar Pradesh	6013	695	1931
Uttarakhand	505	72	194
West Bengal	2183	469	701
UNION TERRITORIES			
Andaman & Nicobar	9	1	5
Chandigarh	41	12	27
Dadra & Nagar Haveli	27	2	2
Daman & Diu	31	5	2
Lakshadweep	0	0	1
Pondicherry	150	8	22
Grand Total	**51868**	**6582**	**13896**

Source: Public Sector Undertakings.

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

(Figures in Number)

State / UT	As on 31.03.2014					Total as on 31.03.2013
	IOCL/ AOD	HPCL	BPCL	TOTAL (2+3+4)	TOTAL INDUSTRY	
1	2	3	4	5		6
STATES						
Andhra Pradesh	1958	1429	1121	4508	4710	4302
Arunachal Pradesh	48	0	7	55	71	54
Assam	500	83	114	697	753	666
Bihar	1269	430	551	2250	2316	2101
Chhattisgarh	435	296	246	977	998	865
Delhi	199	97	107	403	403	408
Goa	27	36	46	109	109	104
Gujarat	1175	662	619	2456	2910	2301
Haryana	1238	628	360	2226	2333	2045
Himachal Pradesh	196	99	59	354	361	352
Jammu & Kashmir	218	129	122	469	469	453
Jharkhand	473	235	293	1001	1062	966
Karnataka	1750	847	860	3457	3620	3129
Kerala	833	556	435	1824	1900	1800
Madhya Pradesh	1161	711	797	2669	2873	2425
Maharashtra	1728	1443	1520	4691	5025	4316
Manipur	68	0	8	76	80	69
Meghalaya	110	21	32	163	175	158
Mizoram	27	3	1	31	32	29
Nagaland	47	3	6	56	68	56
Orissa	695	285	380	1360	1438	1291
Punjab	1664	853	588	3105	3229	3069
Rajasthan	1466	924	718	3108	3327	2919
Sikkim	15	7	21	43	44	42
Tamil Nadu	1991	1127	1230	4348	4540	4148
Tripura	59	0	1	60	63	52
Uttar Pradesh	3156	1278	1211	5645	6013	5317
Uttarakhand	231	152	100	483	505	461
West Bengal	1128	466	519	2113	2183	2049
UNION TERRITORIES						
Andaman & Nicobar	9	0	0	9	9	9
Chandigarh	20	11	10	41	41	41
Dadra & Nagar Haveli	9	10	3	22	27	20
Daman & Diu	11	10	7	28	31	23
Lakshadweep	0	0	0	0	0	0
Puducherry	79	38	31	148	150	142
Grand Total	**23993**	**12869**	**12123**	**48985**	**51868**	**46182**

Source: Public Sector Undertakings.

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

(Figures in Number)

State / UT	As on 31.03.2014				Total as on 31.03.2013
	IOCL/ AOD	HPCL	BPCL	TOTAL (Col.2-4)	
1	2	3	4	5	6
STATES					
Andhra Pradesh	6876568	8031416	3875082	18783066	17125760
Arunachal Pradesh	220576	0	3233	223809	203377
Assam	2848670	84425	218066	3151161	2772124
Bihar	3234688	1140837	1120775	5496300	4567709
Chhattisgarh	919642	564529	244519	1728690	1516874
Delhi	3818155	820775	1273963	5912893	5423195
Goa	13337	349032	181014	543383	522043
Gujarat	4208648	1649293	1842400	7700341	7206361
Haryana	2342589	1005915	1591555	4940059	4513701
Himachal Pradesh	1435155	201342	121242	1757739	1658386
Jammu & Kashmir	558012	1252380	189588	1999980	1795835
Jharkhand	1238682	379803	245445	1863930	1651877
Karnataka	4222476	3280955	2341330	9844761	8884893
Kerala	4088371	1402224	2367430	7858025	7448632
Madhya Pradesh	3574928	1946211	1482780	7003919	6196073
Maharashtra	2560127	8776973	8971217	20308317	18742571
Manipur	360571	0	0	360571	317353
Meghalaya	175314	0	4210	179524	175573
Mizoram	278623	0	0	278623	265019
Nagaland	219636	0	1705	221341	201984
Orissa	1011771	1021082	582183	2615036	2245600
Punjab	3884659	1336685	1604901	6826245	6239264
Rajasthan	3491149	2219273	2194373	7904795	6988244
Sikkim	136413	0	0	136413	126465
Tamil Nadu	9887824	2427766	4048242	16363832	15294690
Tripura	404711	0	0	404711	372148
Uttar Pradesh	11658228	2921699	4637692	19217619	16593606
Uttarakhand	1816870	149368	323816	2290054	2155718
West Bengal	5832530	1976712	1562497	9371739	8265651
UNION TERRITORIES					
Andaman & Nicobar	81539	0	0	81539	67637
Chandigarh	251916	85049	54743	391708	375531
Dadra & Nagar Haveli	0	64718	0	64718	59713
Daman & Diu	0	41249	22849	64098	59739
Lakshadweep	2629	0	0	2629	2480
Puducherry	137898	137869	91424	367191	354864
GRAND TOTAL	**81792905**	**43267580**	**41198274**	**166258759**	**150390690**

Source: Public Sector Undertakings.

III.15 State-wise and Company-wise LPG Distributors

(Figures in Number)

State / UT	As on 31.03.2014				Total as on 31.03.2013
	IOCL	HPCL	BPCL	TOTAL	
1	2	3	4	5	6
STATES					
Andhra Pradesh	554	422	301	1277	1231
Arunachal Pradesh	42	0	1	43	37
Assam	283	23	33	339	303
Bihar	372	182	193	747	627
Chhattisgarh	125	81	40	246	211
Delhi	193	48	77	318	317
Goa	7	29	17	53	53
Gujarat	336	141	130	607	598
Haryana	193	77	109	379	350
Himachal Pradesh	112	18	14	144	136
Jammu & Kashmir	92	69	19	180	168
Jharkhand	162	74	59	295	248
Karnataka	308	225	172	705	616
Kerala	244	104	127	475	448
Madhya Pradesh	436	223	207	866	741
Maharashtra	323	548	504	1375	1303
Manipur	55	0	0	55	47
Meghalaya	36	0	1	37	37
Mizoram	45	0	0	45	39
Nagaland	37	0	2	39	37
Orissa	147	139	84	370	323
Punjab	325	105	147	577	521
Rajasthan	352	235	203	790	710
Sikkim	10	0	0	10	8
Tamil Nadu	568	196	231	995	924
Tripura	44	0	0	44	38
Uttar Pradesh	1030	381	520	1931	1287
Uttarakhand	146	19	29	194	541
West Bengal	424	151	126	701	652
UNION TERRITORIES					
Andaman & Nicobar	5	0	0	5	5
Chandigarh	18	5	4	27	27
Dadra & Nagar Haveli	0	2	0	2	2
Daman & Diu	0	2	0	2	2
Lakshadweep	1	0	0	1	1
Puducherry	10	7	5	22	22
Grand Total	**7035**	**3506**	**3355**	**13896**	**12610**

Source: Public Sector Undertakings.

III.16 State-wise and Company-wise SKO/LDO Dealerships

(Figures in Number)

State / UT	As on 31.03.2014				Total as on 31.03.2013
	IOCL	HPCL	BPCL	TOTAL	
1	2	3	4	5	6
STATES					
Andhra Pradesh	282	244	77	603	603
Arunachal Pradesh	33	0	0	33	33
Assam	359	0	0	359	359
Bihar	284	37	51	372	373
Chhattisgarh	61	39	9	109	109
Delhi	81	23	12	116	116
Goa	8	7	6	21	21
Gujarat	280	127	86	493	493
Haryana	79	41	22	142	143
Himachal Pradesh	18	3	5	26	26
Jammu & Kashmir	35	8	4	47	47
Jharkhand	57	13	16	86	86
Karnataka	181	94	47	322	325
Kerala	135	72	35	242	242
Madhya Pradesh	164	63	52	279	279
Maharashtra	304	260	210	774	775
Manipur	36	0	0	36	36
Meghalaya	35	0	0	35	35
Mizoram	19	0	0	19	19
Nagaland	19	0	0	19	19
Orissa	105	47	25	177	177
Punjab	136	71	34	241	242
Rajasthan	116	103	31	250	251
Sikkim	10	0	2	12	12
Tamil Nadu	270	139	56	465	465
Tripura	40	0	0	40	40
Uttar Pradesh	408	138	149	695	695
Uttarakhand	46	12	14	72	72
West Bengal	314	89	66	469	469
UNION TERRITORIES	0				
Andaman & Nicobar	1	0	0	1	1
Chandigarh	7	3	2	12	12
Dadra & Nagar Haveli	1	0	1	2	2
Daman & Diu	3	0	2	5	5
Lakshadweep	0	0	0	0	0
Puducherry	3	5	0	8	8
Grand Total	**3930**	**1638**	**1014**	**6582**	**6590**

Source: Public Sector Undertakings.

III.17 LPG Marketing in India

Item	Unit	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14*
1	2	3	4	5	6	7	8	9
Consumption (PSU/Pvt)	(TMT)	12010	12191	13135	14332	15350	15603	16336
LPG Customers (PSUs) @	(Lac)	1018	1068	1163	1269	1387	1523	1683
LPG Distributors (PSUs) @	(No.)	9365	9366	9686	10541	11489	12610	13896
LPG Markets (PSUs) @	(No.)	4393	4420	4599	4866	4990	5105	5245
Enrolment	(Lac)	64.9	53.2	86.2	104.2	122.7	132	159
Indigenous Production (PSU/Pvt)	(TMT)	8868	9170	10336	9623	9554	9829	10031
of which								
(a) Refineries	(TMT)	6732	6996	8091	7541	7333	7694	7890
(b) Fractionators	(TMT)	2060	2162	2249	2168	2214	2130	2140
Imports (PSU/Pvt)	(TMT)	2833	2360	2718	4484	5035	6286	6610
Bottling Capacity @	(TMTPA)	8697	8967	11569	11889	12723	13458	14345

*: Provisional @: Year end position .

Source: Petroleum Planning & Analysis Cell.

III.18 Compressed Natural Gas (CNG) Activities in India (as on 31.03.2014)

Item	Delhi	Maharashtra			Gujarat			Madhya Pradesh					Haryana	Rajasthan	Andhra Pradesh				Tripura	Uttar Pradesh							Total
	Delhi/NCR	Mumbai #	Pune ^^	Panvel	Vado-dara	Vado-dara	Ankle-shwar	Vijay-pur	Dewas	Gwalior	Ujjain	Indore	Sonipat	Kota	Hydera-bad	Vijaya - wada	Kaki-nada	Rajamun-dary	Agar-tala	Luck-now	Agra	Kanpur	Bareilly	Meerut	Firoza-bad	Dibiya-pur	
	IGL	MGL	MNGL	GAIL Gas	GAIL Gas	GAIL	GGCL	GAIL Gas	GAIL Gas	AGL	AGL	AGL	GAIL Gas	GAIL Gas	GAIL BGL	GAIL BGL	GAIL BGL	GAIL BGL	TNGCL	GGL	GGL	CUGL	CUGL	GAIL Gas	GAIL Gas	GAIL Gas	
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*	*14*	*15*	*16*	*17*	*18*	*19*	*20*	*21*	*22*	*23*	*24*	*25*	*26*	*27*	*28*
Station Type																											
Mother	75	19	5	0	0	2	13	1	1	1	0	1	1	1	1	1	1	0	2	2	2	1	1	1	0	0	132
Online	212	130	8	0	1	0	36	0	0	1	0	4	0	0	1	2	0	0	0	3	2	10	1	2	1	1	414
Daughter Booster	38	20	15	1	5	1	8	0	0	0	0	0	0	0	18	5	2	1	2	3	2	1	0	0	0	0	120
Daughter	0	0	0	0	0	0 -		0	0	0	2	5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	8
Total	**325 ***	**169**	**28**	**1**	**6**	**3**	**57**	**1**	**1**	**2**	**2**	**10**	**1**	**2**	**18**	**8**	**3**	**1**	**4**	**8**	**6**	**12**	**2**	**3**	**1**	**1**	**674**
No. of Vehicles																											
Cars / Taxis	513431	180379	24869	34	1200	1198	128701	23	214	698	420	1700	1173	340	9414	1858	657	290	1857	7943	3689	15722	2119	1215	150	0	899094
Autos	175886	169969	34434	73	3200	3658	71999	0	170	1500	1540	10000	15	630	8383	5663	265	73	4241	6918	7507	3724	4370	890	100	0	515208
LCV/RTVs	6793	0	19	0	0	0	0	0	0	0	0	0	0	0	19	18	0	0	0	0	0	105	0	2	0	0	6956
Buses	16597	4108	957	0	0	100	646	0	0	2	0	260	1	0	167	328	0	0	30	1486	740	927	32	42	2	0	25425
Others/Phatphat	6737	4612	0	0	0	0	3516	0	196	0	40	40	0	0	0	0	0	0	0	962	0	12570	1390	0	0	0	30063
Total	**719444**	**359068**	**60279**	**107**	**4400**	**4956**	**204862**	**23**	**580**	**2200**	**2000**	**12000**	**1189**	**970**	**17983**	**7667**	**922**	**363**	**6128**	**17309**	**11936**	**33048**	**7911**	**2149**	**252**	**0**	**1477746**
Price (Rs./Kg)	39.90/45.10 ^	38.95 50/ 50.50 **		44.26	43.20	43.20	46.70	44.12	44.12	56.00	56.00	55.00	41.78	44.26	55.00	53.00	53.00	53.00	35.00	49.76	48.74	49.75	49.25	48.57	48.57	48.57	
Average Consumption																											
TPD	-	1169.12	152.58	1.38	21.43	30.16	278.40	0.09	3.34	2.84	3.49	33.20	12.99	5.12	30.44	34.50	2.45	1.103	40.77	71.92	38.71	76.96	19.76	19.13	6.77	0.45	2056.66
MMSCMD	2.82***	1.684	0.217	0.002	0.027	0.038	0.400	0.000	0.004	1.450	1.770	16.840	0.017	0.007	0.044	0.045	0.003	0.002	0.029	0.104	0.052	0.110	0.028	0.254	0.009	0.001	23.135

#: Mumbai and adjoining areas including Thane, Mira Bhyander and Navi Mumbai

*: In addition to these , another 30 stations have been set up by IGL which awaits statutory clearances

*: Delhi: Rs.39.90 per Kg/NCR: Rs. 45.10 per Kg

NCR: Noida, G.Noida & Gaziabad

TPD : Tonnes per day

^^: Pune includes Pune, Pimpri-Chinchwad and adjoining areas of Talegaon, Hinjewadi and Chakan (Assigned GA)

**: Pune and adjoining: Rs. 42.00 per Kg/Pimpri-Chinchwad and adjoining: Rs. 41.50 per Kg.

Conversion factors:

$: Includes Surat-Bharuch-Ankleshwar

***: Average Cons. of Delhi, Ghaziabad & Noida is 2.54, 0.09 & 0.19 MMSCMD respectively.

1. IGL : Indraprastha Gas Ltd. — 1 Kg = 1.35 SCM of gas
2. MGL : Mahanagar Gas Ltd. — 1 Kg = 1.44 SCM of gas
3. GGCL : Gujarat Gas Company Ltd. — 1 Kg = 1.45 SCM of gas
4. MNGL: Maharashtra Natural Gas Ltd — 1 Kg = 1.41 SCM of gas
5. AGL: Aavantika Gas Ltd. — 1 Kg = 1.39 SCM of gas
6. GGL : Green Gas Ltd. — 1 Kg. = 1.44 (Lucknow) and 1.34 (Agra) SCM of gas
7. BGL: Bhagyanagar Gas Ltd. — 1 Kg. = 1.311 SCM of gas
8. Gail: Gail Gas Ltd. — 1 Kg = 1.33 SCM of gas & 1.25 SCM (in case of Vadodara)

III.19 Introduction to Green Fuels in India

Product	Effective Date	Areas Covered
1	2	3
Bio Diesel	01.01.2006	20 purchase centres have been nominated: For Andhra Pradesh, Jharkhand & Odisha – Ghatkesar ; Chhattisgarh – Mandirhasaud ; Delhi – Biijwasan ; Gujarat – Kandla ; Haryana – Rewari ; Karnataka – Devangunthi & Mangalore ; Madhya Pradesh – Mangliagaon ; Maharashtra – Manmad, Borkhedi, Loni & Vashi ; Punjab – Bhatinda ; Rajasthan – Sanganer & Salawas ; Tamil Nadu -- Korruupet, Narimanam & Karur ; Uttar Pradesh & Uttarakhand – 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., Uttarakhand, U.P & West Bengal and 4 UTs: Chandigarh, Daman & Diu, Dadar & Nagar Haveli & Pondicherry.
	02.01.013	As per MoPNG Gazette Notification No. G.S.R. 4(E).dated 02.01.2013, Oil Marketing Companies shall sell Ethanol-blended–petrol with percentageof ethanol up to ten per cent and as per the Bureau of Indian Standard Specification to achieve five per cent ethanol blending across the Country as a whole.
MS(BS-IV) &HSD (BS IV)	01.04.2010	Delhi & NCR, Mumbai, Kolkata, Chennai, Bengaluru, Hyderabad, Kanpur, Agra, Pune, Surat, Ahmedabad, Lucknow, Sholapur
	01.01.2012	Puducherry, Mathura
	01.02.2012	Jamnagar, Vapi
	01.03.2012	Ankleshwar, Hissar , Bharatpur
	01.07.2012	Silvasa, Daman, Diu
	01.10.2012	Aligarh, Rae Bareilly, Unnao
	01.03.2013	Valsad, Karnal, Kurukshetra , Yamuna Nagar
	01.07.2013	Nizamabad, Medak, Mehboobnagar
	01.01.2014	Mahabaleshwar, Ahmednagar, Hindaun, Dholpur, Kosi Kalan, Vrindavan
MS (BS-III) & HSD (BS-III)	01.04.2010	Goa
	16.05.2010	Chhattisgarh, Andaman & Nicobar
	31.05.2010	Madhya Pradesh, Maharashtra
	16.05.2010	Andaman & Nicobar
	16.06.2010	Punjab, Rajasthan, Chandigarh, Orissa, Sikkim, West Bengal, Haryana, Uttarakhand, Himachal Pradesh, Gujarat, U T of Dadara & Nagar Haveli and Daman & Dieu.
	30.06.2010	Western UP, Andra Pradesh, Tamil Nadu, Puducherry, Jammu & Kashmir(other than Leh & Kargil)
	16.07.2010	Leh & Kargil
	16.09.2010	Eastern UP, Bihar & Jharkhand
	31.07.2010	Karnataka
	16.09.2010	Kerala, including, UT of Lakshadweep & Puducherry area fed Ex- Kerala.
	22.09.2010	Arunachal Pradesh, Assam, Manipur Meghalaya, Mizoram, Nagaland, & Tripura.

Note: *:Vide Notification No. GSR-580(E) dated 20.09.2006 MoPNG decided to introduce Ethanol Blended Petrol(EBP) in 2006 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 start only from mid May, 2010.

Source: Petroleum Planning & Analysis Cell.

Prices

IV.1. Wholesale Price Indices of Selected Petroleum Products

(Base year 2004-05 =100)

Products	Weight(%)	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	9
Light Distillates								
LPG	0.91	106.10	117.23	111.85	125.90	143.17	158.52	***167.97***
Petrol	1.09	119.12	128.32	119.33	143.02	174.41	186.26	192.58
Naphtha	0.79	134.62	179.37	172.76	204.02	257.87	283.57	302.25
Middle Distillates								
Kerosene	0.74	99.90	99.90	99.90	127.19	154.42	162.87	166.48
Aviation Turbine Fuel	0.26	157.38	194.54	137.03	164.92	229.44	257.89	274.04
High Speed Diesel Oil	4.67	125.57	135.82	132.97	151.72	164.54	183.36	217.84
Light Diesel Oil	0.12	162.30	178.31	161.47	192.49	252.03	275.73	302.45
Heavy Ends								
Furnace Oil	0.47	165.95	197.89	187.58	223.68	304.64	337.82	351.07
Lubricating Oil	0.17	145.82	171.12	174.50	192.56	230.40	244.57	259.48
Bitumen	0.16	179.15	257.00	238.04	249.42	304.27	319.68	389.96
Total Petroleum Products (Mineral Oils)	**9.36**	**126.25**	**141.84**	**135.75**	**157.47**	**184.02**	**202.45**	**225.95**
Crude Petroleum	**0.90**	**136.56**	**149.66**	**181.37**	**202.81**	**294.45**	**318.21**	**344.28**
All commodities	**100.00**	**116.63**	**126.02**	**130.81**	**143.32**	**156.13**	**167.62**	**177.64**

Source: Office of the Economic Adviser, Ministry of Commerce & Industry.

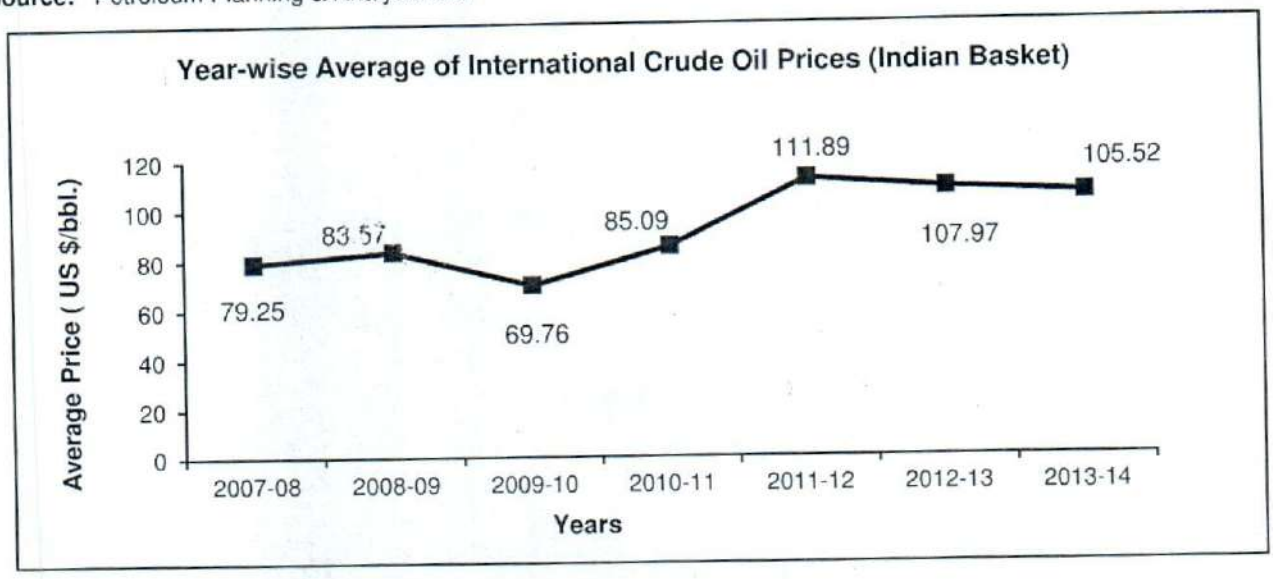
IV.2(a) Month & Year-wise Average of International Crude Oil Prices (Indian Basket)

(Price in US$/bbl.)

Year/Month	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	% Growth *
1	2	3	4	5	6	7	8	9
April	65.52	105.77	50.14	84.13	118.79	117.98	101.57	-13.91
May	65.74	120.91	58.00	76.11	110.70	108.05	101.10	-6.43
June	68.19	129.72	69.12	74.36	109.99	94.51	101.11	6.98
July	72.69	132.47	64.83	73.54	112.53	100.34	104.86	4.50
August	69.03	113.05	71.98	75.13	106.94	110.07	108.45	-1.47
September	74.83	96.81	67.70	76.09	108.79	111.77	109.47	-2.06
October	79.33	69.12	73.07	81.11	106.11	109.79	107.37	-2.20
November	89.11	50.91	77.39	84.26	109.62	107.87	106.55	-1.22
December	87.92	40.61	75.02	89.78	107.20	107.28	108.72	1.34
January	89.52	44.02	76.61	93.87	110.47	109.55	105.29	-3.89
February	92.37	43.22	73.65	101.16	117.67	112.68	106.19	-5.76
March	99.76	46.02	78.02	110.72	123.61	106.45	105.30	-1.08
Year Average	**79.25**	**83.57**	**69.76**	**85.09**	**111.89**	**107.97**	**105.52**	**-2.27**

*: % Growth during 2013-14 as compared to 2012-13.

Source: Petroleum Planning & Analysis Cell



IV.2(b) International prices of crude oil and major petroleum Products

Period	Crude Oil (Indian Basket)	Petrol	Diesel	Kerosene	LPG
	($/BBL)	($/BBL)			($/MT)
1	2	3	4	5	6
2007-08	79.25	90.76	92.91	94.33	683.49
2008-09	83.57	89.42	101.75	104.37	688.00
2009-10	69.76	76.23	74.67	75.35	582.69
2010-11	85.09	92.43	95.66	96.79	745.29
2011-12	111.89	121.63	125.38	125.99	899.42
2012-13	107.97	118.98	121.98	123.11	865.20
2013-14	105.52	114.31	119.41	118.80	880.49

Notes :

1. Composition of Indian Basket of Crude represents average of Oman & Dubai for sour grades and Brent (Dated) for sweet grade in the ratio of 64 : 37 for 2009-10; 62 : 38 for 2008-09; 61 : 39 for 2007-08; 60 : 40 for 2006-07; 58 : 42 for the year 2005-06 and 57 : 43 for the prior periods.

2. Price of kerosene (0.5% sulphur) is for Arab Gulf Market.

3. LPG Price is Saudi Aramco CP based on 60:40 butane / propane ratio.

4. Price of Petrol is 92 RON unleaded for Singapore market.

5. From 02.01.2013 the Diesel price in Arab Gulf Market is for 0.05% Sulphur, for earlier years the priced is for 0.5% Sulphur.

Source: International Trade Department, IOCL & PPAC.

IV. 3(a). Weighted Average Crude Oil Prices

(Figures in Rs./MT)

Year		Basic Price	Royalty	OID Cess	Sales Tax/VAT/CST
1	2	3	4	5	6
2007-08	Offshore crude	26668	2224	2500	869
	Onshore crude	24433	3707	2500	940
	Offshore and Onshore crude	25913	2714	2500	893
2008-09	Offshore crude	30507	2568	2500	878
	Onshore crude	28354	4335	2500	1091
	Offshore and Onshore crude	29796	3152	2500	948
2009-10	Offshore crude	26187	2128	2500	722
	Onshore crude	24233	3670	2500	931
	Offshore and Onshore crude	25530	2633	2500	791
2010-11	Offshore crude	31525	2664	2500	846
	Onshore crude	28829	4411	2500	1109
	Offshore and Onshore crude	30614	3255	2500	935
2011-12	Offshore crude	42902	3636	2500/4500*	1356
	Onshore crude	41143	6327	2500/4500*	1932
	Offshore and Onshore crude	42293	4567	2500/4500*	1555
2012-13	Offshore crude	46134	3933	4500	1385
	Onshore crude	43656	6728	4500	2034
	Offshore and Onshore crude	45295	4880	4500	1605
2013-14	Offshore crude	49911	4235	4500	1654
	Onshore crude	45600	7037	4500	2128
	Offshore and Onshore crude	48504	5149	4500	1809

Notes:

1. Basic Price is all inclusive gross (pre-discount) price and linked to international crude price, though ONGC net price realization has been lower due to sharing of under-recoveries of OMCs by extending discount , as per the directives of MoPNG.

2. VAT/CST and Royalty are worked out based on Gross (Pre-discount) Price. However, the above levies are actually paid on post-discount) Price .

3. Royalty and OID Cess are production levies and are part of cost.

4. NCCD @ Rs. 50/MT and Education Cess @ 3% on OID Cess and NCCD are also paid crude oil.

Source: ONGC

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

(Figures in Rs./'ooo' cubic metre)

Effective Date	Consumer Prices		Producer Prices			Calorific Value (K. Cal / SCM)
	Off-shore (Landfall point) and On-shore	For North-Eastern States	ONGC	ONGC (NE states)	OIL (NE states)	
1	2	3	4	5	6	7
01.01.2005	2850	1700	2143	1700	1900	10000
01.04.2005	2850	1700	2384	1700	1900	10000
01.07.2005	3200	1920	3168	1920	3168	10000
01.10.2005	3200	1920	3137	1920	3137	10000
01.01.2006	3200	1920	3118	1920	3118	10000
01.04.2006	3200	1920	3200	1920	3200	10000
01.04.2007	3200	1920	3200	1920	3200	10000
01.04.2008	3200	1920	3200	1920	3200	10000
01.04.2009	3200	1920	3200	1920	3200	10000
01.04.2010	3200	1920	3200	1920	3200	10000
01.04.2011	7499	4499	7498	7498	7499	10000
01.04.2012	8387	5032	8387	8387	8387	10000
01.04.2013	9067	5440	9067	9067	9067	10000
01.04.2014	10168	6101	10168	10168	10168	10000

Notes:

1. Above Price of gas upto 31.05.2010 was exclusive of royalty/levies.
2. w.e.f 01.06.2010, GOI has revised the Producer Price of Natural gas to USD 4.2/MMBTU. Consumer price for NE state is 60% of the producer price.
3. From 01.04.2011 onwards, Consumer Price/Producer price ason 01st April in INR is worked out considering average FE Rate (RBI Reference Rate) of March.
4. Price as on 01.04.2014 is based average RBI reference rate during March,2014 & inclusive of royalty.

Source: ONGC, OIL

IV.4 Subsidies provided under Budget of Government of India

Sector	Actuals 2007-08	Actuals 2008-09	Actuals 2009-10	Actuals 2010-11	Actuals 2011-12	Actuals 2012-13	Budget 2013-14	Revised 2013-14	Budget 2014-15
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
				(in Rs. Crore)					
1. Food Subsidy	31328.00	43751.00	58443.00	63843.79	72822.07	85000.00	90000.00	92000.00	115000.00
2. Fertilisers									
(i) Indigenous (Urea) Fertilisers	12950.00	17969.00	17580.00	15080.73	20208.00	20000.00	21000.00	26500.00	31000.00
(ii) Imported (Urea) Fertilisers	6606.00	10079.00	4603.00	6453.91	13716.12	15132.46	15544.64	12044.64	12300.00
(iii) Sale of decontrolled fertiliser with concession to Farmers	12934.00	48555.00	39081.00	40766.57	36088.58	30480.35	29426.86	29426.86	24670.30
Total Fertiliser Subsidy	**32490.00**	**76603.00**	**61264.00**	**62301.21**	**70012.70**	**65612.81**	**65971.50**	**67971.50**	**67970.30**
3. Petroleum Subsidy	***2820.00***	***2852.28***	**14951.00**	**38371.32**	**68484.01**	**96879.87**	**65000.00**	**85480.00**	**63426.95**
4. Interest Subsidies	2311.00	3493.00	2686.00	4680.20	5049.45	7270.37	8061.34	8174.85	8462.88
5.Grants to NAFED for MIS/PPS	860.00	375.00							
5. Other Subsidies	1117.00	2634.00	4006.00	4223.06	1572.87	2315.55	2050.68	1889.90	847.49
Total Subsidies	**70926.00**	**129708.28**	**141350.00**	**173419.58**	**217941.10**	**257078.60**	**231083.52**	**255516.25**	**255707.62**
				(in Percentages)					
1. Food Subsidy	**44.17**	**33.73**	**41.35**	**36.81**	**33.41**	**33.06**	**38.95**	**36.01**	**44.97**
2. Fertilisers									
(i) Indigenous (Urea) Fertilisers	18.26	13.85	12.44	8.70	9.27	7.78	9.09	10.37	12.12
(ii) Imported (Urea) Fertilisers	9.31	7.77	3.26	3.72	6.29	5.89	6.73	4.71	4.81
(iii) Sale of decontrolled fertiliser with concession to Farmers	18.24	37.43	27.65	23.51	16.56	11.86	12.73	11.52	9.65
Total Fertiliser Subsidy	**45.81**	**59.06**	**43.34**	**35.93**	**32.12**	**25.52**	**28.55**	**26.60**	**26.58**
3. Petroleum Subsidy	**3.98**	**2.20**	**10.58**	**22.13**	**31.42**	**37.68**	**28.13**	**33.45**	**24.80**
4. Interest Subsidies	3.26	2.69	1.90	2.70	2.32	2.83	3.49	3.20	3.31
5. Other Subsidies	1.57	2.03	2.83	2.44	0.72	0.90	0.89	0.74	0.33
Total	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**

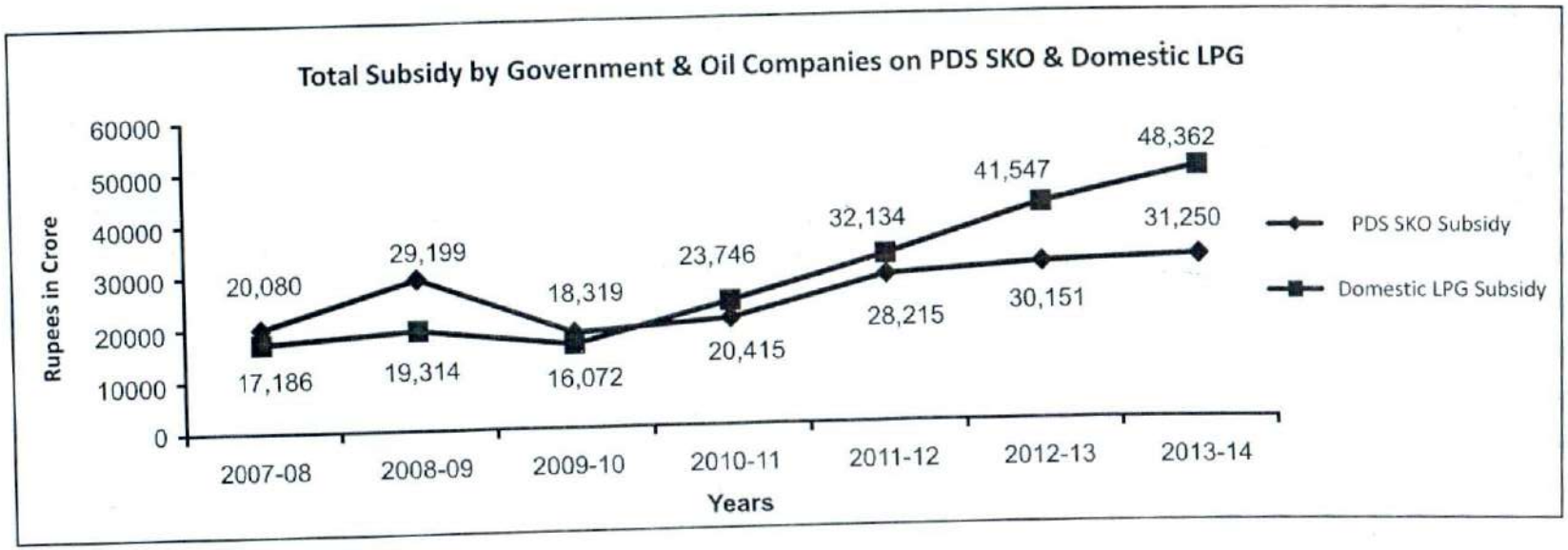
Sources: Expenditure Budget 2014-15 (Vol.-I)

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

(Value in Rs. Crore)

Years	PDS SKO			Domestic LPG			Total (Subsidy Under Recoveries)
	Fiscal Subsidy*	Under Recoveries to Oil Company	Total	Fiscal Subsidy*	Under Recoveries to Oil Company	Total	
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*
2007-08	978.00	19101.53	20079.53	1663.00	15522.72	17185.72	37265.25
2008-09	974.00	28225.41	29199.41	1714.00	17599.78	19313.78	48513.19
2009-10	955.60	17363.66	18319.26	1814.38	14257.29	16071.67	34390.93
2010-11	930.64	19484.42	20415.06	1973.62	21772.28	23745.90	44160.96
2011-12	862.70	27352.13	28214.83	2137.30	29996.75	32134.05	60348.88
2012-13	741.00	29409.81	30150.81	1989.00	39558.46	41547.46	71698.27
2013-14	676.00	30574.47	31250.47	1904.00	46457.78	48361.78	79612.25

Source: Budget document and Petroleum Planning & Analysis Cell



IV.5 (b). Under-Recoveries by Oil Marketing Companies on Sensitive Petroleum Products

(Value in Rs. Crore)

Products	Under-Recovery						
	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
PDS Kerosene	19,102	28,225	17,364	19485	27352	29,410	30,574
Dom. LPG	15,523	17,600	14,257	21772	29997	39,558	46,458
Petrol	7,332	5,181	5,151	2227**	**	**	**
Diesel	35,166	52,286	9,279	34706	81192	92,061	62,837
Total	**77,123**	**1,03,292**	**46,051**	**78190**	**138541**	**1,61,029**	**139869**

**: Under recovery on Petrol is only upto 25th june,2010

IV.5 (c). Under Recovery and its Burden Sharing

(Value in Rs. Crore)

Items	Under-Recovery & Burden Sharing						
	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Total Under Recovery	77,123	1,03,292	46,051	78,190	1,38,541	1,61,029	1,39,869
Burden Sharing Through							
Oil Bonds/ Cash Subsidy #	35,290	71,292	26000	41000	83500	100000	70772
Borne by OMCs	16125	0	5621	6893	41	1029	2076
Upstream Companies **	25708	32000	14430	30297	55000	60000	67021

**: Oil, ONGC & GAIL *: unmet under recoveries

: Since 2009-10, cash subsidy was provided by Government in place of Oil Bonds.

Source: PPAC

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

(As on 01.04.2014)

	Delhi	Kolkata	Mumbai	Chennai
Liquefied Petroleum Gas (Domestic) (Rs./14.2 Kg Cyl)				
Current ESPP	340.56	340.56	340.56	340.56
Increase	50.00	50.00	50.00	50.00
Basic Price	340.56	340.56	340.56	340.56
State Surcharge	0.00	0.00	25.45	0.00
Freight upto Bottling Plant	1.42	2.27	0.00	0.00
Price adj Factor (PAF)	21.43	22.27	21.88	10.16
Assessable value	**363.41**	**365.10**	**387.89**	**350.72**
Excise Duty	0.00	0.00	0.00	0.00
Octroi/ ET Amount at BP	0.00	0.00	0.00	0.00
Price at Bottling Plant	**363.41**	**365.10**	**387.89**	**350.72**
State Subsidy	0.00	0.00	0.00	0.00
Freight / local delivery charges	10.00	10.00	10.00	10.00
Octroi / Transit Tax Amount at MKT	0.00	0.17	0.00	0.00
Price including Octroi	**373.41**	**375.27**	**397.89**	**360.72**
Central Sales Tax / Sales Tax Amount %	0.00	0.00	3.00	0.00
Central Sales Tax / Sales Tax Amount	0.00	0.00	11.94	0.00
Surcharge on ST/Toll Tax	0.00	0.00	0.00	0.00
Billable rate	**373.41**	**375.27**	**409.83**	**360.72**
Sub Total	**373.41**	**375.27**	**409.83**	**360.72**
Price to Dealer (14.2kg/Cyl)	373.41	375.27	409.83	360.72
Distributor commission	40.71	40.71	40.71	40.71
Price after Distributor Commission	**414.12**	**415.98**	**450.54**	**401.43**
VAT %	0.00	0.00	0.30	0.00
VAT Amount	0.00	0.00	1.22	0.00
RSP for 14.2kg/Cyl	414.12	415.98	451.76	401.43
RSP Rounded off	**414.00**	**416.00**	**451.50**	**401.00**
Motor Spirit (Rs./Kl)				
Revised ESPP	48387.71	48387.71	48387.71	48387.71
State surcharge	0.00	3170.00	2884.00	0.00
BMC Surcharge	0.00	0.00	859.00	0.00
Siding Charge	55.24	70.00	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	**48575.27**	**51897.59**	**52118.06**	**48209.21**
Basic Excise Duty	0.00	0.00	0.00	0.00
Sub Total	**48575.27**	**51897.59**	**52118.06**	**48209.21**
FDZ charges	150.00	150.00	150.00	150.00
ED+EDN Cess	9476.00	9476.00	9476.00	9476.00
Sub Total	**58201.27**	**61523.59**	**61744.06**	**57835.21**
Delivery charges beyond FDZ	0.00	97.17	0.00	0.00
Toll Tax	0.00	16.00	0.00	0.00
RPO Price	**58201.27**	**61636.76**	**61744.06**	**57835.21**
Sales Tax Rate	**20.00%**	**25.00%**	**26.00%**	**27.00%**
Sales Tax	11640.25	15409.19	16053.46	15615.51
Surcharge on ST	0.00	1000.00	1000.00	0.00
Fixed Dealer Commission	1390.15	1390.15	1390.15	1390.15
Advaloremd Dealer Commission	620.25	689.15	695.78	648.57
VAT on Dealer Commission	402.08	0.00	0.00	0.00
Retail Selling Price Rs./Kl	**72254.00**	**80125.25**	**80883.45**	**75489.44**
Retail Selling Price Rs./Litre	**72.26**	**80.13**	**80.89**	**75.49**

ESPP: Ex-Storage Point Price

Cont'd....

