

INDIAN PETROLEUM & NATURAL GAS STATISTICS

2012-13

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

Government of India
Ministry of Petroleum & Natural Gas

Foreword

The Ministry of Petroleum & Natural Gas has been publishing its annual bulletin "***Indian Petroleum & Natural Gas Statistics***" since 1967 containing comprehensive information on the Oil & Gas Sector. The bulletin provides information in terms of both calendar year and financial year, to address the demands of the diverse users. It also includes a brief write-up on production performance of Petroleum & Natural Gas Sector during 2012-13. The bulletin is testimony to the concerted sustained efforts of the Economic Division of the Ministry to bring out a quality publication.

2. We hope the bulletin will prove useful and welcome suggestions for improvement.

(Vivek Rae)
Secretary to the Government of India

Shastri Bhawan
New Delhi-110001
12th December, 2013

Government of India
Ministry of Petroleum & Natural Gas
Economic Division

Preface

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

2. We express our deep sense of gratitude to all the data providers to the Ministry and record our appreciation for the efforts put in by the officials of the Economic Division viz., Shri Sukhvir Singh, Director, Shri S.S Chahal, Senior Statistical officer, Shri Shyam Lal, Junior Statistical Officer.

3. Suggestions for improvement would be appreciated.

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GENERAL

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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 despatches 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 despatches 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 utilisation 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 during 2012-13

Introduction

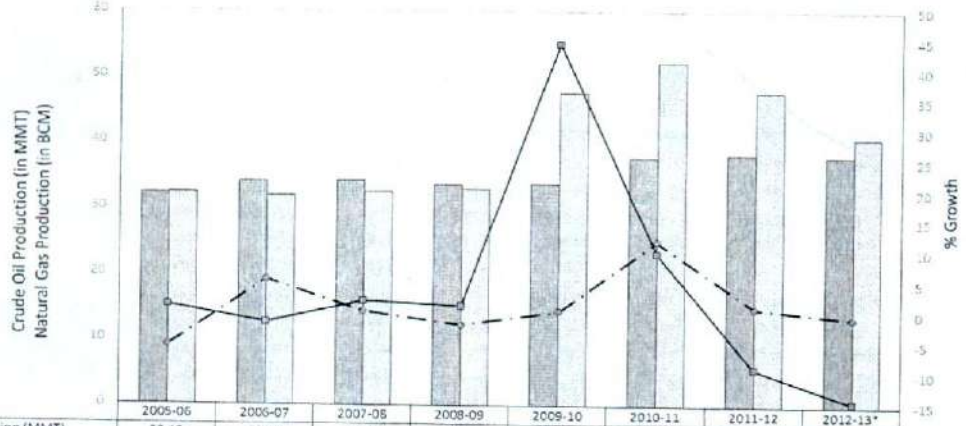
The Indian economy is at a critical stage of development. During 2012-13, the growth rate of Gross Domestic Product (GDP) at current prices is estimated to have increased by 5%, with Industry at 2.1%, Services at 7.1% and Agriculture at 1.9%. There has been an overall slow down since 2010-11 when GDP increased by 9.3% and declined to 6.2% in 2011-12. As against the overall trend in growth of the Indian economy, the energy requirement continued to increase during this phase. Given the limited domestic availability of oil and gas, the country is compelled to import over 75% of its domestic requirement.

The Ministry of Petroleum & Natural Gas has taken several measures for enhancing exploration and exploitation of petroleum resources, apart from developing the distribution and marketing of petroleum products. The status of production of crude oil and natural gas as well as production, trade and consumption of petroleum products has been briefly discussed in the following paragraphs. The detailed trends in the sector are elaborated in the respective tables across different Sections.

2. Crude Oil and Natural Gas Production

The trend in production of crude oil and natural gas during the period 2004-05 to 2012-13 is in Figure-1. The crude oil production has remained in the range 32 to 38 MMT during this period with year to year variations. Crude oil production slightly low in 2012-13 as it was 37.862 MMT, which is about 0.60% lower than the production of 38.090 MMT during 2011-12. Natural gas production has increased from 32.202 BCM in 2005-06 to 40.679 BCM in 2012-13. However, there was a decrease in production of natural gas in 2012-13 by 14.47% over the previous. This is primarily due to increasing water cut trend, less base potential of major fields affected production, 6 well in D1, D3 and 2 wells in MA have ceased to flow due to water/sand ingress, water and sand ingress problem in wells, underperformance of newly drilled wells and some constraints were overcome. However, it is expected that higher production will be during 2013-14.

Figure-1: Crude Oil and Natural Gas Production



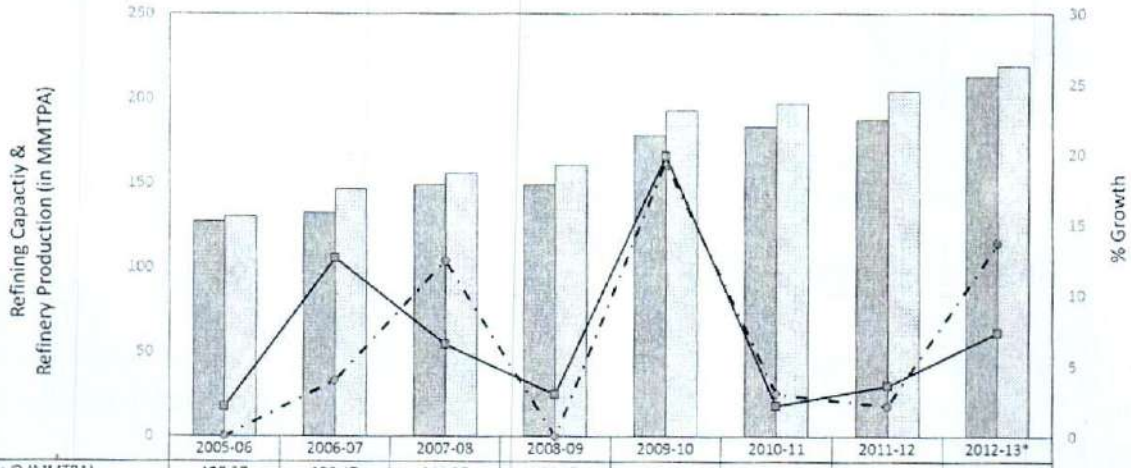
	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13*
Crude Oil Production (MMT)	32.19	33.99	34.12	33.51	33.69	37.68	38.09	37.86
Natural Gas Production (BCM)	32.20	31.75	32.42	32.85	47.50	52.22	47.56	40.68
% Growth of Crude Oil Production	-5.27	5.59	0.38	-1.79	0.55	11.86	1.08	-0.60
% Growth of Natural Gas Production	1.38	-1.41	2.11	1.32	44.60	9.94	-8.92	-14.47

3. Refining Capacity & Production

There has been considerable increase in refining capacity in the country over the years as may be seen in Figure-2. There was an increase in domestic refining capacity by over 13.70% to reach 213.066 Metric Million Tonne Per Annum (MMTPA) as on 01.04.2012 as compared to 187.386 MMTPA as on 01.04.2011. The refining capacity is 215.066 as on 01.04.2013 MMTPA. By the end of XII Plan, refinery capacity is expected to reach 307.366 MMTPA.

The Refinery production (crude throughput) achievement was 219.212 MMT during 2012-13 which marks net increase of 7.39% over 2011-12 (204.121 MMT) as depicted in **Figure-2**.

Figure-2: Refining Capacity & Production



	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13*
Refining Capacity @ (MMTPA)	127.37	132.47	148.97	148.97	177.97	183.39	187.39	213.07
Refinery Production (Crude Throughput) (MMTPA)	130.11	146.55	156.10	160.77	192.77	196.99	204.12	219.21
% Growth in Refining Capacity	0.00	4.00	12.46	0.00	19.47	3.04	2.18	13.70
% Growth in Refinery Production	2.11	12.64	6.52	2.99	19.90	2.19	3.62	7.39

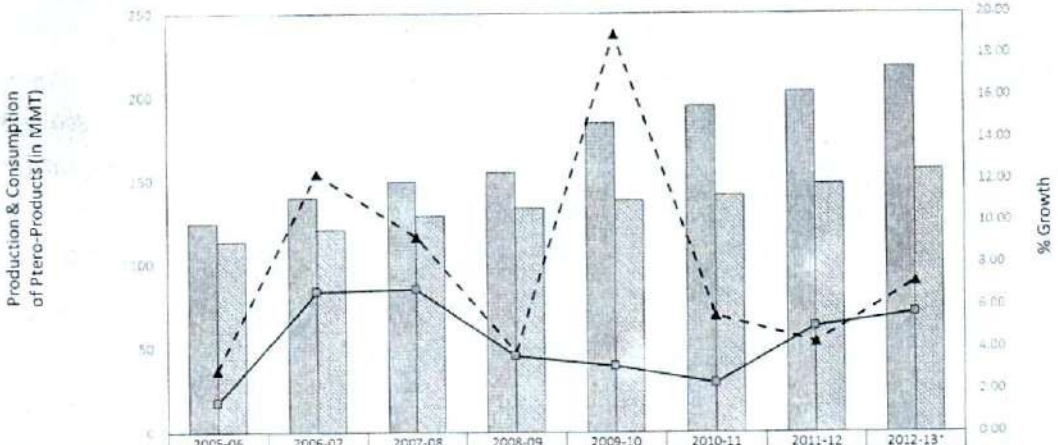
@= As on 1st April of the year. Note: excluding other input from refineries.

4. Production and Consumption of Petroleum Products

There was an increase by 7.15% in production of total petroleum products, including fractioners, during 2012-13 compared to the year 2011-12. At the same time, the indigenous consumption of petroleum products increased by 4.92 % during 2012-13 compared to the previous year.

During the year 2012-13, consumption of petroleum products was 156.528 MMT against total production of 217.736 MMT. Consumption of Petroleum Coke increased by 62.1%, MS by 5%, Naphtha by 10.0% and HSD by 6.8% during 2012-13, where as the consumption of Kerosene declined by 8.8%, ATF by 4.80%, LDO by 3.8%, FO by 16.3% and LSHS/RFO by 22.3%.. Year-wise production and consumption of petroleum products during 2005-06 to 2012-13 are depicted in **Figure-3** below.

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



	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13*
Production of Petro-Products (MMT)	124.41	139.75	149.47	155.15	184.61	194.82	203.20	217.74
Consumption of Petro-Products 9MMT)	113.21	120.75	128.95	133.60	137.61	141.04	148.13	156.53
% Growth in Production	2.87	12.33	9.30	3.80	18.99	5.53	4.30	7.15
% Growth in Consumption	1.41	6.66	6.79	3.61	3.15	2.35	5.03	5.67

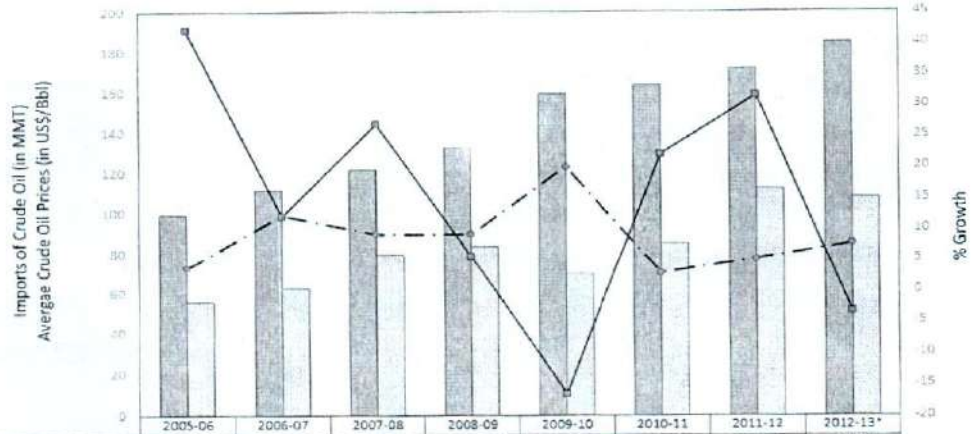
Notes: 1. Production of petroleum products includes production of petroleum products from Fractionators.
2. Consumption of Petroleum Products excludes refinery fuels and includes imports also.

5. Imports and prices of Crude Oil:

Imports of Crude Oil during 2012-13, in terms of quantity was 184.795 MMT valued at Rs.7,84,652 crore. This marked an increase by 7.61% in quantity terms w.r.t. 171.729 MMT during the year 2011-12, but increased by 16.73% (w.r.t.Rs.6,72,220 crore) in Rs. value terms over the year of 2011-12. In terms of US$, the extent of increase in value of crude oil imports was 3.30%.

The average price of International crude oil (Indian Basket) was US$107.97/bbl. in 2012-13 as compared to US$ 111.89/bbl. in 2011-12. However, during the period the rupee depreciated by about 12.50% against US$ which alsoexplain the increase India's import bill in Rupee terms. The trend in crude oil imports and crude oil International (Indian Basket) prices are depicted in **Figure-4.**

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



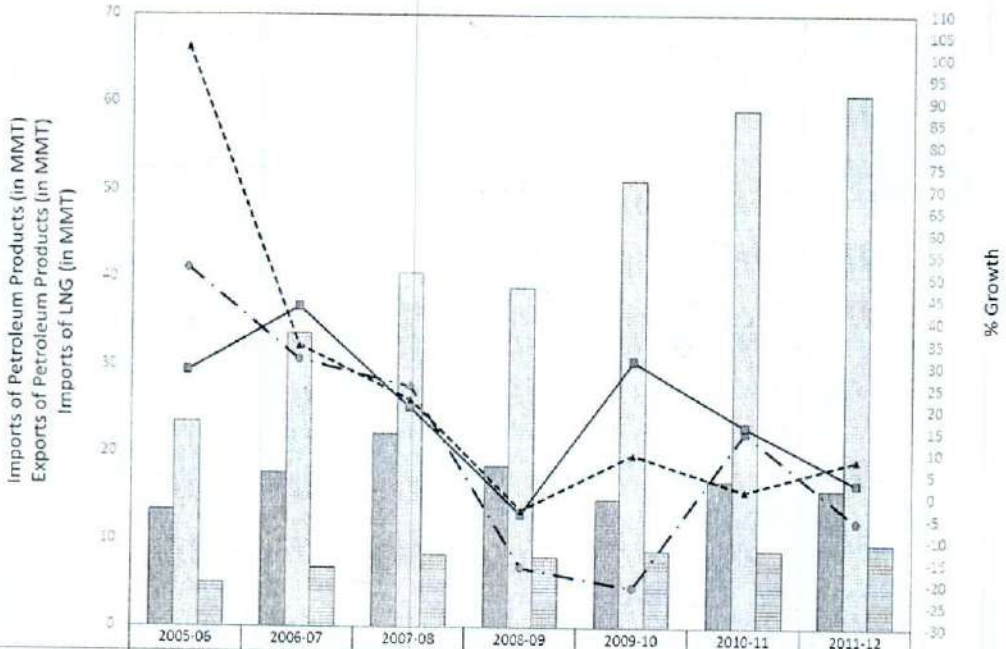
	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13*
Imports of Crude Oil (MMT)	99.41	111.50	121.67	132.78	159.26	163.60	171.73	184.80
Average Crude oil Prices (US$/bbl.)	55.72	62.46	79.25	83.57	69.76	85.09	111.89	107.97
% Growth in Imports of Crude Oil Production	3.70	12.16	9.12	9.13	19.95	2.72	4.97	7.61
% Growth in Crude Oil Prices	42.11	12.10	26.88	5.45	-16.53	21.98	31.50	-3.50

6. Imports & Exports of Petroleum Products:

It may be seen that despite considerable variations in International prices of crude oil, imports have followed a steady growth primarily to meet domestic demand of a burgeoning economy, apart from re-exports of petroleum products. With substantial increase in refining capacity in India, as seen earlier, exports of petroleum products have picked since 2005-06 although the slowdown in global economy has affected the exports in recent years.