IV.6 Price Build-up of Selected Petroleum Products in Major Cities
(As on 01.04.2014)

	Delhi	Kolkata	Mumbai	Chennai
	High Speed Diesel (Rs./Kl)			
Ex Storage Point Price	43984.69	43984.69	43984.69	43984.69
State surcharge	0.00	1648.00	2501.00	32.00
BMC surcharge	0.00	0.00	299.00	0.00
Siding Charge w.e.f. 19.7.07	58.76	80.00	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	**44167.40**	**45914.29**	**46828.29**	**44041.48**
Basic Excise Duty	0.00	0.00	0.00	0.00
Sub Total	**44167.40**	**45914.29**	**46828.29**	**44041.48**
FDZ charges	150.00	150.00	150.00	150.00
Additional Excise Duty	0.00	0.00	0.00	0.00
Basic Excise Duty	0.00	0.00	0.00	0.00
Edn Cess	3563.80	3563.80	3563.80	3563.80
Sub Total	**47881.20**	**49628.09**	**50542.09**	**47755.28**
Delivery charges beyond FDZ	0.00	97.17	0.00	0.00
Octroi at destination	0.00	22.00	0.00	0.00
RPO Price	**47881.20**	**49747.26**	**50542.09**	**47755.28**
Pollution Cess w.e.f. 8.2.08	250.00	0.00	0.00	0.00
Sales Tax % w.e.f. 01.04.2005	12.50%	17.00%	24.00%	21.43%
Sales Tax	6164.65	8167.03	12130.10	10233.96
Surcharge on ST	0.00	1000.00	0.00	0.00
Dealer Commission	1186.00	1186.00	1186.00	1186.00
Retail Selling Price Rs./Kl	**55481.85**	**60100.29**	**63858.19**	**59175.24**
Retail Selling Price Rs./Litre	**55.49**	**60.11**	**63.86**	**59.18**
	Superior Kerosene Oil(Rs./Kl)			
Ex-storage point price	12822.00	12822.00	12822.00	12822.00
State surcharge	0.00	0.00	443.00	1309.00
BMC surcharge	0.00	0.00	62.00	0.00
Past Dues -Surcharge	0.00	0.00	333.00	0.00
Siding charges	0.00	0.00	0.00	0.00
Rly / PL / Ocean / Freight	130.49	19.37	0.00	0.00
Other State Levies	0.00	0.00	0.00	(1772.00)
Assessable value	**12952.49**	**12841.37**	**13660.00**	**12359.00**
Entry tax amount / TN Rebate	0.00	0.00	0.00	0.00
Sales Tax %	5.00%	0.00%	3.00%	5.00%
Sales Tax	647.62	0.00	409.80	617.95
Surcharge on Sales Amount	0.00	0.00	0.00	18.00
Ex-Ml/Depot Price/KL-OIL Co.	**13600.11**	**12841.37**	**14069.80**	**12994.95**
Ex-Ml/Depot Price/KL-ST. Govt.	**13600.11**	**12841.37**	**14069.80**	**12994.95**
Wholesales Margin	438.24	438.24	438.24	170.00
Wholesalers Extra Ordinary Margin	0.00	0.00	99.00	0.00
Transport charges	675.23	458.30	280.71	128.71
Toll Tax	0.00	0.00	70.00	0.00
VAT on wholesale margin	55.67	0.00	26.87	8.50
Handling Charges	0.00	128.41	7.80	0.00
Rounding Up	0.00	0.00	0.00	0.00
Wholesales Price/Kl	**14769.25**	**13866.32**	**14992.42**	**13302.16**
Retailers Margin	**179.00**	**563.00**	**231.00**	**360.00**
Handling Charges	0.00	527.32	0.00	0.00
Leakage and other Expenses	0.00	0.00	0.00	0.00
Retailer Transportation	0.00	295.18	0.00	40.00
VAT on wholesale margin	8.95	0.00	7.50	0.00
Retail Extraordinary Commission	0.00	0.00	19.00	0.00
Retail Selling Price Rs./Kl	**14957.20**	**15251.82**	**15249.92**	**13702.16**
Retail Selling Price Rs./Litre	**14.96**	**15.25**	**15.25**	**13.70**

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

Cont'd....

IV.6 Price Build-up of Selected Petroleum Products in Major Cities (As on 01.04.2014)

	Delhi	Kolkata	Mumbai	Chennai
ATF (Domestic Airlines)*				
Basic price	49860.00	50630.00	49990.00	50400.00
Inland differential	570.00	0.00	0.00	0.00
State surcharge	1106.00	3750.00	1230.00	1106.00
Freight	479.05	924.59	100.00	277.53
Siding charges	76.35	0.00	0.00	0.00
Marketing cost	3177.34	5489.23	3510.00	4311.39
MSL cost	293.00	293.00	293.00	293.00
Assessable value	**55561.74**	**61086.82**	**55123.00**	**56387.92**
Excise Duty	8.00	8.00	8.00	8.00
Excise Duty	4444.94	4886.95	4409.84	4511.03
Education Cess @3% on ED	133.35	146.61	132.30	135.33
Toll Tax	0.00	0.00	0.00	0.00
Posted Airfield Price per KL	**60140.03**	**66120.37**	**59665.14**	**61034.28**
Sales Tax Rate	20.00	25.00	25.00	29.00
Sales Tax Amount	12028.01	16530.09	14916.28	17699.94
Surcharge on Sales Tax- Rate	0.00	0.00	0.00	0.00
Surcharge on Sales Tax- Rate	0.00	0.00	0.00	0.00
Final Selling Price Per KL	**72168.03**	**82650.47**	**74581.42**	**78734.23**
Furnace Oil (Rs./Kl)				
Ex-storage point price		40790.00	39920.00	40500.00
State surcharge		938.00	1085.00	938.00
Notional railway freight		509.19	0.00	0.00
Siding / shunting charges		80.00	0.00	0.00
Assessable value		**42317.19**	**41005.00**	**41438.00**
Excise duty + edu cess		6102.14	5912.92	5975.36
Total inclusive of excise duty + edu cess		**48419.33**	**46917.92**	**47413.36**
Sales tax		2420.97	5864.74	2370.67
Total		**50840.30**	**52782.66**	**49784.03**
Light Diesel Oil (Rs./Kl)				
Ex-storage point price	52150.00	52150.00	52150.00	52150.00
State surcharge	834.00	1484.00	965.00	834.00
Notional railway freight	372.13	1786.97	0.00	0.00
Siding Dest.	83.03	80.00	0.00	0.00
Assessable value	**53439.16**	**55500.97**	**53115.00**	**52984.00**
Excise duty + edu cess	7705.93	8003.24	7659.18	7640.29
Additional levy along with cess	2575.00	2575.00	2575.00	2575.00
Total inclusive of excise duty + edu cess	**63720.09**	**66079.21**	**63349.18**	**63199.29**
Sales tax	7965.01	11233.47	7918.65	15799.82
Discount on Sales Tax	0.00	0.00	0.00	0.00
State Development Tax	250.00	0.00	0.00	0.00
Total	**71935.10**	**77312.68**	**71267.83**	**78999.11**

Source: IOCL Price Build-up

ATF price is exclusive of sales tax and other levies

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

Price as on	Delhi	Kolkata	Mumbai	Chennai
	Motor Spirit (Rs./Litre)			
01.04.2007	42.85	46.90	48.41	47.48
01.04.2008	45.52	48.95	50.51	49.61
01.04.2009	40.62	44.05	44.55	44.24
01.04.2010	47.93	51.67	52.20	52.13
01.04.2011	58.37	62.51	63.08	61.93
01.04.2012	65.64	70.02	70.65	69.55
01.04.2013	68.30	75.78	75.20	71.42
01.04.2014	72.26	80.13	80.89	75.49
	High Speed Diesel Oil (Rs./Litre)			
01.04.2007	30.25	32.88	34.96	33.31
01.04.2008	31.76	33.92	36.08	34.40
01.04.2009	30.86	32.92	34.45	32.82
01.04.2010	38.10	37.99	39.88	38.05
01.04.2011	37.75	40.06	42.06	40.16
01.04.2012	40.91	43.73	45.27	43.95
01.04.2013	48.63	52.85	54.87	51.77
01.04.2014	55.49	60.11	63.86	59.18
	Superior Kerosene Oil (Rs./Litre)*			
01.04.2007	9.09	9.29	9.05	8.39
01.04.2008	9.09	9.30	9.10	8.39
01.04.2009	9.22	9.75	9.10	8.39
01.04.2010	9.32	9.62	9.13	8.41
01.04.2011	9.10	9.75	9.22	8.39
01.04.2012	14.82	14.84	14.38	13.54
01.04.2013	14.96	14.84	14.71	13.69
01.04.2014	14.96	15.25	15.25	13.70
	Liquefied Petroleum Gas (Rs./14.2 Kg Cylinder)			
01.04.2007	294.75	300.50	298.00	288.10
01.04.2008	294.75	300.50	298.00	288.10
01.04.2009	279.70	327.25	312.05	314.55
01.04.2010	310.35	328.70	313.45	315.95
01.04.2011	345.35	365.10	348.45	352.35
01.04.2012	399.00	405.00	414.00	393.50
01.04.2013	410.50	412.50	437.50	398.00
01.04.2014	414.00	416.00	451.50	401.00

*: Prices for Public Distribution System.

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

Effective	MS	HSD	Effective	LPG (Packed Domestic)	
	(Rs/Kilolitre)			14.2 Kg	5Kg
				(Rs./Cylinder)	
1	2	3	4	5	6
01.04.2004	707	425	01.04.2004	16.71	8.60
21.06.2005	778	467	-	-	-
01.08.2005	848	509	-	-	-
01.03.2007	894	529	01.03.2007	19.05	9.81
16.05.2007	1024	600	-	-	-
23.05.2008	1052	631	04.06.2008	20.54	10.58
27.10.2009	1125	673	30.06.2009	21.94	11.30
07.09.2010	1218	757	-	-	-
01.07.2011	1499	912	01.07.2011	25.83	13.30
27.10.2012	1794	1089	07.10.2012	37.25	18.63
21.12.2013	Rs. 1390/KL+ 0.883% of Product Billable price	1186	11.12.2013	40.71	20.36

Notes:

(i) : 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.

(ii) The service tax component of LFR of Rs.4/- per/KL on MS and HSD is also recovered from dealers w.e.f. 27th Oct.2009 & increased to Rs.5/KL eff. 27.10.2012

Consumption

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

(Calendar Year-wise)*

(Figures in '000' Tonnes)

Products	2007	2008	2009	2010	2011	2012	2013*	% to Total	% Growth
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
Light Distillates	**26344.00**	**28239.00**	**28835.00**	**31150.00**	**34057.28**	**36320.05**	**38426.60**	**24.4**	**5.80**
LPG	11228.00	11860.00	12402.00	13592.00	14761.68	15255.06	15492.55	9.9	1.56
Mogas	9561.00	10821.00	11964.00	13642.00	14442.20	15279.02	16506.38	10.5	8.03
Naphtha	5049.00	5184.00	3904.00	3292.00	4196.38	4824.71	5371.93	3.4	11.34
Others	506.00	374.00	565.00	624.00	657.02	961.27	1055.75	0.7	9.83
Middle Distillates	**59080.00**	**65627.00**	**68541.00**	**72361.00**	**77752.18**	**82237.04**	**81790.19**	**52.0**	**-0.54**
SKO	9372.00	9313.00	9345.00	9000.00	8434.48	7654.69	7249.40	4.6	-5.29
ATF	4398.00	4492.00	4587.00	4821.00	5324.10	5135.29	5259.00	3.3	2.41
HSDO	44112.00	50796.00	53585.00	57608.00	63061.86	68581.51	68496.71	43.6	-0.12
LDO	671.00	611.00	528.00	439.00	441.72	392.09	383.87	0.2	-2.10
Others	526.00	415.00	495.00	493.00	490.01	473.46	401.20	0.3	-15.26
Heavy Ends	**18717.00**	**18531.00**	**18394.00**	**16716.00**	**16320.65**	**14939.52**	**13993.68**	**8.9**	**-6.33**
Furnace Oil	8288.00	7940.00	8164.00	7768.00	6623.61	5459.87	4753.45	3.0	-12.94
LSHS	3306.00	3241.00	2739.00	2040.00	1848.87	1541.19	582.11	0.4	-62.23
Lubes/Greases	1057.00	1022.00	1192.00	1210.00	1199.69	1209.06	1257.74	0.8	4.03
Bitumen/Asphalt	4308.00	4487.00	4458.00	3963.00	4325.46	4296.59	4543.37	2.9	5.74
Petroleum Coke	1150.00	1174.00	1236.00	1146.00	1639.64	1739.64	2153.93	1.4	23.81
Wax	70.00	67.00	68.00	69.00	65.02	56.32	51.33	0.0	-8.85
Others	538.00	600.00	537.00	520.00	618.36	636.85	651.75	0.4	2.34
Total PSU Sales	**104141.00**	**112397.00**	**115771.00**	**120227.00**	**128130.11**	**133496.61**	**134210.47**	**85.3**	**0.53**
Pvt Sales	**22048.00**	**20159.00**	**21652.00**	**19462.00**	**18008.94**	**12781.60**	**14306.59**	**9.1**	**11.93**
Total Sales	**126189.00**	**132556.00**	**137423.00**	**139689.00**	**146139.05**	**146278.22**	**148517.07**	**94.4**	**1.53**
Pvt Imports	**@**	**@**	**@**	**@**	**@**	**8401.92**	**8734.27**	**5.6**	**3.96**
Total Consumption	**126189.00**	**132556.00**	**137423.00**	**139689.00**	**146139.05**	**154680.14**	**157251.34**	**100.0**	**1.66**
Refinery fuel and losses (RBF)	**12008.53**	**12442.09**	**14213.06**	**16166.26**	**17072.09**	**18167.90**	**17556.86**		**-3.36**
Grand Total	**138197.53**	**144998.09**	**151636.06**	**155855.26**	**163211.14**	**172848.04**	**174808.20**		**1.13**
% Growth	**15.07**	**5.05**	**3.67**	**1.65**	**4.62**	**5.84**	**1.66**		

Note: Growth Rate in 2013 over 2012.

* : Figures reconciled for previous years, provisional for 2013.

@ :Private Consumption in the year 2007,2008, 2009, 2010 & 2011 includes Private Imports also.

Source: Petroleum Planning & Analysis Cell.

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

(Financial Year-wise)*

(Figures in '000' Tonnes)

Products	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	% to Total	% Growth
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
Light Distillates	**38401.41**	**39724.62**	**38995.93**	**41444.10**	**43869.92**	**46272.62**	**47748.61**	**30.18**	**3.19**
LPG	12009.60	12191.12	13135.40	14331.40	15349.70	15600.70	16335.50	10.33	4.71
Motor Spirit	10331.96	11257.77	12818.29	14194.40	14992.40	15743.90	17127.60	10.83	8.79
Naphtha+NGL	13293.86	13910.73	10134.25	10676.30	11221.50	12289.40	11454.20	7.24	-6.80
Others	2766.00	2365.00	2908.00	2242.00	2306.32	2638.62	2831.31	1.79	7.30
Middle Distillates	**62822.41**	**66376.68**	**71121.29**	**75029.60**	**79415.00**	**82700.15**	**81838.10**	**51.73**	**-1.04**
SKO	9364.53	9302.87	9304.14	8927.80	8228.70	7501.50	7164.90	4.53	-4.49
ATF	4542.69	4423.20	4627.34	5078.40	5536.10	5270.50	5504.60	3.48	4.44
HSDO	47668.72	51710.36	56242.37	60071.10	64750.00	69079.90	68368.70	43.22	-1.03
LDO	667.47	552.26	457.44	455.30	414.80	398.50	386.10	0.24	-3.11
Others	579.00	390.00	490.00	497.00	485.40	449.75	413.80	0.26	-7.99
Heavy Ends	**27722.30**	**27495.45**	**27690.59**	**24566.60**	**24847.18**	**28083.93**	**28609.89**	**18.09**	**1.87**
Furnace Oil	9469.32	9419.06	9144.62	8807.20	7547.46	6290.41	5744.58	3.63	-8.68
LSHS	3248.00	3169.00	2484.00	1982.00	1759.14	1365.99	448.72	0.28	-67.15
Fuel Oil	12717.32	12588.06	11628.62	10789.20	9306.60	7656.40	6193.30	34.66	-19.11
Lubes/Greases	2290.07	2000.00	2539.19	2429.20	2632.60	3196.00	2890.80	1.83	-9.55
Bitumen	4505.91	4746.83	4934.07	4535.60	4638.10	4676.00	4937.70	3.12	5.60
Petroleum Coke	5949.60	6165.60	6586.30	4982.40	6137.70	10134.80	11651.40	7.37	14.96
Waxes	306.00	281.00	289.00	254.00	269.00	194.37	259.38	0.16	33.44
Others	1953.40	1713.97	1713.40	1576.20	1863.18	2226.36	2677.31	1.69	20.26
Total Consumption	**128946.12**	**133598.75**	**137807.81**	**141040.30**	**148132.10**	**157056.70**	**158196.60**		**0.73**
Refinery fuel and losses (RBF)	**12187.08**	**12359.34**	**15116.05**	**16381.31**	**17294.72**	**18347.20**	**17867.55**		**-2.61**
Grand Total	**141133.20**	**145958.09**	**152923.86**	**157421.61**	**165426.82**	**175403.90**	**176064.15**		**0.38**
% Growth	**6.85**	**3.61**	**3.15**	**2.35**	**5.03**	**6.02**	**0.73**		

Notes: 1. Consumption includes sales by oil companies, own consumption & direct private imports.

2. Growth Rate in 2013-14 over 2012-13. * : Figures reconciled for previous years, provisional for 2013-14

Source: Petroleum Planning & Analysis Cell.

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

(Figures in '000' Tonnes)

Products	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14*	% Growth
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*10*
				A. PUBLIC SECTOR				
Light Distillates	**26695**	**28943**	**29068**	**32154**	**34441**	**36916**	**39259**	**6.3**
LPG	11482	11927	12740	13901	14929	15202	15925	4.8
Motor Spirit	9875	11169	12603	13895	14724	15458	16726	8.2
Naphtha+NGL	4912	5471	3106	3704	4139	5197	5567	7.1
Others	425	376	618	654	650	1059	1040	-1.7
Middle Distillates	**61536**	**65936**	**69797**	**73606**	**79160**	**82464**	**81464**	**-1.2**
SKO	9365	9303	9304	8928	8229	7502	7165	-4.5
ATF	4522	4363	4551	4961	5369	5089	5304	4.2
HSDO	46443	51328	54994	58765	64662	69025	68196	-1.2
LDO	667	552	457	455	415	399	386	-3.1
Others	539	390	490	497	485	450	414	-8.0
Heavy Ends	**18912**	**18615**	**17913**	**16734**	**15931**	**14718**	**13707**	**-6.9**
Furnace Oil	8247	8004	7981	7713	6191	5250	4718	-10.1
LSHS	3248	3169	2484	1982	1759	1366	449	-67.2
Lubes/Greases	1129	1015	1239	1216	1206	1222	1217	-0.4
Bitumen/Asphalt	4471	4516	4342	4067	4322	4372	4504	3.0
Petroleum Coke	1198	1224	1273	1147	1757	1807	2133	18.0
Paraffin Wax	80	65	62	69	61	54	53	-1.4
Others	539	623	532	540	635	647	632	-2.4
Total (A)	**107142**	**113493**	**116777**	**122494**	**129532**	**134098**	**134431**	**0.2**
				B. PRIVATE SECTOR				
Light Distillates	**11862**	**10935**	**10156**	**9289**	**9429**	**9356**	**8490**	**-9.3**
LPG	683	418	395	430	421	398	411	3.1
Motor Spirit	456	89	216	299	268	286	401	40.3
Naphtha / NGL	8382	8439	7029	6972	7083	7092	5887	-17.0
Others	2341	1989	2516	1588	1656	1580	1791	13.4
Middle Distillates	**1287**	**443**	**1324**	**1423**	**255**	**237**	**374**	**57.9**
ATF	21	60	76	117	167	182	201	10.6
HSDO	1226	383	1248	1306	88	55	173	213.6
Others	41	0	0	0	0	0	0	0.0
Heavy Ends	**8656**	**8728**	**9551**	**7834**	**8917**	**13367**	**14903**	**11.5**
Furnace Oil	1222	1415	1164	1094	1357	1041	1026	-1.4
Lubes/Greases	1161	986	1300	1213	1427	1974	1674	-15.2
Bitumen/Asphalt	35	231	592	469	316	304	434	42.6
Petroleum Coke	4752	4942	5313	3835	4381	8328	9518	14.3
Paraffin Wax			NA			140	153	8.8
Other Waxes			NA			0	53	0.0
Others	1486	1155	1182	1223	1436	1579	2046	29.5
Total (B)	**21804**	**20106**	**21031**	**18546**	**18601**	**22959**	**23766**	**3.5**
TOTAL (A+B)	**128946**	**133599**	**137808**	**141040**	**148132.2**	**157057**	**158197**	**0.7**

Note: Private data includes sales by private oil companies, own consumption & direct Pvt Imports

NA: Not Available

Source: Petroleum Planning & Analysis Cell.

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

(Figures in '000' Tonnes)

Sector	2007-08		2008-09		2009-10		2010-11		2011-12		2012-13		2013-14*	
	Cons	% to Total	Cons	% to Total	Cons	% to Total	Cons	% to Total	Cons	% to Total	Cons	% to Total	Cons	% to Total
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*	*14*	*15*
						LPG								
1 Domestic Distribution	10299.45	85.76	10637.46	87.25	11364.33	86.52	12368.68	86.30	13295.91	86.62	13568.03	86.97	14411.58	88.22
2 Industry/Commercial	573.40	4.77	706.17	5.79	872.42	6.64	984.88	6.87	1068.54	6.96	1167.58	7.48	1073.59	6.57
3 Transport	201.84	1.68	181.95	1.49	225.28	1.72	223.94	1.56	223.68	1.46	214.78	1.38	194.97	1.19
i) Auto LPG	200.90	1.67	181.16	1.49	224.52	1.71	223.01	1.56	222.84	1.45	214.00	1.37	194.27	1.19
ii) Railways	0.94	0.01	0.79	0.01	0.76	0.01	0.93	0.01	0.84	0.01	0.78	0.00	0.70	0.00
4 Power Generation	0.00	0.00	0.09	0.00	0.14	0.00	0.08	0.00	0.00	0.00	0.00	0.00	2.57	0.02
5 Agriculture Sector	0.00	0.00	1.33	0.01	3.57	0.03	2.37	0.02	4.76	0.03	3.73	0.02	3.95	0.02
6 Mining	0.00	0.00	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7 Manufacturing (Bulk LPG)	113.17	0.94	119.29	0.98	141.78	1.08	165.15	1.15	186.30	1.21	144.78	0.93	134.75	0.82
i) Chemicals	6.39	0.05	7.10	0.06	7.88	0.06	8.34	0.06	19.74	0.13	11.32	0.07	5.42	0.03
ii) Engineering	0.02	0.00	0.02	0.00	0.56	0.00	0.66	0.00	1.19	0.01	1.95	0.01	1.52	0.01
iii) Electronics	9.81	0.08	10.01	0.08	9.92	0.08	14.00	0.10	11.44	0.07	10.36	0.07	7.09	0.04
iv) Mechanical	9.48	0.08	9.65	0.08	11.14	0.08	14.55	0.10	23.34	0.15	18.57	0.12	14.86	0.09
v) Metallurgical	67.40	0.56	57.78	0.47	82.83	0.63	93.32	0.65	97.02	0.63	77.95	0.50	84.50	0.52
vi) Textiles	1.67	0.01	2.01	0.02	2.51	0.02	2.78	0.02	2.39	0.02	2.12	0.01	2.87	0.02
vii) Industrial Goods)	18.40	0.15	32.72	0.27	26.94	0.21	31.50	0.22	31.18	0.20	22.51	0.14	18.49	0.11
8 Resellers/Retail	**	**	**	**	**	**	**	**	**	**	58.58	0.38	57.77	0.35
9 Miscellaneous (Bulk)	145.68	1.21	135.77	1.11	132.94	1.01	156.77	1.09	149.61	0.97	44.69	0.29	45.97	0.28
Total Sales	**11333.54**	**94.37**	**11782.27**	**96.65**	**12740.46**	**96.99**	**13901.87**	**97.00**	**14928.80**	**97.26**	**15202.17**	**97.45**	**15925.15**	**97.49**
10 Pvt Imports	676.00	5.63	409.00	3.35	394.96	3.01	430.00	3.00	420.84	2.74	398.47	2.55	410.68	2.51
Total Consumption	**12009.54**	**100.00**	**12191.27**	**100.00**	**13135.42**	**100.00**	**14331.87**	**100.00**	**15349.64**	**100.00**	**15600.64**	**100.00**	**16335.83**	**100.00**
						NAPHTHA								
1 Fertilizers Sector	1689.00	12.70	1803.00	12.96	844.40	8.33	892.22	8.36	962.25	8.58	897.96	7.31	515.50	4.50
2 Petrochemicals Sector	6048.00	45.49	5889.02	42.34	6967.60	68.75	7500.00	70.25	8140.82	72.55	9412.21	76.59	9619.50	83.98
3 Power Sector	753.00	5.66	1147.11	8.25	639.25	6.31	419.33	3.93	187.36	1.67	342.01	2.78	215.11	1.88
4 Steel Plants	54.00	0.41	70.87	0.51	2.51	0.02	0.01	0.00	0.19	0.00	0.00	0.00	0.00	0.00
5 Others	332.00	2.50	693.38	4.98	559.96	5.53	154.24	1.44	163.24	1.45	203.04	1.65	240.10	2.10
Total Sales	**8876.00**	**66.77**	**9603.38**	**69.04**	**9013.72**	**88.94**	**8965.80**	**83.98**	**9453.86**	**84.25**	**10855.21**	**88.33**	**10590.21**	**92.46**
6 Pvt Imports	4417.00	33.23	4307.00	30.96	1120.50	11.06	1710.00	16.02	1767.66	15.75	1434.16	11.67	864.10	7.54
Total Consumption	**13294.00**	**100.00**	**13910.38**	**100.00**	**10134.22**	**100.00**	**10675.80**	**100.00**	**11221.52**	**100.00**	**12289.37**	**100.00**	**11454.31**	**100.00**

cont....

* : Figures reconciled for previous years, provisional for 2013-14

** includes in miscellaneous

Source: PPAC's Oil Industry Sales Statistics

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

(Figures in '000' Tonnes)

Sector	2007-08		2008-09		2009-10		2010-11		2011-12		2012-13		2013-14*	
	Cons	% to Total	Cons	% to Total	Cons	% to Total	Cons	% to Total	Cons	% to Total	Cons	% to Total	Cons	% to Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
						SKO (Kerosene)								
1 Domestic	9163.00	97.84	9131.20	98.16	9101.00	97.82	8722.00	97.69	8045.00	97.82	7349.04	97.97	7349.00	97.97
2 Commercial/Industry	185.00	1.98	43.10	0.46	69.00	0.74	67.00	0.75	61.00	0.74	37.18	0.50	37.00	0.49
3 Others	17.00	0.18	128.30	1.38	134.00	1.44	139.00	1.56	123.00	1.44	115.28	1.54	115.00	1.53
Grand Total	**9365.00**	100.00	**9302.60**	**100.00**	**9304.00**	**100.00**	**8928.00**	**100.00**	**8229.00**	**100.00**	**7501.50**	**100.00**	**7501.00**	**100.00**
						HSDO								
1 Transport	5002.82	10.49	5292.62	10.24	5364.57	9.54	5416.64	9.02	5528.77	8.54	5159.93	7.47	3203.10	4.69
i) Road Transport	2345.42	4.92	2379.49	4.60	2434.27	4.33	2483.41	4.13	2558.39	3.95	2207.17	3.20	205.85	0.30
ii) Aviation	2.85	0.01	1.75	0.00	1.71	0.00	1.01	0.00	1.37	0.00	1.36	0.00	1.23	0.00
iii) Shipping	618.80	1.30	745.21	1.44	667.91	1.19	561.34	0.93	539.75	0.83	413.09	0.60	365.21	0.53
iv) Railways	2035.76	4.27	2166.17	4.19	2260.68	4.02	2370.88	3.95	2429.26	3.75	2538.31	3.67	2630.80	3.85
2 Agriculture	**503.99**	1.06	**490.31**	0.95	**593.84**	1.06	**615.64**	1.02	**683.59**	1.06	**617.31**	0.89	**429.24**	0.63
3 Power Generation	**312.83**	0.66	**336.13**	0.65	**303.24**	0.54	**165.78**	0.28	**168.20**	0.26	**214.34**	0.31	**204.42**	0.30
4 Mining & Quarrying	**924.66**	1.94	**1024.88**	1.98	**1247.50**	2.22	**1365.86**	2.27	**1180.72**	1.82	**1073.28**	1.55	**873.12**	1.28
5 Manufacture Industry	1241.18	2.60	1309.51	2.53	1501.82	2.67	1440.04	2.40	1649.15	2.55	1627.59	2.36	686.93	1.00
i) Iron & Steel(Metallurg	202.30	0.42	210.40	0.41	220.49	0.39	239.08	0.40	290.38	0.45	263.03	0.38	153.83	0.22
ii) Textile	103.00	0.22	92.40	0.18	171.80	0.31	187.80	0.31	156.23	0.24	241.77	0.35	46.33	0.07
iii) Cement	129.35	0.27	148.73	0.29	192.31	0.34	211.56	0.35	226.18	0.35	213.02	0.31	124.68	0.18
iv) Ceramic & Glass	15.31	0.03	20.36	0.04	18.90	0.03	17.07	0.03	20.58	0.03	62.09	0.09	5.50	0.01
v) Chemicals & Allied	84.14	0.18	108.03	0.21	167.13	0.30	135.42	0.23	153.11	0.24	183.20	0.27	103.38	0.15
vi) Aluminium	7.54	0.02	6.22	0.01	10.22	0.02	15.43	0.03	20.83	0.03	26.37	0.04	28.19	0.04
vii) Civil Engineering	416.01	0.87	451.73	0.87	421.77	0.75	357.37	0.59	418.62	0.65	316.08	0.46	68.32	0.10
viii) Elec./Electronics	23.56	0.05	26.08	0.05	36.76	0.07	35.16	0.06	38.62	0.06	54.17	0.08	26.48	0.04
ix) Mechanical	124.73	0.26	96.94	0.19	112.61	0.20	106.08	0.18	200.29	0.31	137.56	0.20	70.08	0.10
x) Fertilizers	8.36	0.02	8.91	0.02	8.07	0.01	7.62	0.01	10.06	0.02	8.62	0.01	14.83	0.02
xi) Other Consumer &	126.89	0.27	139.68	0.27	141.77	0.25	127.45	0.21	114.24	0.18	121.67	0.18	45.30	0.07
6 Resellers/Retail	**	**	**	**	**	**	48703.92	81.08	53207.80	82.17	58021.31	83.99	61464.81	89.90
7 Miscellaneous	39651.75	83.18	43195.33	83.53	47136.95	83.81	2170.00	3.61	2262.00	3.49	2319.63	3.36	1425.67	2.09
Total	**47637.23**	**99.93**	**51648.78**	**99.88**	**56147.93**	**99.83**	**59877.88**	**99.68**	**64680.24**	**99.89**	**69033.39**	**99.93**	**68287.28**	**99.88**
8 Pvt Imports	31.49	0.07	61.58	0.12	94.44	0.17	193.14	0.32	69.74	0.11	46.66	0.07	81.42	0.12
Total Consumption	**47668.72**	100.00	**51710.36**	**100.00**	**56242.37**	**100.00**	**60071.03**	**100.00**	**64749.98**	**100.00**	**69080.05**	**100.00**	**68368.70**	**100.00**

* : Figures reconciled for previous years, provisional for 2013-14

** includes in miscellaneous

Source: PPAC's Oil Industry Sales Statistics

cont....

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

(Figures in '000' Tonnes)

Sector	2007-08		2008-09		2009-10		2010-11		2011-12		2012-13		2013-14*	
	Cons	% to Total	Cons	% to Total	Cons	% to Total	Cons	% to Total	Cons	% to Total	Cons	% to Total	Cons	% to Total
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*	*14*	*15*
							LDO							
1 Transport	35.54	5.32	15.11	2.74	6.27	1.37	4.91	1.08	2.54	0.61	3.08	0.77	3.85	1.00
i) Road Transport	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.02	0.01	0.65	0.17
ii) Shipping	33.19	4.97	12.97	2.35	4.49	0.98	3.79	0.83	1.70	0.41	2.15	0.54	2.43	0.63
iii) Railways	2.35	0.35	2.13	0.39	1.78	0.39	1.12	0.25	0.83	0.20	0.90	0.23	0.76	0.20
2 Agriculture	3.39	0.51	4.27	0.77	2.76	0.60	1.83	0.40	1.40	0.34	1.32	0.33	1.35	0.35
3 Power Generation	77.21	11.57	174.55	31.61	151.98	33.22	136.94	30.09	126.66	30.54	142.36	35.72	131.77	34.11
4 Mining & Quarrying	1.54	0.23	5.05	0.91	1.83	0.40	2.75	0.61	2.32	0.56	2.43	0.61	3.44	0.89
5 Manufacture Industry	200.00	29.96	171.49	31.05	143.01	31.26	127.09	27.93	101.53	24.48	73.97	18.56	63.66	16.48
i) Civil Engineering	34.06	5.10	26.32	4.77	13.13	2.87	9.47	2.08	9.15	2.21	2.83	0.71	4.21	1.09
ii) Metallurgical	112.86	16.91	91.80	16.62	73.79	16.13	71.07	15.62	61.04	14.72	46.70	11.72	40.71	10.54
iii) Textile & Fibre	4.45	0.67	1.36	0.25	1.26	0.27	1.47	0.32	1.04	0.25	0.92	0.23	1.53	0.39
iv) Cement	0.00	0.00	0.00	0.00	3.16	0.69	2.12	0.47	0.00	0.00	1.23	0.31	0.00	0.00
v) Ceramic & Glass	0.00	0.00	0.00	0.00	1.25	0.27	0.00	0.00	0.02	0.00	0.00	0.00	0.01	0.00
vi) Chemicals & Allied	16.45	2.46	16.44	2.98	18.60	4.07	16.73	3.68	11.73	2.83	10.95	2.75	10.94	2.83
vii) Aluminium	0.00	0.00	0.00	0.00	8.66	1.89	6.70	1.47	4.84	1.17	3.04	0.76	3.75	0.97
viii) Elec./Electronics	15.17	2.27	2.06	0.37	0.36	0.08	0.24	0.05	0.09	0.02	0.08	0.02	0.05	0.01
ix) Mechanical	13.35	2.00	19.69	3.56	18.57	4.06	16.51	3.63	12.64	3.05	6.96	1.75	1.32	0.34
x) Other Consumer/	3.65	0.55	13.81	2.50	4.24	0.93	2.77	0.61	0.98	0.24	1.26	0.32	1.14	0.29
6 Resellers	**	**	**	**	**	**	**	**	**	**	0.76	0.19	0.69	0.18
7 Miscellaneous	349.79	52.41	181.79	32.92	151.59	33.14	181.52	39.89	180.34	43.48	174.64	43.82	181.56	47.00
Total Sales	**667.47**	**100.00**	**552.26**	**100.00**	**457.44**	**100.00**	**455.05**	**100.00**	**414.78**	**100.00**	**398.54**	**100.00**	**386.32**	**100.00**
8 Pvt Imports	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Consumption	**667.47**	**100.00**	**552.26**	**100.00**	**457.44**	**100.00**	**455.05**	**100.00**	**414.78**	**100.00**	**398.54**	**100.00**	**386.32**	**100.00**

cont....

* : Figures reconciled for previous years, provisional for 2013-14

** includes in miscellaneous

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

(Figures in '000' Tonnes)

Sector	2007-08		2008-09		2009-10		2010-11		2011-12		2012-13		2013-14*	
	Cons	% to Total	Cons	% to Total	Cons	% to Total	Cons	% to Total	Cons	% to Total	Cons	% to Total	Cons	% to Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
						Furnace Oil (FO)								
1 1. TRANSPORT	315.01	3.33	468.54	4.97	559.94	6.12	780.13	8.86	370.96	4.91	276.66	4.40	315.34	5.49
i) Road Transport	54.85	0.58	33.53	0.36	0.22	0.00	0.09	0.00	0.67	0.01	1.35	0.02	6.15	0.11
ii) Shipping	260.17	2.75	431.06	4.58	556.60	6.09	776.15	8.81	366.92	4.86	272.70	4.34	306.74	5.34
iii) Railways	0.00	0.00	3.95	0.04	3.12	0.03	3.89	0.04	3.38	0.04	2.60	0.04	2.45	0.04
iv) Agri. Retail Trade)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2 Agriculture	0.18	0.00	55.49	0.59	67.55	0.74	70.40	0.80	70.37	0.93	79.16	1.26	74.53	1.30
3 Power Generation	280.94	2.97	748.92	7.95	687.85	7.52	822.78	9.34	646.56	8.57	586.79	9.33	535.68	9.32
4 Mining & Quarrying	0.91	0.01	34.88	0.37	22.48	0.25	7.23	0.08	45.24	0.60	12.45	0.20	38.48	0.67
5 Manufacturing Industry	1633.78	17.25	2843.14	30.18	3135.17	34.28	2773.48	31.49	2408.31	31.91	2018.99	32.10	1833.32	31.91
i) Civil Engineering	5.06	0.05	48.61	0.52	61.18	0.67	62.59	0.71	79.32	1.05	59.03	0.94	55.87	0.97
ii) Metallurgical	820.00	8.66	908.82	9.65	998.06	10.91	1100.26	12.49	710.29	9.41	602.91	9.58	549.88	9.57
iii) Textile & Fibre	14.86	0.16	70.91	0.75	139.38	1.52	80.76	0.92	52.11	0.69	37.99	0.60	57.75	1.01
iv) Cement	0.37	0.00	92.23	0.98	98.14	1.07	74.79	0.85	39.43	0.52	27.78	0.44	13.08	0.23
v) Ceramic & Glass	0.02	0.00	208.92	2.22	237.14	2.59	236.83	2.69	221.54	2.94	145.67	2.32	123.25	2.15
vi) Chemicals & Allied	298.03	3.15	359.81	3.82	364.55	3.99	310.67	3.53	287.42	3.81	221.83	3.53	201.29	3.50
vii) Aluminium	35.10	0.37	131.27	1.39	221.99	2.43	0.00	0.00	219.56	2.91	233.09	3.71	231.61	4.03
viii) Electrical	0.00	0.00	1.92	0.02	8.20	0.09	6.55	0.07	13.10	0.17	30.35	0.48	7.30	0.13
iv) Mechanical	4.53	0.05	52.47	0.56	53.50	0.58	55.05	0.63	38.04	0.50	21.95	0.35	15.24	0.27
x) Fertilizers	452.16	4.77	517.87	5.50	599.62	6.56	479.02	5.44	458.13	6.07	475.21	7.55	408.08	7.10
xi) Other Consumer/	3.65	0.04	450.30	4.78	353.43	3.86	366.96	4.17	289.38	3.83	163.17	2.59	169.99	2.96
6 Resellers	**	**	**	**	**	**	**	**	**	**	351.28	5.58	309.09	5.38
7 Miscellaneous	6399.77	67.58	4355.28	46.24	4133.55	45.20	3978.85	45.18	3300.14	43.72	2356.88	37.47	1984.69	34.55
Total Sales	**8630.58**	**91.14**	**8506.27**	**90.31**	**8606.54**	**94.11**	**8432.88**	**95.75**	**6841.58**	**90.65**	**5682.21**	**90.33**	**5091.14**	**88.62**
8 Pvt Imports	839.00	8.86	913.14	9.69	538.34	5.89	374.00	4.25	706.04	9.35	608.29	9.67	653.87	11.38
Total Consumption	**9469.58**	**100.00**	**9419.40**	**100.00**	**9144.88**	**100.00**	**8806.88**	**100.00**	**7547.62**	**100.00**	**6290.50**	**100.00**	**5745.01**	**100.00**

* : Figures reconciled for previous years, provisional for 2013-14

** includes in miscellaneous

Source: PPAC's Oil Industry Sales Statistics

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

(Figures in '000' Tonnes)

Sector	2007-08		2008-09		2009-10		2010-11		2011-12		2012-13		2013-14*	
	Cons	% to Total	Cons	% to Total	Cons	% to Total	Cons	% to Total	Cons	% to Total	Cons	% to Total	Cons	% to Total
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*	*14*	*15*
						LSHS/HHS*								
1 Agriculture	0.00	0.00	1.20	0.04	2.14	0.09	0.29	0.01	0.17	0.01	0.00	0.00	0.00	0.00
2 Power Generation	343.58	10.58	1347.25	42.52	936.45	37.70	468.57	23.64	399.19	22.69	438.98	32.14	328.14	73.13
3 Mining	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.01	0.92	0.05	0.00	0.00	0.00	0.00
4 Manufacturing Industry	1304.26	40.16	1294.18	40.84	1224.96	49.32	1031.16	52.02	1066.99	60.65	778.01	56.96	76.33	17.01
i) Civil Engineering	0.00	0.00	0.54	0.02	0.43	0.02	0.33	0.02	0.37	0.02	0.25	0.02	0.02	0.00
ii) Metallurgical	64.84	2.00	35.39	1.12	38.06	1.53	32.03	1.62	26.66	1.52	9.86	0.72	0.71	0.16
iii) Iron & Steel	0.00	0.00	40.96	1.29	31.03	1.25	40.03	2.02	56.87	3.23	52.22	3.82	58.06	12.94
iv) Textile & Fibre	0.00	0.00	2.61	0.08	2.93	0.12	0.34	0.02	0.11	0.01	0.31	0.02	0.00	0.00
v) Cement	0.00	0.00	0.76	0.02	6.88	0.28	2.79	0.14	0.75	0.04	0.61	0.04	0.04	0.01
vi) Chemicals & Allied	33.54	1.03	51.63	1.63	28.68	1.15	22.33	1.13	11.82	0.67	6.01	0.44	2.80	0.62
vii) Electrical	0.00	0.00	0.00	0.00	103.77	4.18	105.90	5.34	76.14	4.33	20.50	1.50	0.00	0.00
viii) Mechanical	0.00	0.00	1.44	0.05	1.85	0.07	2.38	0.12	2.19	0.12	1.58	0.12	0.05	0.01
ix) Fertilizers	1205.88	37.13	1145.38	36.15	1007.45	40.56	820.13	41.37	889.51	50.56	684.93	50.14	14.66	3.27
x) Other Consumer/ Industrial Goods)	0.00	0.00	15.46	0.49	3.88	0.16	4.90	0.25	2.58	0.15	1.75	0.13	0.00	0.00
5 Miscellaneous	1600.02	49.26	526.02	16.60	320.18	12.89	482.17	24.32	291.87	16.59	149.00	10.91	44.25	9.86
Total Sales	**3247.86**	**100.00**	**3168.65**	**100.00**	**2483.74**	**100.00**	**1982.41**	**100.00**	**1759.14**	**100.00**	**1365.99**	**100.00**	**448.72**	**100.00**
6 Pvt Imports	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Consumption	**3247.86**	**100.00**	**3168.65**	**100.00**	**2483.74**	**100.00**	**1982.41**	**100.00**	**1759.14**	**100.00**	**1365.99**	**100.00**	**448.72**	**100.00**

* : Figures reconciled for previous years, provisional for 2013-14

Source: PPAC's Oil Industry Sales Statistics

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

(Figures in '000' Tonnes)

Year	Consumption	IOC	BPCL/ KRL	HPCL	Other Companies	Private #	TOTAL
1	2	3	4	5	6	7	8
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
2010-11	Consumption	66727	28461	25578	1728	18546	141040
	%	47.3	20.2	18.1	1.2	13.1	100.0
2011-12	Consumption	70084	30228	27581	1639	18601	148132
	%	47.3	20.4	18.6	1.1	12.6	100.0
2012-13	Consumption	71249	32232	28862	1755	22959	157057
	%	45.4	20.5	18.4	1.1	14.6	100.0
2013-14*	Consumption	70028	32779	30044	1579	23766	158197
	%	44.3	20.7	19.0	1.0	15.0	100.0

Note:

*: Provisional

1. Other Companies include CPCL, GAIL, MRPL, NRL & ONGC
2. Private data includes sales by private oil companies, own consumption & direct private imports

Source: Petroleum Planning & Analysis Cell.