Exports of petroleum products during 2012-13, was 63.408 MMT valued at Rs.3,20,090 crore & US$ 58848 Million, which marked an increase of 4.23% in quantity but increased in value by 12.45% in terms of Indian Rupees and 0.79% in US Dollar terms. Imports of petroleum products during 2012-13, was 15.774 MMT valued at Rs.68,363 crore & US$ 12,506 Million, which marked a decrease 0.47 % in quantity but increased by 0.40% in value terms in Indian Rupees lower by 11.86% in Dollar terms. Imports of petroleum products are relatively limited to supplement domestic refinery production as and when required. (**Figure-5**).

Figure-5: Imports & Exports of Petroleum Products



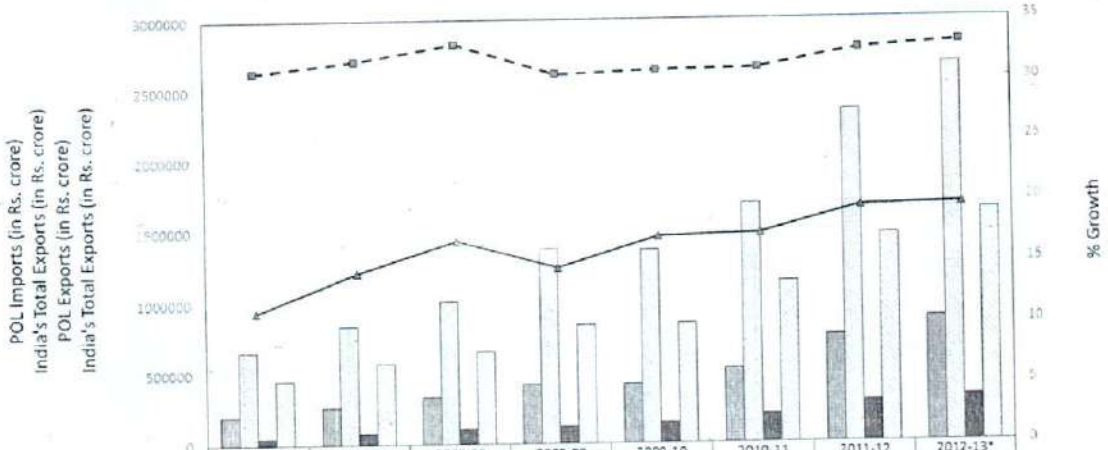
	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
Imports of Petroleum Products (MMT)	13.44	17.66	22.12	18.52	14.67	16.82	15.85
Exports of Petroleum Products (MMT)	23.46	33.62	40.50	38.90	50.97	59.08	60.84
Imports of LNG (MMT)	5.06	6.81	8.32	8.06	8.828	8.949	9.703
% Growth in Imports of Petroleum Products	52.24	31.40	25.25	-16.25	-20.83	14.66	-5.75
% Growth in Exports of Petroleum Products	28.83	43.32	20.44	-3.94	31.03	15.90	2.98
% Growth in Imports of LNG	102.4	34.58	22.17	-3.13	9.53	1.37	8.43

It may be seen from Figure-5 that Liquid Natural Gas (LNG) imports during last 4 years ranged between 8 to 9 MMT. During 2012-13, LNG import in terms of quantity was 9.534 MMT valued at Rs.28,215 crore, which marked a decrease by 1.74 % in quantity but increased by 38.49% in value terms in Indian Rupees over.

During the year 2012-13, India's total imports value was Rs.2673113 crore out of which imports of crude oil and petroleum products was Rs.881230 crore which is about 33% of the total imports. However, petroleum sector also contributed substantially to India's exports i.e about 20% of total exports.

Year-wise India's POL Imports/Export as a proportion to overall Import/Export during 2005-06 to 2012-13 are depicted in Figure-6 below:

Figure-6: India's POL Imports as a proportion to overall Import



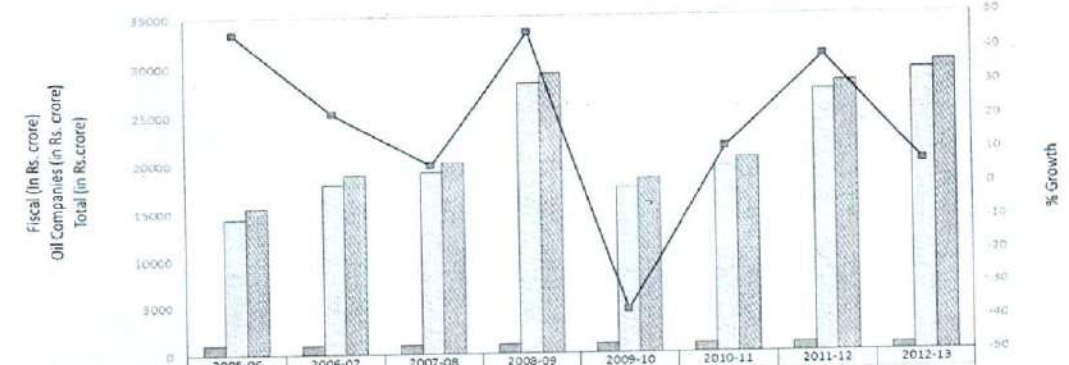
	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13*
POL Imports #	203039	265839	333978	418697	419374	520101	760684	881230
India's Total Imports	660409	840506	1012312	1374436	1363736	1683467	2345463	2673113
POL Exports	49974	81094	109949	122064	144037	196861	284643	320090
India's Total Exports	456418	571779	655864	840755	845534	1142922	1465959	1635261
% of POL Imports to Total Imports	30.74	31.63	32.99	30.45	30.75	30.89	32.43	32.97
% of POL Exports to Total Exports	10.95	14.18	16.76	14.52	17.04	17.22	19.42	19.57

#: Includes crude oil, Petroleum Products and LNG

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

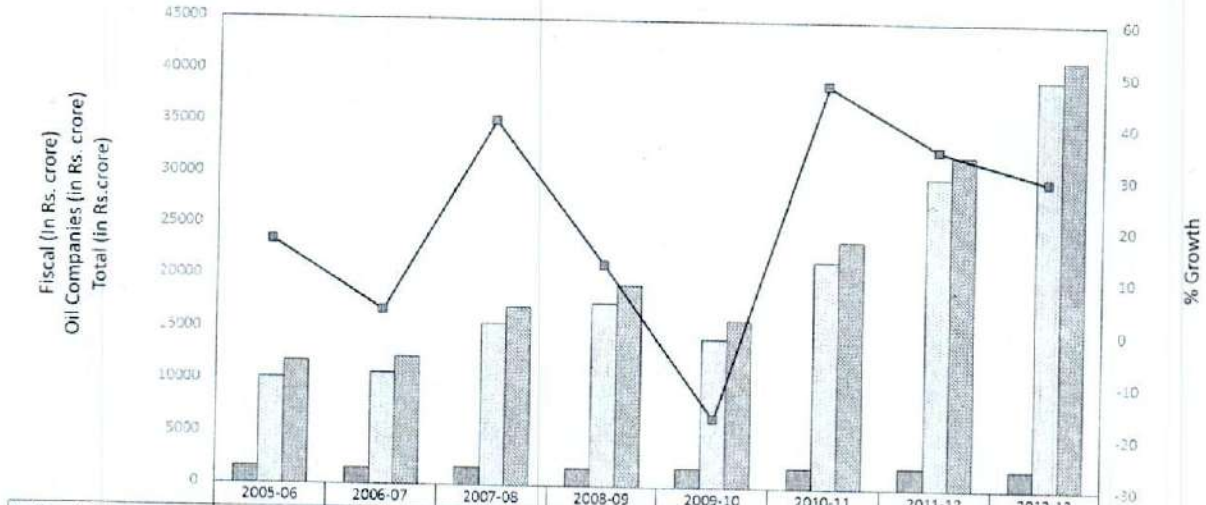
In order to provide cooking and lightning fuels to consumers at reasonable rates to vulnerable of the society, the Government confined provide subsidy on domestic LPG and PDS kerosene. The total subsidy during 2012-13 provided by Government of India & Oil companies on SKO and LPG were Rs.30,151 & Rs.41,547 crore respectively and these marked increase by 6.86% & 29.29% against subsidies of Rs.28,215 & Rs.32,134 crore respectively during 2011-12. The trends in growth of subsidies of both SKO & LPG are depicted in Figure-7 and Figure-8 respectively.

Figure-7: Subsidies on SKO (PDS)



	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
Fiscal (Rs. crore)	1057	970	975	974	956	931	863	741
Oil Companies (Rs. crore)	14384	17883	19102	28225	17364	19485	27352	29410
Total (Rs. crore)	15441	18853	20080	29199	18320	20416	28215	30151
% Growth	45.3	22.1	6.51	45.41	-37.26	11.44	38.2	6.86

Figure-8: Subsidies on LPG (Domestic)



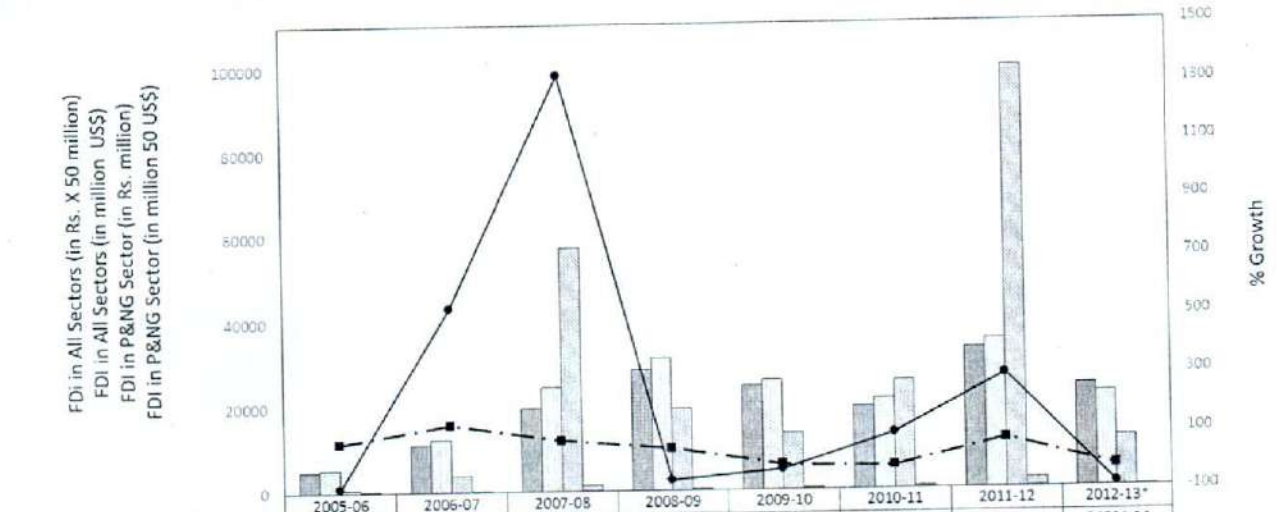
	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
Fiscal (Rs. crore)	1605	1554	1663	1714	1814	1974	2137	1989
Oil Companies (Rs. crore)	10246	10701	15523	17600	14257	21772	29997	39558
Total (Rs. crore)	11851	12255	17186	19314	16071	23746	32134	41547
% Growth	16.82	3.41	40.24	12.38	-16.79	47.76	35.32	29.29

8. Growth of Foreign Direct Investment Inflows

To attract foreign investment in the P&NG sector various policy initiatives have been taken in recent years. The present Foreign Direct Investment (FDI) policy for petroleum & natural gas sector allows 100% automatic route for exploration activities of oil and natural gas fields, infrastructure related to marketing of petroleum products and natural gas, marketing of natural gas and petroleum products, petroleum product pipelines, natural gas/pipelines, LNG Regasification infrastructure, market study and formulation and Petroleum refining in the private sector, subject to the existing sectoral policy and regulatory framework in the oil marketing sector.

Year-wise FDI inflows under Petroleum & Gas sector is given in Figure-9 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. The highest FDI was inflow received in 2011-12 when it reached Rs. 9955 crore contributing almost 6% of total FDI inflow in the economy.

Figure-9: Foreign Direct Investment Inflows



	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13*
FDI in All Sectors (in Rs. million)	4916.8	11278	19728.4	28565.8	24624	19464.08	33029.1	24381.34
FDI in All Sectors (in million US$)	5540.00	12492.00	24575.00	31396.00	25834.00	21383.00	35121.00	22424.00
FDI in P&NG Sector (in Rs. million)	636.00	4010.00	57290.00	19310.00	13280.00	25431.00	99552.00	11926.00
FDI in P&NG Sector (in million US$)	14	89	1427	412	266	556	2030	215
% Annual Growth in All Sectors	67.77	129.38	74.93	44.80	-13.80	-20.95	69.69	-26.18
% Annual Growth in P&NG Sector	-87.73	530.50	1328.68	-66.29	-31.23	91.50	291.45	-88.02

1.3 Indian Economy -Selected Indicators

Indicator	Unit/base	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13*
1	2	3	4	5	6	7	8	9	10
1. Geographical Area	M.Sq.Km.	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.29
2. Population	Million	1106	1122	1138	1154	1170	1186	1202	1217
3. Gross Domestic Product									
at factor cost :									
(i) At current prices	Rs. '000 Crore	3391	3953	4582	5304	6109	7267 ^	8353 ^^	9461
(ii) At constant prices	"	3253	3564	3897	4159	4516	4937 ^	5244 ^^	5505
4. Net National Product									
at factor cost :									
(i) At current prices	Rs. '000 Crore	3001	3501	4077	4705	5411	6422 ^	7400 ^^	8368
(ii) At constant prices	"	2877	3149	3452	3664	3966	4310 ^	4572 ^^	4767
5. Per Capita Net									
National Product :									
(i) At current prices	Rupees	27131	31206	35825	40775	46249	54151 ^	61564 ^^	68757
(ii) At constant prices	"	26015	28067	30332	31754	33901	36342 ^	38037 ^^	39168
6. Foreign Exchange Reserves :									
(i) Gold	Rs.Crore	25674	29573	40124	48793	81188	102572	125742	145423
(ii) SDR	Rs.Crore	12	8	74	6	22596	20401	21746	23967
(iii) Foreign currency Assets	Rs.Crore	647327	836597	1196023	1230066	1149650	1224883	1311868	1408048
Foreign Exchange Rate!	Rs./US$	44	45	40	46	47	46	48	54
7. Foreign Trade :									
(i) Import	Rs.Crore	660409	840506	1012312	1374436	1363704	1683467	2345463	2673113
(ii) Export	Rs.Crore	456418	571779	655864	840755	845534	1142922	1465959	1635261
(iii) Balance of Trade	Rs.Crore	-203991	-268727	-356448	-533681	-518170	-540545	-879504	-1037852
8. Index of Production :									
(i) Agricultural	2007-08=100	-	-	107	107	103	121	124	NA
(ii) Industrial	2004-05=100	109	123	142	145	153	166	170	172
9. Wholesale Price Index :	2004-05=100	105	111	117	125	131	143	156	168
10. Consumer Price Index:									
(i) Industrial Workers	2001=100	542	125	133	145	163	180	195	215
(ii) Agricultural Labourers	1986-87=100	353	380	409	450	513	564	611	672
(iii) Rural Labourers	1986-87=100	355	382	409	451	513	564	611	673
11 Energy Generation (Gross) :									
Coal	Mn.Tonne	407	431	457	493	532	526	533	558
Lignite	"	30	31	34	32	34	23	25	26
Natural Gas	Bn.Cub.Mtr.	32	32	32	33	47	52	48	41
Crude Oil	Mn.Tonne	32	34	34	34	34	38	38	38
Petroleum Products **	"	124	140	149	155	185	195	203	218
12. Electricity Generated (Gross)									
(i) Utilities									
Hydel	B.KWH	102	114	120	110	104	114	131	114
Thermal	"	505	538	585	616	677	665	709	761
Nuclear	"	17	19	17	15	19	26	32	33
R.E.S.	"	-	-	-	-	-	39	51	58
Total	"	624	671	723	741	800	845	923	965
(ii) Non-utilities	"	74	82	91	100	106	* 121	134	148
Grand Total	"	**697**	**753**	**813**	**841**	**906**	**966**	**1057**	**1113**
13. POL Traffic by Rail	MMT	33	35	36	35	39	39	40	42

* : Provisional. ^^: 1st Revised Estimate ^: 2nd Revised Estimate N.A.: Not Available ** Includes production from Fractionators

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

I.4 Trends in Indian Petroleum Industry at a Glance

Item	Unit	2005-06	2006-07	2007-08*	2008-09	2009-10	2010-11	2011-12	2012-13*
1	2	3	4	5	6	7	8	9	10
1. Reserves !									
(Balance Recoverable)									
(i) Crude Oil	Mn.Tonne	756	725	770	773	775	757	760	758
(ii) Natural Gas	Bn.Cub.Mtr.	1075	1055	1090	1115	1149	1278	1330	1355
2. Consumption									
(i) Crude Oil (in terms of refinery crude throughput)	Mn.Tonne	130	147	156	161	193	197	204	219
(ii) Petroleum Products	"	113	121	129	134	138	141	148	157
3. Production :									
(i) Crude Oil	"	32	34	34	34	34	38	38	38
(ii) Petroleum Products	"	124	140	149	155	185	195	203	218
4. Imports & Exports									
(i) Gross Imports :									
(a) Qty : Crude Oil	Mn.Tonne	99	112	122	133	159	164	172	185
LNG	'	5	7	8	8	9	9	10	10
Pol. Products	"	13	18	22	19	15	17	16	16
Total (a)	"	118	136	152	159	183	189	197	210
(b) Value:Crude Oil	Rs.Billion	1717	2190	2727	3483	3753	4553	6722	7847
LNG	'	34	57	72	95	103	127	204	282
Pol.Products	"	280	412	541	608	338	521	681	684
Total (b)	"	2030	2658	3340	4187	4194	5201	7607	8813
(ii) Exports :									
(a) Qty :									
Pol. Products	Mn.Tonne	24	34	40	39	51	59	61	63
(b) Value:									
Pol.Products	Rs.Billion	500	811	1099	1221	1440	1969	2846	3201
(iii) Net Imports :									
(a) Qty : Crude Oil	Mn.Tonne	99	112	122	133	159	164	172	185
Pol. Products	"	-10	-16	-18	-20	-36	-42	-45	-48
Total (a)	"	94	102	112	120	132	130	136	147
(b) Value:Crude Oil	Rs.Billion	1717	2190	2727	3483	3753	4553	6722	7847
Pol.Products	"	-220	-399	-558	-612	-1103	-1448	-2166	-2517
Total (b)	"	1497	1791	2169	2871	2650	3105	4557	5330
(iv) Unit Value of Crude oil imports(gross)	Rs./MT	17272	19644	22413	26232	23565	27829	39144	42461
5. India's Total Imports	Rs.Billion	6604	8405	10123	13744	13637	16835	23455	26731
6. India's Total Exports	Rs.Billion	4564	5718	6559	8408	8455	11429	14660	16353
7. Petroleum Imports as % of India's total Imports	%	31	32	33	30	31	31	32	33
8. Petroleum Exports as % of India's total Exports	%	11	14	17	15	17	17	19	20
9. Contribution of Oil Sector to Centre/State Resources									
(i) Royalty from crude oil	Rs.Billion	51	59	65	72	62	90	159	181
(ii) Royalty from gas	"	9	11	15	16	18	24	33	39
(iii)Oil Development Cess	"	52	72	72	69	71	68	81	159
(iv) Excise & Custom duties^	"	631	719	784	706	718	1028	952	986
(v) Sales Tax	"	459	531	599	630	639	807	1004	1114
(vi) Dividend	"	101	121	100	99	138	133	130	141
10. Natural Gas :									
(i) Gross Production	Bn.Cub.Mtr.	32	32	32	33	47	52	48	41
(ii) Utilisation	"	31	31	31	32	47	51	46	40

*: Provisional '!: As on 1st April of initial year ^ includes cess on crude oil **N.A.**: Not Available.

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

I.5 International Petroleum Statistics

Item	Unit	2005	2006	2007	2008	2009	2010	2011	2012*
1	2	3	4	5	6	7	8	9	10
1. World Reserves :									
Oil & Gas at year end									
(i) Crude Oil	Th. Mn. Tonne	165.0	164.5	168.6	170.8	181.7	221.3	234.3	235.8
of which OPEC	"	123.5	123.6	127.6	129.8	145.3	159.2	168.4	169.9
(ii)Natural Gas	Tr.Cu.ft.	6361	6405.0	6263.0	6534.0	6621.0	6925.2	7360.9	6614.1
of which OPEC	"	3118	2961.0	3259.0	3295.0	3335.0	3312.5	3333.3	3360.1 @
2. World Prodn. of Oil & Gas									
(i) Crude Oil	Mn. Tonne	3916.4	3963.3	3950.4	3991.8	3890.6	3977.8	4018.8	4118.9
of which OPEC	"	1679.8	1708.2	1689.2	1746.0	1622.5	1667.6	1706.2	1778.4
(ii)Natural Gas Net	Bn.Cu.Mtr.	2770.4	2880.1	2943.2	3054.0	2969.3	2884.6	3291.3	3363.9
of which OPEC	"	501	522.2	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	4270.4	4330.8	4390.7	4430.8	4508.2	4556.1	4575.6	4593.2
(ii)Crude throughput	Mn. Tonne/ Year	3671.4	3699.8	3739.1	3720.5	3635.3	3737.5	3760.6	3784.2
4. World Oil Consumption									
(i) World Total	Mn. Tonne	3901.7	3950.1	4009.7	3994.8	3921.6	4038.2	4081.4	4130.5
(ii)Main consuming areas !	"	2002.2	2270.3	2273.5	2294.9	2234.7	2344.4	2377.0	2424.8
(iii)Consumption in main areas as % of world	%	51.3	57.5	56.7	57.4	57.0	58.1	58.2	58.7
5. World Imports/Exports									
(i) Crude Oil	Mn.Tonne	1885	1933.0	1984.0	1970.0	1892.5	1875.8	1894.7	1927.3
(ii)Pol. Products	"	576	658.0	717.0	728.0	714.0	757.7	790.7	801.8
Total	"	2461	2591.0	2701.0	2698.0	2606.5	2633.5	2685.4	2729.1
6. Export of Crude Oil/ Pol. from OPEC									
(i) Crude Oil	"	1161	1173.0	1197.0	1190.0	1102.0	1139.0	1277.9	1377.2
(ii)Pol. Products	"	224	229.1	220.1	219.5	204.5	182.0	231.5	237.9
Total	"	1385	1402.1	1417.1	1409.5	1306.5	1321.0	1509.4	1615.1
7. World Primary Energy Consumption	Mn. Tonne Oil Eqv.								
(i) Oil	"	3861	3950.1	4009.7	3994.8	3921.6	4038.2	4081.4	4130.5
(ii) Natural Gas	"	2512	2562.1	2647.3	2717.7	2655.7	2864.1	2914.2	2987.1
(iii)Coal	"	2904	3075.1	3199.8	3256.3	3238.7	3464.0	3628.8	3730.1
(iv) Hydro-Electric	"	658.5	688.1	700.7	727.6	737.7	782.1	794.7	831.1
(v) Nuclear Energy	"	626.8	635.2	621.8	619.0	614.1	626.4	600.4	560.4
(vi) Renewables	"		95.0	108.1	123.2	142.0	168.6	205.6	237.4
Total	"	**10562.3**	**11005.6**	**11287.4**	**11438.6**	**11309.8**	**11943.4**	**12225.0**	**12476.7**

@ : Angola & Ecuador is not included.

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

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

I.6(a) Petroleum Energy in India

(Calender Years)

Products	2005	2006	2007	2008	2009	2010	2011	2012*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*
				Availability				
				In Original Units (Million Tonnes)				
Kerosene	9.74	9.83	10.96	9.58	9.44	9.20	8.61	7.98
ATF	3.26	3.97	4.28	4.78	4.59	4.95	5.45	5.37
Diesel	41.47	41.97	45.31	52.49	57.60	60.66	63.10	69.25
Fuel Oils	13.27	11.14	10.07	12.50	10.94	14.70	12.41	10.32
Others^	25.79	28.02	30.74	32.68	34.72	37.66	43.06	47.41
Total	**93.52**	**94.92**	**101.36**	**112.03**	**117.30**	**127.16**	**132.64**	**140.32**
				In Million Tonnes of Coal Equivalent Unit @				
Kerosene	19.48	19.66	21.92	19.16	18.88	18.40	17.22	15.96
ATF	6.52	7.94	8.56	9.56	9.18	9.90	10.90	10.74
Diesel	82.94	83.94	90.62	104.98	115.20	121.32	126.20	138.50
Fuel Oils	26.54	22.28	20.14	25.00	21.88	29.40	24.82	20.64
Others^	51.58	56.04	61.48	65.36	69.44	75.32	86.12	94.82
Total	**187.06**	**189.86**	**202.72**	**224.06**	**234.58**	**254.34**	**265.26**	**280.66**
				In Million Tonnes of Coal Replacement Unit @				
Kerosene	77.92	78.64	87.68	76.64	75.52	73.60	68.88	63.84
ATF	24.45	29.78	32.10	35.85	34.43	37.13	40.88	40.28
Diesel	373.23	377.73	407.79	472.41	518.40	545.94	567.90	623.25
Fuel Oils	26.54	22.28	20.14	25.00	21.88	29.40	24.82	20.64
Others^	108.89	119.21	124.74	124.74	124.74	124.74	124.74	126.37
Total	**611.03**	**627.63**	**672.45**	**734.64**	**774.97**	**810.81**	**827.22**	**874.38**
				Consumption #				
				In Original Units (Million Tonnes)				
Kerosene	9.47	9.41	9.37	9.31	9.35	9.00	8.43	7.66
ATF	3.13	3.83	4.40	4.49	4.59	4.82	5.32	5.14
Diesel	37.36	40.15	44.78	51.41	54.11	58.05	63.50	68.97
Fuel Oils	12.51	11.49	11.59	11.18	10.90	9.81	8.47	7.00
Others^	27.17	29.34	32.93	34.71	38.04	42.96	46.28	48.70
Total	**89.63**	**94.23**	**103.08**	**111.11**	**117.00**	**124.64**	**132.01**	**137.47**
				In Million Tonnes of Coal Equivalent Unit @				
Kerosene	18.94	18.83	18.74	18.62	18.70	18.00	16.87	15.31
ATF	6.25	7.66	8.80	8.98	9.18	9.64	10.65	10.27
Diesel	74.71	80.30	89.56	102.82	108.23	116.09	127.01	137.95
Fuel Oils	25.02	22.98	23.19	22.36	21.81	19.62	16.95	14.00
Others^	54.34	58.69	65.86	69.43	76.08	85.92	92.55	97.40
Total	**179.27**	**188.46**	**206.15**	**222.21**	**233.99**	**249.27**	**264.02**	**274.93**
				In Million Tonnes of Coal Replacement Unit @				
Kerosene	75.78	75.31	74.96	74.48	74.80	72.00	67.47	61.24
ATF	23.45	28.73	33.00	33.68	34.43	36.16	39.93	38.51
Diesel	336.21	361.37	403.02	462.69	487.02	522.42	571.54	620.77
Fuel Oils	25.02	22.98	23.19	22.36	21.81	19.62	16.95	14.00
Others^	99.83	105.96	117.31	128.94	128.94	128.94	128.94	128.94
Total	**560.28**	**594.34**	**651.48**	**722.15**	**746.99**	**779.14**	**824.83**	**863.46**

*: Provisional (#) : Includes Petroleum Products used for power generation.