V.4 Deliveries Made to International/Coastal Bunkers

(Figures in '000' Tonnes)

Items	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14*
1	2	3	4	5	6	7	8
INTERNATIONAL BUNKERS							
F.O	33.8	127.1	37.3	85.7	113.0	193.6	189.1
H.S.D	14.9	17.0	94.7	16.6	8.1	6.8	9.1
L.D.O	0.1	1.3	0.3	0.0	0.0	0.0	0.0
TOTAL	**48.8**	**145.4**	**132.3**	**102.3**	**121.1**	**200.5**	**198.2**
COASTAL BUNKERS							
F.O	353.4	362.4	553.7	783.6	345.6	141.7	168.6
H.S.D	23.4	586.1	503.5	404.2	336.4	200.5	181.1
L.D.O	39.7	17.5	6.5	4.7	2.4	2.6	2.4
TOTAL	**416.5**	**966.0**	**1063.7**	**1192.5**	**684.4**	**344.8**	**352.1**
TOTAL BUNKERS :							
F.O	387.2	489.5	590.9	869.3	458.6	335.3	357.7
H.S.D	38.3	603.1	598.2	420.7	344.5	207.3	190.3
L.D.O	39.8	18.7	6.8	4.7	2.4	2.6	2.4
TOTAL	**465.3**	**1111.3**	**1195.9**	**1294.7**	**805.5**	**545.3**	**550.3**

* Provisional

Source: Petroleum Planning & Analysis Cell.

V.5 State-wise Consumption of Major Petroleum Products During 2013-14 (Prov)

(Figures in '000' Tonnes)

State/UT	Naphtha	LPG	MS	SKO	ATF	HSD	LDO	FO	LSHS/ HHS	Lubes & Greases	Bitumen	Others	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Jammu & Kashmir	0	150	157	147	47	589	1	3	0	8	68	64	1234
Punjab	0	664	609	69	47	3213	13	102	1	41	112	616	5486
Rajasthan	0	815	898	391	109	4864	11	136	0	47	433	2922	10626
Uttar Pradesh	0	1841	1617	1238	123	6256	30	251	0	64	410	669	12498
Haryana	2958	530	664	70	27	5004	7	85	0	39	219	521	10124
Himachal Pradesh	0	106	124	23	7	512	0	38	0	15	39	434	1299
Uttarakhand	0	200	191	32	3	635	0	51	0	18	38	41	1210
Chandigarh	0	41	82	3	42	71	0	28	0	2	10	75	354
Delhi	0	702	797	9	1528	1129	4	32	0	17	17	55	4291
Total North Region	**2958**	**5050**	**5139**	**1982**	**1931**	**22274**	**67**	**727**	**1**	**249**	**1347**	**5397**	**47123**
Assam	0	238	190	257	101	762	0	3	0	11	48	269	1880
Manipur	0	23	37	20	3	76	0	0	0	0	6	0	164
Meghalaya	0	15	59	20	0	346	0	0	0	1	24	3	469
Nagaland	0	16	26	14	2	57	0	0	0	0	5	1	120
Tripura	0	29	31	31	2	80	0	0	0	1	7	0	181
Arunachal Pradesh	0	15	27	14	2	105	0	0	0	1	7	1	171
Mizoram	0	19	22	6	2	53	0	0	0	0	3	0	103
Total North East Region	**0**	**355**	**390**	**361**	**112**	**1478**	**0**	**3**	**0**	**15**	**101**	**274**	**3089**
Bihar	0	553	375	627	11	2024	18	16	0	15	187	146	3973
Odisha	0	242	413	312	36	1990	30	466	0	25	88	76	3676
West Bengal	1040	932	484	754	197	2637	50	349	0	67	189	98	6797
Jharkhand	0	175	266	208	20	1461	33	142	0	29	140	33	2507
Sikkim	0	11	13	11	0	57	0	1	0	0	3	0	95
Andaman & Nikola	0	7	12	5	22	116	0	0	0	1	4	0	166
Total East Region	**1040**	**1919**	**1562**	**1915**	**286**	**8284**	**131**	**974**	**0**	**138**	**610**	**354**	**17213**
Goa	9	53	127	4	116	264	0	53	0	5	15	4	651
Gujarat	5328	766	1205	527	134	4319	12	487	3	84	654	3510	17030
Madhya Pradesh	0	643	783	482	51	2914	31	141	0	38	252	731	6067
Maharashtra	270	2164	2272	576	1299	7347	92	964	20	283	384	1097	16768
Chhattisgarh	0	156	310	136	22	1237	31	119	0	18	143	251	2423
Dadra & Negara.	0	12	13	2	0	90	0	56	8	105	3	9	298
Daman & Diu	0	9	16	1	1	87	0	18	0	11	2	2	145
Total West Region	**5607**	**3803**	**4725**	**1728**	**1623**	**16258**	**167**	**1837**	**31**	**543**	**1454**	**5605**	**43381**
Andhra Pradesh	58	1406	1370	365	307	6298	12	225	94	72	345	137	10689
Kerala	269	668	904	94	337	2466	0	193	45	41	222	53	5292
Tamilnadu	488	1583	1696	304	469	6195	5	729	268	107	459	275	12578
Karnataka	170	1109	1247	410	438	4733	4	382	5	52	221	159	8931
Lakshadweep	0	0	0	1	0	12	0	0	0	0	0	0	13
Puducherry	0	32	94	3	0	290	0	21	5	2	2	1	451
Total South Region	**985**	**4799**	**5312**	**1178**	**1551**	**19994**	**22**	**1550**	**416**	**273**	**1249**	**626**	**37955**
Total	**10591**	**15925**	**17128**	**7165**	**5502**	**68287**	**386**	**5091**	**449**	**1218**	**4761**	**12257**	**148761**

Source: Petroleum Planning and Analysis Cell, New Delhi.

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

(Unit in KG)

State/UT	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14*
1	2	3	4	5	6	7	8
A. States							
1. Andhra Pradesh	100.9	112.9	113.3	116.6	124.5	129.5	126.3
2. Arunachal Pradesh	89.3	90.8	110.6	110.8	104.8	114.2	123.7
3. Assam	48.7	50.9	55.7	56.8	56.7	54.1	60.3
4. Bihar	28.2	31.5	35.4	37.2	35.9	36.4	38.3
5. Chhattisgarh	70.1	75.9	77.5	79.6	77.5	88.3	94.9
6. Delhi	248.2	233.6	237.1	227.5	256.3	247.1	256.2
7. Goa	653.5	646.5	633.2	631.9	724.3	659.8	446.4
8. Gujarat	138.5	274.1	299.9	275.8	270.2	285.3	282.0
9. Haryana	236.2	256.1	304.4	338.6	362.3	380.6	399.3
10. Himachal Pradesh	110.1	114.2	135.8	145.8	154.4	184.6	189.5
11. Jammu & Kashmir	84.5	86.0	99.9	96.1	96.1	98.3	98.3
12. Jharkhand	53.6	57.8	64.5	69.2	68.7	73.5	76.0
13. Karnataka	112.0	120.1	127.2	131.6	132.1	139.1	146.1
14. Kerala	113.6	131.3	141.9	143.1	147.9	158.4	158.5
15. Madhya Pradesh	54.7	63.4	64.5	70.9	71.6	80.4	83.6
16. Maharashtra	145.7	144.4	145.3	147.7	152.1	154.7	149.2
17. Manipur	47.4	51.8	58.1	42.5	49.6	57.4	60.3
18. Meghalaya	108.7	126.6	137.1	151.7	153.8	159.3	158.1
19. Mizoram	77.3	81.5	85.6	89.6	91.7	97.5	94.7
20. Nagaland	38.2	39.1	42.8	49.5	59.1	59.5	60.8
21. Odisha	61.0	66.3	74.6	81.2	79.9	81.5	87.6
22. Puducherry	407.0	389.1	431.7	419.2	440.5	414.7	362.3
23. Punjab	189.1	200.1	219.6	203.7	206.1	202.4	198.0
24. Rajasthan	93.0	120.2	106.4	108.2	126.3	147.0	154.9
25. Sikkim	96.4	112.0	137.1	160.3	153.0	149.8	156.7
26. Tamilnadu	148.7	163.1	170.0	177.8	175.2	187.1	174.4
27. Tripura	40.4	45.0	47.8	51.5	50.9	49.5	49.3
28. Uttar Pradesh	51.4	55.5	58.7	58.8	59.7	61.1	62.6
29. Uttarakhand	101.0	106.4	121.2	124.7	123.3	120.5	119.6
30. West Bengal	58.9	59.7	62.3	67.4	64.9	70.5	74.4
B.Union Territories							
1. Chandigarh	189.1	208.4	233.1	231.7	291.0	258.8	335.8
2. Daman&Diu&					473.3	530.9	597.8
Dadra&Nagar Haveli	642.5	627.2	763.3	1332.3	833.8	705.5	869.9
3. Others	296.2	261.6	266.8	290.6	333.3	337.8	404.3
Total All India	**93.6**	**106.9**	**112.5**	**115.8**	**116.3**	**122.0**	**122.9**

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

Per Capita Sales of Selected Petroleum Products

(Unit : Kg)

Product	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*
Naphtha	11.6	8.3	7.8	7.7	7.8	10.2	9.5
MS	9.0	9.7	11.0	12.2	12.4	13.0	14.2
SKO	8.2	8.0	8.0	7.7	6.8	6.2	5.9
HSDO	41.6	44.5	48.4	51.6	53.4	57.1	56.5
LDO	0.6	0.5	0.4	0.4	0.3	0.3	0.3
F.O (Regular)	8.3	7.3	7.4	7.3	5.7	5.2	4.7
LSHS/HHS	2.8	2.7	2.1	1.7	1.5	1.1	0.4
Total All India Sales @	**112.6**	**106.9**	**112.5**	**115.8**	**116.3**	**122.0**	**122.9**

Notes: Population figures have been taken from Census of India,2011

* : Provisional @: Includes Pvt sales by oil companies but do not include direct private imports.

Source: Petroleum Planning and Analysis Cell, New Delhi.

V.7 Average Annual Compound Growth Rates of Consumption of Petroleum Products

(Figures in Percentage)

Product	1992-97 VIII Plan	1997-02 IX Plan	2002-07 X Plan	2007-12 XI Plan	2012-17 XIII Plan	2012-13 (% Gr.)	2013-14 (P) (% Gr.)
1	2	3	4	5	6	7	8
LPG	10.00	12.60	7.00	7.20	6.90	1.63	4.70
MS	6.80	7.20	5.80	10.10	8.50	5.01	8.80
Naphtha	6.40	20.10	3.40	-4.20	-0.20	9.52	-6.80
Others	7.20	38.70	N.A.	N.A.	N.A.	N.A.	N.A.
Light Distillates	**7.50**	**15.30**	**N.A.**	**N.A.**	**N.A.**	**N.A.**	**N.A.**
ATF	6.70	0.90	12.00	6.80	9.60	-4.80	4.40
SKO	3.90	0.50	-1.80	-2.80	-4.00	-8.84	-4.50
HSD	9.10	0.90	3.30	8.60	5.20	6.69	-1.00
LDO	-3.50	5.40	-14.70	-10.40	-0.20	-3.92	-3.10
Others	8.80	5.20	N.A.	N.A.	N.A.	N.A.	N.A.
Middle Distillates	**7.40**	**1.00**	**N.A.**	**N.A.**	**N.A.**	**N.A.**	**N.A.**
Lubes	1.70	2.30	10.80	6.70	3.70	21.40	-9.50
FO/LSHS	4.60	2.40	-0.60	-5.90	-3.50	-17.73	-19.10
Bitumen	5.90	2.60	8.20	3.90	5.10	0.82	5.60
Others	4.90	27.60	12.00	-0.40	N.A.	N.A.	N.A.
Heavy Ends	**4.60**	**4.40**	**N.A.**	**N.A.**	**N.A.**	**N.A.**	**N.A.**
Others Total					7.60	41.43	13.99
Total Sales	**6.80**	**4.90**	**3.80**	**4.20**	**4.80**	**6.02**	**0.70**

Note : Growth rates are based on consumption including private parties imports . N.A. : Not Available.

*: XII Plan- Report on Sub-Group on Demand Estimates for Petroleum Products-12th &13th Plan

Source: Petroleum Planning & Analysis Cell.

V.8 Major End use of Petroleum Products

Products	Major End-use
LPG	Domestic fuel. Also for Industrial application where technically essential. Now permitted as auto fuel.
NAPTHA / NGL	Feedstock/ fuel for Fertilizer Units, feedstock for petro-chemical sector and fuel for Power Plants.
MS (Petrol)	Fuel for passenger cars, taxies, two & three wheelers
ATF	Fuel for aircrafts.
SKO (Kerosene)	Fuel for cooking & lighting.
HSD (Diesel)	Fuel for transport sector (Railways/Road), Agriculture (tractors pump sets, threshers, etc.) and Captive power Generation.
LDO	Fuel for agricultural pump sets, small industrial units, start up fuel for power generation
FO/LSHS	Secondary fuel for Thermal Power Plants, Fuel/feedstock for fertilizer plants, industrial units.
BITUMEN	Surfacing of roads.
LUBES	Lubrication for automotive and industrial applications
Other Minor Products (Benzenes, Toluene, MTO, LABFS, CBFS, Paraffin Wax etc.	Feedstock for value added products.

Trade

VI.1 Import/Export of Crude Oil, LNG and Petroleum Products

(Figures of Qty in TMT & Value in Rs. Crore)

Year	Crude Oil		Petroleum Products		LNG		Total	
	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value
	TMT	Rs. Crore	TMT	Rs. Crore	TMT	Rs. Crore	TMT	Rs. Crore
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*
				Gross Imports				
2007-08	121672	272699	22462	60999	8320	7197	152454	340895
2008-09	132775	348304	18586	61156	8060	9548	159421	419008
2009-10	159259	375277	14665	33687	9148	10695	183072	419659
2010-11	163595	455276	17379	55998	9931	14362	190906	525637
2011-12	171729	672220	15849	68091	13214	31718	200793	772029
2012-13	184795	784652	15774	68363	13136	41731	213705	894746
2013-14	189238	864875	16718	74605	13032	53307	218988	992787
				Exports				
2007-08	-	-	40779	110789	-	-	40779	110789
2008-09	-	-	38944	122475	-	-	38944	122475
2009-10	-	-	51155	144687	-	-	51155	144687
2010-11	-	-	59077	196861	-	-	59077	196861
2011-12	-	-	60837	284643	-	-	60837	284643
2012-13	-	-	63408	320090	-	-	63408	320090
2013-14	-	-	67864	368279	-	-	67864	368279
				Net Imports				
2007-08	121672	272699	-18317	-49790	8320	7197	111675	230106
2008-09	132775	348304	-20358	-61319	8060	9548	120477	296533
2009-10	159259	375277	-36490	-111000	8828	10297	131917	274971
2010-11	163595	455276	-41698	-140862	8949	12719	131829	328776
2011-12	171729	672220	-44988	-216552	9703	20373	139956	487386
2012-13	184795	784652	-47634	-251727	9704	20374	150297	574657
2013-14	189238	864875	-51146	-293674	9705	20375	151124	624508

Note: Figures during 2007-08 -2012-13 are revised and Provisional for the year 2013-14.

2. Excludes LNG imports from RIL for the year 2007-08 to 2008-09.

Source: Petroleum Planning & Analysis Cell, New Delhi.

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

(Figures in TMT)

Items	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14*
1	*4*	*5*	*6*	*7*	*8*	*9*	*8*
A. CRUDE OIL(MMT)							
(i) Production	34118	33508	33690	37684	38090	37862	37788
(ii) Imports	121672	132775	159259	163595	171729	184795	189238
(iii)Availability (Net)	155790	166283	192949	201279	209819	222657	227027
B. PETROLEUM PRODUCTS(MMT)							
(i) Production^	149472	155148	184610	194821	203202	217736	220756
(ii) Imports(Net)$	-18317	-20358	-36490	-41698	-44988	-47634	-51146
(iii)Availability	131155	134789	148120	153123	158214	170103	169611

$: Excluding LNG imports.

^: Includes Production of petroleum products from Fractionators.

* Provisional

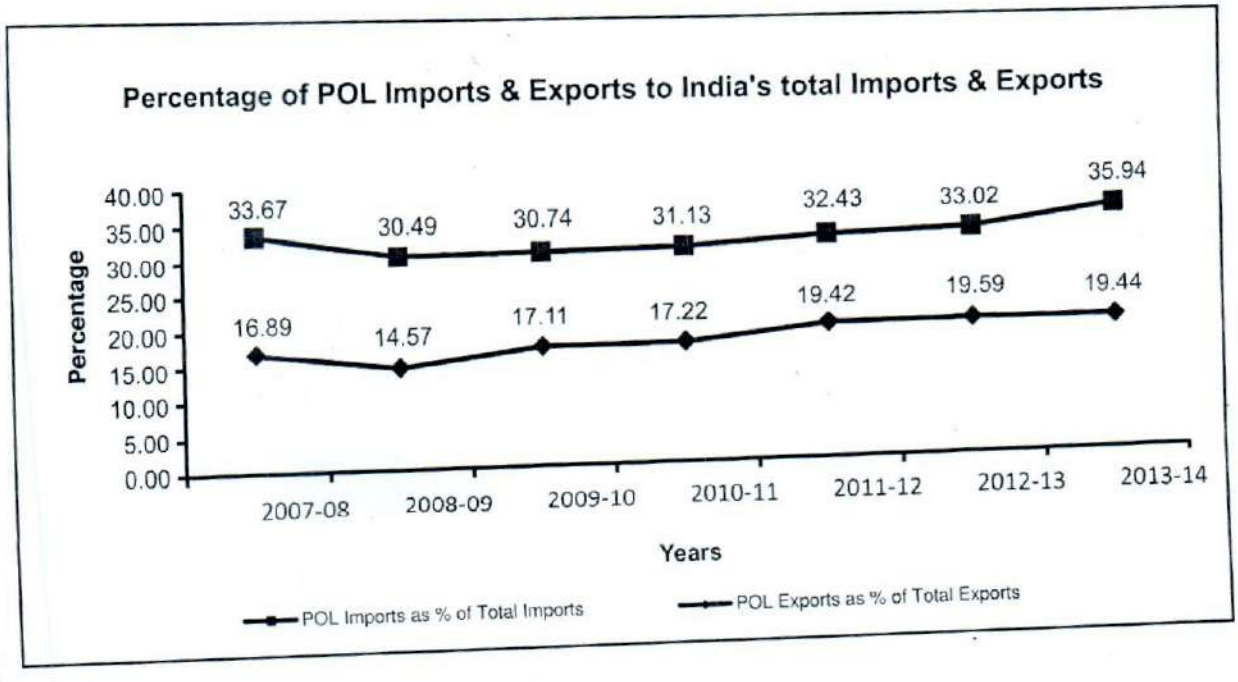
VI. 3 India's POL Imports as a proportion to overall Import

(Figures in Cores of Rupees)

Year	POL Imports #	India's Total Imports	% of POL Imports to Total Imports	POL Exports	India's Total Exports	% of POL Exports to Total Exports
1	*2*	*3*	*4*	*5*	*6*	*7*
2007-08	340895	1012312	33.67	110789	655864	16.89
2008-09	419008	1374436	30.49	122475	840755	14.57
2009-10	419261	1363736	30.74	144687	845534	17.11
2010-11	523994	1683467	31.13	196861	1142922	17.22
2011-12	760684	2345463	32.43	284643	1465959	19.42
2012-13	881230	2669162	33.02	320090	1634319	19.59
2013-14	975429	2714182	35.94	368279	1894182	19.44

Includes Imports of Crude oil, Petroleum Products & Natural Gas for the year 2012-13 & 2013-14 are provisional

Source: PPAC and M/o Commerce



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

(Calendar Year-wise)

(Figures of Qty in TMT & Value in Rs. Crore)

ITEM	2007		2008		2009		2010		2011		2012		2013*	
	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
IMPORT														
CRUDE OIL	**119934**	**242707**	**128167**	**373902**	**152481**	**323940**	**163340**	**421835**	**167813**	**613677**	**184173**	**783418**	**189351**	**846591**
PRODUCTS IMPORT														
LPG	2627	7284	2590	9349	2344	6405	4111	13883	5535	23814	6561	33301	6043	33002
MS/ Petrol	277	836	454	1860	314	931	1534	5588	954	4632	147	891	235	1607
Naphtha/ NGL	5829	16772	5360	20108	1266	5790	1928	5981	2137	9720	1884	9838	1136	7239
SKO/ Kerosene	2254	7159	1773	7958	707	2437	1317	4344	905	4179	0	0	0	0
HSD/ Diesel	2041	5624	3068	12057	2195	6853	1837	5673	1390	6330	871	4424	99	566
LOBS/ Lube oil	**	**	**	**	**	**	1321	3173	1401	7284	1485	8937	1585	10231
Fuel Oil/LSHS	1419	2367	1331	5728	953	1720	981	2336	1150	3866	965	3896	1325	5796
Bitumen	**	**	**	**	**	**	94	201	60	142	95	248	150	476
Others	6296	11681	1379	6289	7333	8921	3596	7112	2992	7688	4202	8075	4961	11066
PRODUCT IMPORT	**20743**	**51723**	**15955**	**63349**	**15112**	**33057**	**16719**	**48290**	**16524**	**67655**	**16210**	**69608**	**15536**	**69982**
TOTAL IMPORT	**140677**	**294430**	**144122**	**437251**	**167593**	**356997**	**180058**	**470124**	**184337**	**681331**	**200382**	**853027**	**204887**	**916574**
PRODUCT EXPORT														
LPG	96	325	104	513	94	424	154	664	165	856	195	1231	213	1393
MS/ Petrol	3852	11298	5369	19418	8023	23547	13647	46607	14011	67059	16098	91260	15874	95263
Naphtha/ NGL	9586	26450	7884	27706	8561	23550	10586	34629	10609	45544	9035	44765	8496	45965
Aviation Turbine Fuel	4489	12457	3663	14805	4448	11987	4248	13589	5223	23996	4153	22225	5716	32482
HSD/ Diesel	13584	35328	13543	51956	18414	46615	19453	59691	21430	102486	21294	111708	25997	142665
SKO/ Kerosene	138	467	95	457	46	142	38	145	33	176	29	173	16	98
LDO	**	**	**	**	**	**	76	189	89	328	26	115	22	102
LOBS/ Lube Oil	**	**	**	**	**	**	10	60	30	167	75	470	19	150
Fuel Oil/LSHS	3727	5570	6460	12628	5136	9143	6207	12955	7937	23768	6480	22583	6281	22573
Bitumen	**	**	**	**	**	**	57	123	18	59	65	215	108	363
Others	4120	8626	749	2259	2411	5452	3054	8664	2897	10847	4097	16061	5953	23259
TOTAL PRODUCT EXPOR	**39592**	**100521**	**37867**	**129742**	**47133**	**120860**	**57530**	**177315**	**62440**	**275285**	**61548**	**310559**	**68696**	**364314**
NET IMPORT	**101085**	**193909**	**106255**	**307509**	**120460**	**236137**	**122528**	**292809**	**121897**	**406046**	**138835**	**542468**	**136190**	**552259**

Note: Figures during the year 2007 to 2012 are revised and Provisional for the year 2013.

** Includes in others

Source: Petroleum Planning & Analysis Cell.

VI.5 Import / Export of Crude Oil and Petroleum Products

(Figures in TMT)

Import/Export	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14*
1	2	3	4	5	6	7	8
Imports							
Crude Oil	**1,21,672**	**1,32,775**	**1,59,259**	**1,63,595**	**1,71,729**	**1,84,795**	**1,89,238**
Product							
LPG	2,833	2,423	2,718	4,484	5,790	6,293	6,607
Petrol	328	397	385	1,702	654	147	235
Naphtha	5,983	5,023	1,734	2,063	2,091	1,735	1,026
Kerosene	2,489	1,448	985	1,381	564	0	0
Diesel	2,951	2,742	2,531	1,996	1,059	626	84
Lubes	1,253	986	1,419	1,291	1,434	1,468	1,674
Fuel Oil	3,659	2,760	896	1,013	1,203	1,068	1,283
Bitumen	35	105	69	98	78	85	237
Others $	2,931	2,702	3,928	3,352	2,977	4,352	5,571
Total Product Import	**22,462**	**18,586**	**14,665**	**17,379**	**15,849**	**15,774**	**16,718**
Total Import	**1,44,134**	**1,51,361**	**1,73,924**	**1,80,974**	**1,87,578**	**2,00,569**	**2,05,956**
Exports							
LPG	99	109	131	154	174	200	227
Petrol	4,258	5,440	9,771	13,578	14,524	16,657	15,247
Naphtha	9,297	7,601	10,043	10,655	10,139	8,647	8,322
Aviation Turbine Fuel	4,486	3,701	4,588	4,478	4,561	4,664	5,745
Kerosene	137	77	46	33	34	23	15
Diesel	14,308	14,720	18,451	20,335	20,407	22,464	26,469
LDO	0	0	41	98	84	9	30
Lubes	311	139	28	29	27	59	20
Fuel Oil	4,718	6,207	5,186	6,734	7,895	5,922	6,159
Bitumen	43	45	31	56	5	87	95
Others	3,122	905	2,839	2,927	2,988	4,675	5,535
Total Export	**40,779**	**38,944**	**51,155**	**59,077**	**60,837**	**63,408**	**67,864**
Net Import	**1,03,355**	**1,12,417**	**1,22,769**	**1,21,897**	**1,26,741**	**1,37,161**	**1,38,092**
Net Product Export	**18,317**	**20,358**	**36,490**	**41,698**	**44,988**	**47,634**	**51,146**

Note: $ Others include Paraffin wax, Petroleum Jelly LSWR , Aviation Gas , Pet coke etc. * Provisional

Source: PPAC

VI.6 Import / Export of Crude Oil and Petroleum Products

(Figures in Cores of Rupees)

Import/Export	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14*
1	2	3	4	5	6	7	8
Imports							
Crude Oil	**2,72,699**	**3,48,304**	**3,75,277**	**4,55,276**	**6,72,220**	**7,84,652**	**8,64,875**
Product							
LPG	8,700	8,072	8,329	15,888	27,019	31,696	37,425
Petrol	1,137	1,553	1,264	6,427	3,311	891	1,481
Naphtha	18,470	17,409	4,942	6,853	9,827	9,791	6,067
Kerosene	8,324	6,583	2,909	4,939	2,710	0	0
Diesel	9,212	9,774	6,390	6,969	5,039	3,219	503
Lubes	3,402	4,552	3,518	4,093	8,314	9,259	10,664
Fuel Oil	7,485	7,729	1,935	2,455	4,392	4,546	5,537
Bitumen	50	207	138	210	197	235	773
Others $	4,219	5,277	4,262	8,164	7,282	8,727	12,156
Total Product Import	**60,999**	**61,156**	**33,687**	**55,998**	**68,091**	**68,363**	**74,605**
Total Import	**3,33,698**	**4,09,460**	**4,08,964**	**5,11,275**	**7,40,311**	**8,53,015**	**9,39,480**
Exports							
LPG	401	456	491	693	947	1,294	1,589
Petrol	13,614	17,810	31,203	49,480	73,982	95,346	92,977
Naphtha	27,365	25,055	30,318	37,138	45,620	43,533	46,059
Aviation Turbine Fuel	13,555	13,498	13,331	16,140	21,857	25,223	33,246
Kerosene	492	362	154	141	191	140	98
Diesel	40,871	49,670	50,930	69,300	1,04,572	1,15,554	1,48,138
LDO	0	1	87	260	331	42	135
Lubes	691	687	121	154	181	381	138
Fuel Oil	6,811	12,297	10,545	15,098	25,576	20,415	22,407
Bitumen	51	64	67	124	27	281	321
Others	6,938	2,575	7,441	8,332	11,360	17,880	23,169
Total Export	**1,10,789**	**1,22,475**	**1,44,687**	**1,96,861**	**2,84,643**	**3,20,090**	**3,68,279**
Net Import	**2,22,909**	**2,86,985**	**2,64,277**	**3,14,414**	**4,55,668**	**5,32,926**	**5,71,201**
Net Product Export	**49,790**	**61,319**	**1,11,000**	**1,40,862**	**2,16,552**	**2,51,727**	**2,93,674**

Note: $ Others include Paraffin wax, Petroleum Jelly LSWR , Aviation Gas , Pet coke etc. * Provisional

Source: PPAC

VI.7 Import / Export of Crude Oil and Petroleum Products

(Figures in Million US$)

Import/Export	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14*
1	2	3	4	5	6	7	8
Imports							
Crude Oil	**67,988**	**76,876**	**79,553**	**1,00,080**	**1,39,690**	**1,44,293**	**1,42,962**
Product							
LPG	2,163	1,733	1,767	3,469	5,584	5,807	6,179
Petrol	281	352	266	1,403	716	160	248
Naphtha	4,582	3,802	1,029	1,453	2,022	1,787	985
Kerosene	2,072	1,486	614	1,081	597	0	0
Diesel	2,265	2,198	1,332	1,505	1,096	587	82
Lubes	844	988	733	855	1,708	1,690	1,742
Fuel Oil	1,861	1,748	406	527	912	838	906
Bitumen	13	43	29	43	40	43	128
Others $	1,045	1,207	832	1,731	1,514	1,593	1,985
Total Product Import	**15,126**	**13,557**	**7,007**	**12,068**	**14,189**	**12,506**	**12,255**
Total Import	**83,114**	**90,433**	**86,560**	**1,12,148**	**1,53,879**	**1,56,799**	**1,55,217**
Exports							
LPG	99	97	104	151	195	236	260
Petrol	3,392	4,008	6,650	10,861	15,478	17,528	15,397
Naphtha	6,791	5,643	6,419	8,161	9,482	7,992	7,584
Aviation Turbine Fuel	3,376	2,999	2,824	3,546	4,568	4,645	5,487
Kerosene	122	77	32	31	39	25	16
Diesel	10,178	11,032	10,747	15,220	21,746	21,253	24,336
LDO	0	0	19	56	69	8	22
Lubes	171	136	26	34	36	65	27
Fuel Oil	1,696	2,737	2,250	3,318	5,312	3,757	3,671
Bitumen	13	14	12	27	6	52	52
Others	1,718	539	1,580	1,935	2,387	3,288	3,814
Total Export	**27,555**	**27,282**	**30,663**	**43,340**	**59,318**	**58,848**	**60,664**
Net Import	**55,559**	**63,151**	**55,897**	**68,808**	**94,560**	**97,950**	**94,553**
Net Product Export	**12,429**	**13,725**	**23,656**	**31,272**	**45,130**	**46,343**	**48,409**

Note: $ Others include Paraffin wax, Petroleum Jelly LSWR , Aviation Gas , Pet coke etc. * Provisional

Source: PPAC

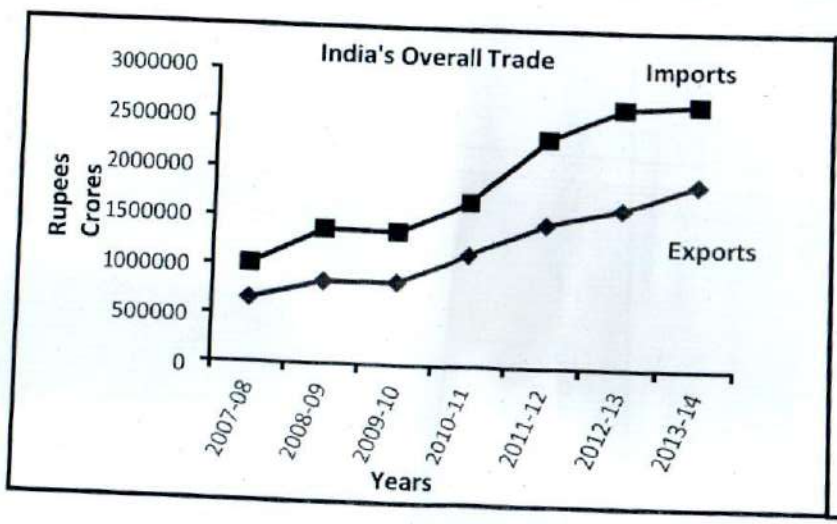
VI.8 Trends in India's overall Trade balance and Trade balance with OPEC Countries

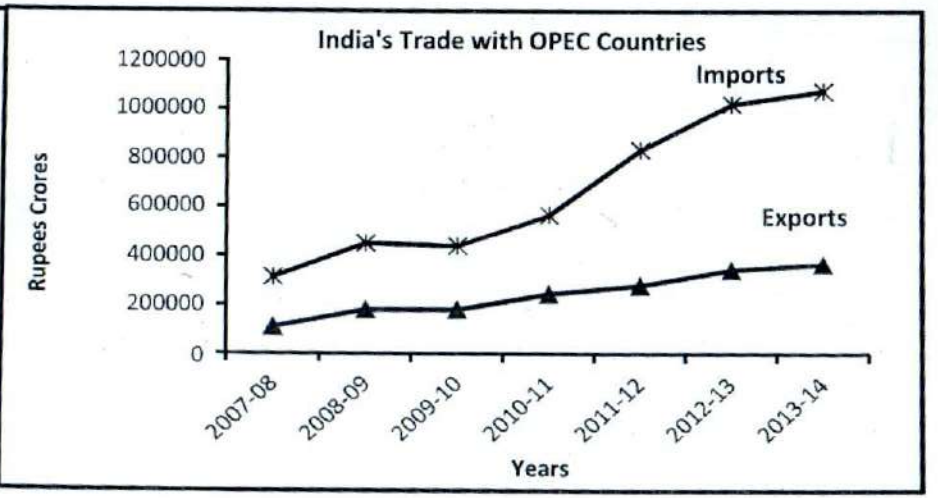
(Figures in Rs. Crore)

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	Balance of Trade	% variation over preceding year			
				Exports	Imports				Exports	Imports	Exports	Imports
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*
2007-08	655864	1012312	-356448	14.7	20.4	108662	311255	-202593	14.6	22.0	16.6	30.7
2008-09	840755	1374436	-533681	28.2	35.8	178789	448379	-269590	64.5	44.1	21.3	32.6
2009-10	845534	1363736	-518202	0.6	-0.8	178618	438189	-259571	-0.1	-2.3	21.1	32.1
2010-11	1142922	1683467	-540545	35.2	23.4	243769	565285	-321516	36.5	29.0	21.3	33.6
2011-12	1465959	2345463	-879504	28.3	39.3	278291	832230	-553939	14.2	47.2	19.0	35.5
2012-13	1634319	2669162	-1034843	11.5	13.8	342219	1021645	-679426	23.0	22.8	20.9	38.3
2013-14	1894182	2714182	-820000	15.9	1.7	366594	1076349	-709755	7.1	5.4	19.4	39.7

Note: Fig. for the year 2012-13 & 2013-14 are provisional

Source: RBI





VI.9 Annual Growth of Foreign Direct Investment Equity Inflows

Years	FDI Inflow		% of FDI in	Annual Growth (%)	
	Total All Sector	P & NG Sector	P&NG to Total FDI	All Sectors	P & NG Sector
1	2	3	4	5	6
		(Amount in Rs. Million)			
2005-06	245843.72	543.82	0.22	67.78	-87.73
2006-07	563902.20	3941.63	0.70	129.37	624.80
2007-08	986420.89	56431.48	5.72	74.93	1331.68
2008-09	1428289.04	16333.61	1.14	44.80	-71.06
2009-10*	1231196.45	12969.02	1.05	-13.80	-20.60
2010-11*	973203.93	25431.41	2.61	-20.95	96.09
2011-12*	1651455.31	99551.66	6.03	69.69	291.45
2012-13*	1219067.30	11925.66	0.98	-26.18	-88.02
2013-14*	1475177.76	6783.90	0.46	21.01	-43.12
		(Amount in US $ Million)			
2005-06	5540	12	0.22	72.10	-87.61
2006-07	12492	88	0.70	125.49	535.71
2007-08	24575	1405	5.72	96.73	1501.92
2008-09	31396	349	1.11	27.75	-75.14
2009-10*	25834	266	1.03	-17.71	-23.98
2010-11*	21383	556	2.60	-17.23	109.55
2011-12*	35121	2030	5.78	64.25	264.82
2012-13*	22424	215	0.96	-36.15	-89.42
2013-14*	24299.33	112	0.46	8.37	-47.75

* Provisional

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

Taxes & Duties

VII.1 Realisation of Excise and Customs Duties from Crude Oil and Petroleum Products

(Figures in Rs. Crore)

Sl.No.	Products	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14*
1	2	2	3	4	5	6	7	8
A	**Excise Duties**							
1	Motor Spirit	20102	21075	24809	26771	28795	23710	22424
2	Kerosene Oil	241	281	223	283	351	404	346
3	Refined Diesel Oil	23848	21537	23131	30412	19048	22513	27146
4	Diesel Oil (NES)	306	288	188	240	247	297	189
5	Furnace Oil	1985	2135	2446	2596	3105	2774	2502
6	Pol. Products (NOS)^	6313	6840	5822	6488	11435	17144	17049
7	Petroleum Gases	570	595	705	896	1372	1654	1613
8	Cess on crude oil	6866	6632	6688	8860	10357	16402	17331
	Total (A)	**60231**	**59383**	**64012**	**76546**	**74709**	**84898**	**88600**
B	**Custom Duties**							
1	Crude Petroleum	9101	2768	1752	13370	5196	844	781
2	Petroleum Products	9041	8406	6003	12912	15323	12861	14782
	Total (B)	**18142**	**11174**	**7755**	**26282**	**20520**	**13704**	**15563**
	Grand Total (A+B)	**78373**	**70557**	**71767**	**102828**	**95229**	**98603**	**104163**
	Composite Incidence of Excise & Custom Duties (Rs.)	**6078**	**5281**	**5208**	**7291**	**6429**	**6278**	**6584**
	% of Excise & Custom Duties on POL to NNP at Factor Cost at Current Prices	**1.92**	**1.50**	**1.33**	**1.60**	**1.28**	**1.19**	**1.14**

*: Provisional

^: Includes NCCD (National Calamity Contingent Duty)

Source: D/o Data Management , Central Excise & Customs

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

(Value in Rs. Lakhs)

Year	Royalty Paid on Crude Oil						Royalty Paid on Natural Gas						Oil Development Cess
	Western Region	Eastern Region	Southern Region	Central Region	Offshore	Total	Western Region	Eastern Region	Southern Region	Central Region	Offshore	Total	
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*	*14*
2007-08	214817	165983	23377	-	250256	654433	62791	22814	7640	-	55440	148685	715626
2008-09	317211	136198	13774	-	248319	715502	66682	21883	8191	-	65665	162421	688580
2009-10	177601	161241	18370	-	258281	615493	59187	48819	8349	-	63624	179979	709605
2010-11	450721	142949	16872	11	285242	895795	11108	10741	14157	2889	196628	235523	678260
2011-12	865542	179975	27471	13	519137	1592138	12727	14453	16825	3569	281833	329407	811883
2012-13	1107937	164323	18346	13	517677	1808296	13976	16337	17826	3978	335907	388024	1578373
2013-14*	1232543	163791	19188	19	595882	2011423	16061	18088	20066	5039	289007	348261	1618056

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

Note:1. No cess is payable on Natural Gas. Cess amount includes NCCD and Education cess also. Royalty is paid to state Govt. while cess is paid to central Govt.