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

I.6(b) Petroleum Energy in India
(Financial Years)

Products	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*
Availability								
In Original Units (Million Tonnes)								
Kerosene	9.84	9.76	10.15	9.57	9.48	9.05	8.39	7.95
ATF	3.42	4.16	4.62	4.37	4.71	5.09	5.50	5.42
Diesel	42.29	43.29	44.29	45.29	46.29	47.29	63.95	69.67
Fuel Oils	13.29	14.92	9.16	13.20	14.09	14.71	11.74	10.20
Others^	26.03	28.75	19.73	32.15	38.41	42.02	45.77	47.87
Total	**94.87**	**100.88**	**87.96**	**104.59**	**112.98**	**118.17**	**135.36**	**141.11**
In Million Tonnes of Coal Equivalent Unit @								
Kerosene	19.68	19.52	20.30	19.14	18.96	18.10	16.78	15.90
ATF	6.84	8.32	9.24	8.74	9.42	10.18	11.00	10.84
Diesel	84.58	86.58	88.58	90.58	92.58	94.58	127.90	139.34
Fuel Oils	26.58	29.84	18.32	26.40	28.18	29.42	23.48	20.40
Others^	52.06	57.50	39.46	64.30	76.82	84.04	91.54	95.74
Total	**189.74**	**201.76**	**175.90**	**209.16**	**225.96**	**236.32**	**270.70**	**282.22**
In Million Tonnes of Coal Replacement Unit @								
Kerosene	78.72	78.08	81.20	76.56	75.84	72.40	67.12	63.60
ATF	25.65	31.20	34.65	32.78	35.33	38.18	41.25	40.65
Diesel	380.61	389.61	398.61	407.61	416.61	425.61	575.55	627.03
Fuel Oils	26.58	29.84	18.32	26.40	28.18	29.42	23.48	20.40
Others^	99.99	108.89	119.21	124.74	124.74	124.74	124.74	124.74
Total	**611.55**	**637.62**	**651.99**	**668.09**	**680.70**	**690.35**	**832.14**	**876.42**
Consumption#								
In Original Units (Million Tonnes)								
Kerosene	9.54	9.51	9.37	9.30	9.30	8.93	8.23	7.50
ATF	3.30	3.98	4.54	4.42	4.63	5.08	5.54	5.27
Diesel	41.07	43.62	48.34	52.26	56.78	60.53	64.75	69.57
Fuel Oils	12.83	12.62	12.72	12.59	11.59	10.79	9.31	7.68
Others^	28.06	31.05	34.25	35.51	37.56	44.40	47.64	49.70
Total	**94.80**	**100.78**	**109.22**	**114.08**	**119.86**	**129.72**	**135.46**	**139.72**
In Million Tonnes of Coal Equivalent Unit @								
Kerosene	19.08	19.01	18.74	18.60	18.60	17.86	16.46	15.00
ATF	6.59	7.97	9.08	8.84	9.26	10.16	11.07	10.54
Diesel	82.15	87.23	96.68	104.52	113.56	121.05	129.50	139.15
Fuel Oils	25.66	25.24	25.44	25.18	23.18	21.58	18.61	15.37
Others^	56.13	62.11	68.50	71.03	75.12	88.79	95.27	99.39
Total	**189.60**	**201.55**	**218.44**	**228.17**	**239.72**	**259.44**	**270.92**	**279.45**
In Million Tonnes of Coal Replacement Unit @								
Kerosene	76.32	76.04	74.96	74.40	74.40	71.42	65.83	60.01
ATF	24.71	29.87	34.05	33.15	34.73	38.09	41.52	39.53
Diesel	369.66	392.54	435.06	470.34	511.02	544.73	582.75	626.16
Fuel Oils	25.66	25.24	25.44	25.18	23.18	21.58	18.61	15.37
Others^	104.05	113.18	125.32	132.95	132.95	132.95	132.95	132.95
Total	**600.40**	**636.87**	**694.83**	**736.02**	**776.27**	**808.77**	**841.66**	**874.00**

Note:

@ : Based on conversion factors adopted by FPC, 1974 *: Provisional

(#) : Includes Petroleum Products used for power generation.

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

I.7 Oil and Oil and Gas Production Abroad

Sl. No.	Name of Project	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
1	2	3	4	5	6	7	8
				Oil Production(MMT)			
1	GNOP, Sudan	2.98	2.44	2.13	1.80	1.32	0.60
2	MECL, Colombia	0.35	0.37	0.41	0.47	0.56	0.55
3	Sancristobal, Venezuela	0.00	0.67	0.70	0.76	0.89	0.80
4	IEC, Russia'	0.00	0.08	0.54	0.77	0.77	0.56
5	Sakhalin I, Russia	2.23	1.85	1.53	1.47	1.50	1.37
6	Block 5A, Sudan	0.29	0.29	0.25	0.23	0.17	0.00
7	Vietnam 06.1	0.03	0.05	0.04	0.04	0.04	0.04
8	AFPC, Syria	0.95	0.81	0.69	0.65	0.50	0.12
9	BC-10, Brazil	-	-	0.19	0.57	0.45	0.29
10	Block 24,Syria	-	-	-	0.00	0.01	0.00
11	Carabobo-1,Venezuela	-	-	-	-	-	0.00
12	ACG,Azerbaijan	-	-	-	-	-	0.01
	Total-OIL	**6.84**	**6.56**	**6.49**	**6.75**	**6.20**	**4.34**
				Gas Production(BCM)			
1	Sakhalin I, Russia	0.35	0.37	0.39	0.42	0.49	0.65
2	Vietnam 06.1	1.62	1.85	1.97	2.25	2.02	2.10
3	AFPC, Syria	0.00	0.00	0.02	0.02	0.01	0.00
4	BC-10, Brazil	-	-	-	-	0.02	0.01
5	IEC,Russia	-	-	-	-	-	0.07
6	MECL,Colombia	-	-	-	-	-	0.01
7	Sancristobal, Venezuela	-	-	-	-	-	0.07
8	ACG,Azerbaijan	-	-	-	-	-	0.00
	Total-GAS	**1.96**	**2.22**	**2.38**	**2.68**	**2.52**	**2.92**
	Total O & OEG	**8.80**	**8.78**	**8.87**	**9.43**	**8.73**	**7.26**

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

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

Source: Oil & Natural Gas Corportaion 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.					
2005-06	70	196	433	28	74	242	98	270	675
2006-07	70	199	426	25	66	201	95	265	627
2007-08	71	234	476	25	88	258	96	322	734
2008-09	76	243	522	36	81	252	112	324	774
2009-10	85	294	626	35	82	251	120	376	877
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
				(B) Oil India Limited					
2005-06	14	31	125	-	-	-	14	31	125
2006-07	13	32	115	-	-	-	13	32	115
2007-08	13	37	138	-	-	-	13	37	138
2008-09	16	57	114	-	-	-	16	57	114
2009-10	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
				(C)Private/JVs					
2005-06	9	71	147	9	46	162	18	117	309
2006-07	11	54	101	11	64	213	22	118	314
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
				Total (A+B+C)					
2004-05	94	396	897	38	107	320	132	503	1217
2005-06	93	298	705	37	120	404	130	418	1109
2006-07	94	285	642	36	130	414	130	415	1056
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

*: Provisional.

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

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
			(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
			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

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	Injecter	Others	Total
1	2	3	4	5	6	7	8
			(A) Oil India Ltd.				
2004	485	118	417	52	102	934	2108
2005	476	125	418	57	103	960	2139
2006	476	125	417	55	103	959	2135
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
			(B) Oil & Natural Gas Corporation Ltd.				
2004	4620	620	2514	115	885	741	9495
2005	4769	649	2571	133	899	744	9765
2006	4918	678	2628	151	913	747	10035
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
			(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
			Total (A+B+C)				
2004	5105	718	2931	167	932	1675	11603
2005	5245	774	2989	190	1002	1704	11904
2006	5394	803	3045	206	1016	1706	12170
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

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 31.3.2013

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. Pondicherry)	20003
Tripura	21263
Uttar Pradesh (incl. Uttarakhand)	29797
West Bengal	8808
Maharrashtra	–
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 01.04.2013

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	6960	–	–	214	2457	1379
Arunachal Pradesh	–	–	–	–	–	258	27
Assam	31064	4340	–	27119	8249	2211	1982
Bihar	8490	947	–	–	–	2906	964
Chhattisgarh	202	–	–	–	–	–	–
Gujarat	106397	11115	–	8767	332	5900	7061
Himachal Pradesh	4250	–	–	–	–	595	–
Haryana	1038	–	–	–	–	–	–
Jammu & Kashmir	2563	–	–	–	–	–	–
Madhya Pradesh	10150	–	–	–	–	2339	304
Maharrashtra	0	–	–	–	–	476	–
Manipur	–	–	–	–	–	58	–
Meghalaya	205	–	–	–	–	0	–
Mizoram	209	–	–	1341	–	2211	–
Nagaland	602	6	–	–	–	–	–
Orissa	313	–	–	4278	–	464	–
Punjab	4078	–	–				
Rajasthan	23286	1397	–	12973	3976	18613	12452
Tamil Nadu	42533	8896	–	–	–	622	3030
Tripura	6291	947	–	–	–	559	50
Uttar Pradesh	29102	211	–	6223	–	2304	210
Uttaranchal	1522	–	–	–	–	–	–
West Bengal	33579	4047	–	–	–	5531	3255
Total(A)	**345105**	**38866**	–	**60700**	**12771**	**47504**	**30714**
(B) Offshore							
Andaman	–	–	13842	–	201	32177	7885
Saurashtra	–	–	–	–	–	–	–
Eastern offshore	252475	103195	–	–	–	233052	148052
Western offshore	480006	91619	–	–	–	93787	61515
Total(B)	**732481**	**194814**	**13842**	–	**201**	**359016**	**217452**
Total	**1077586**	**233680**	**22609**	–	**12972**	**406520**	**248166**

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.

II.6 Basin-wise / State-wise Achievements of Drilling since Inception upto 01.04.2013

Basin	State / Region	Wells Numbers	Metreage ('000')
1	*2*	*3*	*4*
(A) Onshore			
Cambay	Gujarat	6808	11763
Rajasthan	Rajasthan	198	380
Vindhyan	Rajasthan		
	Total WRBC	***7006***	***12143***
Upper Assam	Nagaland	36	127
	Assam	2882	9909
	Meghalaya	3	6
	Orissa	5	11
Fold Belt	Mizoram under ERBC	3	10
	Total ERBC	***2929***	***10062***
Assam-Arakan	Tripura	177	523
Foot hills &	West Bengal	33	133
Ganga Valley	Bihar	8	38
	Total CRBC	***218***	***694***
Himalayan Foot-hills,	Himachal Pradesh	15	58
Ganga Valley &	Punjab	4	16
Vindhyan/Gondwana	Uttar Pradesh	10	33
	Madhya Pradesh	10	39
	Jammu & Kashmir	4	12
	Total NRBC	***43***	***157***
Krishna-Godavari	Andhra Pradesh	572	1684
Cauvery	Tamil Nadu	637	1627
	Total SRBC	***1209***	***3311***
	Arunachal Pradesh#	61	149
	Others		
Total(A)		**11466**	**26516**
(B) Offshore			
East Coast(SW+DW)	East Coast including KG, Cauvery	338	1166
West Coast(SW+DW)	West Coast including drilling in	2538	6185
	Orissa, Andaman & Saurashtra	19	75
	Others	0	0
Total (B)		***2895***	***7427***
Total (A+B)		**14361**	**33942**

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

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

As on 01.04.2013

(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.		**32**	**144**	**208**	**384**
a) Onshore					
Gujarat	Cambay	5	8	75	88
Assam	Upper Assam	5	1	30	36
	A&AA	0	5	2	7
Rajasthan	Jodhpur	0	7	0	7
Andhra Pradesh	K.G. Basin	2	42	14	58
Tamil Nadu	Cauvery	8	11	13	32
Tripura	A&AA	0	11	0	11
Nagaland	A&AA	2	0	1	3
Mizoram		0	0	1	1
Madhya Pradesh	Vindhyan Basin	0	0	1	1
b) Offshore					
East Coast	Cauvery Offshore	0	0	0	0
	KG Offshore(Shallow)	1	9	7	17
	KG Offshore(Deep)	2	14	2	18
	Mahanadi	0	5	0	5
	Andaman	0	0	1	1
West Coast	Cambay	0	1	2	3
	Mumbai Offshore	6	26	58	90
	Kutch	1	4	1	6
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 Nagaur	1	0	0	1
C. Private/JVCs		**33**	**17**	**4**	**54**
a) Onshore					
Gujarat	Cambay	25	3	0	28
Arunachal Pradesh	Kharsang	1	0	0	1
Assam	Amguri	0	1	0	1
Madhya Pradesh*	Sohagpur	0	2	0	2
Jharkhand*	Jharia	0	1	0	1
	Bokaro	0	1	0	1
Rajasthan	Rajsthan	5	2	0	7
West Bengal*	Ranigunj (East)	0	2	0	2
b) Offshore					
East Coast	Cauvery	1	1	0	2
	KG Basin	1	2	1	4
West Coast	Mumbai	0	2	1	3
	Cambay	0	0	2	2
Grand Total		**66**	**164**	**227**	**457**

A&AA : Assam & Assam Arakan.
Source: ONGC, OIL and DGH.

*: CBM Fields

II.8 Reserves of Crude Oil in India

(Figures in Million Metric Tonne)

Year	Gujarat	Assam($)	Andhra Pradesh	Tamil Nadu	Western(#) Offshore	Eastern Offshore	Grand Total
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*
2005	191.98	171.59	4.71	8.18	366.51	43.07	786.04
2006	204.42	170.59	4.52	7.98	336.44	32.11	756.06
2007	131.62	133.76	4.40	8.09	420.65	26.86	725.38
2008	135.37	173.12	4.37	7.98	424.62	24.66	770.12
2009	134.97	173.74	4.21	7.92	429.96	22.50	773.29
2010	136.67	174.36	3.94	7.84	425.33	26.52	774.66
2011	137.43	176.49	5.22	8.48	403.60	26.18	757.40
2012	135.72	178.71	5.59	8.86	406.59	24.12	759.59
2013	136.73	178.07	7.42	9.21	396.41	30.43	758.27

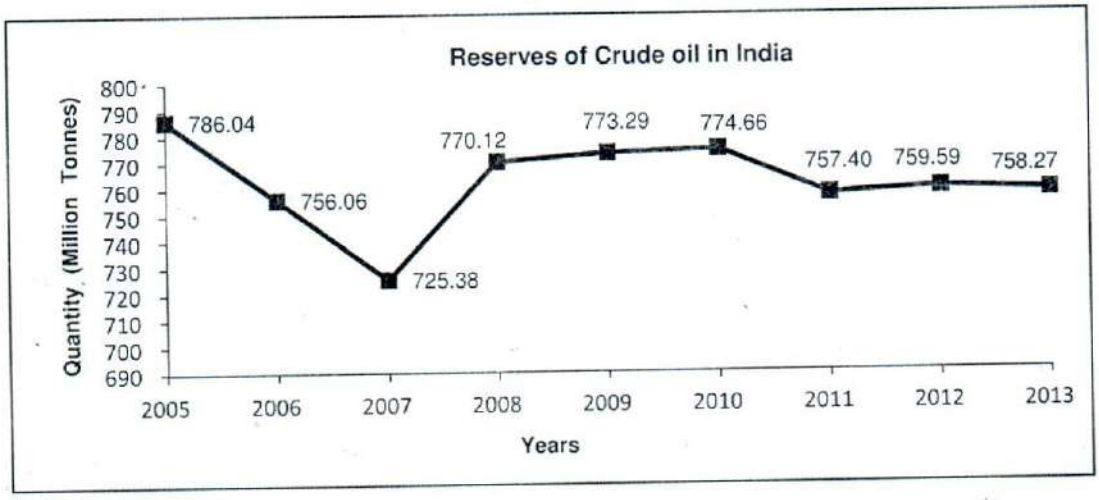
Note:

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

$: Includes Tripura,Nagaland and Arunachal Pradesh reserves of crude oil.

#: Includes Bombay High offshore, Rajasthan and JVC.

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



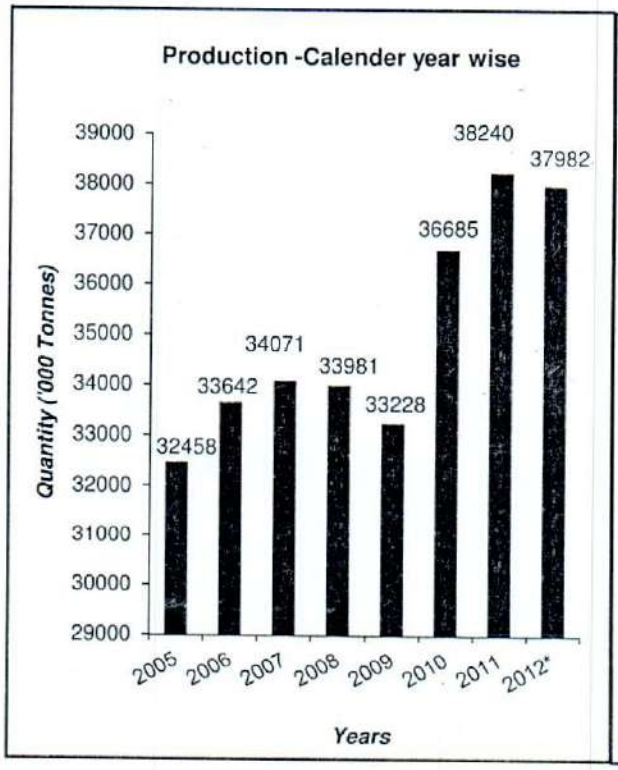
II. 9 Company-wise Production of Crude Oil in India

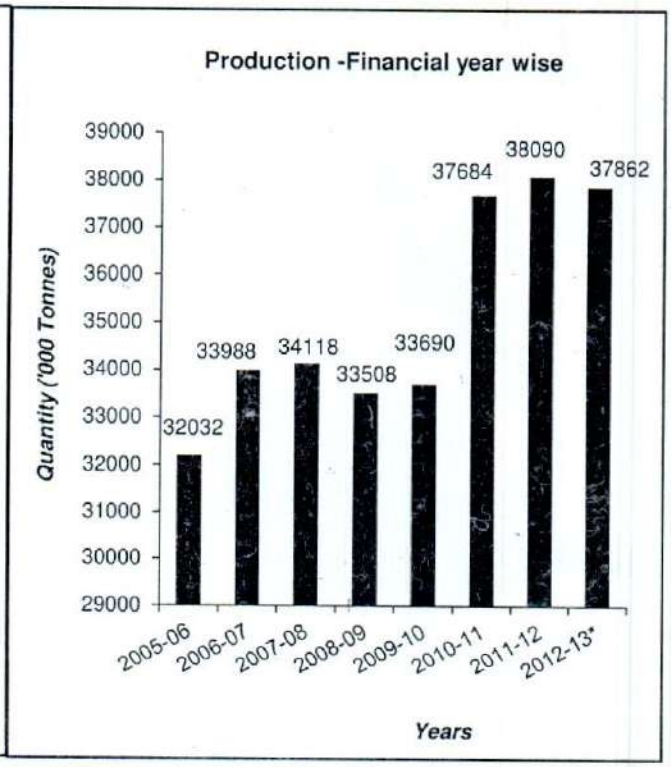
(Figures in 000 Tonnes)

Year	On Shore				Off Shore			Grand
	OIL	Pvt./JVC	ONGC	Total	ONGC	Pvt./JVC	Total	Total
1	2	3	4	5	6	7	8	9
				A.Calender Years				
2004	3144	74	8326	11544	18267	4271	22538	34082
2005	3280	90	8100	11470	16652	4336	20988	32458
2006	3123	151	8135	11409	17553	4680	22233	33642
2007	3028	185	7929	11142	18117	4812	22929	34071
2008	3450	224	7745	11419	18040	4522	22562	33981
2009	3525	508	7442	11475	17226	4528	21753	33228
2010	3538	4151	7431	15120	17195	4371	21566	36685
2011	3825	6523	7476	17824	16473	3943	20416	38240
2012*	3757	8484	7014	19255	15708	3019	18727	37982
				B.Financial Years				
2005-06	3234	101	8095	11430	16309	4451	20760	32190
2006-07	3107	161	8058	11326	17993	4669	22662	33988
2007-08	3100	192	7921	11213	18020	4885	22905	34118
2008-09	3468	243	7565	11276	17801	4431	22232	33508
2009-10	3572	734	7515	11821	17340	4529	21869	33690
2010-11	3582	5400	7447	16429	16973	4282	21255	37684
2011-12	3847	6794	7386	18027	16330	3733	20063	38090
2012-13*	3661	8836	6944	19441	15617	2804	18421	37862

Note: Oil condensate includes in production of Crude oil *: Provisional

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





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

(Figures in '000 Tonnes)

Year	Onshore					Offshore			Grand Total
	Arunachal Pradesh	T. Nadu/ Andhra Pradesh	Assam	Gujarat /Rajasthan	Total	Pvt/JVs	PSUs	Total	
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
A. Calender Years									
2005	97	609	4565	6199	11470	4336	16652	20988	32458
2006	110	606	4413	6280	11409	4680	17553	22233	33642
2007	105	582	4287	6168	11142	4812	18117	22929	34071
2008	96	568	4686	6069	11419	4522	18040	22562	33981
2009	127	546	4697	6105	11475	4528	17225	21753	33228
2010	122	525	4661	9812	15120	4371	17195	21566	36685
2011	117	558	5004	12144	17824	3943	16473	20416	38240
2012*	118	538	4948	13651	19255	3019	15708	18727	37982
B. Financial Years									
2005-06	103	601	4475	6251	11430	4451	16309	20760	32190
2006-07	108	605	4400	6213	11326	4669	17993	22662	33988
2007-08	102	577	4357	6177	11213	4885	18020	22905	34118
2008-09	102	554	4674	5946	11276	4431	17801	22232	33508
2009-10	131	543	4740	6407	11821	4529	17340	21869	33690
2010-11	116	538	4721	11054	16429	4282	16973	21255	37684
2011-12	118	552	5025	12332	18027	3733	16330	20063	38090
2012-13*	121	533	4863	13924	19441	2804	15617	18421	37862

Note: Oil condensate includes in production of Crude oil *Provisional

II.11 Reserves of Natural Gas in India

(Figures in Billion Cubic Metres)

Year	Gujarat	Assam^	Andhra Pradesh	Tamil Nadu	Western* Offshore	Eastern** Offshore	Grand Total
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*
2005	93.11	174.94	42.28	29.57	374.69	386.40	1100.99
2006	84.96	174.68	41.46	28.78	344.44	400.83	1075.15
2007	76.72	119.74	40.92	28.72	369.36	419.12	1054.58
2008	73.75	112.34	40.33	27.77	392.95	442.83	1089.97
2009	77.22	131.45	39.55	26.95	414.65	425.44	1115.27
2010	76.57	129.20	41.24	34.27	446.85	420.44	1148.57
2011	78.96	175.07	40.58	36.88	504.19	442.38	1278.06
2012	78.19	178.12	42.30	39.30	516.03	476.30	1330.24
2013	77.53	181.77	48.21	45.83	488.20	513.22	1354.76

Note:

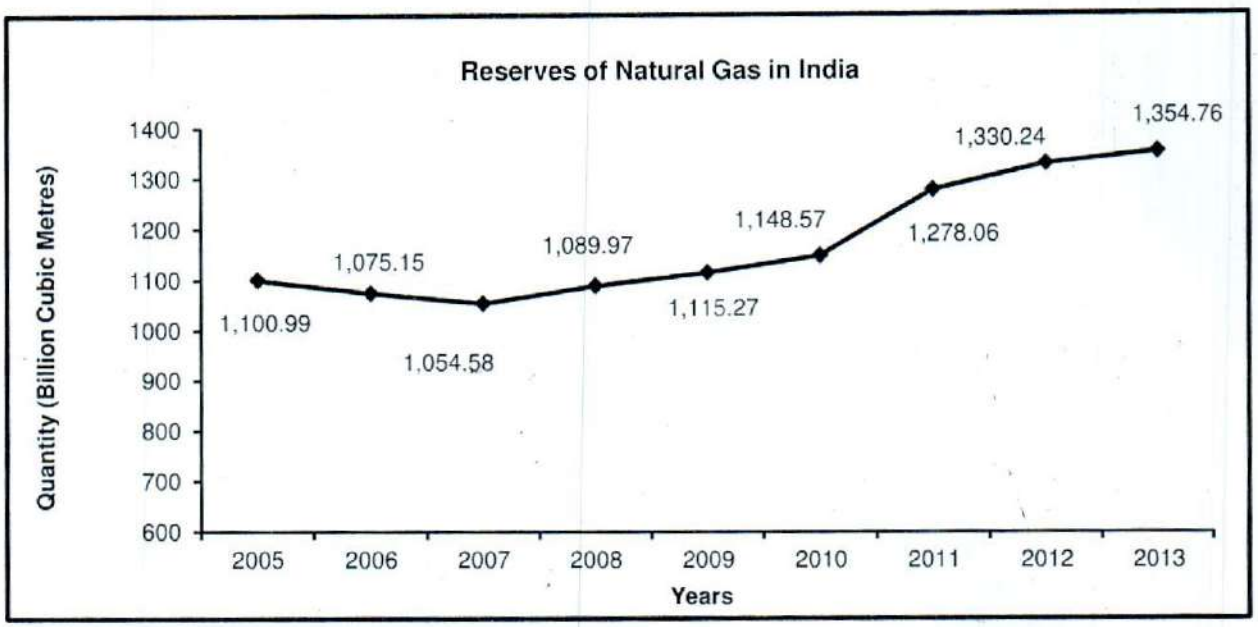
Proved and indicated Balance Recoverable Reserves as on 1st April.

^: Includes Nagaland, Tripura and Arunachal Pradesh reserves of natural gas.

*: Includes Bombay High offshore, Rajasthan and Madhya Pradesh & Jharkhand(Coal Bed Methane).

**: Includes West Bengal (CBM).

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



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

(Figures in MMSCM)

Year	Onshore									Offshore			Grand Total
	Assam	Gujarat	West Bengal (CBM) $	Rajas-than	Tamil Nadu	Andhra Pradesh	Tripura	Arunachal Pradesh	Total	Eastern Offshore	Gujarat/ Western Offshore	Total	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Calender Years													
2005	2392	3802	0	239	841	1679	502	44	9499	1008	21492	22500	31999
2006	2483	3547	0	244	1091	1560	500	41	9466	878	21444	22322	31788
2007	2581	2968	9	253	1165	1548	530	31	9085	892	22430	23322	32407
2008	2616	2679	13	227	1236	1555	556	29	8911	897	23252	24150	33060
2009	2653	2500	36	230	1203	1488	553	36	8699	10144	22861	33005	41704
2010	2657	2293	37	380	1115	1409	596	46	8533	22412	22384	44796	53328
2011	2865	2155	75	567	1247	1344	637	41	8930	17784	22023	39806	48737
2012*	2916	2120	103	655	1212	1298	633	40	8977	11764	22000	33764	42742
Financial Years													
2005-06	2408	3831	0	242	906	1663	480	48	9578	980	21644	22624	32202
2006-07	2526	3294	0	242	1130	1525	520	35	9272	857	21618	22475	31747
2007-08	2598	2931	15	255	1169	1567	534	30	9099	892	22426	23318	32417
2008-09	2573	2605	20	216	1242	1524	553	30	8763	866	23216	24082	32845
2009-10	2703	2444	38	239	1178	1479	564	40	8685	15787	23024	38811	47496
2010-11	2680	2262	41	432	1119	1384	610	44	8574	21422	22223	43645	52219
2011-12	2905	2173	84	590	1285	1364	644	40	9084	16398	22077	38475	47559
2012-13	2910	2032	107	685	1206	1249	647	41	8877	10205	21597	31802	40679

*:Provisional $: Including Madhya Pradesh & Jharkhand.