VII.3. Sales tax rates applicable on crude oil, natural gas and petroleum products in different States

(As on 01.04.2014)

State	Crude Oil	Natural Gas	MS	NAPHTHA	HSD	SKO (PDS)	SKO(IND)	LPG(PDS)	LPG(IND)
1	2	3	4	5	6	7	8	9	10
Andhra Pradesh	5.00%	5.00%	27.00%	5.00%	21.43%	5.00%	25.00%	0.00%	14.50%
Arunachal Pradesh	5.00%	5.00%	15.00%	14.50%	14.00%	0.00%	14.50%	1% for Non DBT Markets and 0.5% for	14.50%
Assam	5.00%	14.50%	31.00%	14.50%	22.25%	5.00%	14.50%	5.00%	14.50%
Bihar	5.50%	14.50%	25.00%	5.50%	15.65%	5.50%	14.50%	1.00%	14.50%
Chandigarh	5.00%	14.50%	26.21%+SSC 1% on tax	5.00%	19.80% Plus SSC 1% on tax	5.00%	14.50%	5.00%	14.50%
Chhattisgarh	5.00%	12.00%	27.50%	14.50%	16.50%	2.00%	12.50%	4%, ¥	9.00%
Delhi	5.00%	20.00%	24.5%, Surcharge 10%	13.50%	16.00%, Surcharge 10%	5.00%	5.00%	1.00%	13.50%
Goa	4.00%	13.50%	20%, Surcharge 2%, ^	13.50%	12.5%, Surcharge 2%, ##	0.00%	13.50%	0.00%	13.50%
Gujarat	5.00%	13.50%	20.00%	13.50%	13.50%	0.00%	5.00%	5.00%	13.50%
Haryana	4.75%, surcharge on tax 5%	4.75%, surcharge on tax 5%	20%, Surcharge on tax 5%	13.25%	12%, Surcharge on tax 5%	5%, Surcharge on tax 5%	15%, Surcharge on tax 5%	4.75%, surcharge on tax 5%	12%, surcharge on tax 5%
Himachal Pradesh	5.00%	13.50%	18.00%	13.50%	18.00%	Nil	13.50%	Nil	13.50%
J & K	4.00%	4.00%	20%,Cess Rs.3000 per Kl, ^^	12.50%	10%, Cess Rs.2500 per Kl, ^^	4.00%	12.50%	4.00%	12.50%
Jharkhand	5.00%	14.50%	20.00%	14.50%	13.50%	Nil	14.50%	1.50%	14.50%
Karnataka	4.00%	20.00%	20.00%	12.50%	12.50%	4.00%	12.50%	4.00%	12.50%
Kerala	5.00%	5.00%	25%,^^^	5.00%	17%, Cess Rs.1000 per Kl,Addl Tax 20%, §	0.00%	14.50%	0.00%	5%,Cess Rs 1000 per MT
Madhya Pradesh	5.00%	13.50%	20.00%	13.50%	12.00%	Nil	Nil	4.00%	8.00%
Maharashtra	5.00%	14.00%	20.00%	14.00%	18.00%	2.00%	14.00%	5.00%	14.00%
Manipur	5.00%	13.00%	27.00%	13.00%	23.00%	5.00%	13.00%	5.00%	13.00%
Meghalaya	5.00%	25.00%	25.00%	14.00%	25.00%	4.00%	14.00%	0.00%	14.00%
Mizoram	4.00%, Add Tax-1.00% on	12.50%, Add Tax-2.50% on Turnover	23%, Cess-2% on Turnover	16%, Addl Tax 2.5% on Turnover	21%, Cess-3% on Turnover	0.00%	25.00%, Addl tax 2.5% on Turnover	0.00%	12.50%, Addl Tax 2.50% on Turnover
Nagaland	5.00%	12.50%	**	12.50%	**	3.00%	12.50%	3.00%	12.50%
Orissa	5.00%	12.50%	***	20.00%	20.00%.	5.00%	12.50%	0.00%	12.50%
Pondicherry	5.00%	0.00%	20.00%	20.00%	12.50%, CESS Rs.250/- per kl	5.00%	12.50%	0.00%	5.00%
Punjab	5.00%	12.50%, Add. Tax on VAT 5%	20%, Add. Tax on VAT 5%	12.50%, Addl Tax on VAT 5%	8.80 %, Addl Tax on VAT 5%	0.00%	12.5%, Addl Tax on VAT 5%	0.00%	12.50%, Additional Tax on VAT 5%
Rajasthan	4.5%, Surcharge on Tax 10%	5.5%, Surcharge on Tax 10%	28%, surcharge 10%, Cess Rs.1000 per kl	5.50% Surcharge on Tax 10.00%	8.75% for Normal and 13% for Branded Fuel, Surcharge on Tax 10.00%	5.50%, Surcharge on Tax 10.00%	13%, Surcharge on Tax 10.00%	4%, SURCHARGE ON TAX:-10.00%	13%, Surcharge on Tax 10.00%
Sikkim	4.00%	4.00%	25.00%	5.00%	9.60%	0.00%	13.75%	4.00%	13.75%
Tamil Nadu	5.00%	5.00%	MST 20%, Cess RS 3/- Per Litre	13.50%	MST 12.00%, Cess Rs. 1/- Per Litre	5.00%	13.50%	0.00%	13.50%
Tripura	4.00%	5.00%	#	5.00%	12.50%, MST Rs 10/- Per KL	5.00%	12.50%	0.00%	12.50%
Uttar Pradesh	5.00%	5.00%	26%, Cess Rs.500/-per KL, OMC Transaction 5%	5.00%	18.00%, CESS Rs.500/-per KL, REBATE Rs.540/- per KL, OMC Transaction 5.00%	0.00%	0.00%	0.00%	14.00%
Uttarakhand	4.00%	21% Add Tax 5% on Turnover	26.55%	21.00%	17.23%	4.00% Addl Tax 1% on Turnover	12.50% Addl Tax 1.5% on Turnover	0.00%	12.50%, Addl Tax on Turnover 1.50%
West Bengal	5.00%	20%	25.00%	13.50%	21.00%, REBATE Rs.1230/- per KL	0.00%	0.00%	5.00%	13.50%

**:Within Municipal Limits of Thane, Mumbai, Navi Mumbai, Solapur, Amravati, Nagpur, Aurangabad, Nandurbar 26.00%+Re1/Litre, Others 25%+Re1/Litre for MS & 24.00%, Others 21% for HSD §:Rebate Available Rs 290/Kl

***: 0.10% (Sold by PSU OMC to Auth RO), others 20% ^^: Sikkim Consumer Welfare Fund Rs 20 per Kl ^^^:Cess Rs.1000 per Kl, Additional Tax on tax 20%, Rebate Available Rs 17/Kl ^:Partial Exemption of Rs. 1.13 per Litre

#: 20.00% for Normal & 22.00% for Branded. (MST:-Rs 10/- PER KL) ##:Partial Exemption of Rs.0.50 per Litre ¥: Rebate of Rs.14 per cylinder on sale for domestic use

VII.3 (Cont'd...) Sales tax rates applicable on crude oil, natural gas and petroleum products in different States
(As on 01.04.2014)

(Percentage)

State	FO	LSHS	LDO	LUBE	MTO	ATF (Duty Paid/Bonded)	ATF Declared	SULPHUR	BITUMEN	ASPHALT
1	11	12	13	14	15	16	17	18	19	20
Tamil Nadu	5.00%	5.00%	25.00%	14.50%	5.00%	29.00%	5.00%	5.00%	5.00%	5.00%
Pondicherry	14.50%	14.50%	14.50%	14.50%	14.50%	14.50%	5.00%	14.50%	14.50%	14.50%
Andhra Pradesh	14.50%	14.50%	22.25%	14.50%	14.50%	16.00%	5%	5%	5.00%	14.50%
Karnataka	14.50%	14.50%	15.65%	14.50%	14.50%	28.00%	5%	14.50%	5.50%	5.50%
Kerala	14.50%	14.50%	41%, Addl Tax 15%, SSC 1%+Addl Tax	14.50%	5%	25%, Addl Tax 15%, SSC 1%+Addl Tax	5%	5%	5.00%	5%
Assam	5.00%	14.50%	16.50%	14.50%	14.50%	22.00%	5.00%	5.00%	5.00%	14.50%
Bihar	13.50%	13.50%	16.00% , Surcharge 10 % on Tax	13.50%	13.50%	29.00%	5.00%	5.00%	5.00%	13.50%
Meghalaya	13.50%	5.00%	12.5%, Surcharge 2% on Tax	13.50%	5.00%	20.00%, Surcharge on Tax 2%	0.00%	5.00%	5.00%	13.50%
Manipur	13.50%	13.50%	13.50%	13.50%	13.50%	20.00%	5.00%	13.50%	5.00%	13.50%
Nagaland	13.25%	4.75%	12%, Surcharge on tax 5%	12%, surcharge on tax 5%	4.75%	20.00%, Surcharge on tax 5%	4.75%, surcharge on tax 5%	4.75%	4.75%	13.25%
Orissa	13.50%, FO & Lubes for International Bunkering 5%	13.50%	20.00%	13.50%	13.50%	5.00%	5.00%	13.50%	13.50%	13.50%
Sikkim	12.50%	12.50%	15.00%	12.50%	12.50%	12.50%	4.00%	4.00%	4.00%	12.50%
Tripura	14.50%	14.50%	14.50%	14.50%	14.50%	22.00%	5.00%	5.00%	5.00%	14.50%
Arunachal Pradesh	12.50%	12.50%	12.50%	4.00%	12.50%	20.00%	4.00%	4.00%	4.00%	12.50%
West Bengal	5.00%	14.50%	17%, Additional Tax on tax 20%, Rebate Available Rs 280/Kl	14.50%	5.00%	25.00% + Add. Tax on tax - 20%, For Bagdogra AFS nil	5.00%	5.00%	5.00%	14.50%
Mizoram	13.50%	13.50%	12.00%	10.00%	5.00%	20.00%	4.00%	5.00%	5.00%	13.50%
Jharkhand	14.00%	14.00%	18.00%	14.00%	14.00%	4.00%	5.00%	5.00%	5.00%	14.00%
Madhya Pradesh	13.00%	13.00%	13.00%	13.00%	13.00%	5.00%	5.00%	13.00%	5.00%	5.00%
Chhattisgarh	5.00%	14.00%	14.00%	14.00%	14.00%	5.00%	5.00%	14.00%	5.00%	5.00%
Gujarat	4.00%, Addl Tax 1.00% on Taxable	15%, Addl Tax 2.50% on Taxable Turnover	12.50%, Addl Tax 2.50% on Turnover	12.50%/15%, Addl Tax 2.50% on Taxable	12.50%, Addl Tax 2.50% on Taxable Turnover	ATF duty paid 30.00%, Bonded 38%	4%, Addl Tax 1% on Taxable Turnover	4%, Addl Tax 1% on Taxable Turnover	4%, Addl Tax 1% on Taxable Turnover	4%, Addl Tax 1% on Taxable Turnover
Maharashtra	12.50%	12.50%	12.50%	12.50%	12.50%	-	5.00%	12.50%	12.50%	12.50%
Goa	12.50%	12.50%	22.00%	12.50%	12.50%	12.50%	5.00%	12.50%	5.00%	12.50%
Delhi	20.00%	12.50%	12.50%, CESS Rs.250/- per kl	Petroleum based lube taxable at 20.00% and other lubes taxable at 12.50%	12.50%	20.00%	5.00%	5.00%	5.00%	12.50%
Haryana	12.50%, Additional Tax on VAT 5%	12.50%, Additional Tax on VAT 5%	8.80 %, Additional Tax on VAT 5%	12.50%, Additional Tax on VAT 5%	12.50%, Additional Tax on VAT 5%	20%, Additional Tax on VAT 5%	5.00%	5.00%, Additional Tax on VAT 5%	5.00%, Additional Tax on VAT 5%	12.50%, Additional Tax on VAT 5%
Punjab	5.50%, Surcharge on Tax 10.00%	13%, Surcharge on Tax 10.00%	8.75%, Surcharge on Tax 10.00%	13%, Surcharge on Tax 10.00%	5.5%, Surcharge on Tax 10%		4.5%, Surcharge on Tax 10%	5.5%, Surcharge on Tax 10%	5.5%, Surcharge on Tax 10%	5.5%, Surcharge on Tax 10%
Himachal Pradesh	13.75%	13.75%	9.70%	13.75%	5.00%	25.00%	1.00%	5.00%	5.00%	5.00%
J & K	13.50%	13.50%	13.50%	13.50%	13.50%	GST 20%, Surcharge on Tax 5.00%	GST 5%	5.00%	5.00%	5.00%
Chandigarh	12.50%	12.50%	12.50%	12.50%	5.00%	20.00%, MST:-Rs 10/- Per kl	4.00%	5.00%	5.00%	5.00%
Rajasthan	5.00%	14.00%	18.00%, REBATE Rs.540/- per KL	14.00%	14.00%	20.00%	5.00%	5.00%	14% ***	14.00%
Uttar Pradesh	21.00%	21.00%	17.23%	12.50% Additional Tax on Taxable Turnover 1.50%	4.00% Additional Tax on Taxable Turnover 1.00%	21.00%	4.00%	4.00% Additional Tax on Taxable Turnover 1.00%	12.50% Addl Tax on Taxable Turnover 1.50%	12.50%, Addl Tax on Taxable Turnover 1.50%
Uttarakhand	13.50%	13.50%	21.00%	20.00%	13.50%	20.00%	5.00%	13.50%	5.00%	13.50%

*ATF duty paid Mumbai, Pune25.00%, ATF duty paid except Mumbai Pune 5.00%, ATF Bonded 30% **:13% (5.50% for Scheduled & Non Scheduled Airlines carrying passengers from Airport in Punjab), Surcharge on Tax 10%

***:5.00% for dealer engaged in manufacturing of such bitumen with in the state.

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

(Value in Rs. Lakhs)

State/UTs	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14*
1	2	3	4	5	6	7	8
1. CRUDE OIL	**165566**	**130140**	**160845**	**149902.2**	**191571**	**175972**	**165967**
Andhra Pradesh	10069	7652	4601	4461	5706	3946	3751
Assam	31313	34996	37027	37180	55142	50371	49407
Gujarat	20711	20518	36805	25038	38581	27632	10161
Maharashtra	100321	63812	79962	80298	87196	88789	97123
Rajasthan	3	0	2	1	0	2	0
Tamil Nadu	3149	3162	2448	2913	4946	5232	5525
Tripura	0	0	0	11	0	0	0
2. NATURAL GAS	**145080**	**223491**	**270331**	**399826**	**472756**	**555772**	**566261**
Andhra Pradesh	9223	8876	41019	65812	60032	53315	31146
Assam	7200	7413	6800	9701	12630	14079	15794
Delhi	305	403	518	841	1315	1846	2589
Gujarat	64418	108228	107475	150976	167178	195769	193458
Haryana	0	1745	2884	5054	8778	12692	12785
Jharkhand	0	0	2	12	34	33	52
M.P	13409	10620	14334	20168	30257	30154	33778
Maharashtra	20438	23947	31602	40093	53705	73534	91971
Punjab	0	0	0	0	0	2120	14532
Rajasthan	175	5539	5347	3889	6928	9516	9427
Tamil Nadu	2242	1770	1815	2935	4516	5087	6205
Tripura	1326	1501	1559	3070	3888	4070	4447
Uttar Pradesh	26344	53449	56976	97275	123495	153337	149554
Uttarakhand	0	0	0	0	0	220	524
3. POL PRODUCTS	**5678366**	**5942598**	**5963688**	**7521157**	**9373208**	**10412080**	**11766150**
Andhra Pradesh	561180	615966	619049	743946	933223	1062576	1201402
Arunachal Pradesh	1558	1894	2264	3172	4245	3934	5396
Assam	60165	86831	86440	96659	118716	132923	160673
Bihar	138075	162345	181060	222074	277753	312935	397650
Chhattisgarh	95412	104582	110959	140873	172423	199967	240856
Delhi	184540	179797	153576	191044	241467	256703	309449
Goa	37141	48983	43405	47027	57382	37848	38688
Gujarat	468454	371002	339089	499437	645986	699234	700667
Haryana	220963	215167	212531	277870	340734	383128	444975
Himachal Pradesh	25379	25197	13949	16697	14895	16410	18164
Jammu & Kashmir	35087	41170	45860	59026	74731	84522	95383
Jharkhand	79056	66466	76023	111601	125325	148857	183810
Karnataka	391975	465040	456082	572576	701865	809514	900926
Kerala	255933	262619	289477	353718	410434	459857	516271
Madhya Pradesh	247447	282495	284607	380657	438540	439357	512904
Maharashtra	921355	966257	889120	1101417	1338852	1537916	1716510
Manipur	2662	3502	3581	4166	7625	8238	10178
Meghalaya	6975	7329	5616	2582	401	197	277
Mizoram	2140	2042	2340	3178	4422	6084	4440
Nagaland	2801	3217	2895	4187	5451	5914	6400
Odisha	118363	127128	135674	173444	199039	220775	268315
Puducherry	837	783	662	937	1344	1871	1812
Punjab	175455	176331	199032	253422	281192	286858	300384
Rajasthan	299593	315144	322105	397050	473367	528079	652297
Sikkim	2919	7050	2107	3639	4308	4788	6579
Tamil Nadu	528230	588202	601613	768458	924391	1128082	1221342
Tripura	4634	5034	6098	6408	10020	12082	11806
Uttar Pradesh	476157	476604	525464	652311	1073199	1051785	1174205
Uttarakhand	41018	46332	48410	64676	72630	81118	102244
West Bengal	277173	273567	294345	360869	411487	478612	548455
Union Territories							
Chandigarh	12776	12428	8779	7556	6932	7030	7379
Andaman & Nocobar	2186	0	0	0	0	4063	5490
Dadra & Nagar Haveli	723	2094	0	476	824	817	821
Daman & Diu	4	#	1476	3	5	5	0
Grand Total (1+2+3)	**5989012**	**6296229**	**6394864**	**8070885**	**10037535**	**11143823**	**12498378**

* Provisional # included in Dadra & Nagar Haveli Note: Excludes Castrol sales tax payments on Lubricants

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

VII.5 Central Excise and Customs Tariff
(As on 01.04.2014)

	CENTRAL EXCISE			CUSTOMS		
DESCRIPTION OF GOODS	BASIC CENVAT	SPECIAL ADDL. EXCISE DUTY	ADDL. EXCISE DUTY	BASIC CUSTOMS DUTY	ADDL. CUSTOMS DUTY (CVD)	ADDL. CUSTOMS DUTY
Crude Petroleum	Nil+Rs. 4500/MT as Cess+Rs. 50/ MT as NCCD	N.A.	N.A	Nil +Rs. 50/MT as NCCD	Nil	N.A
Motor Spirit	Rs.1.20/Litre	Rs.6/Litre	Rs.2.00/Litre.	2.5%	Rs.1.20/Litre +	Rs.2.00/Litre.
Motor Spirit (branded)	Rs.7.50/Litre	Rs.6/Litre	Rs.2.00/Litre.	-	-	-
Naphtha - Non Fertilizers	14%	N.A.	N.A.	5%	14%	N.A.
Naphtha - Fertilizers	Nil	N.A.	N.A.	Nil	Nil	N.A.
Avgas	6%	N.A.	N.A.	Nil	6%	N.A.
A.T.F.	8%	N.A.	N.A.	Nil	8%	N.A.
NGL-Non Fertilizer	14%	N.A.	N.A.	5%	14%	N.A.
NGL-Fertilizer	Nil	N.A.	N.A.	Nil	Nil	N.A.
Kerosene (PDS)	Nil	N.A.	N.A.	Nil	Nil	N.A.
Kerosene (Non PDS)	14%	N.A.	N.A.	5%	14%	N.A.
HSD	Rs. 1.46/Litre	N.A.	Re.2.00/Litre.	2.5%	Rs. 1.46/Litre	Rs.2.00/Litre.
HSD (branded)	Rs.3.75/Litre	N.A.	Re.2.00/Litre.	-	-	-
L.D.O.	14%+Rs.2.50/Litre	N.A.	N.A.	5%	14%+Rs.2.50/lit	N.A.
Furnace Oil - Non Fertilizer	14%	N.A.	N.A.	5%	14%	N.A.
Furnace Oil - Fertilizer	Nil	N.A.	N.A.	Nil	Nil	N.A.
Transformer Oil	14%	N.A.	N.A.	5%	14%	N.A.
Lube oil/greases	14%	N.A.	N.A.	5%	14%	N.A.
LPG(Dom)	Nil	N.A.	N.A.	Nil	Nil	N.A.
LPG(Non-Dom)	8%	N.A.	N.A.	5%	8%	N.A.
Butane / Propane (Non-Dom)	8%	N.A.	N.A.	5%	8%	N.A.
Butane / Propane(Dom)	Nil	N.A.	N.A.	Nil	Nil	N.A.
LNG	NIL	N.A.	N.A.	5%	NIL	N.A.
Natural Gas[Gaseous state]	NIL	N.A.	N.A.	5%	Nil	N.A.
Natural Gas(compressed)	14%	N.A.	N.A.	5%	14%	N.A.
Petroleum Jelly	14%	N.A.	N.A.	5%	14%	N.A.
Waxes all types	14%	N.A.	N.A.	5%	14%	N.A.
Petroleum Coke	14%	N.A.	N.A.	2.50%	14%	N.A.
Petroleum Bitumen	14%	N.A.	N.A.	5%	14%	N.A.
Bitumen & Asphalt	14%	N.A.	N.A.	5%	14%	N.A.
LSHS/ HPS & other Res.- Non Fertilizer	14%	N.A.	N.A.	5%	14%	N.A.
LSHS/ HPS & other Res.- Fertilizers	NIL	N.A.	N.A.	5%	NIL	N.A.

NOTE: 1. Additional Duty of Customs @4% would be levied on all imported products except petrol, diesel, SKO(PDS),LPG(Dom),coal, coke and petroleum gases and fuels

2. In addition to above, Education Cess @2% on aggregate duties will be charged w.e.f. 9.7.2004 and additional 1% will be charged w.e.f. 1.3.2007

Manpower

VIII.1 Manpower employed in the Petroleum Industry in India

(Figures in Number)

Category	2007	2008	2009	2010	2011	2012	2013	2014
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*
1. Exploration & Production	38948	33935	33612	33351	33984	34986	31769	32463
2. Refining	28151	30128	32745	34036	31835	35768	32974	29728
3. Marketing	42970	44995	42183	41387	44535	47914	45702	48176
4. Pipelines	7510	8933	4598	4563	5536	4469	5945	7171
5. R&D	2029	1964	2076	2133	2007	1938	2314	2474
6. Others	15707	20001	23759	24395	23818	13936	16280	16186
Grand Total	**135315**	**139956**	**138973**	**139865**	**141715**	**138991**	**134984**	**136198**

Note: The figures are as on 1st April of each year.

Source: Public Sector Undertakings

VIII.2 Category-wise Manpower employed in the Petroleum Industry in India

(Figures in Number)

Category	2007	2008	2009	2010	2011	2012	2013	2014
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*
1. Executive/Managerial	44447	46387	49742	51486	55325	58914	58940	59966
2. Supervisory	13147	12964	13490	14197	14461	11244	11743	11360
3. Clerical	16820	15247	13879	13324	8112	8225	7722	7198
4. Workmen	38210	37266	35759	34420	35945	34708	33464	33546
5. Total	**112624**	**111864**	**112870**	**113427**	**113843**	**113091**	111869	112070
6. Expatriates/Foreign Experts/on Contract	22691	28092	26103	26438	27872	25900	23115	24128
Grand Total	**135315**	**139956**	**138973**	**139865**	**141715**	**138991**	**134984**	**136198**

Note: The figures are as on 1st April of each year.

2. Apart from the above, the 11319 & 9626 of manpower is engaged in Job Outsources during 2013 & 2014respectevely in GAIL India Ltd.

Source: Public Sector Undertakings

VIII.3 Category-wise manpower employed in various sectors of petroleum industry in India (As on 31st March)

(Figures in Number)

Category	2007	2008	2009	2010	2011	2012	2013	2014
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*
Exploration and Production								
1. Executive/Managerial	19459	17693	18391	18862	21727	21238	20991	20940
2. Supervisory	3510	2825	2822	2790	2853	2826	2702	2540
3. Clerical	8013	6256	5486	4937	720	1038	349	330
4. Workman	7940	7142	6908	6745	8666	9846	7632	8578
5. Sub-Total	**38922**	**33916**	**33607**	**33334**	**33966**	**34948**	**31674**	32388
6. Expatriates/Foreign Experts/on Contract	26	19	5	17	18	18	95	75
Total	**38948**	**33935**	**33612**	**33351**	**33984**	**34966**	**31769**	**32463**
VIII.2 Category-wise Manpower employed in the Petroleum Industry in India								
1. Executive/Managerial	5659	5975	8054	8466	8618	9398	9159	9286
2. Supervisory	3961	3988	4249	4383	4406	3655	3567	3439
3. Clerical	2216	1929	1959	2144	1927	2035	2262	2060
4. Workman	11208	11334	10926	10925	11010	10707	9682	9496
5. Sub-Total	**23044**	**23226**	**25188**	**25918**	**25961**	**25795**	**24670**	**24281**
6. Expatriates/Foreign Experts/on Contract	5107	6902	7557	8099	5874	9973	8304	5447
Total	**28151**	**30128**	**32745**	**34017**	**31835**	**35768**	**32974**	**29728**
Marketing								
1. Executive/Managerial	10429	10841	11006	11188	11517	13979	14094	14754
2. Supervisory	3845	4015	4378	4421	4779	3160	3168	3113
3. Clerical	4413	4350	3973	3671	3929	3887	3752	3550
4. Workman	14621	14046	13487	12875	12252	11524	11494	10917
5. Sub-Total	**33308**	**33252**	**32844**	**32155**	**32477**	**32550**	**32508**	**32334**
6. Expatriates/Foreign Experts/on Contract	9662	11743	9339	9303	12058	15364	13194	15842
Total	**42970**	**44995**	**42183**	**41458**	**44535**	**47914**	**45702**	**48176**

Note: The figures are as on 1st April of each year.

Source: Public Sector Undertakin

Energy

IX.1 Gross Production of Energy by Various Sources in India

Year	Coal & Lignite			Hydro-Carbon			Power					
	Coal	Lignite	Total	Natural Gas (MCM)	Crude Oil	Petroleum Products**	Utilities				Non-Utilities	Gross Electricity Generation
	(..... Million Tonnes.....)				(.... '000' Tonnes ...)		Thermal	Hydel	Nuclear	RES		
							(.....Billion GWH.....)					
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*
2007-08	457.08	33.98	491.06	32417	34118	149472	585.30	120.40	16.90	-	90.50	813.10
2008-09	492.76	32.42	525.18	32845	33508	155148	616.20	110.10	14.90	-	99.70	840.90
2009-10	532.04	34.07	566.11	47496	33690	184608	677.10	104.10	18.60	-	106.10	906.00
2010-11	532.70	37.73	570.81	52219	37684	194821	704.30	114.42	26.27	39.24	120.92	965.67
2011-12	539.95	42.33	582.28	47559	38090	203202	759.40	130.51	33.30	51.23	128.20	1056.84
2012-13	556.40	46.45	602.85	40679	37862	217736	760.45	113.72	32.87	57.45	144.01	1108.50
2013-14*	565.64	44.27	609.91	35407	37788	220756	792.48	134.85	34.23	61.06	151.21	1173.82

* : Provisional **: Include Production from Fractionators(ONGC,OIL& Gail)

Source : Economic Survey, M/o Coal and CEA, M/o Power

IX.2 (a) Gross Domestic Product By Economic Activity

(at Constant Price 2004-05)

(Figures in Rs. Crore)

Sectors	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
1	*2*	*3*	*4*	*5*	*6*	*7*
1. (a) Petroleum & Natural Gas	47553	46923	50982	56820	56046	54034
(b) Petroleum Products $	59084	60236	60808	68374	48841	51748
(c) Total	106637	107158	111789	125194	104886	105782
2. Railways	38235	41161	44763	47404	50963	51112
3. Transport by other means	219969	231564	248380	268669	291886	311173
4. Storage	2375	2711	3233	3353	3450	3748
5. Communications	93928	117465	154496	188246	209332	223012
6. Electricity	65986	68422	72704	76673	82879	84990
7. Gas	5642	6354	6476	6525	7488	7233
8. Water Supply	7801	8274	9038	9663	10279	10700
9. GDP at factor cost	3896636	4158676	4516071	4918533	5247530	5482111
10. Contribution of P&NG* in GDP at factor cost	2.74	2.58	2.48	2.55	2.00	1.93

Growth Rate (%)

Sectors	2008-09	2009-10	2010-11	2011-12	2011-13	CAGR**
1. (a) Petroleum & Natural Gas	-1.33	8.65	11.45	-1.36	-3.59	2.15
(b) Petroleum Products	1.95	0.95	12.44	-28.57	5.95	-2.19
(c) Total	0.49	4.32	11.99	-16.22	0.85	-0.13
2. Railways	7.65	8.75	5.90	7.51	0.29	4.96
3. Transport by other means	5.27	7.26	8.17	8.64	6.61	5.95
4. Storage	14.15	19.25	3.71	2.89	8.64	7.90
5. Communications	25.06	31.53	21.85	11.20	6.54	15.50
6. Electricity	3.69	6.26	5.46	8.09	2.55	4.31
7. Gas	12.63	1.91	0.77	14.76	-3.41	4.23
8. Water Supply	6.06	9.24	6.91	6.37	4.09	5.41
9. GDP at factor cost	6.72	8.59	8.91	6.69	4.47	5.85

Note: * including Petroleum Products

** : Compound Annual Growth Rate in 2012-13 over 2007-08.

$: Estimated contribution at 81% of petroleum sector in rubber +petroleum in manufacturing GDP of POL using domestic product for petroleum products & value of output for mining items.

Source : National Accounts Statistics, 2014

IX.2 (b) Gross Domestic Product By Economic Activity
(at Current Prices)

(Figures in Rs. Crore)

Sectors	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
1	*2*	*3*	*4*	*5*	*6*	*7*
1. (a) Petroleum & Natural Gas	60693	65330	78408	97779	102640	101713
(b) Petroleum Products $	73518	84723	82978	105220	85040	97452
(c) Total	134212	150053	161385	202999	187680	199166
2. Railways	43608	47478	55571	56877	62710	70616
3. Transport by other means	254404	289327	325126	387533	456754	529037
4. Storage	2716	3213	4211	4649	5496	6446
5. Communications	66069	75430	86483	80099	89747	102731
6. Electricity	67317	73309	92303	94490	105494	123567
7. Gas	7274	7069	8449	9591	12334	13075
8. Water Supply	9239	10692	13131	15479	17842	20490
9. GDP at factor cost	4582086	5303567	6108903	7248860	8391691	9388876
10.Contribution of P&NG* in GDP at factor cost	2.93	2.83	2.64	2.80	2.24	2.12

Growth Rate (%)

Sectors	2008-09	2009-10	2010-11	2011-12	2012-13	CAGR**
1. (a) Petroleum & Natural Gas	7.64	20.02	24.71	4.97	-0.90	8.99
(b) Petroleum Products $	15.24	-2.06	26.81	-19.18	14.60	4.81
(c) Total	11.80	7.55	25.79	-7.55	6.12	6.80
2. Railways	8.87	17.05	2.35	10.26	12.61	8.37
3. Transport by other means	13.73	12.37	19.19	17.86	15.83	12.98
4. Storage	18.30	31.06	10.40	18.22	17.29	15.49
5. Communications	14.17	14.65	-7.38	12.05	14.47	7.63
6. Electricity	8.90	25.91	2.37	11.65	17.13	10.65
7. Gas	-2.82	19.52	13.52	28.60	6.01	10.27
8. Water Supply	15.73	22.81	17.88	15.27	14.84	14.20
9. GDP at factor cost	15.75	15.18	18.66	15.77	11.88	12.70

Note: * including Petroleum Products ** : Compound Annual Growth Rate in 2012-13 over 2007-08.

$: Estimated contribution at 81% of petroleum sector in rubber +petroleum in manufacturing GDP of POL using domestic product for petroleum products & value of output for mining items.

Source : National Accounts Statistics, 2014

Plan Performance

X.1 11th -12th Five Year Plan Outlay & Actual Expenditure for P&NG Sector

Companies	Outlay 11th Plan	Actual Expenditure 11th Plan	% of Actual to BE of 11th Plan	12th Plan Budget Estimates	2012-13		2013-14		2014-15
					Budget Estimate	Actual Expenditure	Budget Estimate	Actual (Provisional)	Budget Estimate
1	2	3	4	5	6	7	8	9	10
EXPLORATION & PRODUCTION									
ONGC-OVL	45334.00	39275.81	86.64	68469.73	7909.90	10891.41	9491.88	35300.46	14792.00
ONGC	75983.78	120552.29	158.66	162842.06	33065.31	29507.91	35049.23	31114.44	36059.07
OIL	13439.02	8191.51	60.95	18986.06	3378.29	2890.03	3580.99	11733.72	3632.00
GAIL*	10326.83	17866.85	173.01	21087.20	5866.77	2965.00	4376.50	1538.65	1486.83
IOCL	2982.00	1340.65	44.96	6256.06	650.00	389.88	689.00	6789.28	764.00
HPCL	2000.00	577.30	28.87	646.00	300.00	55.99	346.00	196.75	38.33
BPCL	868.00	2429.24	279.87	5501.42	1157.00	1873.51	1226.42	1572.00	730.00
Sub Total	**150933.63**	**190233.65**	**126.04**	**283788.52**	**52327.27**	**48573.73**	**54760.01**	**88245.30**	**57502.23**
REFINERY & MARKETING									
HPCL	8714.00	11177.62	128.27	20721.77	3156.93	2827.66	3724.84	2,481.60	3730.00
BPCL	11344.80	7305.60	64.40	28467.32	3322.00	1956.08	3521.32	2,847.00	4520.00
CPCL (IOCL)	3275.00	2640.23	80.62	4351.68	785.68	260.56	299.27	216.63	1102.00
IOCL	30604.18	34253.61	111.92	42376.70	8900.00	8655.72	9434.00	9,463.75	9724.80
NRL (BPCL)	515.00	548.18	106.44	8223.88	249.00	137.80	368.88	359.28	177.65
MRPL (ONGC)	8643.02	9090.51	105.18	7050.47	3813.00	1974.55	2347.47	1,389.69	800.15
Sub Total	**63096.00**	**65015.75**	**103.04**	**111191.82**	**20226.61**	**15812.37**	**19695.78**	**16,757.95**	**20054.60**
PETROCHEMICAL									
HPCL	773.00	30.91	4.00	376.10	10.50	0.00	10.60	0.00	5.00
GAIL	1618.00	1921.68	118.77	7077.53	3580.50	2997.00	3135.00	2.531.39	1617.79
IOCL	11844.10	13060.51	110.27	8544.00	450.00	332.51	1153.76	407.58	886.20
CPCL	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
MRPL	83.00	603.21	726.76	4831.01	3004.00	137.00	177.01	198.72	500.00
NRL	110.00	104.10	94.64	23.00	23.00	22.80	0.00	0.00	0.00
SUB TOTAL	**14728.10**	**15720.41**	**106.74**	**20851.64**	**7068.00**	**3489.31**	**4476.37**	**3,137.69**	**3008.99**
ENGINEERING									
Balmer Lawrie	205.00	155.34	75.78	220.00	55.00	67.28	70.00	107.37	62.00
Biecco Lawrie	31.00	0.00	0.00	31.00	8.00	0.00	7.00	0.00	7.00
Sub Total	**236.00**	**155.34**	**65.82**	**251.00**	**63.00**	**67.28**	**77.00**	**107.37**	**69.00**
Total PNG Sector	**228993.73**	**271125.15**	**118.40**	**416082.98**	**79684.88**	**67942.69**	**79009.16**	**108248.31**	**80634.82**
GROSS BUDGETARY SUPPORT (GBS)									
Rajiv Gandhi Institute of Petroleum	285.00	58.54	20.54	199.00	41.00	19.43	41.00	16.55	42.00
One Time Assistance for LPG Connection **	0.00	0.00	0.00	0.00	1.00	0.00	1.00	0.00	0.00
ISPRL $	0.00	0.00	0.00	4948.00	1.00	0.00	1.00	0.00	1.00
Total GBS	**285.00**	**58.54**	**20.54**	**5147.00**	**43.00**	**19.43**	**43.00**	**16.55**	**43.00**
GRAND TOTAL	**229278.73**	**271183.69**	**118.28**	**421229.98**	**79727.88**	**67962.12**	**79052.16**	**108264.86**	**80677.82**

*: Amount in E&P activities includes amount for Pipeline Network under 11th Plan Outlay.

$: Schemes yet to be approved by the Cabinet.

**: It has since been decided that the scheme on LPG Connections to BPL Families would not be taken from the GBS and funds would be provided from CSR funds of PSUs in the P&NG Sector

X.2 Dividend paid by PSUs under the Ministry of Petroleum and Natural Gas

(Figures in Rs. Crore)

S. No.	Name of Company	Dividend paid to Govt by PSUs		
		2011-12	2012-13	2013-14
1	Oil & Natural Gas Corp. Ltd. (ONGC)	8342.00	8128.00	8127.72
2	Oil India Ltd. (OIL)	1142.15	1803.41	1292.45
3	GAIL (INDIA) Ltd.	1104.00	1218.00	1319.21
4	Indian Oil Corp. Ltd. (IOCL)	1213.98	1505.33	2112.32
5	Hindustan Petroleum Corp. Ltd. (HPCL)	287.83	287.83	524.87
6	Bharat Petroleum Corp. Ltd. (BPCL)	397.70	795.39	1229.24
7	Engineers India Ltd. (EIL)	202.15	202.16	219.01
8	Chennai Petroleum Corp. Ltd. (CPCL)	29.78	0.00	0.00
9	Biecco Lawrie Ltd.	0.00	0.00	Nil
10	Balmer Lawrie Ltd.	45.6	50.16	51.30
11	Numaligarh Refinery Ltd. (NRL)	73.56	73.56	117.70
12	Mangalore Refinery & Petrochemicals Ltd	203.69	0.00	Nil
13	ONGC (Videsh) Ltd. (OVL)	0.00	0.00	Nil
14	**Total**	**13042.44**	**14063.84**	**14993.82**

X.3 Equity Capital of PSUs under the Ministry of Petroleum and Natural Gas

(Figures in Rs. Crore)

S. No.	Name of the PSU	Authorised Capital	Paid up Capital	Govt. equity in the PSU
		2013-14		
1	Oil & Natural Gas Corp. Ltd. (ONGC)	15000.00	4277.76	68.94
2	Oil India Ltd. (OIL)	2000.00	601.14	67.64
3	GAIL (INDIA) Ltd.	2000.00	1268.48	56.11
4	Indian Oil Corp. Ltd. (IOCL)	6000.00	2427.95	68.57
5	Hindustan Petroleum Corp. Ltd. (HPCL)	350.00	338.63	51.11
6	Bharat Petroleum Corp. Ltd. (BPCL)	2500.00	723.08	54.93
7	Engineers India Ltd. (EIL)	300.00	168.47	69.37
8	Chennai Petroleum Corp. Ltd. (CPCL)	400.00	149.00	Nil
9	Biecco Lawrie Ltd.	75.00	74.76	32.23
10	Balmer Lawrie Ltd.	60.00	28.50	0.00
11	Numaligarh Refinery Ltd. (NRL)	1000.00	735.63	12.35
12	Mangalore Refinery & Petrochemicals Ltd	2000.00	1752.66	Nil
13	ONGC (Videsh) Ltd. (OVL)	10000.00	10000.00	Nil
14	**Total**	**41685.00**	**22546.06**	**481.25**

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

X.4 Profit earned by PSUs under the Ministry of Petroleum and Natural Gas

(Figures in Rs. Crore)

Name of PSUs	Profit after tax during						
	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*
Indian Oil Corporation Ltd.	7806.82	2950.00	10221.00	7445.48	3954.62	5005.17	7019.09
Bharat Petroleum Corporation Ltd.	1805.00	736.00	1536.00	1546.48	1311.27	2642.9	4060.88
Hindustan Petroleum Corporation Ltd.	1571.00	575.00	1301.00	1539.01	911.43	904.71	1733.77
Oil & Natural Gas Corporation Ltd.	15643.00	16126.00	16126.00	18924.00	25123.00	20926	22094.81
Oil India Ltd.	1640.00	2162.00	2611.00	2888.00	3446.92	3,589.34	2,981.30
GAIL (India) Ltd.	2387.00	2804.00	3140.00	3561.00	3654.00	4,022.00	4,375.27
Engineers India Ltd.	143.00	345.00	436.00	522.52	636.32	628.58	479.76
Chennai Petroleum Corporation Ltd.	565.00	-397.00	603.00	511.52	61.83	-1766.84	-303.85
Biecco Lawrie Ltd.	-	-	-	3.75	-15.27	-14.74	-15.08
Balmer Lawrie Ltd.	-	-	-	117.80	138.07	162.77	156.67
Numaligarh Refineries Ltd.	569.00	236.00	232.00	279.26	183.70	144.26	371.09
Mangalore Refinery & Petrochemicals Ltd.	526.00	1193.00	1112.00	1176.63	908.58	-756.91	601.18
ONGC (Videsh) Ltd. (OVL)	2397.14	NA	2089.58	2690.55	2721.15	3,929.14	4,445.32
Total	**35052.96**	**26730.00**	**39407.58**	**41206.00**	**43035.62**	**39416.38**	**48000.21**

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

X.5 Performance of PSUs under the Ministry of Petroleum and Natural Gas during 2013-14

Performance Parameters	Unit	ONGC	OVL	IOC	GAIL	HPCL	OIL	BPCL	CPCL	MRPL	NRL	EIL	Balmer Lawrie Ltd.	Biecco Lawrie
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Authorised Capital	Rs./Crore	15000.00	10000.00	6000.00	2000.00	350.00	2000.00	2500.00	400.00	2000.00	1000.00	300.00	60.00	75.00
Paid up Capital	Rs./Crore	4277.76	10000.00	2427.95	1268.48	338.63	601.14	723.08	149.00	1752.66	735.63	168.47	28.50	74.76
Govt. equity in the PSU	% age	68.94	Nil	68.57	56.11	51.11	67.64	54.93	Nil	Nil	12.35	69.37		32.23
Gross Turnover	Rs./Crore	84202.78	22224.20	457553.25	58012.06	232188.35	9612.70	270910.31	53923.70	75226.10	9876.76	1823.59	2842.89	40.91
PAT	Rs./Crore	22094.81	4445.32	7019.09	4375.27	1733.77	2981.30	4060.88	-303.85	601.18	371.09	479.76	156.67	-15.08
Debt equity ratio	Ratio	0.00	0.52:1	1.31:1	0.38:1	1.05:1	0.47:1	1.04	3.25	1.35	0.18:1	Nil	Debt free	NA
Reserves & Surpluses	Rs./Crore	132447.25	31548.82	63564.13	25803.85	14673.15	20107.04	18735.68	1573.45	5316.21	2255.20	2293.29	791.14	-91.72
Net worth	Rs./Crore	135631.14	41548.82	65992.08	26858.08	15012.16	20708.18	19458.76	1722.45	7068.88	2990.83	2461.76	819.64	-16.96
Dividend paid / payable	Rs./Crore	8127.72	Nil	2112.32	1319.21	524.87	1292.45	1229.24	0.00	Nil	117.70	219.01	51.30	Nil
Dividend as a% age of	% age	190.00	Nil	87.00	104.00	155.00	215.00	170.00	0.00	Nil	16.00	130.00	32.74	NA
Dividend as a % age of PAT	% age	36.79	Nil	30.09	30.15	30.27	43.35	30.27	0.00	Nil	31.72	45.65	180.00	NA
EPS	Rs.	25.83	49.49	28.91	34.49	51.20	49.59	56.16	-20.40	3.43	5.04	14.24	54.97	-2.02
Pay-out Ratio	% age	36.79	Nil	30.09	30.15	30.27	43.35	30.27	0.00	Nil	31.75	45.65	38.31	NA
Total outstanding loan	Rs./Crore	0.00	35047.38	86262.79	10268.00	32164.55	9782.69	20321.56	5599.62	9792.72	768.30	Nil	Nil	15.78

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

X.6 Resources of Public Enterprises of Petroleum & Natural Gas Sector

(Figures in Rs. Crore)

Name of the Public Enterprises	Plan Outlay 2013-14 (R.E.)	Budget 2013-14					Plan Outlay 2014-15 (B.E.)	Budget 2014-15				
		Internal Resources	Bonds/ Debentures	E.C.B./ Suppliers Credit	Other	Total		Internal Resources	Bonds/ Debentures	E.C.B./ Suppliers Credit	Other	Total
1	*2*	*9*	*10*	*11*	*12*	*13*	*8*	*9*	*10*	*11*	*12*	*13*
1. Balmer Lawrie and Company Ltd.	70.00	70.00	0.00	0.00	0.00	70.00	62.00	62.00	0.00	0.00	0.00	62.00
2. Bharat Petroleum Corporation Ltd.	3618.00	3618.00	0.00	0.00	0.00	3618.00	5250.00	5250.00	0.00	0.00	0.00	5250.00
3. Biecco Lawrie Ltd.	7.00	7.00	0.00	0.00	0.00	7.00	7.00	7.00	0.00	0.00	0.00	7.00
4. Gas Authority of India Ltd.	5481.93	5481.93	0.00	0.00	0.00	5481.93	3104.62	3104.62	0.00	0.00	0.00	3104.62
5. Hindustan Petroleum Corporation Ltd.	2754.67	2754.67	0.00	0.00	0.00	2754.67	3773.33	3773.33	0.00	0.00	0.00	3773.33
6. Indian Oil Corporation Ltd.	11826.00	11826.00	0.00	0.00	0.00	11826.00	11375.00	11375.00	0.00	0.00	0.00	11375.00
7. Chennai Petroleum Corporation Ltd.	192.00	192.00	0.00	0.00	0.00	192.00	1102.00	1102.00	0.00	0.00	0.00	1102.00
8. Numaligarh Refinery Ltd.	293.00	293.00	0.00	0.00	0.00	293.00	177.65	177.65	0.00	0.00	0.00	177.65
9. Oil & Natural Gas Corporation	35049.06	35049.06	0.00	0.00	0.00	35049.06	36059.07	36059.07	0.00	0.00	0.00	36059.07
10. Oil India Ltd.	10439.00	10439.00	0.00	0.00	0.00	10439.00	3632.00	3632.00	0.00	0.00	0.00	3632.00
11. Oil & Natural Gas Corporation-Videsh Ltd.	36117.46	36117.46	0.00	0.00	0.00	36117.46	14792.00	14792.00	0.00	0.00	0.00	14792.00
12. Mangalore Refineries & Petro-Chemicals Ltd.	1542.84	1542.84	0.00	0.00	0.00	1542.84	1300.15	1300.15	0.00	0.00	0.00	1300.15
Total	**107390.96**	**107390.96**	**0.00**	**0.00**	**0.00**	**107390.96**	**80634.82**	**80634.82**	**0.00**	**0.00**	**0.00**	**80634.82**

Source: Expenditure Budget 2014-15(Vol.-I)

X.7 Estimates of Crude Oil Production in 12th Plan *(2012-17)

(Fig. in MMT)

Company	Crude Oil Production					Total
	2012-13 (Actual)	2013-14 (Actual)	2014-15	2015-16	2016-17	
ONGC	22561	22246	28002	26286	25456	124551
OIL	3661	3466	4060	4160	4200	19547
Pvt/JV	11640	12076	12700	12100	11500	60016
Total	**37862**	**37788**	**44762**	**42546**	**41156**	**204114**

* Working Group Report of the Petroleum & Natural Gas Sector- (2012-17)

X.8 Estimates for Natural Gas Production in 12th Plan* (2012-17)

(Fig. in MMSCM)

Company	Natural Gas Production					Total
	2012-13 (Actual)	2013-14 (Actual)	2014-15	2015-16	2016-17	
ONGC	23549	23284	26669	28215	38676	140393
OIL	2639	2626	4000	4100	4200	17565
Pvt/JV	14491	9497	16500	18500	21000	79988
Total	**40679**	**35407**	**47169**	**50815**	**63876**	**237946**
Total (MMSCMD)	**110**	**96**	**127**	**137**	**172**	**642**

Note: Natural Gas Production estimates (revised as on 3oth April, 2012)

* Working Group Report of the Petroleum & Natural Gas Sector- (2012-17)

X.9 Estimated Total Gas Availability during 12th Plan *(2012-17)

(Fig. in MMSCMD)

Source	Gas Availability during 12th Plan					Total
	2012-13 (Actual)	2013-14 (Actual)	2014-15	2015-16	2016-17	
Domestic Sources	108.99	94.91	170.00	177.00	209.00	759.90
Imports-LNG	47.60	47.39	87.00	129.00	150.00	460.99
Total Availability	**156.59**	**142.30**	**257.00**	**306.00**	**359.00**	**1220.88**

* Working Group Report of the Petroleum & Natural Gas Sector- (2012-17)

X.10 Oil and Natural Gas Production Target of OVL from Assets Abroad in 12th Plan

Projects	Particulars	Production Estimates					
Producing Assets		**2012-13***	**2013-14***	**2014-15**	**2015-16**	**2016-17**	**Total**
	Oil (MMT)	4.330	5.399	6.346	6.567	6.555	32.300
Producing Assets	Gas (BCM)	2.918	2.868	2.183	2.196	2.573	12.132
	Oil and Gas (MMTOE)	7.248	8.267	8.529	8.763	9.129	44.433
	Oil	0.002	0.021	0.670	1.052	1.419	3.428
Development Assets	Gas	0.000	0.001	0.810	0.910	0.910	3.030
	Oil and Gas (MMTOE)	0.002	0.022	1.484	1.957	2.324	6.461
Exploratory Asset	Oil	0.000	0.000	0.214	0.210	0.183	0.863
(Syria Block 24)	Gas	0.000	0.000	--	--	--	--
	Oil and Gas (MMTOE)	0.000	0.000	0.214	0.210	0.183	0.863
Existing Assets	Total Oil (MMT)	4.332	5.420	7.230	7.829	8.157	36.591
Total	Total Gas (BCM)	2.918	2.869	2.997	3.101	3.478	15.165
	Total Oil & Gas (MMTOE)	*7.250*	***8.289***	***10.228***	***10.930***	***11.636***	***51.757***
New Ventures	Oil & Gas (MMTOE)	0.011	0.068	1.990	3.050	4.110	10.080
Grand Total	**Existing + NV (MMTOE)**	7.260	8.357	12.218	13.980	15.746	61.837

Source: Working Group Report of the Petroleum and Natural Gas Sector(2012-17) *:Actual

X.11 Estimated Refining Capacity in 12th Plan (2012-17)

(Figures in MMTPA)

Company	Refinery Location	Refining Capacity				
		2012-13*	2013-14 **	2014-15 ***	2015-16	2016-17
IOCL	Digboi	0.65	0.65	0.65	0.65	0.65
	Guwahati	1.00	1.00	1.00	1.00	1.00
	Barauni	6.00	6.00	6.00	6.00	6.00
	Koyali	13.70	13.70	13.70	18.00	18.00
	Haldia	7.50	7.50	7.50	8.00	8.00
	Bongaigaon	2.35	2.35	2.35	2.35	2.35
	Mathura	8.00	8.00	8.00	8.00	11.00
	Panipat	15.00	15.00	15.00	15.00	15.00
	Paradip	0.00	0.00	0.00	15.00	15.00
	Sub-total	***54.20***	***54.20***	***54.20***	***74.00***	***77.00***
CPCL	Manali	10.50	10.50	10.50	11.10	11.10
	Nagapattinam	1.00	1.00	1.00	1.00	1.00
	Sub-total	***11.50***	***11.50***	***11.50***	***12.10***	***12.10***
HPCL	Mumbai	6.50	6.50	6.50	8.20	8.20
	Visakh	8.30	8.30	8.30	**9.00**	15.00
	New Refinery					9.00
	Sub-total	***14.80***	***14.80***	***14.80***	***17.20***	***32.20***
BPCL	Mumbai	12.00	12.00	12.00	13.50	13.50
	Kochi	9.50	9.50	9.50	15.50	15.50
	Sub-total	***21.50***	***21.50***	***21.50***	***29.00***	***29.00***
NRL	Numaligarh	3.00	3.00	3.00	3.00	8.00
BORL	Bina	6.00	6.00	6.00	7.20	9.00
HMEL	Bhatinda	9.00	9.00	9.00	9.00	9.00
MRPL	Mangalore	15.00	15.00	15.00	16.50	18.00
ONGC	Tatipaka	0.066	0.066	0.066	0.066	0.066
	Sub-total	***33.07***	***33.07***	***33.07***	***35.77***	***44.07***
Total PSU/JV refineries		**135.066**	**135.066**	**135.066**	**168.066**	**194.366**
Reliance	DTA, Jamnagar	33.00	33.00	33.00	33.00	33.00
	SEZ, Jamnagar	27.00	27.00	27.00	27.00	27.00
	Sub-total	***60.00***	***60.00***	***60.00***	***60.00***	***60.00***
ESSAR	Jamnagar	18.00	20.00	20.00	30.80	38.00
Nagarjuna	Cuddalore	0.00	0.00	0.00	6.10	15.00
Total Private Refineries		**78.00**	**80.00**	**80.00**	**96.90**	**113.00**
GRAND TOTAL		**213.066**	**215.066**	**215.066**	**264.966**	**307.366**

Note: ***: as on 01.04.2014 **: as on 01.04.2013 *: as on 01.04.2012

X.12 Estimated Demand for Petroleum Products in 12th Plan (2012-17)

(Fig. in MMT)

Products	Demand of Petroleum Products					Total
	2012-13*	2013-14*	2014-15	2015-16	2016-17	
1. Petroleum Products ('000MT)						
LPG	15.60	16.34	19.68	20.86	21.83	94.30
MS	15.74	17.13	19.08	20.77	22.59	95.31
NAPHTHA/NGL	12.29	11.45	11.42	11.02	11.02	57.20
ATF	5.27	5.50	7.20	7.85	8.54	34.37
SKO	7.50	7.16	7.33	7.03	6.75	35.78
HSDO	69.08	68.37	72.59	76.90	81.60	368.54
LDO	0.40	0.39	0.40	0.40	0.40	1.98
LUBES	3.20	2.89	2.86	2.95	3.04	14.92
FO/LSHS	7.66	6.19	7.90	7.87	7.87	37.49
BITUMEN	4.68	4.94	5.73	5.97	6.11	27.43
PET COKE	10.13	11.65	8.35	9.27	10.29	49.69
OTHERS	5.51	6.18	6.11	6.09	6.16	30.05
Total (Petroleum Products)	**157.06**	**158.20**	**168.64**	**176.97**	**186.21**	**847.07**
2. Natural Gas (MMSCMD)	**107.40**	**93.52**	**405.00**	**446.00**	**473.00**	**1524.92**

Source: Working Group Report of the Petroleum and Natural Gas Sector(2012-17) *:Actual

X.13 Estimated Production of Petroleum Products in 12th Plan (2012-17)

(Fig. in MMT)

Products	2012-13*	2013-14*	2014-15	2015-16	2016-17	Total
1. Crude Processing	**219.212**	**222.497**	**247.008**	**261.828**	**286.618**	**1237.163**
2. Petroleum Products						
LPG	9.82	10.030	10.659	11.358	13.087	54.959
Naphtha	19.02	18.505	18.695	20.088	22.713	99.020
MS	30.12	30.275	32.679	36.003	38.763	167.838
HSD	91.10	93.759	100.178	106.222	116.520	507.781
ATF	10.09	11.220	12.843	14.316	16.037	64.504
SKO	7.97	7.418	8.980	9.400	9.743	43.512
LDO	0.40	0.423	0.338	0.163	0.218	1.541
FO/LSHS	15.05	13.405	11.408	11.186	10.084	61.137
BITUMEN	4.67	4.785	5.595	5.446	5.620	26.116
LUBES & GREASES	0.90	0.941	0.883	0.895	1.302	4.917
OTHERS	28.59	29.99	29.54	31.70	35.52	155.350
Total (Petroleum Products)	**217.74**	**220.756**	**231.797**	**246.776**	**269.611**	**1186.677**

Source: Working Group Report of the Petroleum and Natural Gas Sector(2012-17) *:Actual

International Petroleum Statistics

XI.1 (a) World Proved Reserves of Crude Oil

(at end 2013)

Country/ Region	Thousand million tonnes	Thousand million barrels	Share of toral	R/P ratio
1	*2*	*3*	*4*	*5*
US	5.4	44.2	2.27%	12.1
Canada	28.1	174.3	11.80%	*
Mexico	1.5	11.1	0.63%	10.6
Total North America	**35.0**	**229.6**	**14.70%**	**44.8**
Argentina	0.3	2.4	0.13%	9.8
Brazil	2.3	15.6	0.97%	20.9
Colombia	0.3	2.4	0.13%	5.7
Ecuador	1.2	8.2	0.50%	42.6
Peru	0.2	1.4	0.08%	43.5
Trinidad & Tobago	0.1	0.8	•	16.9
Venezuela	46.6	298.3	19.57%	*
Other S. & Cent. America	0.1	0.5	•	13.7
Total S. & Cent. America	**51.1**	**329.6**	**21.46%**	*
Azerbaijan	1	7	0.42%	21.6
Denmark	0.1	0.7	•	11.5
Italy	0.2	1.4	0.08%	35.7
Kazakhstan	3.9	30.0	1.64%	46.5
Norway	1.0	8.7	0.42%	12.0
Romania	0.1	0.6	•	24.4
Russian Federation	12.7	93.0	5.33%	23.9
Turkmenistan	0.1	0.6	•	8.8
United Kingdom	0.4	3	0.17%	9.9
Uzbekistan	0.1	0.6	•	34.5
Other Europe & Eurasia	0.3	2.2	0.13%	15.3
Total Europe & Eurasia	**19.9**	**140.8**	**8.36%**	**23.8**
Iran	21.6	157.0	9.07%	*
Iraq	20.2	150.0	8.48%	*
Kuwait	14.0	101.5	5.88%	92.5
Oman	0.7	5.5	0.29%	15.2
Qatar	2.6	25.1	1.09%	30.9
Saudi Arabia	36.5	265.9	15.33%	67.3
Syria	0.3	2.5	0.13%	*
United Arab Emirates	13.0	97.8	5.46%	78.5
Yemen	0.4	3.0	0.17%	54.1
Other Middle East	†	0.3	•	3.4
Total Middle East	**109.3**	**808.6**	**45.91%**	**82.2**

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XI.1 (a) World Proved Reserves of Crude Oil
(at end 2013)

Country/ Region	Thousand million tonnes	Thousand million barrels	Share of total	R/P ratio
1	*2*	*3*	*4*	*5*
Algeria	1.5	12.2	0.6%	21.8
Angola	1.7	12.7	0.7%	19.5
Chad	0.2	1.5	0.1%	40.0
Rep. of Congo (Brazzaville)	0.2	1.6	0.1%	13.8
Egypt	0.5	3.9	0.2%	14.5
Equatorial Guinea	0.2	1.7	0.1%	13.7
Gabon	0.3	2.0	0.1%	25.4
Libya	6.3	48.5	2.6%	*
Nigeria	5.0	37.1	2.1%	44.9
South Sudan	0.5	3.5	0.2%	*
Sudan	0.2	1.5	0.1%	33.3
Tunisia	0.1	0.4		33.3
Other Africa	0.5	3.7	0.2%	48.1
Total Africa	**17.2**	**130.3**	**7.2%**	**41.1**
Australia	0.4	4.0	0.2%	22.3
Brunei	0.1	1.1		15.2
China	2.5	18.1	1.0%	12.0
India	0.8	5.7	0.3%	19.0
Indonesia	0.5	3.7	0.2%	11.7
Malaysia	0.5	3.7	0.2%	16.9
Thailand	0.1	0.4		6.0
Vietnam	0.6	4.4	0.3%	35.3
Other Asia Pacific	0.1	1.1		8.8
Total Asia Pacific	**5.6**	**42.2**	**2.4%**	**14.3**
Total World	**238.1**	**1668.9**	**100%**	**57.6**

* More than 100 years. †: Less than 0.05

Less than 0.05%.

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 and Chinese reserves based on information in the public domain. Canadian oil sands 'under active development' arean official estimate. Venezuelan Orinoco Belt reserves are based on the OPEC Secretariat and government announcements.

Reserves include gas condensate and natural gas liquids (NGLs) as well as crude oil.

Shares of total and R/P ratios are calculated using thousand million barrels figures.

Source: BP Statistical Review of World Energy, June 2014.

XI.1 (b) World Proved Reserves of Natural Gas

(at end 2013)

Country/ Region	Trillion cubic feet	Trillion cubic metres	Share of total	R/P ratio
1	*2*	*3*	*4*	*5*
US	330.00	9.30	5.00%	14.83
Canada	71.40	2.00	1.08%	14.36
Mexico	12.30	0.30	0.16%	5.88
Total North America	**413.70**	**11.60**	**6.24%**	**14.19**
Argentina	11.10	0.30	0.16%	9.38
Bolivia	11.20	0.30	0.16%	15.96
Brazil	15.90	0.50	0.27%	26.04
Colombia	5.70	0.20	0.11%	17.54
Peru	15.40	0.40	0.22%	36.36
Trinidad & Tobago	12.40	0.40	0.22%	10.36
Venezuela	196.80	5.60	3.01%	*
Other S. & Cent. America	2.20	0.10	0.05%	43.48
Total S. & Cent. America	**270.70**	**7.80**	**4.19%**	**49.09**
Azerbaijan	31.00	0.90	0.48%	62.07
Denmark	1.20	†	•	7.00
Germany	1.70	†	•	5.90
Italy	1.80	0.10	0.05%	15.63
Kazakhstan	53.90	1.50	0.81%	90.36
Netherlands	30.10	0.90	0.48%	14.56
Norway	72.40	2.00	1.08%	20.43
Poland	4.10	0.10	0.05%	26.32
Romania	4.10	0.10	0.05%	10.10
Russian Federation	1103.60	31.30	16.83%	57.51
Turkmenistan	617.30	17.50	9.41%	*
Ukraine	22.70	0.60	0.32%	34.68
United Kingdom	8.60	0.20	0.11%	6.10
Uzbekistan	38.30	1.10	0.59%	22.13
Other Europe & Eurasia	8.80	0.20	0.11%	29.85
Total Europe & Eurasia	**1999.60**	**56.50**	**30.38%**	**60.78**
Bahrain	6.70	0.20	0.11%	14.08
Iran	1192.90	33.80	18.17%	*
Iraq	126.70	3.60	1.94%	*
Kuwait	63.00	1.80	0.97%	*
Oman	33.50	0.90	0.48%	32.37
Qatar	871.50	24.70	13.28%	*
Saudi Arabia	290.80	8.20	4.41%	88.46
Syria	10.10	0.30	0.16%	75.00
United Arab Emirates	215.10	6.10	3.28%	*
Yemen	16.90	0.50	0.27%	53.76
Other Middle East	8.10	0.20	0.11%	33.90
Total Middle East	**2835.30**	**80.30**	**43.17%**	*

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XI.1 (b) World Proved Reserves of Natural Gas
(at end 2013)

Country/ Region	Trillion cubic feet	Trillion cubic metres	Share of total	R/P ratio
1	*2*	*3*	*4*	*5*
Algeria	159.10	4.50	2.42%	63.65
Egypt	65.20	1.80	0.97%	35.64
Libya	54.70	1.50	0.81%	*
Nigeria	179.40	5.10	2.74%	*
Other Africa	43.30	1.20	0.65%	61.86
Total Africa	**501.70**	**14.50**	**7.80%**	**78.84**
Australia	129.90	3.70	1.99%	95.85
Bangladesh	9.70	0.30	0.16%	15.23
Brunei	10.20	0.30	0.16%	27.27
China	115.60	3.30	1.78%	31.34
India	47.80	1.40	0.75%	46.20
Indonesia	103.30	2.90	1.56%	45.74
Malaysia	38.50	1.10	0.59%	17.71
Myanmar	10.00	0.30	0.16%	25.42
Pakistan	22.70	0.60	0.32%	17.29
Papua New Guinea	5.50	0.20	0.11%	5.32
Thailand	10.10	0.30	0.16%	34.09
Vietnam	21.80	0.60	0.32%	35.50
Other Asia Pacific	11.50	0.30	0.16%	0.68
Total Asia Pacific	**536.60**	**15.30**	**8.23%**	**5.03**
Total World	**6557.60**	**186.00**	**100%**	**61.15**

* More than 100 years.

Less than 0.05%.

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 and third-party data from Cedigaz and the OPEC Secretariat.

Source: BP Statistical Review of World Energy, June 2014.

XI.2 World Crude Oil Production*

(Million Tonnes)

Country/Region	2007	2008	2009	2010	2011	2012	2013	2013 share of total
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*
US	305.20	302.30	322.40	332.90	345.70	394.10	446.20	10.80%
Canada	155.30	152.90	152.80	160.30	169.80	182.60	193.00	4.67%
Mexico	172.20	156.90	146.70	145.60	144.50	143.90	141.80	3.43%
Total North America	**632.70**	**612.10**	**621.90**	**638.80**	**660.00**	**720.60**	**781.00**	**18.90%**
Argentina	38.00	36.50	34.90	34.00	32.20	31.10	30.50	0.74%
Brazil	95.20	98.80	105.60	111.40	114.20	112.20	109.90	2.66%
Colombia	28.00	31.10	35.30	41.40	48.20	49.90	52.90	1.28%
Ecuador	27.50	27.20	26.10	26.10	26.80	27.10	28.20	0.68%
Peru	4.60	4.70	4.80	5.10	4.90	4.80	4.60	0.11%
Trinidad & Tobago	8.20	8.70	7.60	7.40	6.90	6.00	5.90	0.14%
Venezuela	165.50	165.60	155.70	145.70	141.50	136.60	135.10	3.27%
Other S. & Cent. America	7.10	7.10	6.60	6.90	7.00	7.10	7.30	0.18%
Total S. & Cent. America	**374.10**	**379.70**	**376.60**	**378.00**	**381.70**	**374.80**	**374.40**	**9.06%**
Azerbaijan	42.60	44.51	50.42	50.84	45.63	43.37	46.20	1.12%
Denmark	15.17	14.04	12.90	12.16	10.94	10.09	8.70	0.21%
Italy	5.86	5.24	4.57	5.11	5.31	5.40	5.60	0.14%
Kazakhstan	68.39	72.05	78.21	81.65	82.37	81.30	83.80	2.03%
Norway	118.60	114.75	108.77	98.88	93.79	87.47	83.20	2.01%
Romania	4.75	4.72	4.50	4.29	4.22	4.11	4.10	0.10%
Russian Federation	496.78	493.68	500.82	511.78	518.48	526.23	531.40	12.86%
Turkmenistan	9.80	10.30	10.40	10.70	10.70	11.00	11.40	0.28%
United Kingdom	76.68	71.96	68.22	62.79	51.88	45.05	40.60	0.98%
Uzbekistan	4.93	4.78	4.46	3.65	3.59	3.17	2.90	0.07%
Other Europe & Eurasia	21.63	20.60	19.87	19.17	19.25	19.16	19.60	0.47%
Total Europe & Eurasia	**865.18**	**856.62**	**863.14**	**861.00**	**846.15**	**836.35**	**837.50**	**20.26%**
Iran	210.88	214.50	205.53	208.84	208.23	174.92	166.10	4.02%
Iraq	105.09	119.32	119.93	121.48	136.68	152.45	153.20	3.71%
Kuwait	129.95	136.12	121.23	122.51	139.67	152.49	151.30	3.66%
Oman	35.30	37.71	40.35	42.93	44.13	45.80	46.10	1.12%
Qatar	57.92	65.03	62.39	72.13	78.21	83.35	84.20	2.04%
Saudi Arabia	488.89	509.87	456.72	473.82	525.95	547.03	542.30	13.12%
Syria	20.12	20.29	19.97	19.17	16.29	8.19	2.80	0.07%
United Arab Emirates	139.55	141.37	126.19	133.34	151.26	154.13	165.70	4.01%
Yemen	15.95	14.76	14.30	13.55	10.57	8.33	7.40	0.18%
Other Middle East	9.32	9.26	9.44	9.44	9.99	10.14	10.20	0.25%
Total Middle East	**1212.96**	**1268.24**	**1176.05**	**1217.21**	**1320.98**	**1336.83**	**1329.30**	**32.16%**

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XI.2 World Crude Oil Production*

(Million Tonnes)

Country/Region	2007	2008	2009	2010	2011	2012	2013	2013 share of total
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*
Algeria	86.48	85.62	77.19	74.12	73.54	73.05	68.90	1.67%
Angola	82.07	93.07	87.62	90.53	83.80	86.88	87.40	2.11%
Chad	7.54	6.69	6.19	6.40	5.97	5.31	5.00	0.12%
Rep. of Congo (Brazzaville)	11.39	12.13	13.87	15.14	15.12	15.29	14.50	0.35%
Egypt	33.81	34.65	35.26	35.03	35.25	35.39	34.50	0.83%
Equatorial Guinea	15.91	16.05	14.16	12.63	11.64	13.24	14.60	0.35%
Gabon	12.28	12.02	12.03	12.73	12.68	12.27	11.80	0.29%
Libya	85.28	85.52	77.37	77.73	22.49	71.07	46.50	1.13%
Nigeria	110.16	102.79	106.57	121.31	118.15	116.24	111.30	2.69%
South Sudan	-	-	-	-	-	1.53	4.90	0.12%
Sudan	23.05	23.71	23.40	22.90	22.31	4.05	6.00	0.15%
Tunisia	4.61	4.21	3.95	3.77	3.23	3.09	3.00	0.07%
Other Africa	9.66	9.53	9.15	8.33	11.47	11.62	10.40	0.25%
Total Africa	**482.25**	**485.99**	**466.75**	**480.63**	**415.66**	**449.02**	**418.80**	**10.13%**
Australia	24.33	24.82	24.63	25.45	21.73	19.91	17.90	0.43%
Brunei	9.53	8.59	8.25	8.45	8.11	7.79	6.60	0.16%
China	186.32	190.44	189.49	203.01	202.88	207.47	208.10	5.04%
India	37.86	37.93	37.20	40.85	42.32	42.03	42.00	1.02%
Indonesia	47.83	49.43	48.41	48.62	46.31	44.62	42.70	1.03%
Malaysia	33.84	34.02	32.20	31.97	28.90	29.74	29.60	0.72%
Thailand	13.18	14.03	14.56	14.85	14.82	16.22	16.60	0.40%
Vietnam	16.27	15.22	16.67	15.25	15.46	17.03	17.00	0.41%
Other Asia Pacific	13.90	14.77	14.40	13.80	13.12	12.51	11.40	0.28%
Total Asia Pacific	**383.05**	**389.26**	**385.82**	**402.25**	**393.63**	**397.32**	**391.90**	**9.48%**
Total World	**3950.24**	**3991.90**	**3890.26**	**3977.90**	**4018.12**	**4114.92**	**4132.90**	**100%**

• Less than 0.05%.

Note: Growth rates are adjusted for leap years.

Excludes liquid fuels from other sources such as biomass and coal derivatives.

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

Source: BP Statistical Review of World Energy, June 2014.

XI.3 Crude Oil Production by OPEC Member Countries

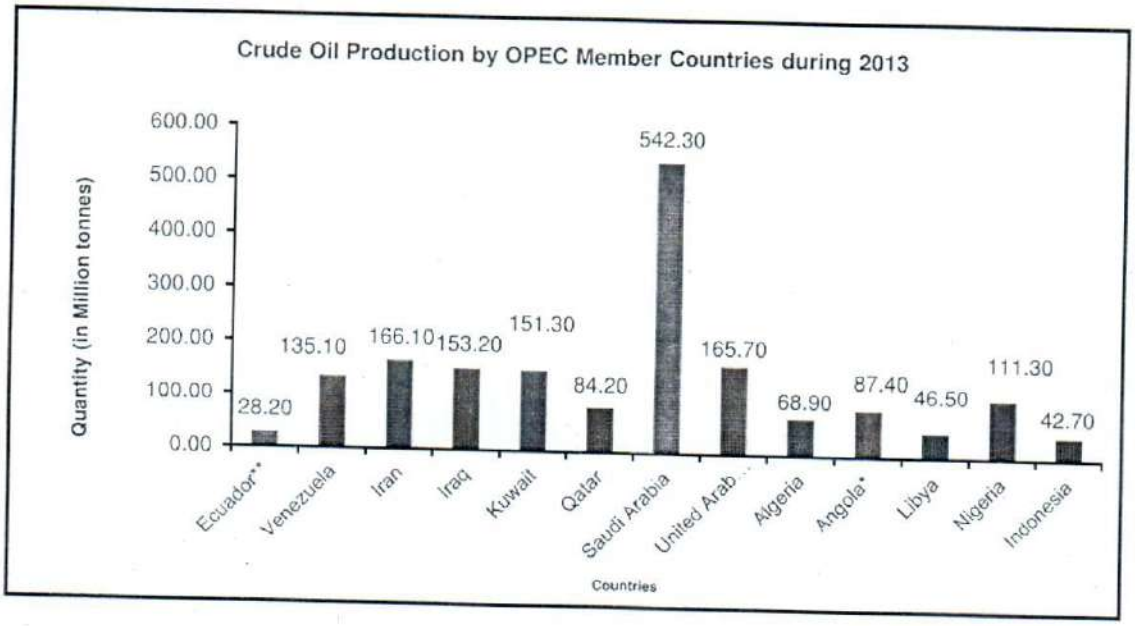
(Million Tonnes)

OPEC Countries	2007	2008	2009	2010	2011	2012	2013	2013 share of total
1	2	3	4	5	6	7	8	9
Ecuador**	27.50	27.20	26.10	26.10	26.80	27.10	28.20	1.58%
Venezuela	165.50	165.60	155.70	145.70	141.50	136.60	135.10	7.58%
Iran	210.90	214.50	205.50	208.80	208.20	177.10	166.10	9.32%
Iraq	105.10	119.30	119.90	121.50	136.70	152.50	153.20	8.59%
Kuwait	129.90	136.10	121.20	122.50	139.70	153.70	151.30	8.49%
Qatar	57.90	65.00	62.40	72.10	78.20	83.30	84.20	4.72%
Saudi Arabia	488.90	509.90	456.70	473.80	526.00	549.80	542.30	30.42%
United Arab Emirates	139.60	141.40	126.20	133.30	151.30	154.70	165.70	9.29%
Algeria	86.50	85.60	77.20	73.80	71.70	67.20	68.90	3.86%
Angola*	82.10	93.10	87.60	90.50	83.80	86.90	87.40	4.90%
Libya	85.30	85.50	77.40	77.70	22.50	71.10	46.50	2.61%
Nigeria	110.20	102.80	106.60	121.30	118.20	116.20	111.30	6.24%
Indonesia	47.80	49.40	48.40	48.60	46.30	44.60	42.70	2.39%
Total OPEC	**1737.20**	**1795.40**	**1670.90**	**1715.70**	**1750.90**	**1820.80**	**1782.90**	**100%**

Notes: *: Angola joined OPEC in 2007.

**: Ecuador joined OPEC in 1973, suspended its membership from December1992-Oct. 2007.

Source: BP Statistical Review of World Energy, June 2014.



XI.4 World Production of Natural Gas*

Million tonnes oil equivalent

Country/Region	2006	2007	2008	2009	2010	2011	2012	2013	2013 share of total
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
US	479.3	498.6	521.7	532.7	549.5	589.8	620.8	627.2	20.62%
Canada	169.6	164.4	158.9	147.6	143.9	143.7	140.4	139.3	4.58%
Mexico	51.6	48.3	48	53.4	51.8	52.4	51.2	51	1.68%
Total North America	**700.50**	**711.30**	**728.60**	**733.70**	**745.20**	**785.90**	**812.40**	**817.50**	**26.88%**
Argentina	41.50	40.30	39.70	37.30	36.10	34.90	34.00	32.00	1.05%
Bolivia	11.60	12.40	12.90	11.10	12.80	14.40	16.50	18.80	0.62%
Brazil	10.00	10.10	12.60	10.70	13.10	15.10	17.30	19.20	0.63%
Colombia	6.30	6.80	8.20	9.50	10.10	9.90	10.80	11.40	0.37%
Peru	1.60	2.40	3.10	3.10	6.50	10.20	10.70	11.00	0.36%
Trinidad & Tobago	36.10	38.00	37.80	39.30	40.30	38.60	38.50	38.60	1.27%
Venezuela	28.30	32.50	29.50	27.90	24.70	24.80	26.50	25.60	0.84%
Other S. & Cent. America	3.40	3.50	3.30	3.80	3.20	2.80	2.60	2.30	0.08%
Total S. & Cent. America	**138.80**	**146.00**	**147.10**	**142.70**	**146.80**	**150.70**	**156.90**	**158.90**	**5.22%**
Azerbaijan	5.5	8.8	13.3	13.3	13.6	13.3	14	14.5	0.48%
Denmark	9.4	8.3	9.1	7.6	7.4	5.9	5.2	4.4	0.14%
Germany	14.1	12.9	11.7	11	9.6	9	8.1	7.4	0.24%
Italy	9.1	8	7.6	6.6	6.9	7	7.1	6.4	0.21%
Kazakhstan	11.7	13.6	15.2	14.8	14.3	15.7	16.5	16.6	0.55%
Netherlands	55.4	54.5	60	56.4	63.5	57.8	57.5	61.8	2.03%
Norway	79.8	81.3	90.1	94	96.5	91.1	103.3	97.9	3.22%
Poland	3.9	3.9	3.7	3.7	3.7	3.8	3.8	3.8	0.12%
Romania	10.7	10.4	10.3	10.1	9.8	9.8	9.8	9.9	0.33%
Russian Federation	535.7	532.9	541.6	474.9	530	546.3	533.1	544.3	17.90%
Turkmenistan	54.3	58.9	59.5	32.7	38.1	53.6	56.1	56.1	1.84%
Ukraine	16.9	16.9	17.1	17.3	16.7	16.8	16.7	17.3	0.57%
United Kingdom	72	64.9	62.7	53.7	51.4	40.7	35	32.8	1.08%
Uzbekistan	49	53.2	56	54	53.7	51.3	51.2	49.7	1.63%
Other Europe & Eurasia	9.4	9.6	9.2	9.1	9.1	8.5	7.8	6.7	0.22%
Total Europe & Eurasia	**936.90**	**938.10**	**967.10**	**859.20**	**924.30**	**930.60**	**925.20**	**929.60**	**30.56%**

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XI.4 World Production of Natural Gas*

Million tonnes oil equivalent

Country/Region	2006	2007	2008	2009	2010	2011	2012	2013	2013 share of total
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
Bahrain		10.6	11.4	11.5	11.8	12	12.4	14.2	0.47%
Iran		112.5	119.2	129.8	137.1	143.9	149.1	149.9	4.93%
Iraq		1.3	1.7	1	1.2	0.8	0.6	0.6	
Kuwait		10.9	11.5	10.3	10.6	12.2	14	14	0.46%
Oman		21.6	21.7	22.3	24.4	23.9	27	27.8	0.91%
Qatar		56.9	69.3	80.4	105	130.7	135.7	142.7	4.69%
Saudi Arabia		67	72.4	70.6	78.9	83	89.4	92.7	3.05%
Syria		5	4.8	5	7.2	6.4	4.8	4	0.13%
United Arab Emirates		45.3	45.2	43.9	46.2	47.1	48.9	50.4	1.66%
Yemen		–	–	0.7	5.6	8.5	6.8	9.3	0.31%
Other Middle East		2.7	3.3	2.7	3	4	2.4	5.9	0.19%
Total Middle East	**307.70**	**333.80**	**360.50**	**378.20**	**431.00**	**472.50**	**491.10**	**511.50**	**16.82%**
Algeria	76.0	76.3	77.2	71.6	72.4	74.4	73.4	70.7	2.32%
Egypt	49.2	50.1	53.1	56.4	55.2	55.3	54.8	50.5	1.66%
Libya	11.9	13.8	14.3	14.3	15.1	7.1	11.0	10.8	0.36%
Nigeria	26.6	33.2	32.6	23.4	33.6	36.5	39.0	32.5	1.07%
Other Africa	9.4	11.1	14.2	14.7	16.6	16.8	16.6	19.4	0.64%
Total Africa	**173.10**	**184.50**	**191.40**	**180.40**	**192.90**	**190.10**	**194.80**	**183.90**	**6.05%**
Australia	35.0	36.0	34.4	38.1	40.7	40.4	39.0	38.6	1.27%
Bangladesh	13.6	14.3	15.3	16.7	17.9	18.1	19.0	19.7	0.65%
Brunei	11.3	11.0	10.9	10.3	11.1	11.5	11.3	11.0	0.36%
China	52.7	62.3	72.3	76.7	85.4	92.4	96.4	105.3	3.46%
India	26.4	27.1	27.5	35.3	45.8	41.5	36.3	30.3	1.00%
Indonesia	63.2	60.9	62.7	64.7	73.8	68.3	64.0	63.4	2.08%
Malaysia	57.0	58.1	58.2	57.0	58.8	58.7	59.8	62.1	2.04%
Myanmar	11.3	12.2	11.2	10.4	11.2	11.5	11.5	11.8	0.39%
Pakistan	32.5	33.1	33.8	34.6	35.7	35.2	37.1	34.7	1.14%
Thailand	21.9	23.4	25.9	27.8	32.7	33.3	37.3	37.6	1.24%
Vietnam	6.3	6.4	6.7	7.2	8.5	7.6	8.4	8.8	0.29%
Other Asia Pacific	13.1	15.6	16.5	16.7	16.4	16.5	16.4	16.9	0.56%
Total Asia Pacific	**344.30**	**360.40**	**375.40**	**395.50**	**438.00**	**435.00**	**436.50**	**440.20**	**14.47%**
Total World	**2601.30**	**2674.10**	**2770.10**	**2689.70**	**2878.20**	**2964.80**	**3016.90**	**3041.60**	**100%**

◆ Less than 0.05%

Note: Growth rates are adjusted for leap years.

*: Excluding gas flared or recycled. Includes natural gas produced for Gas-to-Liquids transformation

Source: BP Statistical Review of World Energy, June 2014.

XI.5 World Consumption of Natural Gas

Million tonnes oil equivalent

Country/Region	2007	2008	2009	2010	2011	2012	2013	2013 Share of total
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*
US	596.3	600.8	590.1	619.3	628.8	657.3	671	22.21%
Canada	86.6	86.5	85.4	85.5	90.8	90.2	93.1	3.08%
Mexico	57.1	59.6	65.2	65.2	69	71.6	74.5	2.47%
Total North America	**740.00**	**746.90**	**740.70**	**770.00**	**788.60**	**819.10**	**838.60**	**27.76%**
Argentina	39.5	40	38.9	39	41.1	42.6	43.2	1.43%
Brazil	19.1	22.4	18.1	24.1	24	28.5	33.9	1.12%
Chile	4.1	2.4	2.8	4.8	4.8	4.9	3.9	0.13%
Colombia	6.7	6.8	7.8	8.2	8	8.9	9.6	0.32%
Ecuador	0.4	0.4	0.5	0.5	0.5	0.6	0.5	*
Peru	2.4	3.1	3.1	4.9	5.5	6.1	5.9	0.20%
Trinidad & Tobago	19.7	19.2	19.9	20.9	20.8	20	20.2	0.67%
Venezuela	32.5	30.9	29	26.1	26.8	28.3	27.5	0.91%
Other S. & Cent. America	4	4.3	4.5	4.8	5.2	6.4	7.1	0.24%
Total S. & Cent. America	**128.40**	**129.50**	**124.60**	**133.30**	**136.70**	**146.30**	**151.80**	**5.02%**
Austria	8	8.6	8.4	9.1	8.5	8.1	7.6	0.25%
Azerbaijan	7.2	8.2	7	6.7	7.3	7.7	7.8	0.26%
Belarus	17	17.3	14.5	17.7	16.5	16.5	16.5	0.55%
Belgium	14.9	14.8	15.1	17	14.9	15.2	15.1	0.50%
Bulgaria	2.9	2.9	2.1	2.3	2.6	2.5	2.4	0.08%
Czech Republic	7.8	7.8	7.4	8.4	7.6	7.4	7.6	0.25%
Denmark	4.1	4.1	4	4.5	3.8	3.5	3.4	0.11%
Finland	3.5	3.6	3.2	3.6	3.1	2.7	2.6	0.09%
France	38.2	39.4	37.6	42.2	36.4	38	38.6	1.28%
Germany	74.6	73.1	70.2	75	67.1	70.5	75.3	2.49%
Greece	3.3	3.5	2.9	3.2	4	3.7	3.2	0.11%
Hungary	11.8	12.6	11.5	11.3	9.3	9.2	7.7	0.25%
Republic of Ireland	4.3	4.5	4.3	4.7	4.1	4	4	0.13%
Italy	70	70	64.4	68.6	64.3	61.8	57.8	1.91%
Kazakhstan	8.3	8	7.7	8.1	8.6	9.4	10.3	0.34%
Lithuania	3.3	2.9	2.5	2.8	3.1	3	2.4	0.08%
Netherlands	33.3	34.7	35	39.2	34.3	32.8	33.4	1.11%
Norway	3.8	3.9	3.7	3.7	3.9	3.9	4	0.13%
Poland	12.4	13.5	13	14	14.1	14.9	15	0.50%
Portugal	3.9	4.3	4.2	4.6	4.7	4	3.7	0.12%
Romania	14.5	14.3	11.9	12.2	12.5	12.2	11.2	0.37%
Russian Federation	379.8	374.4	350.7	372.8	382.1	374.6	372.1	12.32%
Slovakia	5.1	5.2	4.4	5	4.6	4.4	4.9	0.16%
Spain	31.6	34.8	31.1	31.2	29	28.2	26.1	0.86%
Sweden	0.9	0.8	1	1.4	1.1	1	1	*
Switzerland	2.6	2.8	2.7	3	2.7	2.9	3.3	0.11%
Turkey	32.5	33.8	32.1	35.1	40.2	40.7	41.1	1.36%
Turkmenistan	19.1	18.5	17.9	20.4	21.1	23.8	20	0.66%
Ukraine	56.9	54	42.1	47	48.4	44.6	40.5	1.34%
United Kingdom	81.9	84.1	78.3	84.8	70.3	66.3	65.8	2.18%
Uzbekistan	41.3	43.8	39.2	41	44.2	42.2	40.7	1.35%
Other Europe & Eurasia	16.4	15.8	13.3	14.4	14.9	14.5	13.4	0.44%
Total Europe & Eurasia	**1015.20**	**1020.00**	**943.40**	**1015.00**	**989.30**	**974.20**	**958.50**	**31.73%**

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XI.5 World Consumption of Natural Gas

Million tonnes oil equivalent

Country/Region	2007	2008	2009	2010	2011	2012	2013	2013 Share of total
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*
Iran	113	121.3	128.9	137.6	146.2	145.4	146	4.83%
Israel	2.5	3.7	4.1	4.8	4.5	2.3	6.2	0.21%
Kuwait	10.9	11.5	11.1	13.1	15.3	16.3	16	0.53%
Qatar	17.4	17.4	18	18.4	20.7	21.1	23.3	0.77%
Saudi Arabia	67	72.4	70.6	78.9	83	89.4	92.7	3.07%
United Arab Emirates	44.3	53.5	53.2	54.7	56.2	59	61.5	2.04%
Other Middle East	29.1	32.9	35	39.8	36.6	38	39.9	1.32%
Total Middle East	**284.20**	**312.70**	**320.90**	**347.30**	**362.50**	**371.50**	**385.60**	**12.76%**
Algeria	21.9	22.8	24.5	23.7	25.1	27.9	29.1	0.96%
Egypt	34.5	36.8	38.3	40.6	44.7	47.3	46.3	1.53%
South Africa	3.1	3.4	3	3.5	3.5	3.6	3.5	0.12%
Other Africa	27.1	28.2	24.3	29.3	30.1	31.8	32.1	1.06%
Total Africa	**86.60**	**91.20**	**90.10**	**97.10**	**103.40**	**110.60**	**111.00**	**3.67%**
Australia	23.9	23	22.7	22.8	22.6	16.7	16.1	0.53%
Bangladesh	14.3	15.3	16.7	17.9	18.1	19	19.7	0.65%
China	63.5	73.2	80.6	96.2	117.5	131.7	145.5	4.82%
China Hong Kong SAR	2.5	2.9	2.8	3.4	2.7	2.5	2.4	0.08%
India	36.1	37.2	46.7	56.7	55.3	52.9	46.3	1.53%
Indonesia	28.2	30	33.6	36.3	33.5	32.2	34.6	1.15%
Japan	81.2	84.4	78.7	85.1	95	105.3	105.2	3.48%
Malaysia	30.1	30.4	29.7	31.6	28.6	31.2	30.6	1.01%
New Zealand	3.6	3.4	3.6	3.9	3.5	3.8	4	0.13%
Pakistan	33.1	33.8	34.6	35.7	35.2	37.1	34.7	1.15%
Philippines	3.2	3.4	3.4	3.2	3.5	3.3	3	0.10%
Singapore	7.8	7.4	7.3	7.6	7.9	8.5	9.5	0.31%
South Korea	31.2	32.1	30.5	38.7	41.7	45.2	47.3	1.57%
Taiwan	9.6	10.5	10.2	12.7	14	14.7	14.7	0.49%
Thailand	31.8	33.6	35.3	40.6	41.9	46.1	47	1.56%
Vietnam	6.4	6.7	7.2	8.5	7.6	8.4	8.8	0.29%
Other Asia Pacific	5.4	5.1	4.6	5.2	5.6	5.9	6	0.20%
Total Asia Pacific	**411.90**	**432.40**	**448.20**	**506.10**	**534.20**	**564.50**	**575.40**	**19.05%**
Total World	**2666.30**	**2732.70**	**2667.90**	**2868.80**	**2914.70**	**2986.20**	**3020.90**	**100%**

♦ Less than 0.05%.