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

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

(Figures in MMSCM)

Period	Gross Production	Sales #	Flaring	Net availability ^
1	2	3	4	5
		Onshore		
Gujarat				
2005-06	3831	3176	21	3810
2006-07	3294	2713	17	3277
2007-08	2931	2353	18	2913
2008-09	2605	1984	32	2573
2009-10	2444	1792	38	2406
2010-11	2262	1606	33	2229
2011-12	2173	1498	69	2104
2012-13*	2032	1423	39	1993
Rajasthan				
2005-06	242	238	0	242
2006-07	242	237	1	241
2007-08	255	248	2	253
2008-09	216	210	2	214
2009-10	239	213	18	221
2010-11	432	183	49	384
2011-12	590	297	33	557
2012-13*	685	273	52	634
Assam / Arunachal Pradesh				
2005-06	2455	1715	203	2252
2006-07	2561	1809	231	2330
2007-08	2628	1875	214	2414
2008-09	2603	1860	194	2409
2009-10	2743	1963	210	2533
2010-11	2724	1959	205	2519
2011-12	2944	2152	194	2750
2012-13*	2951	2139	221	2730
Tripura				
2005-06	480	479	0	480
2006-07	520	519	0	520
2007-08	534	533	0	534
2008-09	553	552	0	553
2009-10	564	562	0	564
2010-11	610	608	0	610
2011-12	644	642	0	644
2012-13*	647	644	0	647
Tamil Nadu				
2005-06	906	866	39	867
2006-07	1130	1111	17	1113
2007-08	1169	1150	17	1152
2008-09	1242	1230	10	1232
2009-10	1178	1161	15	1163
2010-11	1119	1104	13	1106
2011-12	1285	1275	8	1277
2012-13*	1206	1198	7	1199

Cont...

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

(Figures in MMSCM)

Period	Gross Production	Sales #	Flaring	Net availability ^
1	2	3	4	5
Andhra Pradesh				
2005-06	1663	1646	8	1655
2006-07	1525	1507	9	1516
2007-08	1567	1550	10	1557
2008-09	1524	1511	7	1517
2009-10	1479	1468	1	1478
2010-11	1384	1372	2	1383
2011-12	1364	1343	2	1362
2012-13*	1249	1217	3	1246
West Bengal (CBM) $				
2007-08	15	1	14	1
2008-09	20	2	17	3
2009-10	38	6	30	8
2010-11	41	31	5	36
2011-12	84	63	11	73
2012-13*	107	87	7	100
Total Onshore				
2005-06	9577	8120	271	9306
2006-07	9272	7898	276	8996
2007-08	9099	7711	276	8823
2008-09	8763	7348	262	8502
2009-10	8685	7166	311	8374
2010-11	8574	6864	308	8266
2011-12	9084	7270	319	8765
2012-13*	8877	6981	328	8549
Offshore				
2005-06	22624	18739	604	22020
2006-07	22476	18522	680	21796
2007-08	23318	19270	662	22656
2008-09	24081	19718	837	23244
2009-10	38811	33695	664	38147
2010-11	43645	39173	663	42982
2011-12	38475	33899	758	37716
2012-13*	31802	27367	574	31228
Grand Total				
2005-06	32201	26859	875	31326
2006-07	31747	26419	956	30792
2007-08	32417	26981	938	31479
2008-09	32845	27066	1099	31746
2009-10	47496	40861	975	46521
2010-11	52219	46038	970	51248
2011-12	47559	41169	1077	46482
2012-13*	40679	34348	902	39777

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

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

#: Denotes Natural gas available for Sale, which is derived by deducting gas Internal use of gas by producing companies from Net Availability.

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

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

(Figures in Million Cubic Metres)

State / Area	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13*
1	2	3	4	5	6	7	8	9
Onshore								
Gujarat/Rajasthan	4052	3517	3166	2787	2628	2612	2661	2627
Assam / Arunachal Pradesh	2252	2330	2414	2409	2533	2519	2750	2730
Tripura / West Bengal(CBM)	480	520	535	556	572	646	717	747
Andhra Pradesh	1655	1516	1557	1517	1478	1383	1362	1246
Tamil Nadu	867	1113	1152	1232	1163	1106	1277	1199
Total Onshore	**9306**	**8996**	**8823**	**8502**	**8374**	**8266**	**8765**	**8549**
Offshore								
Mumbai High	16351	16011	15879	16023	16887	17035	16873	17573
Private/JVCs	5669	5785	6777	7222	21261	25947	20844	13655
Total Offshore	**22020**	**21796**	**22656**	**23244**	**38147**	**42982**	**37716**	**31228**
Grand Total^	**31326**	**30792**	**31479**	**31746**	**46521**	**51248**	**46482**	**39777**

^: Denotes Natural gas available for consumption which is derived by deducting gas flared from gross production by producting companies *: Provisional.

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

(Figures in Million Cubic Metre)

INDUSTRY	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13*
1	2	3	4	5	6	7	8	9
ENERGY PURPOSES:								
Power Generation	11878	11963	12037	12603	21365	23583	18912	12849
Industrial Fuel	3780	3205	3323	5912	2322	999	1127	1139
Tea Plantation	151	170	160	154	167	193	175	182
Domestic Fuel	75	443	38	102	246	1584	1913	1996
Captive use/LPG Shrinkage	5048	5034	1804	1885	5433	5770	6343	5921
Others $	1120	40	1324	1535	1838	6551	5759	3224
Total	**22052**	**20855**	**18686**	**22191**	**31371**	**38680**	**34229**	**25311**
NON-ENERGY PURPOSES:								
Fertilizer Industry	7762	8497	9823	9082	13168	10444	10406	10702
Petro-Chemicals	1175	1377	1432	1105	1264	470	576	437
Others**	36	639	638	611	703	1424	1508	1950
Total	**8973**	**10513**	**11893**	**10798**	**15135**	**12338**	**12490**	**13089**
Grand Total	**31025**	**31368**	**30579**	**32989**	**46506**	**51018**	**46719**	**38400**

$: Sales of City Gas Distribution Companies like IGL, MGL, Bhagyanagar Gas, TNGCL, BMC Green Gas, CUGL & GGCL.Includes Industrial sale, Domestic sale and CNG sale. **: Sponge iron use. *: Provisional.

Source : ONGC, OIL, DGH and GAIL.

Refining, Transportation & Marketing

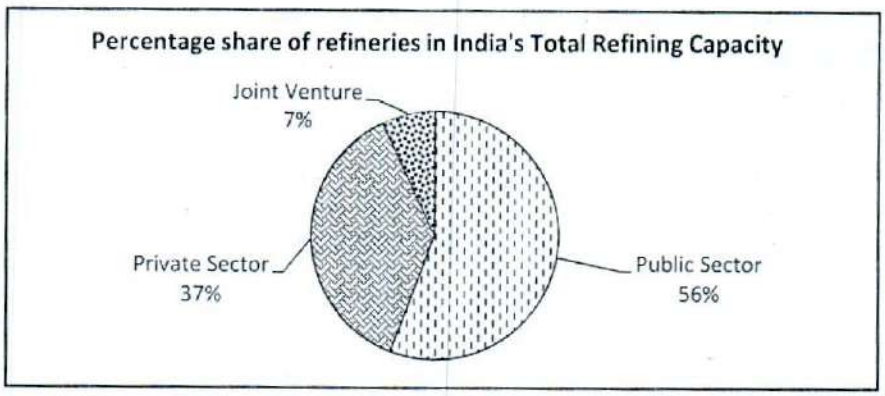
III.1(a) Petroleum Refining Capacity in India

(in MMTPA)

Sl. No.	Refinery	Year of Commissioning	Installed Capacity as on 1.4.2013
1	2	3	4
A	**Public Sector**		**120.07**
I.	**IOCL Refineries**		54.20
	IOC, Digboi	1901	0.65
	IOC, Guwahati	1962	1.00
	IOC, Barauni	1964	6.00
	IOC, Koyali	1965	13.70
	IOC, Haldia	1974	7.50
	IOC, Mathura	1982	8.00
	IOC, Panipat	1998	15.00
	IOC, Bongaigaon	1979	2.35
II.	**BPCL Refineries**		21.50
	BPCL, Mumbai	1955	12.00
	BPCL, Kochi	1966	9.50
III.	**HPCL Refineries**		14.80
	HPCL, Mumbai	1954	6.50
	HPCL, Visakh	1957	8.30
IV.	**CPCL Refineries**		11.50
	CPCL, Manali	1969	10.50
	CPCL, Nagapattinam	1993	1.00
V.	NRL, Numaligarh	1999	3.00
VI.	ONGC, Tatipaka	2002	0.07
VII.	MRPL, Mangalore	1996	15.00
B	**Private Sector**		**80.00**
I.	**RPL Refineries**		60.00
	RIL, Jamnagar	1999	33.00
	RIL(SEZ), Jamnagar	2008	27.00
II	Essar Oil Ltd., Vadinar	2006	20.00
C	**Joint Venture**		**15.00**
I.	BPCL, BORL-Bina^	2011	6.00
II.	HMEL,Bathinda*	2012	9.00
	Total (A+B+C)		**215.07**

*: HPCL & Mittal Energy Investments Pvt. Ltd., a Joint Venture, Bathinda commissioned on April,2012.

^: BPCL & Oman Oil Company, a Joint Venture,Bina Commissioned on May,2011



III.1(b) Installed Capacity and Refinery Crude Throughput

(Figures in TMT)

Refinery / Location	Installed Capacity as on		Refinery Crude Throughput							
	1.4.2012	1.4.2013	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	11
(a) PUBLIC SECTOR	**120066**	**120066**	**96946**	**108172**	**112541**	**112223**	**112117**	**115311**	**120895**	**120303**
IOC, Guwahati, Assam	1000	1000	864	839	920	1076	1078	1118	1058	956
IOC, Barauni, Bihar	6000	6000	5553	5469	5634	5940	6184	6207	5730	6344
IOC, Koyali, Gujarat	13700	13700	11543	12953	13714	13852	13206	13561	14253	13155
IOC, Haldia, West Bengal	7500	7500	5502	5836	5715	6042	5686	6878	8072	7490
IOC, Mathura, Uttar Pradesh	8000	8000	7938	8883	8033	8601	8107	8880	8202	8561
IOC, Digboi, Assam	650	650	615	586	564	623	600	651	622	660
IOC, Panipat, Haryana	15000	15000	6507	9435	12821	13070	13615	13660	15496	15126
IOC, Bongaigaon, Assam	2350	2350	2356	2067	2020	2163	2220	2008	2188	2356
Total IOC	**54200**	**54200**	**40878**	**46068**	**49421**	**51367**	**50696**	**52964**	**55621**	**54649**
BPCL, Mumbai, Maharashtra	12000	12000	10298	12030	12746	12262	12516	13020	13355	13077
BPCL, Kochi, Kerala	9500	9500	6939	7742	8134	7739	7875	8699	9472	10105
Total BPCL	**21500**	**21500**	**17237**	**19772**	**20880**	**20001**	**20391**	**21719**	**22828**	**23183**
HPCL, Mumbai, Maharashtra	6500	6500	6249	7419	7409	6652	6965	6638	7506	7748
HPCL, Visakh, Andhra Pradesh	8300	8300	7980	9377	9409	9155	8796	8200	8682	8028
Total HPCL	**14800**	**14800**	**14229**	**16796**	**16818**	**15807**	**15761**	**14838**	**16189**	**15777**
CPCL, Manali, Tamil Nadu	10500	10500	9680	9784	9802	9718	9580	10104	9953	9105
CPCL, Narimanam, Tamil Nadu	1000	1000	682	618	464	418	517	703	611	640
Total CPCL	**11500**	**11500**	**10362**	**10402**	**10266**	**10136**	**10097**	**10807**	**10565**	**9745**
NRL, Numaligarh, Assam	3000	3000	2133	2504	2568	2251	2619	2252	2825	2478
ONGC, Tatipaka, Andhra Pradesh	66	66	93	94	63	84	55	69	69	57
MRPL, Mangalore, Karnataka	15000	15000	12014	12536	12525	12577	12498	12662	12798	14415
(b) PRIVATE SECTOR	**78000**	**80000**	**33163**	**38379**	**43562**	**48549**	**80651**	**81678**	**81179**	**88273**
RIL, Jamnagar, Gujarat	33000	33000	33163	36616	36931	35636	34415	31198	32497	32613
RIL(SEZ), Jamnagar, Gujarat	27000	27000	-	-	-	-	32735	35607	35186	35892
ESSAR Oil Ltd. Vadinar	18000	20000	-	1763	6631	12913	13501	14873	13496	19769
(c) JOINT VENTURE	**15000**	**15000**	**-**	**-**	**-**	**-**	**-**	**-**	**2048**	**10636**
BORL,Bina	6000	6000	-	-	-	-	-	-	2048	5732
HMEL,Bathinda	9000	9000	-	-	-	-	-	-	-	4904
Total (a+b+c)	**213066**	**215066**	**130109**	**146551**	**156103**	**160772**	**192768**	**196989**	**204121**	**219212**

Note: Excludes other Inputs from RIL Refineries Crude throughput during 2010-11 to 2012-13

*: Provisional

Source: Public Sector Undertakings / Private Company.