Notes: The difference between these world consumption figures andthe 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.

Growth rates are adjusted for leap years.

Source: BP Statistical Review of World Energy, June 2014

XI.6 Productivity of Producing Well in OPEC Member Countries During 2013

Country	Wells	Av-daily Production ('000' bbl)	t/w/d
1	*2*	*3*	*4*
Algeria	2061	1202.60	79.4
Angola	1554	1701.20	148.9
Ecuador	3414	526.4	21.0
I.R.Iran	2204	3575.30	220.6
Iraq	1735	2979.60	233.6
Kuwait*	1794	2924.70	221.7
Libya	1308	993.3	103.3
Nigeria	1951	1753.70	122.2
Qatar	511	723.9	192.7
Suadi Arabia*	3372	9637.00	388.7
U.A.E	1722	2796.50	220.9
Venezuela	14809	2789.50	25.6
Total OPEC	**36435**	**31604**	**118.0**

*: Figures include share of production and producing wells from Neutral Zone.

Note: Excluding shut-in wells. Figures as at year-end.

t/w/d: tonne/well/day

Source : OPEC Annual Statistical Bulletin, 2014.

XI.7 World Oil Refining Capacity

(Thousand barrels daily *)

Country/Region	2007	2008	2009	2010	2011	2012	2013	2013 share of total
1	2	3	4	5	6	7	8	9
US	17594	17672	17584	17736	17322	17824	17818	18.77%
Canada	1907	1951	1976	1951	2046	2063	1965	2.07%
Mexico	1463	1463	1463	1463	1606	1606	1606	1.69%
Total North America	**20964**	**21086**	**21023**	**21150**	**20974**	**21493**	**21389**	**22.53%**
Argentina	628	628	630	633	640	645	663	0.70%
Brazil	1935	2045	2093	2093	2010	2000	2093	2.20%
Netherlands Antilles	320	320	320	320	320	320	320	0.34%
Venezuela	1303	1303	1303	1303	1303	1303	1353	1.43%
Other S. & Cent. America	2313	2359	2328	2298	2195	1626	1600	1.69%
Total S. & Cent. America	**6499**	**6655**	**6674**	**6647**	**6468**	**5894**	**6029**	**6.35%**
Belgium	745	745	823	813	823	786	810	0.85%
France	1962	1971	1873	1702	1610	1639	1520	1.60%
Germany	2390	2366	2362	2091	2077	2097	2061	2.17%
Greece	425	425	425	440	495	498	498	0.52%
Italy	2497	2396	2396	2396	2311	2200	2062	2.17%
Netherlands	1236	1280	1280	1274	1276	1274	1274	1.34%
Norway	316	316	316	316	316	316	316	0.33%
Russian Federation	5498	5419	5401	5511	5589	5785	6027	6.35%
Spain	1362	1362	1362	1416	1416	1537	1537	1.62%
Sweden	422	422	422	422	434	434	434	0.46%
Turkey	613	613	613	613	613	613	613	0.65%
United Kingdom	1819	1827	1757	1757	1787	1526	1526	1.61%
Other Europe & Eurasia	5464	5450	5492	5606	5513	5220	5208	5.49%
Total Europe & Eurasia	**24749**	**24592**	**24522**	**24357**	**24260**	**23925**	**23886**	**25.16%**
Iran	1772	1805	1860	1860	1860	1892	1970	2.08%
Iraq	765	754	786	907	996	1042	1129	1.19%
Kuwait	936	936	936	936	936	936	936	0.99%
Saudi Arabia	2107	2107	2107	2107	2117	2122	2522	2.66%
United Arab Emirates	625	680	700	700	705	710	710	0.75%
Other Middle East	1381	1390	1536	1541	1553	1553	1555	1.64%
Total Middle East	**7586**	**7672**	**7925**	**8051**	**8167**	**8255**	**8822**	**9.29%**
Total Africa	**3007**	**3121**	**2982**	**3175**	**3123**	**3323**	**3517**	**3.70%**
Australia	733	734	734	740	742	663	662	0.70%
China	8399	8722	9479	10302	10834	11933	12598	13.27%
India	2983	2992	3574	3703	3795	4279	4319	4.55%
Indonesia	1150	1052	1085	1139	1116	1041	1072	1.13%
Japan	4650	4650	4630	4291	4274	4254	4123	4.34%
Singapore	1255	1385	1385	1385	1395	1395	1395	1.47%
South Korea	2671	2712	2712	2712	2860	2887	2887	3.04%
Taiwan	1197	1197	1197	1197	1197	1197	1197	1.26%
Thailand	1125	1195	1255	1260	1260	1260	1267	1.33%
Other Asia Pacific	1452	1471	1634	1678	1697	1704	1765	1.86%
Total Asia Pacific	**25615**	**26110**	**27685**	**28407**	**29170**	**30613**	**31285**	**32.96%**
Total World	**88420**	**89236**	**90811**	**91787**	**92162**	**93503**	**94928**	**100%**

* Atmospheric distillation capacity on a calendar-day basis.

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

Source: BP Statistical Review of World Energy, June 2014

XI.8 World Refinery Crude Throughput

(Thousand barrels daily*)

Country/Region	2007	2008	2009	2010	2011	2012	2013	2013 share of total
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*
US	15156	14648	14336	14724	14806	14999	15315	20.08%
Canada	1908	1839	1773	1832	1734	1795	1762	2.31%
Mexico	1395	1392	1392	1184	1166	1199	1224	1.60%
S. & Cent. America	5456	5369	4900	4850	5053	4657	4786	6.27%
Europe & Eurasia	20716	20635	19509	19627	19491	19538	19142	25.09%
Middle East	6397	6396	6241	6338	6517	6388	6353	8.33%
Africa	2372	2457	2292	2449	2169	2206	2177	2.85%
Australasia	767	756	762	756	789	779	735	0.96%
China	6563	6953	7488	8571	9059	9199	9648	12.65%
India	3107	3213	3641	3899	4085	4302	4462	5.85%
Japan	3995	3946	3627	3619	3410	3400	3453	4.53%
Other Asia Pacific	7521	7387	7288	7397	7390	7436	7227	9.47%
Total World	**75353**	**74991**	**73249**	**75246**	**75669**	**75898**	**76284**	100%

* Input to primary distallation units only.

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

Source: BP Statistical Review of World Energy, June 2014

XI.9 Country-wise World Oil Consumption*

Million Tonnes

Country/Region	2007	2008	2009	2010	2011	2012	2013	2013 share of total
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*
US	928.8	875.4	833.2	850.1	834.9	817.0	831.0	19.86%
Canada	102.3	101.2	95.0	101.3	105.0	104.3	103.5	2.47%
Mexico	92.0	91.6	88.5	88.5	90.3	92.3	89.7	2.14%
Total North America	**1123.1**	**1068.2**	**1016.7**	**1039.9**	**1030.2**	**1013.6**	**1024.2**	**24.47%**
Argentina	24.0	24.7	24.1	26.9	26.9	28.5	29.4	0.70%
Brazil	101.8	108.6	109.1	118.1	121.9	125.8	132.7	3.17%
Chile	17.0	17.8	17.4	15.4	16.8	17.3	17.6	0.42%
Colombia	10.7	10.7	11.0	11.6	12.4	13.4	13.9	0.33%
Ecuador	8.5	8.7	8.9	10.3	10.5	10.9	11.6	0.28%
Peru	7.1	8.0	8.1	8.5	9.2	9.5	10.0	0.24%
Trinidad & Tobago	1.7	1.8	1.7	1.9	1.7	1.7	1.8	.
Venezuela	29.7	33.8	34.2	32.1	31.9	33.0	36.2	0.86%
Other S. & Cent. America	61.6	58.7	58	58.4	59	59.1	58.4	1.40%
Total S. & Cent. America	**262.1**	**272.8**	**272.5**	**283.2**	**290.3**	**299.2**	**311.6**	**7.45%**
Austria	13.4	13.4	12.8	13.4	12.5	12.5	12.5	0.30%
Azerbaijan	4.5	3.6	3.3	3.2	4.0	4.2	4.6	0.11%
Belarus	8.0	7.9	9.3	7.5	8.6	8.6	8.7	0.21%
Belgium	33.7	36.8	32.2	33.5	32.3	30.4	31.0	0.74%
Bulgaria	4.8	4.8	4.3	3.9	3.8	3.9	4.1	0.10%
Czech Republic	9.7	9.9	9.7	9.2	9.0	8.9	8.6	0.21%
Denmark	9.4	9.3	8.3	8.4	8.3	7.8	7.8	0.19%
Finland	10.6	10.5	9.9	10.4	9.7	9.0	8.9	0.21%
France	91.4	90.8	87.5	84.5	83.7	81.0	80.3	1.92%
Germany	112.5	118.9	113.9	115.4	112.0	111.4	112.1	2.68%
Greece	21.7	21.3	20.1	17.9	17.0	15.1	14.0	0.33%
Hungary	7.7	7.5	7.1	6.7	6.4	5.9	6.0	0.14%
Republic of Ireland	9.4	9.0	8.0	7.6	6.7	6.5	6.7	0.16%
Italy	84.0	80.4	75.1	73.1	70.5	64.2	61.8	1.48%
Kazakhstan	11.3	11.0	8.9	9.3	12.3	13.1	13.8	0.33%
Lithuania	2.8	3.1	2.6	2.7	2.6	2.7	2.7	0.06%
Netherlands	50.7	47.3	45.9	45.9	46.1	43.7	41.4	0.99%
Norway	10.7	10.4	10.6	10.8	10.6	10.5	10.6	0.25%
Poland	24.2	25.3	25.3	26.7	26.6	25.7	24.0	0.57%
Portugal	14.4	13.6	12.8	12.5	11.6	10.9	10.8	0.26%
Romania	10.3	10.4	9.2	8.8	9.1	9.2	9.0	0.22%
Russian Federation	130.0	133.9	128.2	134.3	143.5	148.9	153.1	3.66%
Slovakia	3.6	3.9	3.7	3.9	3.9	3.6	3.5	0.08%
Spain	80.3	77.9	73.5	69.6	68.5	64.2	59.3	1.42%
Sweden	16.9	16.7	15.5	16.2	14.8	14.6	14.3	0.34%
Switzerland	11.3	12.1	12.3	11.4	11.0	11.2	11.8	0.28%
Turkey	33.6	32.1	32.5	31.8	31.1	31.4	33.1	0.79%
Turkmenistan	5.2	5.4	5.2	5.7	6.0	6.1	6.3	0.15%
Ukraine	14.7	14.3	13.5	12.6	13.1	12.5	12.2	0.29%
United Kingdom	79.2	77.9	74.4	73.5	71.1	71.0	69.8	1.67%
Uzbekistan	4.6	4.5	4.3	3.7	3.5	3.3	3.3	0.08%
Other Europe & Eurasia	32.4	33.0	32.4	32.6	32.5	32.0	32.5	0.78%
Total Europe & Eurasia	**957.0**	**956.9**	**912.3**	**906.7**	**902.4**	**884.0**	**878.6**	**20.99%**

XI.9 Country-wise World Oil Consumption*

Million Tonnes

Country/Region	2007	2008	2009	2010	2011	2012	2013	2013 share of total
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*
Iran	89.4	93.3	95.5	86.7	88.2	89.5	92.9	2.22%
Israel	12.4	12.2	11.4	10.9	11.5	13.6	10.6	0.25%
Kuwait	17.9	19.0	20.4	21.6	20.4	21.6	21.8	0.52%
Qatar	5.3	6.1	6.0	6.5	7.8	8.0	8.5	0.20%
Saudi Arabia	98.0	106.7	115.8	124.2	125.1	131.3	135.0	3.23%
United Arab Emirates	28.2	29.4	27.7	30.1	33.0	34.3	35.6	0.85%
Other Middle East	62.4	69.4	70.3	74.2	75.2	79.5	80.5	1.92%
Total Middle East	**313.6**	**336.1**	**347.1**	**354.2**	**361.2**	**377.8**	**384.9**	**9.20%**
Algeria	12.9	14.0	14.9	14.8	15.5	16.7	17.5	0.42%
Egypt	30.6	32.6	34.4	36.3	33.7	35.2	35.7	0.85%
South Africa	26.6	25.7	24.2	26.6	27.4	27.3	27.2	0.65%
Other Africa	75.2	80.9	82.6	86.5	81.9	86.8	90.5	2.16%
Total Africa	**145.3**	**153.2**	**156.1**	**164.2**	**158.5**	**166.0**	**170.9**	**4.08%**
Australia	42.5	43.3	42.8	43.6	45.8	47.3	47.0	1.12%
Bangladesh	4.2	4.2	3.7	4.3	5.5	5.8	5.7	0.14%
China	370.6	377.6	391.0	440.4	464.1	490.1	507.4	12.12%
China Hong Kong SAR	16.1	14.6	16.6	17.9	18.1	17.3	17.7	0.42%
India	138.1	144.7	152.6	155.4	163.0	173.6	175.2	4.19%
Indonesia	60.9	60.4	61.6	66.4	72.3	73.2	73.8	1.76%
Japan	232.6	226.3	201.8	204.1	204.9	217.8	208.9	4.99%
Malaysia	30.8	29.5	29.2	29.3	31.1	30.7	31.2	0.75%
New Zealand	7.1	7.2	6.9	7.0	7.0	7.0	7.1	0.17%
Pakistan	19.3	19.4	20.8	20.6	20.8	20.0	22.0	0.53%
Philippines	14.1	12.4	13.2	13.2	12.9	13.0	13.7	0.33%
Singapore	50.4	53.6	57.0	62.8	65.5	65.4	65.9	1.57%
South Korea	107.6	103.1	103.7	105.0	105.8	108.8	108.4	2.59%
Taiwan	51.2	45.8	44.0	45.3	42.5	41.9	43.4	1.04%
Thailand	41.6	41.2	44.2	44.3	46.6	49.6	50.4	1.20%
Vietnam	13.3	14.1	14.6	15.6	17.0	17.2	17.4	0.42%
Other Asia Pacific	16.5	15.6	16.4	16.8	19.3	19.5	19.6	0.47%
Total Asia Pacific	**1216.9**	**1213.0**	**1220.1**	**1292.0**	**1342.2**	**1398.2**	**1414.8**	**33.81%**
Total World	**4018.0**	**4000.2**	**3924.8**	**4040.2**	**4084.8**	**4138.8**	**4185.0**	**100%**

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

^ Less than 0.05%.

Notes: Differences between these world consumption figures and world production statistics 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.

Growth rates are adjusted for leap years.

Source: BP Statistical Review of World Energy, June 2014

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

(Thousand barrels daily)

Country/Region	2007	2008	2009	2010	2011	2012	2013	2013 share of total
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*
North America								
Light distillates	11200	10859	10839	10943	10697	10574	10709	45.98%
Middle distillates	7318	6934	6281	6567	6694	6408	6531	28.04%
Fuel oil	1081	941	801	810	745	660	578	2.48%
Others	5509	5126	5035	5190	5193	5306	5473	23.50%
Total North America	**25108**	**23860**	**22956**	**23510**	**23329**	**22948**	**23291**	**100%**
of which: US								
Light distillates	9597	9253	9257	9263	9022	8932	9056	47.95%
Middle distillates	6199	5801	5241	5464	5518	5278	5365	28.41%
Fuel oil	718	609	508	532	459	367	320	1.69%
Others	4166	3827	3766	3921	3883	3913	4146	21.95%
Total US	**20680**	**19490**	**18772**	**19180**	**18882**	**18490**	**18887**	**100%**
S. & Cent. America								
Light distillates	1588	1667	1768	1846	1877	1938	2039	30.10%
Middle distillates	2100	2161	2137	2343	2471	2587	2712	40.04%
Fuel oil	746	747	725	699	659	664	678	10.01%
Others	1227	1307	1283	1267	1299	1289	1345	19.86%
Total S. & Cent. America	**5661**	**5882**	**5913**	**6155**	**6306**	**6478**	**6774**	**100.00%**
Europe								
Light distillates	3683	3481	3405	3350	3125	3002	2941	20.88%
Middle distillates	7583	7802	7532	7548	7524	7413	7439	52.81%
Fuel oil	1611	1545	1378	1256	1189	1060	957	6.79%
Others	3212	3144	2978	2950	2878	2728	2749	19.52%
Total Europe	**16089**	**15972**	**15293**	**15104**	**14716**	**14203**	**14086**	**100%**
Former Soviet Union								
Light distillates	1206	1264	1234	1292	1297	1338	1362	29.87%
Middle distillates	1285	1345	1221	1334	1481	1540	1573	34.50%
Fuel oil	461	436	408	380	384	376	391	8.58%
Others	1042	996	1024	977	1131	1180	1233	27.05%
Total Former Soviet Union	**3994**	**4041**	**3887**	**3983**	**4293**	**4434**	**4559**	**100%**
Middle East								
Light distillates	1505	1612	1643	1706	1784	1866	1915	22.46%
Middle distillates	2240	2287	2390	2425	2544	2667	2662	31.22%
Fuel oil	1590	1760	1894	1927	1957	2036	2106	24.70%
Others	1420	1548	1581	1709	1719	1785	1843	21.62%
Total Middle East	**6755**	**7207**	**7508**	**7767**	**8004**	**8354**	**8526**	**100%**
Africa								
Light distillates	710	766	799	840	824	872	872	24.06%
Middle distillates	1413	1498	1519	1616	1621	1663	1734	47.83%
Fuel oil	421	432	431	453	383	415	442	12.19%
Others	524	540	557	570	548	570	577	15.92%
Total Africa	**3068**	**3236**	**3306**	**3479**	**3376**	**3520**	**3625**	**100%**

contd...

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

(Thousand barrels daily)

Country/Region	2007	2008	2009	2010	2011	2012	2013	2013 share of total
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*
Asia Pacific								
Light distillates	7553	7625	7998	8610	8875	9237	9604	31.52%
Middle distillates	9288	9394	9453	9916	10321	10717	10829	35.54%
Fuel oil	3626	3458	3124	3131	3251	3425	3253	10.68%
Others	5613	5475	5672	6145	6464	6619	6783	22.26%
Total Asia Pacific	**26080**	**25952**	**26247**	**27802**	**28911**	**29998**	**30469**	**100%**
of which: China								
Light distillates	2048	2202	2377	2767	2970	3130	3329	30.95%
Middle distillates	2869	3079	3178	3430	3660	3951	4001	37.19%
Fuel oil	923	804	713	715	662	694	751	6.98%
Others	2020	1909	2038	2404	2574	2592	2676	24.88%
Total China	**7860**	**7994**	**8306**	**9316**	**9866**	**10367**	**10757**	**100%**
Japan								
Light distillates	1770	1650	1669	1728	1664	1636	1663	36.56%
Middle distillates	1621	1502	1381	1391	1343	1360	1352	29.72%
Fuel oil	657	707	450	442	577	811	639	14.05%
Others	1005	1024	922	913	887	901	895	19.67%
Total Japan	**5053**	**4883**	**4422**	**4474**	**4471**	**4708**	**4549**	**100%**
World								
Light distillates	27444	27273	27685	28588	28480	28826	29442	32.24%
Middle distillates	31227	31420	30534	31749	32656	32994	33480	36.66%
Fuel oil	9536	9318	8761	8657	8567	8636	8405	9.20%
Others	18547	18137	18131	18807	19231	19476	20003	21.90%
Total World	**68207**	**68011**	**66980**	**68994**	**69703**	**70456**	**91330**	**100%**
OECD								
Light distillates	18098	17412	17390	17548	17080	16911	17014	37.35%
Middle distillates	17609	17303	16226	16576	16668	16344	16480	36.17%
Fuel oil	3717	3508	2908	2768	2745	2773	2370	5.20%
Others	10266	9862	9533	9617	9546	9517	9693	21.28%
Total OECD	**39424**	**38223**	**36524**	**36892**	**36493**	**36028**	**45557**	**100%**
Non-OECD								
Light distillates	9346	9861	10295	11040	11400	11915	12428	27.15%
Middle distillates	13618	14117	14308	15173	15988	16649	16999	37.14%
Fuel oil	5819	5810	5853	5889	5821	5863	6035	13.18%
Others	8281	8275	8598	9189	9684	9959	10311	22.53%
Total Non-OECD	**28783**	**29788**	**30456**	**32102**	**33209**	**34427**	**45773**	**100%**
European Union								
Light distillates	3476	3290	3185	3142	2933	2816	2753	21.56%
Middle distillates	6978	7160	6892	6920	6885	6750	6735	52.74%
Fuel oil	1502	1451	1289	1190	1118	992	889	6.96%
Others	2846	2810	2611	2575	2520	2389	2393	18.74%
Total European Union	**11956**	**11901**	**11366**	**11252**	**10936**	**10558**	**12770**	**100%**

Notes:

'Light distillates' consists of aviation and motor gasolines and light distillate feedstock (LDF).

'Middle distillates' consists of jet and heating kerosines, 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, liquified petroleum gas (LPG), solvents, petroleum coke, lubricants, bitumen, wax, other refined products and refinery fuel and loss.

Source: BP Statistical Review of World Energy, June 2014

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

(Million Tonnes)

Country/Region	2012				2013*			
	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	720.60	1013.60	-295.41	-29.05	781.00	1024.20	-243.20	-23.75
South & Central America	374.80	299.20	75.84	25.10	374.40	311.60	62.80	20.15
Middle East	1336.83	377.80	961.03	255.73	1329.30	384.90	944.40	245.36
Africa	449.02	166.00	-164.99	-99.08	418.80	170.90	247.90	145.06
Asia Pacific	397.32	1398.20	-1359.69	-97.86	391.90	1414.80	-1022.90	-72.30
of which India	42.03	173.60	277.42	161.67	42.00	175.20	-133.20	-76.03
Japan	-	217.80	-	-	-	204.90	-	-
China	207.47	490.10	-472.05	-97.60	208.10	507.40	-299.30	-58.99
Australia	207.47	47.30	-42.61	-91.32	208.10	47.00	161.10	342.77
Europe & Eurasia	836.35	884.00	-43.49	-4.94	837.50	878.60	-41.10	-4.68
Total World	**4114.92**	**4138.80**	-23.88	-0.58	**4132.90**	**4185.00**	**-52.10**	**-1.24**

Note *: Provisional

Source : BP Statistical Review of World Energy, June 2014

XI.12 World Crude Oil and Petroleum Products Imports and Exports during 2013

Region/Country	Imports		Exports		Imports		Exports	
	Crude	Product	Crude	Product	Crude	Product	Crude	Product
	(Million Tonnes)				(Thousand barrels daily)			
1	2	3	4	5	6	7	8	9
US	384.4	99.2	5.6	151.1	7719	2074	112	3158
Canada	27.6	10.8	132.2	29.7	554	226	2655	621
Mexico	†	28.9	60.3	5.9	‡	603	1212	123
S. & Cent. America	25.1	78.0	151.3	32.1	503	1631	3039	671
Europe	463.8	159.0	18.9	96.6	9313	3324	380	2020
Former Soviet Union	0.2	6.0	300.1	144.5	4.0	126	6027	3021
Middle East	10.8	41.1	855.3	116.1	216	860	17176	2427
North Africa	2.7	19.1	85.2	24.2	54	399	1712	505
West Africa	†	13.2	214.9	7.0	‡	276	4316	146
East & Southern Africa	13.4	20.0	6.8	0.7	269	417	137	15
Australasia	28.4	22.2	11.5	6.5	569	464	231	136
China	282.6	95.6	0.9	31.3	5675	1998	19	653
India	190.5	12.9	†	59.1	3825	269	‡	1236
Japan	178.2	45.5	0.6	14.8	3579	951	13.00	309
Singapore	44.4	101.7	0.1	80.9	892	2125	2	1692
Other Asia Pacific	226.4	144.1	34.4	96.6	4547	3012	690	2020
Total World	**1878.5**	**897.3**	**1878.1**	**897.1**	**37719.0**	**18755.0**	**37721.0**	**18753.0**

† Less than 0.05.

‡ Less than 0.5.

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

Source : BP Statistical Review of World Energy, June 2014

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

(1,000 bbl/day)

Country	2007	2008	2009	2010	2011	2012	2013*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*
			Crude Oil				
Algeria	1253	841	747	709	698	809	744
Angola	1158	1044	1770	1683	1543	1663	1669
Ecquador	342	348	329	340	334	358	316
Indonesia	319	294	250	356	301	300	316
I.R. Iran	2639	2574	2406	2583	2537	2102	1215
Iraq	1643	1855	1906	1890	2166	2423	2390
Kuwait	1613	1739	1348	1430	1816	2070	2058
Libya	1378	1403	1170	1118	300	962	589
Nigeria	2144	2098	2160	2464	2377	2368	2193
Qatar	615	703	647	586	588	588	599
Southi Arabia	6962	7322	6268	6644	7218	7557	7571
UAE	2343	2334	1953	2103	2330	2657	2701
Venezuela	2116	1770	1608	1562	1553	1725	1937
O P E C	**24525**	**24325**	**22562**	**23468**	**23761**	**25582**	**24298**
Note: Indonesia suspended its membership from 2009-2011							
			Refined Petroleum Products				
Algeria	451	457	232	314	492	450	453
Angola	27	41	41	8	26	26	33
Ecuador	40	42	34	28	29	28	20
Indonesia	107	103	82	85	92	71	76
I.R. Iran	388	275	301	371	441	456	394
Iraq	66	85	26	5	164	472	65
Kuwait	739	708	674	632	629	661	805
Libya	198	157	136	48	21	40	76
Nigeria	53	19	12	23	24	8	23
Qatar	74	98	249	322	509	465	511
Saudi Arabia	1139	1058	1008	951	902	862	794
UAE	408	359	374	188	227	225	792
Venezuela	639	912	956	751	786	675	491
O P E C	**4329**	**4314**	**4125**	**3726**	**4342**	**4439**	**4533**

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.

Note: Indonesia suspended its membership from 2009-2011

Source: OPEC Annual Statistical Bulletin 2014.

XI.14 World Imports of Natural Gas by Country

(Million Standard Cubic Metres)

country/region	2007	2008	2009	2010	2011	2012	2013*
1	2	3	4	5	6	7	8
North America	**143850**	**130250**	**127071**	**128562**	**127975**	**120165**	**108272**
Canada	13200	15900	20830	22622	29740	31312	26,622
United States	130650	114350	106241	105940	98235	88853	81,650
Latin America	**26300**	**29810**	**28910**	**37868**	**43531**	**53527**	**63599**
Argentina	1680	1300	2660	3610	7560	8940	11200
Brazil	10020	11030	8440	12600	10482	13850	17400
Chile	2380	750	1490	3410	3920	3820	3778
Dominican Republic	480	470	560	802	882	1280	-
Mexico	10810	13880	13160	15150	18060	22340	26700
Puerto Rico	740	810	760	770	750	1360	-
Uruguay	90	70	40	80	80	60	-
Venezuela	100	1500	1800	1446	1797	1877	1821
Others	-	-	-	-	-	-	2700
Eastern Europe & Eurasia	**187110**	**192010**	**139240**	**147368**	**156253**	**138728**	**136807**
Armania	1900	2300	2050	1750	1873	1900	1900
Belarus	20600	21100	17570	21600	21850	20252	20260
Bulgaria	3050	3100	2640	2160	2640	2540	2768
Czech Republic	8630	8610	9570	11140	11280	7398	8478
Estonia	1000	630	710	360	650	610	-
Georgia	1200	1130	200	200	200	172	-
Hungary	10450	11500	8100	7510	6910	6100	6300
Kazakhstan	6600	5800	7400	6690	6590	6500	6500
Kyrghyzstan	900	1200	1200	190	250	250	-
Latvia	1200	750	1190	660	1550	1450	1450
Lithuania	3400	3090	2740	2630	3000	2450	2450
Maldova	2700	2800	2900	2920	2900	2900	2900
Poland	9280	10280	9150	10894	11170	12366	12460
Romania	4500	4500	2050	2150	2650	2000	1100
Russia	51500	56200	28100	34389	33110	33300	33500
Slovak Republic	5600	5600	5400	6425	5830	5000	5100
Tadzhikistan	600	700	700	700	700	700	700
Ukraine	54000	52720	35460	34250	42000	30890	28023
Others	-	-	2110	750	1100	1950	2918
Western Europe	**378760**	**406925**	**395597**	**424424**	**414672**	**415409**	**415486**
Austria	7000	8100	7190	7530	9780	7812	6413
Belgium	21080	21140	21760	31330	28510	27000	30600
Bosnia/Herzegovina	320	310	220	210	260	240	240
Croatia	1200	1260	1200	1170	820	1340	1340
Denmark	-	0	0	150	370	250	-
Finland	4320	4500	4100	4782	3940	3661	3484
France	46920	49250	49060	46199	47320	47708	47873
Germany	82900	92765	94572	88884	85110	87964	94920
Greece	4010	4140	3290	3815	4640	4376	3866
Ireland	4700	5000	5080	5261	5290	4522	4401
Italy	73880	76870	69310	75348	69930	67802	61953
Luxembourg	1300	1200	1300	1366	1250	1206	1028
Macedonia, f Yug Rep	80	70	80	77	100	100	-
Netherlands	18360	17970	16980	16970	14300	15410	15500
Portugal	4140	4560	4410	5109	5000	4904	4884
Serbia/Montenegro	2100	2150	1550	1933	1878	2240	2240
Slovenia	1100	1000	890	880	770	730	-
Spain	35130	39060	35430	36716	35520	36754	35399
Sweden	1110	1000	1310	1642	1296	1129	1085
Switzerland	2990	3190	3625	3165	3190	3333	3736
Turkey	36160	36850	33180	38037	42560	45922	45270
United Kingdom	29960	36540	41060	53850	52838	49100	48944
Others	-	-	-	-	-	1906	2310

contd...

XI.14 World Imports of Natural Gas by Country

(Million Standard Cubic Metres)

country/region	2007	2008	2009	2010	2011	2012	2013*
1	2	3	4	5	6	7	8
Middle East	**25800**	**35280**	**39100**	**41048**	**45844**	**40599**	**40337**
Iran, I.R.	7300	7100	5800	7243	11659	6720	5329
Jordan	2350	2720	2850	2520	830	800	1200
Kuwait	-	-	890	890	688	688	571
Oman	-	350	1500	1900	1950	1950	1950
Syrian Arab Republic	-	140	910	690	552	350	350
United Arab Emirates	16150	24970	25450	25705	28275	28201	29047
Others	-	-	1700	2100	1890	1890	1890
Africa	**4150**	**4950**	**5250**	**4790**	**5230**	**6000**	**6400**
Morocco	-	500	500	500	550	500	500
South Africa	2900	3200	3500	3040	3300	3600	3700
Tunisia	1250	1250	1250	1250	1380	1900	2200
Asia Pacific	**165150**	**175130**	**172251**	**206285**	**235620**	**267682**	**276276**
China	3870	4440	7630	16350	30490	39700	51800
India	9980	10790	12620	12150	16390	17900	17100
Japan	88820	92250	85900	98015	104000	122243	122489
Korea, South	34390	36550	34320	43579	48780	47311	53157
Malaysia	-	500	900	2938	1990	2340	-
Singapore	7680	9970	10800	8553	8460	8310	-
Taiwan/Chinese Taipai	11010	12080	11790	15890	15930	16694	16798
Thailand	9400	8550	8291	8810	9580	9844	10472
Others						3340	4460
Total World	**931120**	**974355**	**907419**	**990345**	**1029125**	**1042110**	**1047177**

Source : OPEC Annual Statistical Bulletin, 2014.
*: Provisional

XI.15 World Imports of Petroleum Products by Country

(1,000 Barrels/ Day)

Country	2007	2008	2009	2010	2011	2012	2013*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*
NORTH AMERICA	**2713**	**2415**	**2103**	**2087**	**1930**	**1526**	**1439**
Canada	282	330	279	238	266	225	220
United States	2426	2080	1819	1844	1660	1297	1215
Others	5	5	5	5	4	4	4
LATIN AMERICA	**1960**	**2053**	**1946**	**2332**	**2514**	**2473**	**2077**
Brazil	320	344	309	499	655	568	554
Cuba	77	79	9	5	5	5	5
Ecuador	-	-	88.0	104.0	94.0	100.0	115
Mexico	427	478	455	551	612	609	521
Netherland Antilles	66	66	87	95	96	101	99
Panama	43	43	43	52	60	70	54
Puerto Rico	111	106	154	175	166	157	143
Venezuela			68	72	68	145	114
Others	916	938	733	779	758	718	472
Eastern Europe and Eurasia	**398**	**353**	**390**	**418**	**459**	**363**	**346**
Bulgaria	34	30	30	31	35	37	38
Russia	11	11	11	38	66	26	5
Hungary	47	45	44	48	58	37	41
Poland	139	120	160	153	161	124	127
Others	166	146	145	148	139	139	135
WESTERN EUROPE	**5984**	**6207**	**6572**	**6773**	**6758**	**6675**	**6901**
Belgium	357	439	362	307	418	372	529
France	693	700	776	822	817	889	869
Germany	583	704	667	716	671	655	716
Italy	242	230	240	223	212	183	231
Netherlands	1368	1459	1632	1795	1807	1910	1867
United Kingdom	495	437	476	517	488	529	585
Others	2246	2238	2419	2393	2345	2137	2104
MIDDLE EAST	**577**	**555**	**754**	**642**	**646**	**792**	**732**
IR Iran	-	-	182	118	48	33	14
Iraq	-	-	49	48	76	103	84
Saudi Arabia	-	-	225	169	196	319	482
Syrian Arab Rep.	22	21	87	90	92	168	–
Others	555	535	211	217	234	169	152
AFRICA	**842**	**828**	**971**	**1078**	**1152**	**1403**	**1335**
Algeria	-	-	23	17	11	111	160
Angola	-	-	60	56	54	104	42
Egypt	92	103	157	186	164	226	168
Morocco	83	82	81	80	60	53	52
Nigeria	171	156	162	177	162	174	164
Tunisia	68	68	68	78	58	60	60
Others	428	419	420	484	643	675	689
Asia and Pacific	**6451**	**7112**	**7133**	**7345**	**7377**	**7529**	**7825**
Australia	253	337	339	304	334	390	433
China	681	804	777	835	960	895	931
Hong Kong	365	331	389	433	399	361	364
India	415	408	283	326	320	306	311
Japan	954	934	829	930	1300	1075	1004
New Zealand	51	44	45	36	41	36	44
Singapore	1649	1978	2210	2215	1765	2168	2310
Others	2085	2276	2261	2266	2258	2298	2428
TOTAL WORLD	**18926**	**19523**	**19869**	**20675**	**20836**	**20761**	**20655**

Source : OPEC Annual Statistical Bulletin, 2014.

XI.16 World Crude Oil Export by Country

(1,000 Barrels/ Day)

Country	2007	2008	2009	2010	2011	2012	2013
1	*3*	*4*	*5*	*6*	*7*	*8*	*9*
NORTH AMERICA	**1422**	**1564**	**1531**	**1483**	**1723**	**1807**	**2137**
Canada	1401	1525	1486	1441	1675	1746	2018
United States	21	39	45	42	48	61	119
LATIN AMERICA	**4728**	**4479**	**4327**	**4614**	**4446**	**4443**	**4412**
Columbia	244	346	358	482	399	403	367
Ecuador	342	348	329	340	330	356	388
Mexico	1738	1446	1312	1460	1421	1333	1271
Trinidad and Tobago	26	10	94	75	69	53	65
Venezuela	2116	1770	1608	1562	1553	1725	1937
Others	262	559	626	695	674	573	384
EASTERN EUROPE & Eurasia	**5278**	**5058**	**7204**	**7291**	**6822**	**6651**	**6585**
Russia	5264	5046	4967	4977	4786	4757	4710
Others	14	12	2237	2314	2036	1894	1875
WESTERN EUROPE	**3222**	**2785**	**2761**	**2550**	**2179**	**2037**	**1958**
Norway	2012	1702	1773	1605	1423	1303	1198
United Kingdom	933	840	771	736	560	573	595
Others	277	243	217	209	196	161	165
MIDDLE EAST	**16948**	**17576**	**15596**	**16325**	**17874**	**18233**	**17652**
Iran	2639	2574	2406	2583	2537	2102	1215
Iraq	1643	1855	1906	1890	2166	2423	2390
Kuwait	1613	1739	1348	1430	1816	2070	2058
Oman	683	593	671	749	742	768	838
Qatar	615	703	647	586	588	588	599
Saudi Arabia	6962	7322	6268	6644	7218	7557	7571
Syrian Arab Rep.	250	253	250	149	114	–	–
United Arab E.	2343	2334	1953	2103	2457	2445	2701
Others	200	203	147	191	236	280	280
AFRICA	**6784**	**6297**	**7105**	**7210**	**6057**	**6591**	**5851**
Algeria	1,253	841	747	709	698	809	744
Angola	1158	1044	1770	1683	1543	1663	1669
Congo	239	240	272	301	300	248	153
Egypt	44	98	102	87	83	91	97
Gabon	207	209	188	158	127	102	58
Libia	1378	1403	1170	1118	300	962	589
Nigeria	2144	2098	2160	2464	2377	2368	2193
Sudan	-	-	371	389	337	63	70
Others	361	364	325	301	292	285	278
ASIA AND PACIFIC	**1791**	**1742**	**1676**	**1558**	**1345**	**1346**	**1235**
Australia	239	239	272	263	205	260	205
Brunei	182	164	152	161	154	138	115
China	76	107	104	40	51	49	32
Indonesia	319	294	323	356	303	300	316
Malaysia	401	402	372	369	280	268	263
Vietnam	276	206	202	153	104	110	102
Others	298	330	251	216	248	221	202
TOTAL WORLD	**40173**	**39501**	**40200**	**41031**	**40446**	**41108**	**39830**
OPEC	24206	24031	22312	23112	23583	25068	24054
OPEC percentage	60%	61%	56%	56%	58%	61%	60%

Note: Revision have been made throughout the time series. Data includes re-exports.

Source : OPEC Annual Statistical Bulletin, 2014

XI.17 World Exports of Refined Products by Country

(1,000 Barrels/ Day)

Country	2007	2008	2009	2010	2011	2012	2013
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*
NORTH AMERICA	**1673**	**2086**	**2222**	**2475**	**2934**	**3165**	**3352**
Canada	443	445	431	411	387	467	505
United States	1230	1641	1790	2063	2547	2698	2847
Others	0	0	1	1	0	0	0
LATIN AMERICA	**2299**	**2510**	**2455**	**2170**	**2166**	**1904**	**1661**
Brazil	193	163	155	124	124	121	145
Ecuador	40	42	34	28	29	28	20
Mexico	221	244	219	209	194	146	187
Netherland Antilles	230	231	201	203	184	165	156
Trinidad and Tobago	104	94	108	88	115	68	91
Venezuela	639	912	956	751	786	675	491
Virgin Islands	419	421	394	367	340	313	315
Others	453	403	388	400	394	388	256
EASTERN EUROPE & Eurasia	**2015**	**1450**	**2890**	**2586**	**2727**	**2754**	**2939**
Romania	**95**	101	96	75	76	74	76
Russia	**1730**	1127	2159	1913	1923	1980	2123
Others	191	222	635	598	728	700	740
WESTERN EUROPE	**5680**	**5680**	**5527**	**5790**	**5852**	**6148**	**6170**
Belgium	430	400	343	339	378	383	491
France	531	571	466	446	430	414	394
Germany	572	517	453	363	364	377	396
Italy	585	527	489	559	507	544	458
Netherlands	1565	1645	1871	2106	2078	2150	2117
United Kingdom	611	561	521	543	575	558	537
Others	1386	1459	1384	1434	1520	1722	1777
MIDDLE EAST	**3199**	**2960**	**2950**	**3050**	**3346**	**3360**	**3707**
Bahrain	253	238	240	247	241	246	248
Iran	388	275	301	371	441	456	394
Iraq	66	85	30	5	1	2	65
Kuwait	739	708	674	632	629	661	805
Qatar	74	98	249	322	509	465	511
Saudi Arabia	1139	1058	1008	951	902	862	794
United Arab E.	408	359	302	376	524	524	792
Others	133	139	146	146	99	144	98
AFRICA	**1077**	**1011**	**745**	**591**	**703**	**567**	**720**
Algeria	451	457	232	314	492	351	453
Angola	27	41	41	8	26	26	33
Egypt	65	67	54	61	61	51	42
Gabon	7	7	6	5	7	9	9
Nigeria	53	19	136	48	21	40	76
Libya	198	157	12	23	24	8	23
Others	275	263	264	132	72	82	84
ASIA AND PACIFIC	**4263**	**5055**	**5290**	**5323**	**5340**	**5257**	**5597**
Australia	64	50	49	43	36	47	40
China	313	456	523	583	621	524	625
Indonesia	107	103	82	85	92	71	76
Japan	287	406	391	369	345	269	340
Malaysia	248	189	286	303	308	402	493
Singapore	1475	1623	1766	1767	1671	1731	1743
Others	1769	2228	2193	2173	2267	2213	2,280
TOTAL WORLD	**20207**	**20752**	**22079**	**21985**	**23068**	**23155**	**24146**
OPEC	4222	4211	3975	3829	4384	4098	4457
OPEC percentage	21%	20%	18%	17%	19%	18%	18%

Note:Revision have been made throughout the time series.Data includes re-exports of petroleum products from gas

Source : OPEC Annual Statistical Bulletin, 2014.

XI.18 International Petroleum Crude Price Index

Petroleum Spot	2007	2008	2009	2010	2011	2012	2013
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*
U.K. BRENT 38.0/0.26	347.30	466.11	295.26	381.04	533.08	558.26	519.96
USA WEST TAXAS INTERMEDIATE, 40.0/0.4	295.54	408.83	252.98	324.69	388.35	384.71	400.49
UAE DUBAI FATEH 32.5/1.43	335.53	460.50	303.39	383.22	521.15	535.18	517.42
IRAN LIGHT 33.9/1.4	335.76	458.62	296.75	378.78	524.66	531.93	519.33
IRAN HEAVY 31.0/1.6	336.82	459.52	304.47	385.43	532.95	547.76	531.04
INDONESIA MINAS 33.0/0.1	316.25	432.72	279.02	353.74	493.51	501.29	461.78
NIGERIA BONNY LIGHT, 36.7/0.1	311.01	419.78	261.80	335.55	472.48	470.45	463.37
MEXICO ISTHUMAS, 31.8/1.51	306.49	431.84	275.96	353.11	479.09	483.22	476.92
RUSSIA URALS 36.1/2.52	308.56	420.90	271.61	347.78	484.43	490.20	479.15
MALAYSIA TAPIS 44.3/0.2	289.37	388.52	241.73	307.47	435.34	434.71	425.08
AUSTRALIA Gippsland GIPPSLAND, 46.0/0.13	319.86	430.40	270.15	346.02	482.26	476.25	457.83
SAUDI ARABIA ARAB HEAVY, 28.0/3.0	341.93	469.47	320.99	402.56	554.40	577.09	553.49

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

Base year (1990 =100)

Source : OPEC Annual Statistical Bulletin, 2014.