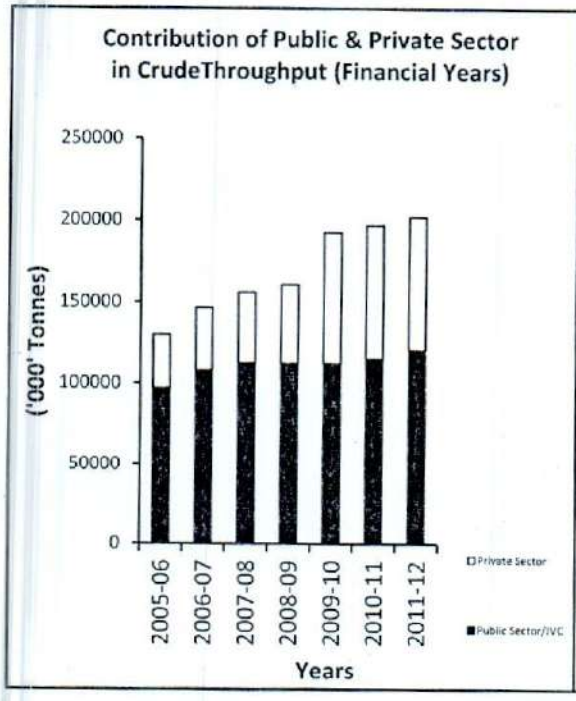
III.2 Refinery Crude Throughput and Production of Petroleum Products

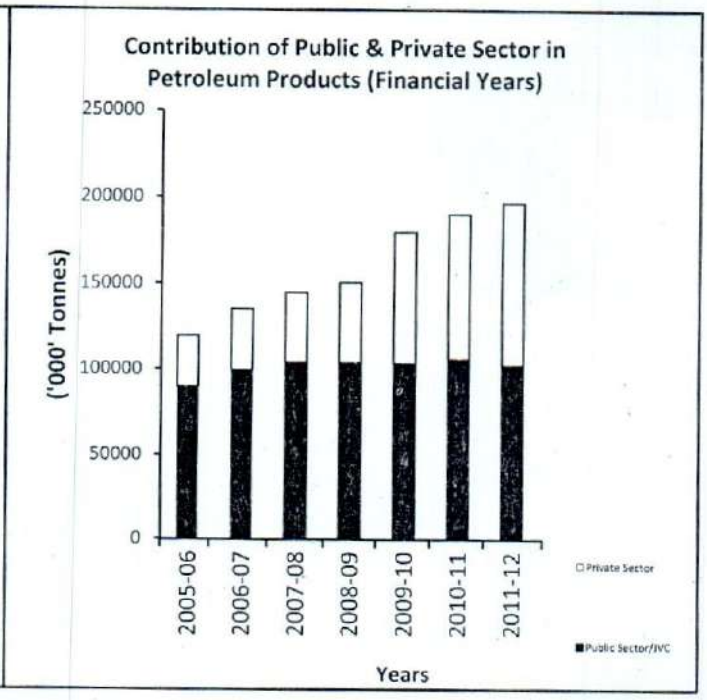
(Figures in TMT)

Year	Crude Throughput				Production of Petroleum Products				
	Refinery			Total	Refinery			Fractionators	Total
	PSUs	PVTs	JVs		PSUs	PVTs	JVs		
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
				(Calendar Years)					
2005	94489	33061	-	127550	87551	29694	-	2466	119711
2006	105690	36727	-	142417	97477	34172	-	2403	134052
2007	112179	42516	-	154695	103701	39699	-	2370	145770
2008	112120	48327	-	160447	103748	46501	-	3816	154065
2009	112365	78218	-	190583	104026	75343	-	4767	184136
2010	112829	83407	-	196236	103981	84080	-	4558	192618
2011	121030	81387	1242	203660	112609	84360	980	4644	202594
2012	119763	87363	8035	215160	111558	90034	7191	4566	213349
				(Financial Years)					
2005-06	96946	33163	-	130109	89793	29957	-	4655	124405
2006-07	108173	38378	-	146551	99714	35546	-	4488	139748
2007-08	112541	43562	-	156103	104008	40922	-	4542	149472
2008-09	112222	48550	-	160772	103933	46583	-	4632	155148
2009-10	112116	80652	-	192768	103641	76127	-	4840	184608
2010-11	115311	81678	-	196989	106428	83888	-	4504	194821
2011-12	120895	81179	2048	204121	102518	94328	1716	4640	203202
2012-13*	120303	88273	10636	219212	112329	91197	9692	4518	217736

Note: 1. Excludes other Inputs from RIL Refineries Crude throughput during 2010-11 to 2012-13 and 2010 to 2012

2. Includes Production from Fractionators (ONGC,OIL & GAIL) from 2005-06 to 2012-13 & 2005 to 2012 *: Provisional





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

(Figures in TMT)

Refinery	Crude Throughput								Production of Petroleum Products							
	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
(a) PUBLIC SECTOR	**96946**	**108172**	**112541**	**112223**	**112116**	**115311**	**120895**	**120303**	**89793**	**99714**	**104009**	**103933**	**103641**	**106429**	**112518**	**112329**
IOC, Digbol	615	586	564	623	600	651	622	660	605	567	537	605	578	633	602	652
IOC, Guwahati	864	839	920	1076	1078	1118	1058	956	750	726	789	914	952	997	927	881
IOC, Barauni	5553	5469	5634	5940	6184	6207	5730	6344	5016	4931	5083	5362	5651	5654	5210	5732
IOC, Koyali	11543	12953	13714	13852	13206	13561	14253	13155	10839	12142	12886	13059	12472	12687	13437	12480
IOC, Haldia	5502	5836	5715	6042	5686	6878	8072	7490	4988	5282	5199	5531	5053	6242	7283	6793
IOC, Mathura	7938	8883	8033	8601	8107	8880	8202	8561	7463	8425	7616	8164	7672	8561	7926	8281
IOC, Panipat	6507	9435	12821	13070	13615	13660	15496	15126	5780	8016	11272	11680	11959	12026	14029	14112
IOC,Bongaigaon, Assam	2356	2067	2020	2163	2220	2008	2188	2356	2246	1932	1888	2022	2100	1841	1969	2116
BPCL, Mumbai	10298	12030	12746	12262	12516	13020	13355	13077	9627	11234	11884	11437	11810	12406	12726	12458
BPCL, Kochi	6939	7742	8134	7739	7875	8699	9472	10105	6456	7237	7687	7192	7389	8138	8796	9385
HPCL, Mumbai	6249	7419	7409	6652	6965	6638	7506	7748	5817	6981	6908	6210	6594	5987	7225	7388
HPCL, Vishakhapatnam	7980	9377	9409	9155	8796	8200	8682	8028	7515	8782	8896	8654	8117	7626	8017	7452
CPCL(MRL), Manali	9680	9784	9802	9718	9580	10104	9953	9105	8742	8841	8869	8853	8718	9098	8998	8140
CPCL(MRL), Narimanam	682	618	464	418	517	703	611	640	671	609	449	398	503	696	602	635
NRL, Numaligarh	2133	2504	2568	2251	2619	2252	2825	2478	1918	2227	2278	1992	2336	1996	2750	2373
MRPL, Mangalore	12014	12536	12525	12577	12498	12662	12798	14415	11268	11689	11706	11778	11683	11773	11952	13394
ONGC, Tatipaka	93	94	63	84	55	69	69	57	92	93	62	82	54	68	68	56
(b) PRIVATE SECTOR	**33163**	**38379**	**43562**	**48549**	**80652**	**81678**	**81179**	**88273**	**29957**	**35546**	**40921**	**46583**	**76127**	**83887**	**84328**	**91197**
RPL, Jamnagar	33163	36616	36931	35636	34415	31198	32497	32613	29957	34174	34307	33010	31768	31514	33114	32755
RPL,SEZ	-	-	-	-	32735	35607	35186	35892	-	-	-	-	30113	37871	38541	39399
EOL, Vadinar	-	1763	6631	12913	13502	14873	13496	19769	-	1372	6614	13573	14246	14502	12673	19043
(c) JOINT VENTURE	**-**	**-**	**-**	**-**	**-**	**-**	**2048**	**10636**	**-**	**-**	**-**	**-**	**-**	**-**	**1716**	**9692**
BORL,Bina	-	-	-	-	-	-	2048	5732	-	-	-	-	-	-	1716	5209
HMEL,Bathinda	-	-	-	-	-	-	-	4904	-	-	-	-	-	-	-	4483
(d) Fractionators	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**4655**	**4488**	**4542**	**4632**	**4842**	**4504**	**4640**	**4518**
Grand Total	**130109**	**146551**	**156103**	**160772**	**192768**	**196989**	**204121**	**219212**	**124405**	**139748**	**149472**	**155148**	**184610**	**194821**	**203202**	**217736**

*Provisional

Note: 1. Excludes other Inputs from RIL Refineries Crude throughput during 2010-11 to 2012-13 and 2010 to 2012

2. Includes Production from Fractionators (ONGC,OIL & GAIL) from 2005-06 to & 2012-13

III.3(b) Refinery-wise Production of Petroleum Products during 2012-13

(Figures in TMT)

Refinery	LPG	Motor Spirit	Naphtha	Aviation Turbine Fuel	Superior Kerosene Oil	High Speed Diesel	Light Diesel Oil	Furnace Oil	Low Sulphur Heavy	Bitumen	Lube Oil	Petroleum Coke	Fuel & Losses	Total Production	Crude Throughput
1	2	3	4	6	7	8	9	10	11	12	13	14	15	16	17
(a) PUBLIC SECTOR	**4529**	**13374**	**8807**	**6461**	**6399**	**50330**	**400**	**10445**	**1364**	**4486**	**896**	**1923**	**10160**	**112329**	**120303**
IOC, Digbol	8	98	-7	-	39	336	13	83	-	-	-	40	67	652	660
IOC, Guwahati	39	138	27	58	14	622	8	-	-	-	-	55	116	881	956
IOC, Barauni	310	975	237	-	829	3101	-4	71	-1	7	-	142	583	5732	6344
IOC, Koyali	489	1526	785	393	815	6020	30	570	390	575	-	606	1270	12480	13155
IOC, Haldia	218	460	545	345	718	2694	-	1038	-	515	185	-	702	6793	7490
IOC, Mathura	305	965	636	597	421	3156	-	1099	294	570	-	-	745	8281	8561
IOC, Panipat	713	1408	1196	1150	840	7132	-	36	93	306	-	885	1590	14112	15126
IOC,Bongaigaon, Assam	51	206	124	-	139	1302	114	47	0	-	-	129	248	2116	2356
BPCL, Mumbai	452	1366	1586	742	446	5354	70	1146	104	602	215	-	816	12458	13077
BPCL, Kochi	471	1300	675	423	241	4600	-	937	218	225	-	-	720	9385	10105
HPCL, Mumbai	435	1358	409	537	331	2211	84	847	-1	631	362	-	585	7388	7748
HPCL, Vishakhapatnam	383	1262	251	66	582	3116	85	1026	183	395	-	-	608	7452	8028
CPCL(MRL), Manali	311	911	483	632	353	3227	-	1431	-	448	134	-	915	8140	9105
CPCL(MRL), Narimanam	15	-	261	-	66	220	-	-	75	-	-	-	7	635	640
NRL, Numaligarh	48	299	108	61	147	1648	-	-	-	-	-	65	179	2373	2478
MRPL, Mangalore	281	1102	1482	1458	411	5573	-	2113	-14	213	-	-	1009	13394	14415
ONGC, Tatipaka	-	-	7	-	6	19	-	-	25	-	-	-	1	56	57
(b) PRIVATE SECTOR	**2513**	**15326**	**8130**	**3371**	**563**	**36071**	**0**	**3245**	**0**	**184**	**0**	**8154**	**7171**	**91197**	**88273**
RPL, Jamnagar	753	3452	5662	2118	-	10448	-	1438	-	-	-	2837	2649	32755	32613
RPL,SEZ	938	8930	1631	1243	-	16604	-	770	-	-	-	3578	3350	39399	35892
EOL, Vadinar	821	2944	837	10	563	9020	-	1037	-	184	-	1739	1171	19043	19769
(c) JOINT VENTURE	**653**	**1418**	**417**	**246**	**905**	**4683**	**0**	**0**	**0**	**0**	**0**	**867**	**1017**	**9692**	**10636**
BORL,Bina	177	822	94	238	683	2715	-	-	-	-	-	410	534	5209	5732
HMEL,Bathinda	476	596	323	8	222	1968	-	-	-	-	-	457	483	4483	4904
(d) Fractionators	**2130**	**0**	**1664**	**11**	**103**	**18**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**4518**	**-**
Gail	1078	-	137	-	-	-	-	-	-	-	-	-	-	1376	-
ONGC (Hazira,Uran & Ankwar)	1007	-	1527	11	103	18	-	-	-	-	-	-	-	3096	-
OIL	46	-	-	-	-	-	-	-	-	-	-	-	-	46	
Grand Total	**9825**	**30118**	**19018**	**10088**	**7971**	**91103**	**400**	**13690**	**1364**	**4670**	**896**	**10943**	**18347**	**217736**	**219212**

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

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

III.4(a) Production of Petroleum Products
(Calender Years)

('000' Tonne)

PRODUCTS	Production								% Variation During 2012 Over	
	2005	2006	2007	2008	2009	2010	2011	2012*	2011	2010
1	2	3	4	5	6	7	8	9	10	11
Production of Petroleum Products by Refineries										
LPG	5298	6355	6578	7072	8189	7460	7509	7561	0.7	1.3
Motor Spirit	10392	12137	13634	16002	21718	25881	26845	29549	10.1	14.2
Naphtha	14316	16568	16714	15063	16992	17711	17237	16950	-1.7	-4.3
SBPS / Hexane	90	82	72	73	67	76	81	72	-11.3	-5.7
Kerosene	8849	8721	8022	7902	8554	7927	7747	8010	3.4	1.1
ATF	5866	7305	9104	8440	9160	9195	10579	9525	-10.0	3.6
HSD	46455	51908	57311	62293	72972	76709	82238	89267	8.5	16.4
LDO	1110	767	704	659	521	528	537	428	-20.3	-19.0
Furnace Oil	10241	11951	12519	14428	15350	18294	17324	14266	-17.7	-22.0
LSHS/HHS/RFO	4123	3365	3244	3090	2681	1872	1744	1566	-10.2	-16.3
Total Fuel Oils	14364	15316	15763	17518	18031	20167	19067	15832	-17.0	-21.5
Lube Oils	638	811	865	908	911	859	1016	954	-6.2	11.0
Bitumen	3449	3783	4358	4577	4938	4510	4629	4555	-1.6	1.0
Petroleum Coke	3117	3590	4092	4252	4043	2657	6706	9990	49.0	276.0
Paraffin Wax	65	60	63	70	63	63	50	54	9.6	-13.9
Other Waxes	6	3	4	2	4	4	7	5	-22.4	20.4
Total Waxes	71	63	67	72	67	67	56	59	5.9	-11.8
Others	11033	14209	14224	12757	21795	24029	21211	23593	11.2	-1.8
Total (A)	**119750**	**135260**	**144930**	**150516**	**179769**	**190316**	**197949**	**208783**	**5.5**	**9.7**
Production of Petroleum Products by Fractionators										
LPG	2185	2093	2060	2162	2243	2168	2208	2149	-2.7	-0.9
Naphtha	55	64	69	1244	1667	1654	1690	1698	0.5	2.7
Kerosene	N.A.	N.A.	N.A.	111	154	129	67	105	55.4	-19.0
ATF/RTF/Jet A-1	N.A.	N.A.	N.A.	16	11	17	14	14	-4.1	-18.6
HSD	N.A.	N.A.	N.A.	11	18	18	16	16	-1.3	-9.7
OthersHE	226	246	241	271	674	572	648	585	-9.7	2.3
Total (B)	2466	2403	2370	3816	**4767**	**4558**	**4644**	**4566**	-1.7	0.2
Grand Total (A+B)	**122216**	**137663**	**147300**	**154332**	**184536**	**194874**	**202594**	**213349**	**5.3**	**9.5**