XI.19 Spot Prices of Key OPEC Crude

(in USD/bbl)

Period	Country/Crude Name										
	Kuwait Kuwait Export	Libia Brega	Nigeria Forcados	Qatar Dukhan	Saudi Arabia Arab Heavy	UAE Murban	Indonesia Attacka	I.R.Iran		Iraq Basrah Light	Oman Oman
								Iran Light	Iran Heavy		
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*
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	60.50	62.06
2010	76.32	79.67	81.06	79.36	75.56	79.94	81.78	78.18	76.74	76.79	78.34
2011	105.63	112.89	113.65	108.86	104.06	109.77	115.50	108.29	106.11	106.17	106.63
2012	108.93	111.45	113.66	109.26	110.22	111.76	114.71	109.79	109.06	107.96	109.35
2013	105.04	108.51	111.36	105.32	106.53	108.21	107.29	107.19	105.73	103.60	105.51
Jan, 2013	108.31	113.0	na	na	106.54	110.39	na	110.4	108.5	107.5	107.94
Feb	111.79	116.5	na	na	110.15	113.92	na	114.7	112.2	110.5	111.25
Mar	105.17	108.62	na	na	103.16	108.45	na	108.5	105.5	104.2	105.56
Apr	100.07	102.67	na	na	98.50	104.46	na	101.27	99.71	98.22	101.72
May	99.82	103.03	na	na	98.98	102.83	na	100.98	99.72	98.23	100.46
Jun	100.22	103.27	na	na	99.64	102.61	na	101.73	100.61	98.94	100.35
Jul	103.22	108.11	na	na	101.78	105.58	na	105.54	103.65	103.24	103.53
Aug	106.47	111.52	na	na	105.33	109.18	na	109.17	107.06	106.07	106.94
Sep	108.02	112.15	na	na	106.72	111.14	na	110.47	109.15	106.61	108.56
Oct	106.13	109.29	na	na	105.04	110.13	na	108.19	107.69	103.69	106.78
Nov	104.73	108.17	na	na	104.90	109.36	na	106.52	106.87	101.63	105.95
Dec	107.30	111.01	na	na	106.77	111.22	na	108.98	108.96	105.12	107.83

Notes : Upto 2005, prices are averages of weakly fob quotations. As of 2006 based on daily quotations.

na: not available

Source : OPEC Annual & monthly Statistical Bulletin, 2014.

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

(Average Unit Value, FOB)

Crude	Country	2007	2008	2009	2010	2011	2012	2013
1	2	3	4	5	6	7	8	9
Brent	UK(North Sea)	72.35	97.10	61.70	79.51	111.21	111.68	108.68
WTI	U.S.A	72.23	99.67	61.93	79.48	95.04	94.12	98.03
WTS	U.S.A	67.21	95.93	60.40	77.32	92.99	88.71	95.41
Light Lui.	Louisiana	75.32	102.45	64.54	82.83	112.38	111.69	107.39
Dubai	UAE	68.35	94.20	61.86	78.13	106.33	109.02	105.44
Iran Light	Iran	67.03	93.46	61.26	77.88	109.08	109.81	107.4
Iran Heavy	Iran	65.4	91.07	60.6	76.85	107.11	108.19	105.63
Urals	Russia	69.4	94.07	61	78.17	109.61	110.85	108.39
Minas	Indonesia	72.55	99.62	64.71	82.22	114.41	116.26	110.08
Tapis	Malaysia	77.76	104.90	65.08	82.72	119.30	117.00	115.10

Source : Energy Prices and Taxes, 2nd Quarter of 2014. International Energy Agency Publication.

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

Product	2007	2008	2009	2010	2011	2012	2013
1	2	3	4	5	6	7	8
			NW EUROPE				
Gasoline	83.35	100.22	70.06	87.32	116.42	122.89	116.69
Gas Oil	85.17	123.85	69.38	89.75	125.02	128.03	123.4
Jet/Kero	88.69	126.59	71.02	90.63	127.42	129.00	124.12
Naphtha	75.67	88.90	59.91	80.11	104.56	105.37	101.44
LSFO	54.49	79.14	56.36	72.28	100.38	105.12	96.43
HSFO	50.99	70.11	52.93	67.99	94.51	97.65	91.47
			U.S.A				
Gasoline	93.06	109.38	73.42	91.29	123.86	131.91	127.42
Gas Oil	84.34	117.97	68.05	88.24	122.41	125.43	120.4
Jet/Kero	89.50	124.07	69.93	90.31	125.92	128.22	122.67
Naphtha	71.50	87.17	55.95	78.12	100.48	98.05	94.47
LSFO	54.49	79.14	56.36	72.28	100.38	na	na
HSFO	53.23	72.59	55.92	69.70	95.72	99.32	92.96
			SINGAPORE				
Gasoline	82.74	103.25	70.37	88.48	119.81	123.44	118.98
Gas Oil	86.98	123.42	70.44	90.39	126.25	128.08	123.24
Jet/Kero	86.90	122.30	70.26	90.28	125.70	126.81	122.87
Naphtha	75.38	89.90	61.07	79.41	102.75	103.73	101.2
LSFO	58.27	88.34	53.31	80.83	109.75	115.43	106.16
HSFO	58.11	79.12	58.43	73.23	114.76	118.22	111.96

Source : Energy Prices and Taxes, 2nd Quarter of 2014. International Energy Agency Publication.

na: not available

XI. 22 Natural Gas Prices for Industry and Household Use

USD/MWh (GCV basis) (using PPPs)

Country	2007	2008	2009	2010	2011	2012	2013*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*
			FOR INDUSTRIAL USE				
Belgium	na	38.4	37	28.6	32.4	34.6	36.1
Canada	16.5	26.2	14.1	11.6	12.3	9.6	11.5
Czech Repubic	49.0	63.2	62.5	62.4	66.6	71.7	69.6
Estonia	na	48.2	46.4	52.5	54.4	66.2	64.6
Finland	17.9	23.9	22.9	25.0	35.8	39.2	39.4
France	29.1	40.5	31.7	36.7	43.8	47.3	46.4
Germany	43.5	48.2	42.6	42.7	46.4	44.7	48.1
Greece	38.5	54.0	39.3	47.9	58.1	77.4	71.1
Hungary	70.2	86.3	84.9	60.9	70.8	86.1	80.3
Ireland	c	38.1	33.7	33.2	38.1	43.5	48.4
Italy	37.7	48.2	44.5	40.2	na	na	na
Japan	38.2	na	39.4	42.9	52.2	58.7	na
Korea	57.2	60.2	63.9	72.0	77.9	86.0	101.8
Luxembourg	na	23.8	31.9	34.4	39.8	42.7	43.9
Mexico	44.2	55.6	na	na	na	na	na
Netherlands	33.3	37.3	36.4	30.6	33.3	36.4	37.8
New Zealand	21.6	19.7	22.0	18.9	19.0	19.4	20
Poland	48.3	59.4	62.5	64.8	69.1	78.7	74
Portugal	40.8	49.6	47.5	48.1	57.5	67.8	69.5
Slovak Republic	54.2	71.2	62.8	68	71	80.3	73.2
Slovenia	na	60.8	55	60.8	67	83.1	73.1
Spain	32.7	39.7	38	35.3	38.4	50	50
Sweden	39.1	49.5	42.2	44.9	49.8	49.3	48.1
Switzerland	37.1	44.8	43.5	39.3	44.6	48.3	48.8
Turkey	57	71.9	68.4	55.8	57.2	71.4	na
U.K	22.2	32.2	29.8	26.5	31.7	35.2	38.6
U.S.A	25.3	31.9	17.6	17.8	16.9	12.8	15.4
OECD Total	30.8	38.5	29.1	28.4	29.8	29.8	29.7
			FOR HOUSEHOLD USE				
Austria	67.7	70.7	76.7	73.0	80.6	85.2	84.4
Belgium	na	75.2	65.6	66.3	81.4	85.4	79.6
Canada	36.8	37.6	32.5	31.2	29.6	27.7	28.2
Chile	135.8	178.1	149.9	169.6	191.5	174.5	159.3
Czech Repubic	72.2	87.4	96.4	93.7	108.8	128.8	123.4
Denmark	na	na	78.6	90.4	98.2	93.4	95.5
Estonia	na	64.9	72.6	74.1	82.6	95.5	90.9
Finland	25.6	33.4	32.6	35.4	49.3	53.6	54.1
France	55.2	61.4	61.2	65.5	73.8	77.5	80.3
Germany	78.3	87.5	86.6	79.9	85.5	90.5	91.2
Greece	87.3	101.9	92.8	100.3	112.0	160.1	176.7
Hungary	73.9	85.8	99.6	91.9	103.4	108.8	101.2
Ireland	71.9	63.9	70.8	66.2	70.1	82.8	90.6
Italy	78.0	85.9	84.5	91.0	na	na	na
Japan	104.1	na	109.8	111.8	122.9	129.3	na
Korea	74.0	76.4	77.2	77.4	84.3	91.9	98.1
Lexembourg	na	55.7	48.8	47.3	58.8	64.3	64.7
Mexico	80.5	57.5	66.9	65.1	59.3	51.1	55.8
Netherlands	75.4	86.6	85.8	76.5	83.7	93.0	94.6
New Zealand	76.2	91.9	81.1	79.5	87.3	91.8	97.4
Poland	88.7	104.2	115.8	110.1	118.1	126.4	119.2
Portugal	102.2	96.6	94.1	96.8	107.4	131.5	146.5
Slovak Republic	84.7	89.9	94.8	89.6	97.4	104.6	104.7
Slovania	na	98.3	97.3	97.4	113.6	127.1	115.4
Spain	74.7	83.9	81.1	77.8	90.9	115.8	119.9
Sweden	94.9	106.7	108.4	109.5	120.3	122.1	122.8
Switzerland	56.7	65.8	63.4	60.3	66.1	71.9	73.3
Turkey	67.1	82.7	83.3	72.1	71.7	87.2	na
U.K	43.6	51.6	58.0	53.0	60.2	66.0	70.7
U.S.A	43.0	45.9	40.0	37.0	36.4	35.3	34
OECD Total	55.8	59.5	59.5	57.9	57.7	62.6	59.2

GCV: Gross Calorific Valuena: not available

c: price is confidential * : Provisional MWh: megawatt hour PPP: Purchasing powe parities

Source : Energy Prices and Taxes, 2nd Quarter of 2014, International Energy Agency Publication.

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

(Average Unit Value, CIF)

Country	2007	2008	2009	2010	2011	2012	2013*
1	2	3	4	5	6	7	8
IEA**	69.33	97.19	60.40	78.13	107.61	109.15	105.84
IEA Europe	70.81	96.83	61.09	79.05	110.54	111.58	108.93
Australia	77.13	107.83	63.40	82.60	155.66	117.78	114.19
Austria	71.86	103.05	60.69	80.00	110.92	112.50	110.63
Belgium	70.35	96.01	61.77	79.65	110.50	110.83	108.45
Canada	70.04	101.41	60.29	79.14	110.80	110.61	108.6
France	72.22	97.63	61.64	79.78	111.78	112.01	109.56
Germany	71.60	96.70	61.18	78.49	110.63	112.21	109.62
Greece	69.93	93.60	60.10	78.97	109.41	111.92	107.61
Italy	70.20	96.67	60.69	79.29	110.23	112.18	109.98
Japan	70.09	100.98	61.29	79.43	109.30	114.75	110.61
Korea	70.01	98.11	61.12	78.72	108.63	113.24	108.59
Netherlands	68.74	97.89	60.54	78.55	109.19	111.54	108.55
New Zealand	73.84	105.80	65.85	80.62	112.38	117.70	113.43
Spain	68.66	94.86	59.78	77.84	108.50	109.48	106.77
Sweden	70.13	95.09	60.58	79.00	110.67	112.36	109.1
U.K	73.80	99.34	62.39	80.60	113.49	112.62	110.27
U.S.A	66.77	94.97	58.83	76.02	102.43	101.16	97.25

**: Computed across the countries of the region using importvolumes as current weights. Poland is included since Jan. 2008; the Slovac Republic is included since Jan. 2007; 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" 2nd Quarter of 2014.

XI.24 Spot Prices of Key OPEC Crude Oils

(US $/bbl)

Year/Month	Iran	Kuwait	Nigeria Bonny	Saudi Arabia		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*
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
2010						
January	75.62	75.69	77.39	76.46	75.60	76.69
March	77.70	76.29	80.40	77.24	75.87	77.31
June	73.13	72.30	76.00	73.84	71.19	73.99
September	76.82	72.92	79.65	74.55	71.88	75.13
December	90.60	87.25	93.08	89.59	86.11	89.17
2011						
January	94.90	91.45	98.10	93.59	90.26	92.33
March	111.44	107.66	116.75	110.37	105.80	108.71
June	110.45	106.65	117.27	109.37	104.34	107.77
September	108.47	105.16	115.63	107.72	103.18	106.31
December	107.06	107.06	110.71	107.96	106.61	106.43
2012						
January	109.8	112.00	113.08	112.82	111.73	109.86
March	122.8	122.32	127.98	123.43	121.84	122.47
June	93.35	93.32	97.19	94.51	92.67	94.44
September	112.24	110.02	114.06	111.32	109.76	111.22
December	107.61	106.19	111.19	108.35	104.79	106.34
2013						
January	110.38	108.31	115.41	110.64	106.54	107.94
February	114.68	111.79	118.69	113.95	110.15	111.25
March	108.52	105.17	110.57	107.61	103.16	105.55
April	101.27	100.07	105.17	101.97	98.50	101.68
May	100.98	99.82	105.83	101.06	98.98	100.3
June	101.73	100.22	106.12	101.30	99.64	100.32
July	105.54	103.22	110.21	105.03	101.78	103.52
August	109.17	106.47	113.62	108.09	105.33	106.81
September	110.47	108.02	114.30	109.48	106.72	108.28
October	108.19	106.13	112.44	107.14	105.04	106.7
November	106.52	104.73	111.47	104.84	104.90	105.95
December	108.98	107.30	113.11	108.07	106.77	107.8

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

(US$bbl)

Market/Product	2012					2013											
	Jan	Mar	June	Sept	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*	*14*	*15*	*16*	*17*	*18*
NAPHTHA:																	
North Europeon Market, FOB Rotterdam	105.18	118.32	80.61	106.90	103.83	103.22	109.76	100.7	90.19	92.13	93.29	96.98	101.1	102.87	99.76	102.81	105.86
South Europeon Market, FOB Italy	127.73	144.28	98.22	130.38	126.41	100.01	106.55	97.68	87.46	89.61	91.01	94.51	98.53	100.74	97.78	100.56	102.81
US East Coast Market, spot cargos New York	115.69	127.14	99.86	124.84	118.67	na	na	na	na	na	na	na	na	na	na	na	na
Carribean Market,Cargoes	121.08	133.64	88.94	114.59	110.27	113.55	127.69	119.8	97.11	93.77	88.24	105.97	107.39	106.06	104.98	103.69	113.46
Singapore Cargoes	104.82	119.33	80.72	106.81	103.21	105.55	111.89	102.09	93.43	93.56	94.16	97.7	101.01	102.76	100.2	103.69	107.53
Middle East Gulf Market, FOB	102.73	115.92	79.27	103.84	99.77	102.51	107.36	97.85	90.49	91.39	92.45	96.21	99.05	100.62	98.21	101.39	104.63
GASOLINE																	
North Europeon Market, FOB, (regular unleaded)	115.91	137.82	110.72	133.41	127.74	124.95	133.87	122.54	116.92	120.23	119.78	124.48	126.26	122.5	119.49	118.89	120.87
North Europeon Market, FOB, (premium) 50ppm	119.56	141.01	114.57	137.67	120.03	121.16	130.68	120.98	116.61	116.33	116.4	121.89	124.28	119.3	114.49	112.43	115.53
South Europeon Market, FOB Italy(premium) 50ppm	134.52	155.92	128.86	154.44	131.52	121.16	130.68	120.98	116.61	116.33	116.40	121.89	124.28	119.30	114.49	112.43	115.53
US East Coast, NewYork (regular unleaded 87)	118.60	133.40	108.91	130.65	114.02	119.81	128.24	123.04	115.39	115.16	115.17	122.43	123.37	116.39	112.46	112.08	114.52
Singapore Cargoes(Premium Unl. 95)	123.99	136.64	104.46	125.97	118.85	122.77	132.98	124	113.95	114.4	117.85	121.73	117.11	117.31	114.36	114.89	118.66
Singapore Cargoes(Premium Unl. 92)	120.69	134.48	101.16	122.25	115.89	120.07	129.78	120.78	110.77	111.08	114.75	118.79	114.67	114.28	111.6	111.94	115.81
JET KERO																	
North Europeon Market, FOB Rotterdam	129.31	139.12	114.3	136.77	128.37	131.56	136.61	125.31	118.43	117.44	119.85	124.14	127.64	127.45	126.65	124.88	128.43
US East Coast, New York	131.82	138.34	113.95	135.87	127.66	133.98	136.47	125.29	117.97	115.1	117.45	123.3	127.33	125.27	123.13	122.42	128.73
Carribean Cargoes	142.68	150.67	113.93	135.20	125.49	131.81	136.72	125.96	119.14	116.04	117.88	123.23	127.83	124.38	122.88	119.92	125.53
Singapore Cargoes	126.70	136.18	110.29	132.57	124.75	128.09	133.77	123.5	116.2	115.37	116.75	121.18	124.73	123.87	123.08	122.63	126.68
Middle East Gulf Market, FOB	124.40	133.87	107.88	129.96	121.59	125.44	131.3	120.4	113.32	112.95	114.4	119.14	122.23	121.22	120.56	120.35	124.18
GAS OIL/Diesel																	
North Europeon Market, FOB Rotterdam	128.15	137.72	113.43	134.72	124.71	128.47	133.3	123.85	117.31	116.51	118.31	122.6	126.03	127.3	124.77	122.47	125.54
South Europeon Market, FOB Italy	133.70	144.14	117.72	139.88	129.88	129.18	133.96	122.98	116.12	115.82	117.7	122.76	125.75	126.39	125.15	123.29	126.27
US East Coast, New York	128.78	136.44	113.7	136.32	125.77	128.75	132.63	123.26	115.54	114.32	115.34	120.42	123.47	123.67	123	122.11	126.72
Carribean Cargoes	126.73	134.52	109.97	131.98	124.86	128.12	133.53	123.6	116.33	115.81	117.61	121.79	125.58	124.68	123.37	120.25	124.38
Singapore Cargoes	129.98	138.08	111.98	132.61	125.07	127.01	132.75	123.64	116.77	116.72	119.28	123.14	124.14	123.57	123.89	123.34	126.33
Middle East Gulf Market, FOB	125.92	133.72	107.14	127.75	120.02	124.21	130.14	120.35	113.72	114.16	116.79	120.98	121.49	120.76	121.21	120.92	123.67
FUEL OIL																	
North Europeon Market (1%s)	106.12	118.27	93.24	109.44	94.35	99.44	104.22	96.98	92.3	94.09	94.82	94.57	95.36	95.88	93.89	93.49	94.96
North Europeon Market (3.5%s)	105.87	111.72	88.76	102.07	91.16	96.75	99.85	95.4	92.19	92.26	91.87	94.55	94.95	93.88	92.58	90.63	91.72
South Europeon Market,(1%s) FOB italy	96.77	105.67	82.32	97.82	84.58	100.85	104.5	96.03	91.59	94.14	95.54	94.27	95.63	96.39	93.94	93.94	95.9
South Europeon Market,(3.5%s) FOB italy	89.97	94.92	75.2	86.67	77.22	95.97	98.87	94.69	90.74	90.75	91.9	93.65	94.35	94.09	92.18	91.29	90.93
US East Coast, New York (0.3%S)	49.19	54.65	42.35	49.84	109.95	119.94	132.23	114.95	107.52	105.59	102.46	101.13	105.26	107.03	111.27	120.32	121.67
US East Coast, New York (2.2%S)	43.33	47.9	36.78	45.78	92.46	98.58	102.34	97.15	93.67	93.12	92.17	92.62	94.14	95.06	93.9	91.83	93.28
Carribean Cargoes (2%s)	96.27	107.04	80.57	99.31	89.46	95.58	99.34	94.15	90.67	90.12	89.26	90.1	91.94	94.1	91.43	89.69	91.69
Carribean Cargoes (2.8%s)	94.62	105.26	79.17	97.06	87.80	92.82	96.5	91.25	87.48	86.64	84.81	85.1	86.94	89.1	86.43	84.69	86.69
Singapore Cargoes (380 Cst)	110.79	114.99	91.4	104.70	94.20	98.48	101.44	98.49	95.45	94.19	93.38	93.15	94.46	94.48	95.69	93.88	94.92
Singapore Cargoes (180 Cst)	111.16	115.14	91.87	105.32	96.74	99.53	102.05	99.53	96.42	95.87	96.81	95.23	97.82	96.3	96.88	96.32	97.02
Middle East Gulf Market, (180 Cst)	108.57	112.71	89.6	102.45	91.84	95.16	97.98	95.82	92.67	92.18	93.56	90.56	90.93	91.64	92.55	90.92	91.56

Source : OPEC Monthly Statistical Bulletin, 2014 (OPEC Bulletin 1/14)

XI.26 World Survey of Selected Petroleum Products Prices in 2013

Country	US $ Exchange Rate in National Currencies	Automotive Diesel Oil Non-commercial use (US$/Ltr)	Heavy/High Sulphur Fuel Oil (US$/tonne)	Light Fuel Oil For Household Use (US$/1000Ltr)	Light Fuel Oil For Industry Use (US$/1000Ltr)
1	2	3	4	5	6
Australia	1.036	1.496	..	..	..
Austria	0.753	1.801	..	1257	987.7
Belgium	0.753	1.959	x	1119.9	925.5
Canada	1.03	..	718.7	1168.7	917.0
Chile	495.28	1.248	..	1272.8	..
Czech Repubic	19.56	1.847	c	1228.2	923.8
Denmark	5.618	2.016	..	2059.7	1197.3
Estonia	0.753	1.756	..	1322.8	1102.3
Finland	0.753	2.000	..	1466.1	1182.3
France	0.753	1.792	..	1231.2	984.7
Germany	0.753	1.897	..	1108.1	902.2
Greece	0.753	1.827	..	1684.2	1369.3
Hungry	223.6	1.904	..	x	..
Ireland	0.753	2.013	1105.1	1415.6	1150.6
Israel	3.609	..	c	..	c
Italy	0.753	2.203	..	1873.7	1545.3
Japan	97.6	1.385	..	1013.6	934.7
Korea	1095	1.580	823.9	1247.1	x
Luxembourg	0.753	1.617	x	1023.2	928.2
Mexico	12.77	0.919	548.4	x	691.5
Netherlands	0.753	1.886	x	..	..
New Zealand	1.22	1.206	676.2	..	760.5
Norway	5.877	2.239	x	1677.5	1342.0
Poland	3.16	1.732	670.1	1239.1	975.2
Portugal	0.753	1.843	x	1708.8	..
Slovak Republic	0.753	1.865	x	..	1098.4
Slovenia	0.753	1.831	x	1337.1	1105.1
Spain	0.753	1.803	..	1210.2	1000.2
Sweden	6.513	2.234	x	2046.8	1026.3
Switzerland	0.927	2.040	x	1083.7	944.8
Turkey	1.905	..	..	..	..
U.K	0.64	2.195	x	1090.9	1007.9
U.S.A	1	1.036	694	1048.4	783.7

.. : not available

x : not applicable c : confidential

Source : International Energy Agency's "Energy Prices and Taxes" 2nd Quarter of 2014.

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

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

Ports	2007	2008	2009	2010	2011	2012	2013	2014
1	2	3	4	5	6	7	8	9
Paris	200.10	333.80	142.80	226.11	337.38	341.81	314.42	303.58
Frankfurt	192.99	330.03	140.39	223.24	330.00	341.02	303.55	298.08
Nairobi	202.11	333.06	148.94	234.05	339.44	347.24	NA	NA
Kualalampur	185.56	303.74	132.36	213.35	319.36	330.97	293.61	290.47
Singapore	186.71	305.59	145.23	212.18	321.68	326.91	289.58	285.65
Abu Dhabi	193.47	316.21	146.42	228.97	334.64	343.83	307.63	300.99
Dubai	202.66	319.89	150.10	227.56	332.90	333.84	301.75	292.99
London	200.64	333.43	144.17	226.285	337.55	342.35	304.94	303.29
Kuwait	197.00	285.94	133.13	206.23	300.75	309.81	280.94	274.67
New York	206.49	320.68	147.75	219.92	324.55	356.19	303.13	304.34
Tokyo	195.39	314.16	143.21	221.71	327.36	346.63	314.95	303.54
Mumbai	241.57	384.85	163.92	252.83	374.67	392.82	323.15	316.85
Delhi	243.63	387.40	166.16	254.66	378.02	392.40	322.80	315.32
Madras	238.47	381.12	164.18	253.91	358.89	390.71	324.01	317.61

NA : Not available *: Average price.

Source : Air India

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

Country	2007		2008		2009		2010		2011		2012		2013*	
	NO.	DWT	NO.	DWT	NO.	DWT	NO.	DWT	NO.	DWT	NO.	DWT	NO	DWT
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*	*14*	*15*
Algeria	1	315.0	1	315.0	1	315.0	1	315.0	1	315.0	1	315.0	1	160
Angola	na	na							8	1186.0	30	4775.0	31	2363
Ecuador	na	na	8	269	8	269	8	269	10	579	14	957	18	1231
I.R.Iran	29	6202.0	42	9560.0	42	9560.0	47	10994.0	47	10994.0	47	10994.0	47	10994
Iraq	1	37.0	2	26.0	4	53.0	4	53.0	4	53.0	4	53.0	4	50
Kuwait	22	3241.0	21	3113.0	20	3110.0	16	2223.0	16	2223.0	21	3404.0	19	3547
S.P. Libyan,A.J.	8	627.0	8	627.0	8	627.0	8	627.0	5	548.0	5	548.0	5	548
Nigeria	2	409.0	2	409.0	2	409.0	2	409.0	2	409.0	2	409.0	2	409
Qatar	6	528.0	6	528.0	6	528.0	6	528.0	6	528.0	6	528.0	6	528
Saudi Arabia	41	10055.0	46	10483.0	40	8662.0	35	6993.0	32	5766.0	20	5051.0	23	6004
UAE	6	218.0	13	660.0	13	660.0	13	660.0	13	660.0	13	660.0	13	660
Venezuela	21	1348.0	16	1091.0	16	1091.0	16	1091.0	18	1348.0	19	1452.0	22	2066
Total OPEC	137	22980	165	27081	160	25284	156	24162	162	24609	182	29146	191	28560
Total World	**4418**	**375591**	**4825**	**398196**	**5713**	**481185**	**5147**	**444815**	**5406**	**462549**	**5188**	**485470**	4912	472169
OPEC %age		6%		7%		5%		5%		5%		6%		6%

Notes: Figures as at year-end. Totals may not add up due to independent rounding. Including crude oil, petroleum and chemical carriers.

na: not available DWT: Dead Weight Tonnage

Source :OPEC Annual Statistical Bulletin, 2014.

XI.29 Oil Trade Movements

Thousand barrels daily

To/From	2007	2008	2009	2010	2011	2012	2013	2013 share of total
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*
Imports								
US	13632	12872	11453	11689	11338	10587	9792	17.3%
Europe #	13953	13751	12486	12094	12208	12488	12637	22.4%
Japan	5032	4925	4263	4567	4494	4743	4530	8.0%
Rest of World	22937	23078	24132	25160	26570	27496	29516	52.3%
Total World	**55554**	**54626**	**52334**	**53510**	**54610**	**55314**	**56475**	**100.0%**
Exports								
US	1439	1967	1947	2154	2497	2680	3271	5.8%
Canada	2457	2498	2518	2599	2798	3056	3276	5.8%
Mexico	1975	1609	1449	1539	1487	1366	1335	2.4%
South & Central America	3570	3616	3748	3568	3764	3834	3710	6.6%
Europe	2273	2023	2034	1888	2053	2174	2400	4.2%
Former Soviet Union	8334	8184	7972	8544	8791	8597	9048	16.0%
Middle East	19680	20128	18409	18883	19753	19699	19603	34.7%
North Africa	3336	3260	2938	2871	1949	2604	2217	3.9%
West Africa	4830	4587	4364	4601	4654	4564	4462	7.9%
Asia Pacific	6004	5392	5631	6226	6217	6419	6680	11.8%
Rest of World *	1656	1363	1323	637	646	322	473	0.8%
Total World	**55554**	**54627**	**52333**	**53510**	**54609**	**55315**	**56475**	**100.0%**

* Includes unidentified trade.

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

Source: BP Statistical review of World Energy, June 2014

XI.30 World Primary Energy Consumption by Fuel* during 2013

Million tonnes oil equivalent

Country	Oil	Natural Gas	Coal	Nuclear Energy	Hydro electricity	Renew-ables	Total
1	2	3	4	5	6	7	8
US	831.0	671.0	455.7	187.9	61.5	58.6	**2265.7**
Canada	103.5	93.1	20.3	23.1	88.6	4.3	**332.9**
Mexico	89.7	74.5	12.4	2.7	6.2	2.5	**188.0**
Total North America	**1024.2**	**838.6**	**488.4**	**213.7**	**156.3**	**65.4**	2786.6
Argentina	29.4	43.2	0.7	1.4	9.2	0.7	**84.6**
Brazil	132.7	33.9	13.7	3.3	87.2	13.2	**284.0**
Chile	17.6	3.9	7.4	–	4.4	1.4	**34.7**
Colombia	13.9	9.6	4.3	–	10	0.1	**37.9**
Ecuador	11.6	0.5	–	–	2.5	0.1	**14.7**
Peru	10	5.9	0.8	–	4.8	0.2	**21.7**
Trinidad & Tobago	1.8	20.2	–	–	–	†	**22.0**
Venezuela	36.2	27.5	0.2	–	19	†	**82.9**
Other S. & Cent. America	58.4	7.1	2.1	–	20.9	2.5	**91.0**
Total S. & Cent. America	**311.6**	**151.8**	**29.2**	**4.7**	**158.1**	**18.3**	673.7
Austria	12.5	7.6	3.6	–	8.4	1.9	**34.0**
Azerbaijan	4.6	7.8	†	–	0.3	–	**12.7**
Belarus	8.7	16.5	0.1	–	†	0.1	**25.4**
Belgium	31	15.1	2.9	9.6	0.1	2.8	**61.5**
Bulgaria	4.1	2.4	5.9	3.2	0.9	0.6	**17.1**
Czech Republic	8.6	7.6	16.5	7	0.9	1.5	**42.1**
Denmark	7.8	3.4	3.2	–	†	3.7	**18.1**
Finland	8.9	2.6	3.7	5.4	2.9	2.7	**26.2**
France	80.3	38.6	12.2	95.9	15.5	5.9	**248.4**
Germany	112.1	75.3	81.3	22	4.6	29.7	**325.0**
Greece	14	3.2	7.1	–	1.5	1.4	**27.2**
Hungary	6	7.7	2.7	3.5	†	0.5	**20.4**
Republic of Ireland	6.7	4	1.3	–	0.1	1.1	**13.2**
Italy	61.8	57.8	14.6	–	11.6	13	**158.8**
Kazakhstan	13.8	10.3	36.1	–	1.8	†	**62.0**
Lithuania	2.7	2.4	0.2	–	0.1	0.2	**5.6**
Netherlands	41.4	33.4	8.3	0.6	†	3	**86.7**
Norway	10.6	4	0.7	–	29.2	0.5	**45.0**
Poland	24	15	56.1	–	0.6	4.2	**99.9**
Portugal	10.8	3.7	2.7	–	3.1	3.6	**23.9**
Romania	9	11.2	5.6	2.6	3.4	1.1	**32.9**
Russian Federation	153.1	372.1	93.5	39.1	41	0.1	**698.9**
Slovakia	3.5	4.9	3.1	3.6	1.2	0.3	**16.6**
Spain	59.3	26.1	10.3	12.8	8.3	16.8	**133.6**
Sweden	14.3	1	1.7	15.1	13.9	5	**51.0**
Switzerland	11.8	3.3	0.1	5.9	8.6	0.5	**30.2**
Turkey	33.1	41.1	33	–	13.4	2.2	**122.8**
Turkmenistan	6.3	20	–	–	†	–	**26.3**
Ukraine	12.2	40.5	42.6	18.8	3.1	0.3	**117.5**
United Kingdom	69.8	65.8	36.5	16	1.1	10.9	**200.1**

Cont...

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

(Average Unit Value, CIF)

Country	2007	2008	2009	2010	2011	2012	2013*
1	2	3	4	5	6	7	8
IEA**	69.33	97.19	60.40	78.13	107.61	109.15	105.84
IEA Europe	70.81	96.83	61.09	79.05	110.54	111.58	108.93
Australia	77.13	107.83	63.40	82.60	155.66	117.78	114.19
Austria	71.86	103.05	60.69	80.00	110.92	112.50	110.63
Belgium	70.35	96.01	61.77	79.65	110.50	110.83	108.45
Canada	70.04	101.41	60.29	79.14	110.80	110.61	108.6
France	72.22	97.63	61.64	79.78	111.78	112.01	109.56
Germany	71.60	96.70	61.18	78.49	110.63	112.21	109.62
Greece	69.93	93.60	60.10	78.97	109.41	111.92	107.61
Italy	70.20	96.67	60.69	79.29	110.23	112.18	109.98
Japan	70.09	100.98	61.29	79.43	109.30	114.75	110.61
Korea	70.01	98.11	61.12	78.72	108.63	113.24	108.59
Netherlands	68.74	97.89	60.54	78.55	109.19	111.54	108.55
New Zealand	73.84	105.80	65.85	80.62	112.38	117.70	113.43
Spain	68.66	94.86	59.78	77.84	108.50	109.48	106.77
Sweden	70.13	95.09	60.58	79.00	110.67	112.36	109.1
U.K	73.80	99.34	62.39	80.60	113.49	112.62	110.27
U.S.A	66.77	94.97	58.83	76.02	102.43	101.16	97.25

**: Computed across the countries of the region using importvolumes as current weights. Poland is included since Jan. 2008; the Slovac Republic is included since Jan. 2007; 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" 2nd Quarter of 2014.

XI.24 Spot Prices of Key OPEC Crude Oils

(US $/bbl)

Year/Month	Iran	Kuwait	Nigeria Bonny	Saudi Arabia		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*
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
2010						
January	75.62	75.69	77.39	76.46	75.60	76.69
March	77.70	76.29	80.40	77.24	75.87	77.31
June	73.13	72.30	76.00	73.84	71.19	73.99
September	76.82	72.92	79.65	74.55	71.88	75.13
December	90.60	87.25	93.08	89.59	86.11	89.17
2011						
January	94.90	91.45	98.10	93.59	90.26	92.33
March	111.44	107.66	116.75	110.37	105.80	108.71
June	110.45	106.65	117.27	109.37	104.34	107.77
September	108.47	105.16	115.63	107.72	103.18	106.31
December	107.06	107.06	110.71	107.96	106.61	106.43
2012						
January	109.8	112.00	113.08	112.82	111.73	109.86
March	122.8	122.32	127.98	123.43	121.84	122.47
June	93.35	93.32	97.19	94.51	92.67	94.44
September	112.24	110.02	114.06	111.32	109.76	111.22
December	107.61	106.19	111.19	108.35	104.79	106.34
2013						
January	110.38	108.31	115.41	110.64	106.54	107.94
February	114.68	111.79	118.69	113.95	110.15	111.25
March	108.52	105.17	110.57	107.61	103.16	105.55
April	101.27	100.07	105.17	101.97	98.50	101.68
May	100.98	99.82	105.83	101.06	98.98	100.3
June	101.73	100.22	106.12	101.30	99.64	100.32
July	105.54	103.22	110.21	105.03	101.78	103.52
August	109.17	106.47	113.62	108.09	105.33	106.81
September	110.47	108.02	114.30	109.48	106.72	108.28
October	108.19	106.13	112.44	107.14	105.04	106.7
November	106.52	104.73	111.47	104.84	104.90	105.95
December	108.98	107.30	113.11	108.07	106.77	107.8

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

(US$bbl)

Market/Product	2012					2013											
	Jan	Mar	June	Sept	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
NAPHTHA:																	
North Europeon Market, FOB Rotterdam	105.18	118.32	80.61	106.90	103.83	103.22	109.76	100.7	90.19	92.13	93.29	96.98	101.1	102.87	99.76	102.81	105.86
South Europeon Market, FOB Italy	127.73	144.28	98.22	130.38	126.41	100.01	106.55	97.68	87.46	89.61	91.01	94.51	98.53	100.74	97.78	100.56	102.81
US East Coast Market, spot cargos New York	115.69	127.14	99.86	124.84	116.67	na	na	na	na	na	na	na	na	na	na	na	na
Carribean Market,Cargoes	121.08	133.64	88.94	114.59	110.27	113.55	127.69	119.8	97.11	93.77	88.24	105.97	107.39	106.06	104.98	103.69	113.46
Singapore Cargoes	104.82	119.33	80.72	106.81	103.21	105.55	111.89	102.09	93.43	93.56	94.16	97.7	101.01	102.76	100.2	103.69	107.53
Middle East Gulf Market, FOB	102.73	115.92	79.27	103.84	99.77	102.51	107.36	97.85	90.49	91.39	92.45	96.21	99.05	100.62	98.21	101.39	104.63
GASOLINE																	
North Europeon Market, FOB, (regular unleaded)	115.91	137.82	110.72	133.41	127.74	124.95	133.87	122.54	116.92	120.23	119.78	124.48	126.26	122.5	119.49	118.89	120.87
North Europeon Market, FOB, (premium) 50ppm	119.56	141.01	114.57	137.67	120.03	121.16	130.68	120.98	116.61	116.33	116.4	121.89	124.28	119.3	114.49	112.43	115.53
South Europeon Market, FOB Italy(premium) 50ppm	134.52	155.92	128.86	154.44	131.52	121.16	130.68	120.98	116.61	116.33	116.40	121.89	124.28	119.30	114.49	112.43	115.53
US East Coast, NewYork (regular unleaded 87)	116.60	133.40	108.91	130.65	114.02	119.81	128.24	123.04	115.39	115.16	115.17	122.43	123.37	116.39	112.46	112.08	114.52
Singapore Cargoes(Premium Unl. 95)	123.99	136.64	104.46	125.97	118.85	122.77	132.98	124	113.95	114.4	117.85	121.73	117.11	117.31	114.36	114.89	118.66
Singapore Cargoes(Premium Unl. 92)	120.69	134.48	101.16	122.25	115.89	120.07	129.78	120.78	110.77	111.08	114.75	118.79	114.67	114.28	111.6	111.94	115.81
JET KERO																	
North Europeon Market, FOB Rotterdam	129.31	139.12	114.3	136.77	128.37	131.56	136.61	125.31	118.43	117.44	119.85	124.14	127.64	127.45	126.65	124.96	128.43
US East Coast, New York	131.82	136.34	113.95	135.87	127.66	133.98	136.47	125.29	117.97	115.1	117.45	123.3	127.33	125.27	123.13	122.42	128.73
Carribean Cargoes	142.68	150.67	113.93	135.20	125.49	131.81	136.72	125.96	119.14	116.04	117.88	123.23	127.83	124.38	122.88	119.92	125.53
Singapore Cargoes	126.70	136.18	110.29	132.57	124.75	128.09	133.77	123.5	116.2	115.37	116.75	121.18	124.73	123.87	123.08	122.63	126.68
Middle East Gulf Market, FOB	124.40	133.87	107.88	129.96	121.59	125.44	131.3	120.4	113.32	112.95	114.4	119.14	122.23	121.22	120.56	120.35	124.18
GAS OIL/Diesel																	
North Europeon Market, FOB Rotterdam	128.15	137.72	113.43	134.72	124.71	128.47	133.3	123.85	117.31	116.51	118.31	122.6	126.03	127.3	124.77	122.47	125.54
South Europeon Market, FOB Italy	133.70	144.14	117.72	139.88	129.88	129.18	133.96	122.98	116.12	115.82	117.7	122.76	125.75	126.39	125.15	123.29	126.27
US East Coast, New York	128.78	136.44	113.7	136.32	125.77	128.75	132.63	123.26	115.54	114.32	115.34	120.42	123.47	123.67	123	122.11	126.72
Carribean Cargoes	126.73	134.52	109.97	131.98	124.86	128.12	133.53	123.6	116.33	115.81	117.61	121.79	125.58	124.68	123.37	120.25	124.38
Singapore Cargoes	129.98	138.08	111.98	132.61	125.07	127.01	132.75	123.64	116.77	116.72	119.28	123.14	124.14	123.57	123.89	123.34	126.33
Middle East Gulf Market, FOB	125.92	133.72	107.14	127.75	120.02	124.21	130.14	120.35	113.72	114.16	116.79	120.98	121.49	120.76	121.21	120.92	123.67
FUEL OIL																	
North Europeon Market (1%s)	106.12	118.27	93.24	109.44	94.35	99.44	104.22	96.98	92.3	94.09	94.82	94.57	95.36	95.88	93.89	93.49	94.96
North Europeon Market (3.5%s)	105.87	111.72	88.76	102.07	91.16	96.75	99.85	95.4	92.19	92.26	91.87	94.55	94.95	93.88	92.58	90.63	91.72
South Europeon Market,(1%s) FOB italy	96.77	105.67	82.32	97.82	84.58	100.85	104.5	96.03	91.59	94.14	95.54	94.27	95.63	96.39	93.94	93.94	95.9
South Europeon Market,(3.5%s) FOB italy	89.97	94.92	75.2	86.67	77.22	95.97	98.87	94.69	90.74	90.75	91.9	93.85	94.35	94.09	92.18	91.29	90.93
US East Coast, New York (0.3%S)	49.19	54.65	42.35	49.84	109.95	119.94	132.23	114.95	107.52	105.59	102.46	101.13	105.26	107.03	111.27	120.32	121.67
US East Coast, New York (2.2%S)	43.33	47.9	36.78	45.78	92.46	98.58	102.34	97.15	93.67	93.12	92.17	92.62	94.14	95.06	93.9	91.83	93.28
Carribean Cargoes (2%s)	96.27	107.04	80.57	99.31	89.46	95.58	99.34	94.15	90.67	90.12	89.26	90.1	91.94	94.1	91.43	89.69	91.69
Carribean Cargoes (2.8%s)	94.62	105.26	79.17	97.06	87.80	92.82	96.5	91.25	87.48	86.64	84.81	85.1	86.94	89.1	86.43	84.69	86.69
Singapore Cargoes (380 Cst)	110.79	114.99	91.4	104.70	94.20	98.48	101.44	98.49	95.45	94.19	93.38	93.15	94.46	94.48	95.69	93.88	94.92
Singapore Cargoes (180 Cst)	111.16	115.14	91.87	105.32	96.74	99.53	102.05	99.53	96.42	95.87	96.81	95.23	97.82	96.3	96.88	96.32	97.02
Middle East Gulf Market, (180 Cst)	108.57	112.71	89.6	102.45	91.84	95.16	97.98	95.82	92.67	92.18	93.56	90.56	90.93	91.64	92.55	90.92	91.56

Source : OPEC Monthly Statistical Bulletin, 2014 (OPEC Bulletin 1/14)

XI.26 World Survey of Selected Petroleum Products Prices in 2013

Country	US $ Exchange Rate in National Currencies	Automotive Diesel Oil Non-commercial use (US$/Ltr)	Heavy/High Sulphur Fuel Oil (US$/tonne)	Light Fuel Oil	
				For Household Use (US$/1000Ltr)	For Industry Use
1	2	3	4	5	6
Australia	1.036	1.496	..	..	..
Austria	0.753	1.801	..	1257	987.7
Belgium	0.753	1.959	x	1119.9	925.5
Canada	1.03	..	718.7	1168.7	917.0
Chile	495.28	1.248	..	1272.8	..
Czech Repubic	19.56	1.847	c	1228.2	923.8
Denmark	5.618	2.016	..	2059.7	1197.3
Estonia	0.753	1.756	..	1322.8	1102.3
Finland	0.753	2.000	..	1466.1	1182.3
France	0.753	1.792	..	1231.2	984.7
Germany	0.753	1.897	..	1108.1	902.2
Greece	0.753	1.827	..	1684.2	1369.3
Hungry	223.6	1.904	..	x	..
Ireland	0.753	2.013	1105.1	1415.6	1150.6
Israel	3.609	..	c	..	c
Italy	0.753	2.203	..	1873.7	1545.3
Japan	97.6	1.385	..	1013.6	934.7
Korea	1095	1.580	823.9	1247.1	x
Luxembourg	0.753	1.617	x	1023.2	928.2
Mexico	12.77	0.919	548.4	x	691.5
Netherlands	0.753	1.886	x	..	..
New Zealand	1.22	1.206	676.2	..	760.5
Norway	5.877	2.239	x	1677.5	1342.0
Poland	3.16	1.732	670.1	1239.1	975.2
Portugal	0.753	1.843	x	1708.8	..
Slovak Republic	0.753	1.865	x	..	1098.4
Slovenia	0.753	1.831	x	1337.1	1105.1
Spain	0.753	1.803	..	1210.2	1000.2
Sweden	6.513	2.234	x	2046.8	1026.3
Switzerland	0.927	2.040	x	1083.7	944.8
Turkey	1.905	..	..	..	..
U.K	0.64	2.195	x	1090.9	1007.9
U.S.A	1	1.036	694	1048.4	783.7

.. : not available

x : not applicable c : confidential

Source : International Energy Agency's "Energy Prices and Taxes" 2nd Quarter of 2014.

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

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

Ports	2007	2008	2009	2010	2011	2012	2013	2014
1	2	3	4	5	6	7	8	9
Paris	200.10	333.80	142.80	226.11	337.38	341.81	314.42	303.58
Frankfurt	192.99	330.03	140.39	223.24	330.00	341.02	303.55	298.08
Nairobi	202.11	333.06	148.94	234.05	339.44	347.24	NA	NA
Kualalampur	185.56	303.74	132.36	213.35	319.36	330.97	293.61	290.47
Singapore	186.71	305.59	145.23	212.18	321.68	326.91	289.58	285.65
Abu Dhabi	193.47	316.21	146.42	228.97	334.64	343.83	307.63	300.99
Dubai	202.66	319.89	150.10	227.56	332.90	333.84	301.75	292.99
London	200.64	333.43	144.17	226.285	337.55	342.35	304.94	303.29
Kuwait	197.00	285.94	133.13	206.23	300.75	309.81	280.94	274.67
New York	206.49	320.68	147.75	219.92	324.55	356.19	303.13	304.34
Tokyo	195.39	314.16	143.21	221.71	327.36	346.63	314.95	303.54
Mumbai	241.57	384.85	163.92	252.83	374.67	392.82	323.15	316.85
Delhi	243.63	387.40	166.16	254.66	378.02	392.40	322.80	315.32
Madras	238.47	381.12	164.18	253.91	358.89	390.71	324.01	317.61

NA : Not available *: Average price.

Source : Air India

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

Country	2007		2008		2009		2010		2011		2012		2013*	
	NO.	DWT	NO.	DWT	NO.	DWT	NO.	DWT	NO.	DWT	NO.	DWT	NO	DWT
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*	*14*	*15*
Algeria	1	315.0	1	315.0	1	315.0	1	315.0	1	315.0	1	315.0	1	160
Angola	na	na							8	1186.0	30	4775.0	31	2363
Ecuador	na	na	8	269	8	269	8	269	10	579	14	957	18	1231
I.R.Iran	29	6202.0	42	9560.0	42	9560.0	47	10994.0	47	10994.0	47	10994.0	47	10994
Iraq	1	37.0	2	26.0	4	53.0	4	53.0	4	53.0	4	53.0	4	50
Kuwait	22	3241.0	21	3113.0	20	3110.0	16	2223.0	16	2223.0	21	3404.0	19	3547
S.P. Libyan,A.J.	8	627.0	8	627.0	8	627.0	8	627.0	5	548.0	5	548.0	5	548
Nigeria	2	409.0	2	409.0	2	409.0	2	409.0	2	409.0	2	409.0	2	409
Qatar	6	528.0	6	528.0	6	528.0	6	528.0	6	528.0	6	528.0	6	528
Saudi Arabia	41	10055.0	46	10483.0	40	8662.0	35	6993.0	32	5766.0	20	5051.0	23	6004
UAE	6	218.0	13	660.0	13	660.0	13	660.0	13	660.0	13	660.0	13	660
Venezuela	21	1348.0	16	1091.0	16	1091.0	16	1091.0	18	1348.0	19	1452.0	22	2066
Total OPEC	137	22980	165	27081	160	25284	156	24162	162	24609	182	29146	191	28560
Total World	**4418**	**375591**	**4825**	**398196**	**5713**	**481185**	**5147**	**444815**	**5406**	**462549**	**5188**	**485470**	4912	472169
OPEC %age		6%		7%		5%		5%		5%		6%		6%

Notes: Figures as at year-end. Totals may not add up due to independent rounding. Including crude oil, petroleum and chemical carriers.

na: not available DWT: Dead Weight Tonnage

Source :OPEC Annual Statistical Bulletin, 2014.

XI.29 Oil Trade Movements

Thousand barrels daily

To/From	2007	2008	2009	2010	2011	2012	2013	2013 share of total
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*
Imports								
US	13632	12872	11453	11689	11338	10587	9792	17.3%
Europe #	13953	13751	12486	12094	12208	12488	12637	22.4%
Japan	5032	4925	4263	4567	4494	4743	4530	8.0%
Rest of World	22937	23078	24132	25160	26570	27496	29516	52.3%
Total World	**55554**	**54626**	**52334**	**53510**	**54610**	**55314**	**56475**	**100.0%**
Exports								
US	1439	1967	1947	2154	2497	2680	3271	5.8%
Canada	2457	2498	2518	2599	2798	3056	3276	5.8%
Mexico	1975	1609	1449	1539	1487	1366	1335	2.4%
South & Central America	3570	3616	3748	3568	3764	3834	3710	6.6%
Europe	2273	2023	2034	1888	2053	2174	2400	4.2%
Former Soviet Union	8334	8184	7972	8544	8791	8597	9048	16.0%
Middle East	19680	20128	18409	18883	19753	19699	19603	34.7%
North Africa	3336	3260	2938	2871	1949	2604	2217	3.9%
West Africa	4830	4587	4364	4601	4654	4564	4462	7.9%
Asia Pacific	6004	5392	5631	6226	6217	6419	6680	11.8%
Rest of World *	1656	1363	1323	637	646	322	473	0.8%
Total World	**55554**	**54627**	**52333**	**53510**	**54609**	**55315**	**56475**	**100.0%**

* Includes unidentified trade.

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

Source: BP Statistical review of World Energy, June 2014

XI.30 World Primary Energy Consumption by Fuel* during 2013

Million tonnes oil equivalent

Country	Oil	Natural Gas	Coal	Nuclear Energy	Hydro electricity	Renew-ables	Total
1	2	3	4	5	6	7	8
US	831.0	671.0	455.7	187.9	61.5	58.6	**2265.7**
Canada	103.5	93.1	20.3	23.1	88.6	4.3	**332.9**
Mexico	89.7	74.5	12.4	2.7	6.2	2.5	**188.0**
Total North America	**1024.2**	**838.6**	**488.4**	**213.7**	**156.3**	**65.4**	**2786.6**
Argentina	29.4	43.2	0.7	1.4	9.2	0.7	**84.6**
Brazil	132.7	33.9	13.7	3.3	87.2	13.2	**284.0**
Chile	17.6	3.9	7.4	–	4.4	1.4	**34.7**
Colombia	13.9	9.6	4.3	–	10	0.1	**37.9**
Ecuador	11.6	0.5	–	–	2.5	0.1	**14.7**
Peru	10	5.9	0.8	–	4.8	0.2	**21.7**
Trinidad & Tobago	1.8	20.2	–	–	–	†	**22.0**
Venezuela	36.2	27.5	0.2	–	19	†	**82.9**
Other S. & Cent. America	58.4	7.1	2.1	–	20.9	2.5	**91.0**
Total S. & Cent. America	**311.6**	**151.8**	**29.2**	**4.7**	**158.1**	**18.3**	**673.7**
Austria	12.5	7.6	3.6	–	8.4	1.9	**34.0**
Azerbaijan	4.6	7.8	†	–	0.3	–	**12.7**
Belarus	8.7	16.5	0.1	–	†	0.1	**25.4**
Belgium	31	15.1	2.9	9.6	0.1	2.8	**61.5**
Bulgaria	4.1	2.4	5.9	3.2	0.9	0.6	**17.1**
Czech Republic	8.6	7.6	16.5	7	0.9	1.5	**42.1**
Denmark	7.8	3.4	3.2	–	†	3.7	**18.1**
Finland	8.9	2.6	3.7	5.4	2.9	2.7	**26.2**
France	80.3	38.6	12.2	95.9	15.5	5.9	**248.4**
Germany	112.1	75.3	81.3	22	4.6	29.7	**325.0**
Greece	14	3.2	7.1	–	1.5	1.4	**27.2**
Hungary	6	7.7	2.7	3.5	†	0.5	**20.4**
Republic of Ireland	6.7	4	1.3	–	0.1	1.1	**13.2**
Italy	61.8	57.8	14.6	–	11.6	13	**158.8**
Kazakhstan	13.8	10.3	36.1	–	1.8	†	**62.0**
Lithuania	2.7	2.4	0.2	–	0.1	0.2	**5.6**
Netherlands	41.4	33.4	8.3	0.6	†	3	**86.7**
Norway	10.6	4	0.7	–	29.2	0.5	**45.0**
Poland	24	15	56.1	–	0.6	4.2	**99.9**
Portugal	10.8	3.7	2.7	–	3.1	3.6	**23.9**
Romania	9	11.2	5.6	2.6	3.4	1.1	**32.9**
Russian Federation	153.1	372.1	93.5	39.1	41	0.1	**698.9**
Slovakia	3.5	4.9	3.1	3.6	1.2	0.3	**16.6**
Spain	59.3	26.1	10.3	12.8	8.3	16.8	**133.6**
Sweden	14.3	1	1.7	15.1	13.9	5	**51.0**
Switzerland	11.8	3.3	0.1	5.9	8.6	0.5	**30.2**
Turkey	33.1	41.1	33	–	13.4	2.2	**122.8**
Turkmenistan	6.3	20	–	–	†	–	**26.3**
Ukraine	12.2	40.5	42.6	18.8	3.1	0.3	**117.5**
United Kingdom	69.8	65.8	36.5	16	1.1	10.9	**200.1**

Cont...

XI.30 World Primary Energy Consumption by Fuel* during 2013

Million tonnes oil equivalent

Country	Oil	Natural Gas	Coal	Nuclear Energy	Hydro electricity	Renew-ables	Total
1	2	3	4	5	6	7	8
Uzbekistan	3.3	40.7	1.2	–	2.6	–	47.8
Other Europe & Eurasia	32.5	13.4	21.8	1.7	23	1.8	94.2
Total Europe & Eurasia	**878.6**	**958.3**	**508.7**	**263**	**201.3**	**115.5**	**2925.4**
Iran	92.9	146	0.7	0.9	3.4	0.1	244
Israel	10.6	6.2	7.3	–	†	0.1	24.2
Kuwait	21.8	16	–	–	–	–	37.8
Qatar	8.5	23.3	–	–	–	–	31.8
Saudi Arabia	135	92.7	–	–	–	–	227.7
United Arab Emirates	35.6	61.5	–	–	–	†	97.1
Other Middle East	80.5	39.9	0.2	–	2.3	†	122.9
Total Middle East	384.8	385.5	8.2	0.9	5.7	0.2	785.3
Algeria	17.5	29.1	–	–	†	0.1	46.7
Egypt	35.7	46.3	1.5	–	2.9	0.4	86.8
South Africa	27.2	3.5	88.2	3.1	0.3	0.1	122.4
Other Africa	90.5	32.1	5.9	–	22.5	1.2	152.2
Total Africa	**170.9**	**111**	**95.6**	**3.1**	**25.7**	**1.7**	408
Australia	47	16.1	45	–	4.5	3.4	116
Bangladesh	5.7	19.7	1	–	0.2	†	26.6
China	507.4	145.5	1925.3	25	206.3	42.9	2852.4
China Hong Kong SAR	17.7	2.4	7.8	–	–	†	27.9
India	175.2	46.3	324.3	7.5	29.8	11.7	594.8
Indonesia	73.8	34.6	54.4	–	3.5	2.3	168.6
Japan	208.9	105.2	128.6	3.3	18.6	9.4	474
Malaysia	31.2	30.6	17	–	2.1	0.3	81.2
New Zealand	7.1	4	1.5	–	5.2	2	19.8
Pakistan	22	34.7	4.4	1.1	7.4	†	69.6
Philippines	13.7	3	10.5	–	2.2	2.4	31.8
Singapore	65.9	9.5	–	–	–	0.3	75.7
South Korea	108.4	47.3	81.9	31.4	1.3	1	271.3
Taiwan	43.4	14.7	41	9.4	1.2	1.2	110.9
Thailand	50.4	47	16	–	1.3	1	115.7
Vietnam	17.4	8.8	15.9	–	12.2	†	54.3
Other Asia Pacific	19.6	6	22.1	–	12.8	0.1	60.6
Total Asia Pacific	1415	575.2	2696.5	77.8	308.7	78.2	5151.4
Total World	**4185.1**	**3020.4**	**3826.6**	**563.2**	**855.8**	**279.3**	12730.4

* In this Review, primary energy comprises commercially traded fuels including modern renewables used to generate electricity.

†: Less than 0.05

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

Source: BP Statistical review of World Energy, June 2014

XI.31 Per Capita Primary Energy Consumption-Some International Comparisons during 2013*

(Kg. oil equivalent)

Country	Oil	Natural Gas	Coal	Nuclear Energy	Hydro electricity	Renew-ables	2013 Total
1	2	3	4	5	6	7	8
US	2628.08	2122.07	1441.18	594.24	194.50	185.33	7165.40
Canada	2932.01	2637.39	575.07	654.39	2509.92	121.81	9430.59
Mexico	762.76	633.50	105.44	22.96	52.72	21.26	1598.64
Total North America	2183.33	1787.68	1041.14	455.55	333.19	139.42	5940.31
Argentina	711.86	1046.00	16.95	33.90	222.76	16.95	2048.43
Brazil	678.77	173.40	70.08	16.88	446.04	67.52	1452.69
Chile	1000.00	221.59	420.45	na	250.00	79.55	1971.59
Colombia	289.58	200.00	89.58	na	208.33	2.08	789.58
Ecuador	734.18	31.65	na	na	158.23	6.33	930.38
Peru	327.87	193.44	26.23	na	157.38	6.56	711.48
Trinidad & Tobago	1384.62	15538.46	na	na	na	na	16923.08
Venezuela	1218.86	925.93	6.73	na	639.73	na	2791.25
Other S. & Cent. America	537.26	65.32	19.32	na	192.27	23.00	837.17
Total S. & Cent. America	638.00	310.81	59.79	9.62	323.51	37.26	1378.99
Austria	1470.59	894.12	423.53	na	988.24	223.53	4000.00
Azerbaijan	489.36	829.79	na	na	31.91	na	1351.06
Belarus	915.79	1736.84	10.53	na	na	10.53	2673.68
Belgium	2767.86	1348.21	258.93	857.14	8.93	250.00	5491.07
Bulgaria	561.64	328.77	808.22	438.36	123.29	82.19	2342.47
Czech Republic	819.05	723.81	1571.43	666.67	85.71	142.86	4009.52
Denmark	1392.86	607.14	571.43	na	na	660.71	3232.14
Finland	1648.15	481.48	685.19	1000.00	537.04	500.00	4851.85
France	1256.65	604.07	190.92	1500.78	242.57	92.33	3887.32
Germany	1390.82	934.24	1008.68	272.95	57.07	368.49	4032.26
Greece	1261.26	288.29	639.64	na	135.14	126.13	2450.45
Hungary	606.06	777.78	272.73	353.54	na	50.51	2060.61
Republic of Ireland	1456.52	869.57	282.61	na	21.74	239.13	2869.57
Italy	1033.44	966.56	244.15	na	193.98	217.39	2655.52
Kazakhstan	811.76	605.88	2123.53	na	105.88	na	3647.06
Lithuania	900.00	800.00	66.67	na	33.33	66.67	1866.67
Netherlands	2464.29	1988.10	494.05	35.71	na	178.57	5160.71
Norway	2078.43	784.31	137.25	na	5725.49	98.04	8823.53
Poland	623.38	389.61	1457.14	na	15.58	109.09	2594.81
Portugal	1028.57	352.38	257.14	na	295.24	342.86	2276.19
Romania	422.54	525.82	262.91	122.07	159.62	51.64	1544.60
Russian Federation	1066.90	2593.03	651.57	272.47	285.71	0.70	4870.38
Slovakia	648.15	907.41	574.07	666.67	222.22	55.56	3074.07
Spain	1272.53	560.09	221.03	274.68	178.11	360.52	2866.95
Sweden	1489.58	104.17	177.08	1572.92	1447.92	520.83	5312.50
Switzerland	1456.79	407.41	12.35	728.40	1061.73	61.73	3728.40
Turkey	434.95	540.08	433.64	na	176.08	28.91	1613.67
Turkmenistan	1211.54	3846.15	na	na	na	na	5057.69
Ukraine	268.13	890.11	936.26	413.19	68.13	6.59	2582.42
United Kingdom	1088.92	1026.52	569.42	249.61	17.16	170.05	3121.68

cont...

XI.31 Per Capita Primary Energy Consumption-Some International Comparisons during 2013*

(Kg. oil equivalent)

Country	Oil	Natural Gas	Coal	Nuclear Energy	Hydro electricity	Renew-ables	2013 Total
1	2	3	4	5	6	7	8
Uzbekistan	109.27	1347.68	39.74	na	86.09	na	1582.78
Other Europe & Eurasia	568.18	234.27	381.12	29.72	402.10	31.47	1646.85
Total Europe & Eurasia	975.14	1063.82	564.48	291.68	223.31	128.08	3246.50
Iran	1214.38	1908.50	9.15	11.76	44.44	1.31	3189.54
Israel	1308.64	765.43	901.23	na	na	12.35	2987.65
Kuwait	6228.57	4571.43	na	na	na	na	10800.00
Qatar	3863.64	10590.91	na	na	na	na	14454.55
Saudi Arabia	4485.05	3079.73	na	na	na	na	7564.78
United Arab Emirates	3827.96	6612.90	na	na	na	na	10440.86
Other Middle East	765.21	379.28	1.90	na	21.86	na	1168.25
Total Middle East	1638.57	1641.55	34.91	3.83	24.27	0.85	3343.98
Algeria	456.92	759.79	na	na	na	2.61	1219.32
Egypt	421.49	546.64	17.71	na	34.24	4.72	1024.79
South Africa	513.21	66.04	1664.15	58.49	5.66	1.89	2309.43
Other Africa	97.94	34.74	6.39	na	24.35	1.30	164.72
Total Africa	155.36	100.91	86.91	2.82	23.36	1.64	371.00
Australia	2034.63	696.97	1948.05	na	194.81	147.19	5021.65
Bangladesh	36.40	125.80	6.39	na	1.28	v	169.86
China	373.80	107.19	1418.37	18.42	151.98	31.60	2101.37
China Hong Kong SAR	2458.33	333.33	1083.33	na	na	na	3875.00
India	137.25	36.27	254.05	5.88	23.35	9.17	465.96
Indonesia	296.98	139.24	218.91	na	14.08	9.26	678.47
Japan	1641.01	826.39	1010.21	25.92	146.11	73.84	3723.49
Malaysia	1046.98	1026.85	570.47	na	70.47	10.07	2724.83
New Zealand	1577.78	888.89	333.33	na	1155.56	444.44	4400.00
Pakistan	115.36	181.96	23.07	5.77	38.80	na	364.97
Philippines	142.41	31.19	109.15	na	22.87	24.95	330.56
Singapore	12203.70	1759.26	na	na	na	55.56	14018.52
South Korea	2159.36	942.23	1631.47	625.50	25.90	19.92	5404.38
Taiwan	1854.70	628.21	1752.14	401.71	51.28	51.28	4739.32
Thailand	761.33	709.97	241.69	na	19.64	15.11	1747.73
Vietnam	193.98	98.10	177.26	na	136.01	na	605.35
Other Asia Pacific	102.83	31.48	115.95	na	67.16	0.52	317.94
Total Asia Pacific	358.79	145.92	683.87	19.70	78.26	19.78	1306.32
Total World	586.41	423.29	536.20	78.87	119.87	39.09	1783.74

* In this Review, primary energy comprises commercially traded fuels including modern renewables used to generate electricity.

na: not available

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

Source: BP Statistical review of World Energy, June 2014

XI.32 Per Capita Consumption of Main Petroleum Products- Some International Comparisons During 2013

Kg. Oil/Per Capita

Country/Area	Light Distillates	Middle Distillates	Fuel Oil	Others	total
1	*2*	*3*	*4*	*5*	*6*
USA	1421.69	842.25	50	651	2965
Europe	240.12	607.36	78	224	1150
Middle East	404.69	562.54	445	389	1802
China	121.74	146.32	27	98	393
Japan	648.48	527.21	249	349	1774
OECD	674.74	653.56	94	384	1807

Note: Population 2013 data has been taken from "Population Reference Bureau".

Source : B.P Statistical Review of World Energy, June 2014.

XI.33 Trends in World Primary Energy Consumption

(Million Tonnes Oil Equivalent)

Year	Oil	Natural Gas	Coal	Nuclear Energy	Hydro electricity	Renewable	Total
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*
2007	4009.7	2647.3	3199.8	621.8	700.7	108.1	11287.4
2008	3994.8	2717.7	3256.3	619.0	727.6	123.2	11438.6
2009	3921.6	2655.7	3238.7	614.1	737.7	142.2	11310.0
2010	4038.2	2864.1	3464.0	626.4	782.1	168.6	11943.4
2011	4081.4	2914.2	3628.8	600.4	794.7	205.6	12274.6
2012	4138.9	2986.3	3723.7	559.9	833.6	240.8	12483.2
2013 (P)	4185.1	3020.4	3826.7	563.2	855.8	279.3	12730.5

(P) : Provisional

na: not available

Source : B.P Statistical Review of world Energy, June 2014

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

Million tonnes oil equivalent

Country	2007	2008	2009	2010	2011	2012	2013	2013 share of total
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*
US	2372.70	2319.83	2205.76	2281.20	2265.21	2208.83	2265.80	17.80%
Canada	327.48	326.07	311.74	315.61	328.61	328.84	332.90	2.61%
Mexico	167.76	170.81	171.67	173.94	180.50	187.75	188.00	1.48%
Total North America	**2867.94**	**2816.71**	**2689.17**	**2770.75**	**2774.33**	**2725.42**	**2786.70**	**21.89%**
Argentina	74.72	76.50	75.67	77.26	80.39	82.15	84.50	0.66%
Brazil	225.86	236.05	235.21	257.53	269.71	274.69	284.00	2.23%
Chile	30.75	30.40	30.64	29.87	33.31	35.54	34.60	0.27%
Colombia	29.47	30.41	31.88	33.34	35.91	36.50	38.00	0.30%
Ecuador	10.92	11.64	11.53	12.80	13.57	14.38	14.70	0.12%
Peru	14.86	16.19	16.61	18.88	20.58	22.28	21.80	0.17%
Trinidad & Tobago	21.40	21.01	21.67	22.77	22.40	21.17	22.00	0.17%
Venezuela	75.97	82.95	82.31	83.23	84.68	86.83	82.90	0.65%
Other S.&Cent. America	86.95	85.10	84.68	87.35	88.95	91.77	91.00	0.71%
Total S.&Cent. America	**570.90**	**590.25**	**590.20**	**623.02**	**649.51**	**665.31**	**673.50**	**5.29%**
Austria	34.21	34.83	34.15	35.18	31.99	33.10	34.00	0.27%
Azerbaijan	12.27	12.34	10.88	10.69	11.92	12.25	12.70	0.10%
Belarus	24.38	25.69	24.03	25.16	25.56	25.92	25.30	0.20%
Belgium	65.00	67.18	62.72	66.41	63.66	60.59	61.70	0.48%
Bulgaria	19.39	19.45	17.04	17.77	19.09	17.91	17.10	0.13%
Czech Republic	45.55	44.50	41.75	43.45	42.81	41.95	41.90	0.33%
Denmark	20.86	20.05	18.79	19.56	18.31	16.96	18.10	0.14%
Finland	29.39	28.69	26.75	28.91	26.91	26.44	26.10	0.21%
France	257.94	258.95	245.01	253.08	244.70	245.44	248.40	1.95%
Germany	324.55	326.80	307.75	322.42	307.46	311.74	325.00	2.55%
Greece	34.87	34.54	33.15	31.09	30.39	28.75	27.20	0.21%
Hungary	25.50	25.20	23.00	23.71	22.96	21.91	20.40	0.16%
Republic of Ireland	15.93	15.74	14.43	14.43	13.33	12.96	13.30	0.10%
Italy	181.80	180.37	168.10	173.23	169.57	162.49	158.80	1.25%
Kazakhstan	52.38	53.33	50.05	50.05	55.69	58.14	62.00	0.49%
Lithuania	8.63	8.55	7.84	5.90	6.11	5.98	5.70	•
Netherlands	95.65	93.59	92.27	96.48	91.86	89.06	86.80	0.68%
Norway	46.11	47.09	43.90	42.10	43.22	48.13	45.00	0.35%
Poland	95.70	96.19	92.11	99.51	99.80	97.64	99.90	0.78%
Portugal	25.36	23.81	24.22	25.38	24.06	22.66	23.80	0.19%
Romania	37.55	38.50	33.97	34.26	35.36	33.60	33.00	0.26%
Russian Federation	680.08	683.47	647.80	674.04	696.46	694.20	699.00	5.49%
Slovakia	17.20	17.68	16.03	17.03	16.51	16.93	16.60	0.13%
Spain	159.65	155.52	145.05	146.60	145.60	144.81	133.70	1.05%
Sweden	51.79	51.46	47.15	50.70	50.45	52.95	51.00	0.40%
Switzerland	28.65	29.68	29.69	29.01	27.46	29.04	30.20	0.24%
Turkey	103.07	102.65	102.84	110.38	118.11	119.17	122.80	0.96%
Turkmenistan	23.76	23.57	22.58	24.85	27.14	25.77	26.30	0.21%
Ukraine	135.40	131.94	112.25	120.89	125.56	125.26	117.50	0.92%
United Kingdom	218.30	219.81	207.75	213.75	200.52	203.57	200.00	1.57%
Uzbekistan	48.71	52.29	46.68	48.00	51.58	50.51	47.80	0.38%
Other Europe & Eurasia	89.53	91.07	88.12	93.94	92.42	92.70	94.30	0.74%
Total Europe & Eurasia	**3009.17**	**3014.56**	**2837.82**	**2947.96**	**2936.57**	**2928.51**	**2925.40**	**22.98%**

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

Million tonnes oil equivalent

Country	2007	2008	2009	2010	2011	2012	2013	2013 share of total
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*
Iran	195.70	202.15	214.27	221.47	227.00	234.16	243.90	1.9%
Israel	22.93	23.81	23.15	23.42	23.95	24.79	24.20	0.2%
Kuwait	28.75	30.43	31.48	34.75	35.68	36.42	37.80	0.3%
Qatar	22.62	23.45	24.06	24.86	27.54	31.56	31.80	0.2%
Saudi Arabia	165.04	179.15	186.40	202.43	207.47	222.19	227.70	1.8%
United Arab Emirates	72.45	82.90	81.27	84.75	88.09	89.26	97.10	0.8%
Other Middle East	91.56	103.23	107.68	116.35	117.67	123.48	122.90	1.0%
Total Middle East	**599.05**	**645.11**	**668.32**	**708.02**	**727.40**	**761.86**	**785.40**	**6.2%**
Algeria	35.39	37.48	39.65	38.56	40.72	44.63	46.60	0.4%
Egypt	69.91	74.06	76.94	81.20	82.70	87.09	86.80	0.7%
South Africa	122.91	128.49	124.03	123.08	122.20	123.80	122.40	1.0%
Other Africa	126.28	133.11	131.29	142.85	138.37	147.78	152.30	1.2%
Total Africa	**354.48**	**373.15**	**371.90**	**385.68**	**383.98**	**403.31**	**408.10**	**3.2%**
Australia	125.37	125.19	124.27	123.22	126.48	125.70	116.00	0.9%
Bangladesh	19.28	20.40	21.42	23.10	24.43	26.34	26.70	0.21%
China	1878.74	1969.86	2101.51	2337.98	2540.77	2735.16	2852.40	22.41%
China Hong Kong SAR	26.15	24.46	26.96	27.74	28.57	28.07	27.90	0.22%
India	420.12	446.51	484.14	511.60	534.82	563.49	595.00	4.67%
Indonesia	129.44	123.30	133.56	148.73	158.58	159.38	168.70	1.33%
Japan	526.73	520.67	477.93	506.72	481.09	478.18	474.00	3.72%
Malaysia	69.64	70.96	70.61	76.11	74.89	76.31	81.10	0.64%
New Zealand	19.03	19.11	19.12	19.71	19.49	19.65	19.80	0.16%
Pakistan	65.23	64.90	67.02	67.95	68.14	69.30	69.60	0.55%
Philippines	27.26	27.09	27.52	27.87	28.79	30.22	31.80	0.25%
Singapore	58.53	61.34	64.80	70.77	73.94	73.96	75.70	0.59%
South Korea	231.90	236.43	237.39	254.64	267.82	271.14	271.30	2.13%
Taiwan	112.89	106.83	104.38	110.60	109.78	109.41	110.90	0.87%
Thailand	92.65	95.47	99.34	104.96	111.14	117.60	115.60	0.91%
Vietnam	34.89	36.74	42.12	43.73	48.42	52.01	54.40	0.43%
Other Asia Pacific	48.08	49.68	50.32	52.48	56.05	56.31	60.70	0.48%
Total Asia Pacific	**3885.91**	**3998.95**	**4152.42**	**4507.92**	**4753.18**	**4992.23**	**5151.60**	**40.47%**
Total World	**11287.46**	**11438.73**	**11309.82**	**11943.37**	**12224.97**	**12476.63**	**12730.70**	**100%**

* In this Review, primary energy comprises commercially traded fuels including modern renewables used to generate electricity.

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

Source: BP Statistical Review of World Energy, June 2014.

XI. 35 Economic Indicators of OPEC Nations During 2013

Country	Population 2013 (Million)	GDP at market prices 2013 (Mn. $)	Per capita GDP 2013 (US $)	Petroleum Exports 2013 (Mn. $)	Total Exports 2013 (Mn. $)	Petroleum Exports as % of total Exports	Proven crude oil reserves 2013 (Bn.bbls)	Gas Reserves 2013 (Bn. CM)	Producing Oil wells 2013 Nos.	Crude 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	38.30	223857	5845	44458	65644	68%	12.2	4504	2061	650.8	453
Angola	19.18	120509	6282	67829	68191	99%	9.011	275	1554	39	33
Ecuador	15.78	93577	5932	14103	25700	55%	8.832	6	3414	190.8	20
Iran	77.10	366259	4751	61923	98807	63%	157.8	34020	2204	1715.00	394
Iraq	35.10	229327	6534	89402	89765	100%	144.211	3158	1735	830	65
Kuwait	3.96	184031	46531	108482	115015	94%	101.5	1784	1794	936	805
Libya	6.30	73755	11711	40163	40723	99%	48.363	1506	1308	936	76
Nigeria	172.29	515787	2994	89314	95118	94%	37.07	5111	1951	445	23
Qatar	2.01	202172	100834	62519	136840	46%	25.244	24681	511	137	511
Saudi Arab	29.99	745273	24847	321723	377013	85%	265.789	8317	3372	2507.00	794
U.A.E	8.46	396235	46831	126307	379490	33%	97.8	6091	1722	2507.00	792
Venezuela	29.99	373978	12472	85861	89175	96%	298.35	5581	14809	1855.00	491
Total	**438**	**3524760**	**275564**	**1112084**	**1581481**	**70%**	**1206.17**	**95034**	**36435**	**12749**	**4457.0**

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

Source : OPEC Annual Statistical Bulletin, 2014.

Appendix

Abbreviations

(I) Companies/Organisations

AOC	:	Assam Oil Company
AOD	:	Assam Oil Division
BPCL	:	Bharat Petroleum Corporation Limited
BRPL	:	Bongaigaon Refinery & Petrochemicals Limited
B/Shell	:	Burmah Shell Oil Storage & Distributing Co. Ltd.
BSR	:	Burmah Shell Refineries Ltd.
Caltex/CIL	:	Caltex (India) Limited.
CORIL	:	Caltex Oil Refining (India) Limited.
KRL	:	Kochi Refineries Limited
EIL	:	Engineers India Limited.
ESSO	:	ESSO Standard Eastern Inc.
ESRC	:	ESSO Standard Refining Company of India Limited.
GAIL	:	GAIL (India) Ltd.
HPCL	:	Hindustan Petroleum Corporation Limited.
IBP Co. Ltd.	:	IBP Co. Limited.
CASTROL	:	Castrol Lubricants & Specialities Limited.
IIP	:	Indian Institute of Petroleum.
IPE	:	Institute of Petroleum Exploration.
IOBL	:	Indian Oil Blending Limited
IOC	:	Indian Oil Corporation Limited.
Lubrizol	:	Lubrizol India Limited.
CPCL	:	Chennai Petroleum Corporation Limited.
POCL	:	Petrosil Oil Company Limited.
OIL	:	Oil India Limited.
ONGC	:	Oil & Natural Gas Commission/Corporation Ltd.
ONGCVL	:	ONGC Videsh Limited
OPEC	:	Organisation of Petroleum Exporting Countries.
TWOC	:	Tide Water Oil Company.
WIODC	:	Western India Oil Distributing Company Limited.
OECD	:	Organisation for Economic Co-operation & Development.
NCW	:	Non Communist World.
EME	:	Emerging Market Economies.

(II) Petroleum Products

ATF	:	Aviation Turbine Fuel.
AVGAS	:	Aviation Gasoline/Spirit.
CBFS	:	Carbon Black Feed Stock.
HHS	:	Hot Heavy Stock.
HSDO	:	High Speed Diesel Oil.
JBO	:	Jute Batching Oil.
LDO	:	Light Diesel Oil.
LSHS	:	Low Sulphur Heavy Stock.
LPG	:	Liquified Petroleum Gas.
MS/Mogas	:	Motor Spirit/Motor Gasoline.
FO	:	Furnace Oil.
MTO	:	Mineral Turpentine Oil.
Pet-coke	:	Petroleum Coke.
SBP-Spirit	:	Special Boiling Point Spirit.
SKO	:	Superior Kerosene Oil.
TDO	:	Tea Drier Oil.
NGL	:	Natural Gas Liquid.

Light Distillates(including Gases): Gasolines, Naphtha, SBP Spirit, Solvent Oils, Hexane, Benzene, Toluene, LPG Refinery Gas and W.D. Mixtures.

Middle Distillates: Kerosene, ATF/Jet-A1, Vaporising Oil, Aromex/Iomex, HSDO, LDO/MLO and JBO, Mineral Turpentine Oils, Chemisperse & LABFS.

(III) Prefixes Used in Metric Tables

Prefix	:	Meaning
Milli	:	One Thousandth (1/1000=0.001)
Centi	:	One Hundredth (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 dwt)
LV	:	Low Viscosity.
HV	:	High Viscosity
HVI	:	High Viscosity Index
KL	:	Kilolitre
LR I	:	Large Range I (45,000-79,999 dwt).
LR II	:	Large Range I I (80,000-159,999 dwt).
LVI	:	Medium Range (25,000-49,999 dwt).
MT	:	Metric Ton.
MTPA	:	Million Tonnes Per Annum.
MV	:	Medium Viscosity.
MVI	:	Medium Viscosity Index.
R&D	:	Research & Development.
ULCC	:	Ultra Large Crude Carrier (320,000-549,999 dwt).
VLCC	:	Very Large Crude Carrier (160,000 dwt and more).
NA	:	Not available.
-	:	Nil
Neg	:	Negligible
Billion	:	10^9 or one thousand Million.
Trillion	:	10^{12} or one million 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 Centimetre.
10 Centimetres	-	1 Decimetre
10 Decimetres	-	1 Metre
10 Metres	-	1 Decametre
10 Decametres	-	1 Hectometre
10 Hectometres	-	1 Kilometre

Area

100 Sq. Millimetres	-	1 Sq. Centimetre
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 Hectares	-	1 Sq. Kilometre.

Weight

10 Milligrams	-	1 Centigram
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 Centilitres	-	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
1 Mile	-	1760 Yard
	-	1.60934 Kilometre (km.)
1 International	-	6076.12 Feet
Nautical Mile	-	1.852 Kilometres (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 Tonne (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 Tons.
	-	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
	-	1 Thermie
1 Kilowatt Hour	-	3412.14 British Thermal Units
	-	859.845 Kilo Calories
	-	3.6 Megajoules (MJ)
	-	1.34102 Horse Power Hours.
1 Therm	-	100,000 British Thermal Units (BTU).
	-	105.506 Megajoules (MJ)
	-	29.3071 Kilowatt Hours
	-	25.1996 Thermies
	-	25200 Kilocalories
1Metric Horsepower	-	735.499 watts (W).
(Pferdestaerke or 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 Horsespower
	-	1.34102 Imperial Horsepower.
	-	1000 Watts.
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 Americal 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 Americal Barrels.
1 Gross Ton (Shipping)	-	2.83168 Cubic Metres or 100 Cubic Feet
	-	or Permanently Enclosed Space.
1 Ton of Liquified Methane	-	Approx. 16 Barrels.
	-	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
Liquified 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 15^0 C to 29.5^0 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	0.78- 0.84	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 Standarad 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 1,000 kwh)		0.123	

Note: *= The average calorific value of gas is measured in Kcal/m3 (st.) i.e. in Kcal per cubic metre of gas under standard conditions of 15° C, 013.25 mbar, dry.

Coal Replacement and Equivalents of different Fuels

Fuels	Original Unit	Unit million tonnes of coal equivalent (mtce)	Unit million tonnes of coal replacement (mtcr)
1	*2*	*3*	*4*
Coal coking (6640 K cal/Kg),	1mt	1.0	1.0
Non-coking coal used in steam			
Generation (5000 Kcal/kg.)			
Hard Coke	1mt	1.3	1.3
Soft Coke.	1mt	1.5	1.3
Firewood (4750 Kcal/Kg.)	1mt	0.95	0.95
Char Coal (6900 Kcal/Kg.)	1mt	1.0	1.0
	Oil Products: 10,000 Kcal/Kg.		
Black Products:(Fuel Oil, FO.			
Refinery,Fuel,LSHS&HHS)	1mt	2.0	2.0
Kerosene & LPG	1mt	2.0	8.0
HSDO & LDO	1mt	2.0	9.0
Motor Spirit & Jet Fuel	1mt	2.0	7.5
Natural Gas(9000k CAL/kg)	$109m^3$	1.8	3.6
Electricity	109 kwh	1.0	1.0

Note: m : Million mt: Million Tonnes
mtce : Million Tonnes of Coal Equivalent
mtcr : Million Tonnes of Coal Replacement

Source : Fuel Policy Committee 1974

Approximate Calorific Equivalents (Oil = 10,000 K Cal/Kg.)

Items		Million Tonnes of Oil equals
1 Heat Units	=	40 million BTU
	=	397 million therms
	=	10,000 teracalories
2 Solid Fuels	=	1.5 million tonnes of Coal
	=	3.0 million tonnes of lignite
3 Natural Gas	=	(1 Cub metre = 9000 K cal).
(1 cub.ft.=1000 BTU)	=	1.111 thousand million cub metres
	=	39.2 thousand million cubic feet
	=	107 million cubic feet per day of a year
4 Electricity		
(1 Kwh=3412 BTU)	=	12 thousand million KWH
(1 Kwh=860 KCal)		

Heat Units and others expressed in terms of Million Tonnes of Oil

Items	Million Tonnes of Oil equals
1 Heat Units	
10 million million BTU	0.25
100 million therms	0.25
10,000 teracalories	1
2 Solid Fuels	
1 million tonnes of coal	0.67
1 million tonnes of lignite	0.33
approximates to	
3 Natural Gas	
1 thousand million cub, metres(BCM)	0.9
4 Town Gas	
1 thousand million cub. Metres (BCM)	0.42
5 Electricity	
12 thousand million KWH	0.86

Note: One million tonnes of oil produces about 4000 million units (KWH) of electricity in a modern power station.

Source:BP Statistical Review of World Energy.

Exchange Rates

(Rs. / 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*
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
2010	45.93	45.63	46.49	44.86	45.74	2010-11	45.58
2011	45.27	44.71	45.78	50.93	46.67	2011-12	47.92
2012	50.31	54.22	55.24	54.14	53.48	2012-13	54.41
2013	54.17	56.50	62.13	62.03	58.71	2013-14	60.50

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