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

III. 4 (b) Production of Petroleum Products

(Figures in '000' Tonne)

Products	Production								% Variation	
	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13*	During 2012-13 Over 2011-12	During 2012-13 Over 2010-11
1	2	3	4	5	6	7	8	9	10	11
Production of Petroleum Products by Refineries										
LPG	5525	6315	6732	6996	8091	7541	7333	7694	4.9	2.0
Mogas	10502	12539	14167	16020	22537	26138	27186	30118	10.8	15.2
Naphtha	14509	16660	16440	14826	17107	17535	17135	17354	1.3	-1.0
Kerosene	9078	8491	7794	8223	8545	7702	7789	7868	1.0	2.2
ATF/RTF/Jet A-1	6196	7805	9107	8071	9296	9570	10051	10077	0.3	5.3
HSD	47572	53465	58361	62889	73281	78040	82864	91085	9.9	16.7
LDO	923	803	671	606	472	590	502	400	-20.4	-32.3
Furnace Oil	10320	12325	12638	14749	15828	18659	16732	13690	-18.2	-26.6
LSHS/HHS/RFO	3985	3372	3166	2935	2518	1860	1701	1364	-19.8	-26.7
Fuel Oil	14305	15697	15804	17684	18346	20519	18433	15054	-18.3	-26.6
Lube Oils	677	825	881	874	950	884	1028	896	-12.8	1.4
Bitumen	3576	3891	4507	4713	4889	4478	4610	4670	1.3	4.3
Petroleum Coke	3182	3779	4129	4241	3709	2711	7837	10943	39.6	303.6
Paraffin Wax	63	63	64	69	64	61	47	52	10.9	-13.9
Others Waxes	3	5	7	5	3	6	7	5	-35.5	-26.5
Total Wax	66	68	71	74	67	67	54	57	4.9	-15.1
Others	3639	4922	6266	5299	12478	14542	13740	17003	23.8	16.9
Total (A)	**119750**	**135260**	**144930**	**150516**	**179768**	**190316**	**198561**	**213219**	**7.4**	**12.0**
Production of Petroleum Products by Fractionators										
LPG	2185	2093	2060	2162	2243	2168	2214	2130	-3.8	-1.7
Naphtha	1578	1485	1524	1626	1682	1660	1690	1664	-1.5	0.2
Kerosene	164	143	176	168	158	107	72	103	43.9	-3.9
ATF/RTF/Jet A-1	0	0	0	0	8	19	14	11	-19.0	-40.5
HSD	14	11	15	16	17	17	16	18	12.1	3.7
OthersHE	714	756	767	660	734	533	635	591	-7.0	10.9
Total (B)	**4655**	**4488**	**4542**	**4632**	**4842**	**4504**	**4640**	**4518**	**-2.6**	**0.3**
Grand Total (A+B)	**124405**	**139748**	**149472**	**155148**	**184610**	**194821**	**203202**	**217736**	**7.2**	**11.8**

*: Provisional

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

Type of pipeline / Owner	Length (in Kms.) as on 1st April								
	2005	2006	2007	2008	2009	2010	2011	2012	2013
Crude Pipelines (Onshore)									
ONGC	566	566	566	566	569	647	790	835	835
OIL	1193	1193	1193	1193	1193	1193	1193	1193	1193
IOC	2810	2810	3984	3984	4332	4332	4332	4342	4342
BORL (JV with BPCL)								937	937
HMEL (JV with HPCL)								1017	1017
Pvt/JVs @	19	19	21	47	47	662	662	662	662
Subtotal	**4587**	**4588**	**5764**	**5790**	**6141**	**6834**	**6977**	**8986**	**8986**
Crude Pipelines (Offshore)									
ONGC	284	488	488	488	488	488	488	488	488
IOC	14	14	14	34	34	34	34	34	106
Pvt/JVs @	179	179	200	200	200	205	205	205	205
Subtotal	**477**	**681**	**702**	**722**	**722**	**727**	**727**	**727**	**799**
Total Crude Oil Pipelines	**5064**	**5268**	**6465**	**6511**	**6863**	**7561**	**7704**	**9713**	**9785**
Gas Pipelines (Onshore)									
ONGC									53
IOC							132	132	134
GAIL	5471	5599	6197	7001	7190	7803	8197	9454	10701
EOL							15	15	73
RIL					1375	1375	1375	1375	1375
Pvt/JVs @	35	35	35	41	41	729	729	775	775
Subtotal	**5506**	**5634**	**6232**	**7042**	**8606**	**9907**	**10448**	**11751**	**13111**
Gas Pipelines (Offshore)									
ONGC	759	963	963	963	963	963	963	963	963
Pvt/JVs @	123	132	137	259	411	504	504	504	504
Subtotal	**882**	**1095**	**1100**	**1222**	**1374**	**1467**	**1467**	**1467**	**1467**
Total Gas Pipelines	**6388**	**6729**	**7332**	**8264**	**9980**	**11374**	**11915**	**13218**	**14578**
Product Pipelines (Onshore)									
IOC	4917	6138	5286	5286	5963	6175	6401	6401	6632
BPCL	610	610	1389	1389	1389	1389	1389	1648	1648
HPCL	732	732	2134	2134	2134	2134	2134	2164	2407
OIL					654	654	654	654	654
Petronet India Limited ^	753	753	655	655	655	655	655	655	655
GAIL	1927	1927	1927	1927	1964	1978	1978	2042	2042
Subtotal #	**8939**	**10160**	**11391**	**11391**	**12759**	**12985**	**13211**	**13564**	**14038**
Product Pipelines (Offshore)									
Total Product Pipeline	**8939**	**10160**	**11391**	**11391**	**12759**	**12985**	**13211**	**13564**	**14038**
Grand Total	**20391**	**22157**	**25188**	**26166**	**29602**	**31921**	**32831**	**36494**	**38401**

^: Petronet Cochin-Coimbatore-Karur Pipeline(PCCK)+ Petronet Mangalore - Hasan - Bangalore Pipeline *: Provisional

#: Total Product Pipeline includes 2316 KM LPG Pipeline which 2042 Gail LPG Pipeline & 274 IOCL LPG Pipeline.

"@: Reported by DGH, Crude Pipeline (Onshore) 590 kms Mainline + approx. 72 kms spurline etc. & Crude Pipeline (offhshore) 73 kms mainline + 132 kms others and Gas Pipeline (onshore) 775 kms others & 348 kms mainline + 156 kms others

Notes:

1. ONGC: Gas Charged in trunk Pipeline (20" Agartala Dome GCS-OTPC Palatana) on 09.07.2012

2.: RIL's Gas Pipeline (Onshore) compises 1375 kms Trunkline + approx. 105 kms spurline.

3. Gail's Dhabol Bangaluru Gas Pipeline is commisioned in January,2013

III.5(b) Existing Petroleum Product, LPG & Crude Pipelines in the Country

Oil Co.	Name of the Pipeline	Capacity (MMTPA)	Length (KM)	Throughput ('000' Tonne)				
		01.04.2013		2008-09	2009-10	2010-11	2011-12	2012-13*
1	2	3	4	5	6	7	8	9
	Product Pipelines							
IOC	Barauni - Kanpur	3.50	745	3580	4000	2399	2283	2535
IOC	Guwahati - Siliguri	1.40	435	1510	1800	1452	1677	1711
IOC	Haldia - Barauni	1.25	525	820	#	1275	1177	1146
IOC	Haldia - Mourigram - Rajbandh	1.35	277	1290	2500	1897	1837	1840
IOC	Koyali - Ahmedabad	1.10	116	540	500	435	574	538
IOC	Koyali -Ratlam	2.00	265	-	100	295	347	844
IOC	Koyali - Sanganer	4.60	1287	3240	3000	2725	3192	3441
IOC	Koyali-Dahej	2.60	197	800	1000	1288	1438	870
IOC	Panipat - Ambala-Jalandhar	3.50	434	-	2600	2364	2714	2654
IOC	Panipat - Delhi(Sonipat-Meerut branchline)		182	-	700	749	1210	1070
IOC	Panipat - Bhatinda	1.50	219	1510	1500	1397	1527	1426
IOC	Panipat - Rewari	1.50	155	1420	1500	1554	1569	1615
IOC	Panipat-Mathura - Delhi(Buwasan-Panipat)	3.70	258	-	2500	2984	2938	2676
IOC	Mathura - Tundla-Bharatpur	1.20	77	280	300	558	756	831
IOC	Chennai-Trichi-Madurai**	2.30	683	1690	1900	1965	2047	2278
IOC	Chennai Meenambakkam ATF	0.18	95	30	200	215	254	222
IOC	Chennai -Bangalore	2.45	290	-	-	875	956	809
IOC	Digboi Tinsukia	1.00	75	-	-	494	473	508
IOC	Narimanam-Nagappatinum	0.37	7	-	-	312	300	329
IOC	Devangonthi Devanhalli	0.66	36	-	-	155	214	252
HPCL	Mumbai - Pune-Solapur	4.30	508	3370	3400	3670	3836	4050
HPCL	Vizag - Vijayawada - Secunderabad	5.38	572	3880	3800	4250	4371	4380
HPCL	Mundra-Delhi	5.00	1054	3390	4800	5070	5411	4120
HPCL	Ramanmandi Bahadurgarh	4.71	243	-	-	-	-	1480
HPCL	Ramanmandi Bhatinda	1.13	30	-	-	-	-	490
BPCL	Mumbai - Manmad - Mangliya-Piyala-Bijwasan	12.70	1389	10490	11200	11613	11248	10530
BPCL	Bina-Kota^	2.80	259	-	-	-	448	2180
OIL	Numaligarh-Siliguri	1.72	654	-	800	1070	1376	1487
PCCK	Cochin-Coimbatore-Karur(PCCK)	3.30	293	1560	1500	1880	2211	2573
PMHB	Mangalore - Hasan - Bangalore	5.46	362	2450	2500	2580	2776	2834
	Subtotal	**82.66**	**11722**	**41850**	**52100**	**55521**	**59160**	**61719**
	LPG Pipelines							
IOC	Panipat- Jalandhar	0.70	274	600	400	441	480	499
GAIL	Jamnagar - Loni	2.50	1415	2090	2400	2570	2590	2330
GAIL	Vizag - Vijayawada - Secunderabad	1.30	623	650	700	760	770	810
GAIL	Others (GPU Vijaipur and GPU Gandhar to IOCL Plants)	0.23	4	-	-	-	110	110
	Subtotal	**4.73**	**2316**	**3340**	**3500**	**3771**	**3950**	**3749**
	Crude Pipelines							
OIL	Duliajan-Digboi-Bongaigaon-Barauni	8.40	1193	6220	6200	5800	6770	7051
IOC	Salaya-Mathura-Panipat	21.00	1870	22650	22400	22700	23319	23382
IOC	Haldia-Barauni/Paradip Barauni	11.00	1384	8680	11600	12700	15046	15182
IOC	Mundra-Panipat	8.40	1194	6910	7400	7100	9220	8837
ONGC	Mumbai High-Uran-Trunk Pipeline	15.63	204	-	8600	8900	9255	9440
ONGC	Heera-Uran-Trunk Pipeline	11.50	81	-	5530	4600	4024	3145
ONGC	Kalol-Nawagam-Koyali	8.54	141	-	5170	4700	5010	4250
ONGC	Kalol-Nawagam (old)$	-	51	-	-	400	-	-
ONGC	Nawagam-Koyali 14 ^	3.3	78	-	-	-	-	610
ONGC	MHN-NGM Trunk Line-New	2.27	77	-	2180	2300	2270	2225
ONGC	MHN-NGM Trunk Line-Old **	-	77	-	-			-
ONGC	CTF, Ank to Koyali Oil Pipeline (AKCL) $$	2.59	142	-	2090	1900	1538	1756
ONGC	CPF, Gandhar to Saraswani 'T' point	1.81	69	-	-	-	-	960
ONGC	Lakwa-Moran Oil Line	1.50	18	-	430	400	420	401
ONGC	Geleki-Jorhat Oil Line	1.50	48	-	650	600	630	618
ONGC	Borholla-Jorhat	0.60	42	-	-	-	160	194
ONGC	NRM to CPCL	0.74	5	-	240	200	244	239
ONGC	KSP-WGGS to TPK Refinery	0.83	14	-	30	40	0	0
ONGC	BUT-30 inch	6.38	263	-	-	200	161	57
ONGC	Akhojuni-Koyli Oil Pipeline	0.48	65	-	-	0	83	170
ONGC	GMAA EPT to S. Yamam Unloading Terminal	0.18	7	-	120	100	117	113
HMEL	Mundra-Bhatinda Pipeline	9.00	1017	-	-	-	1360	4928
BORL	Vadinar Bina Crude Pipeline	6.00	937	-	-	400	1200	5653
Cairns @	Barmer -Salaya & other Ravva terminal Pipeline	17.61	663	-	-	-	-	-
	Subtotal	**139.25**	**9581**	**44460**	**72640**	**73040**	**80827**	**89211**
	Grand Total	**226.64**	**23619**	**89650**	**128240**	**132332**	**143937**	**154679**

*:Provisional ^:This line was given on lease to IOC in 2000 and was restored and re-commissiond in Oct'2012 $:Stand by since Aug'2010 $$: 44.3 Km 8" line commissioned on 29.03.2012 **:Out of service since July'2012 #:Included in Haldia -Mourigram-Rajbandh @: DGH reported total Crude Pipeline 867 KM (663 kms mainline + 204 kms others).

Source: CHT & Oils Companies

III.6 Tonnage of Indian Tankers Fleet

	2005	2006	2007	2008	2009	2010	2011	2012	2013
A. Coastal Trade (Oil Tankers)									
1. Product Carriers									
No. of tankers	11	9	10	12	14	13	13	14	13
DWT ('000' tonnes)	54.9	40.5	42.6	44.7	66.70	43.2	43.2	43.2	42.8
2. Crude Oil Carriers									
No. of tankers	2	2	2	2	2	2	2	2	1
DWT ('000' tonnes)	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	41.1
3. Offshore Supply Vessels									
No. of tankers	80	83	89	96	100	110	110	115	106
DWT ('000' tonnes)	99.7	100.2	105.8	118.4	122.6	132.5	133.9	133.9	112.9
4. Specialised vessels for offshore									
No. of tankers	32	35	35	36	36	38	38	38	38
DWT ('000' tonnes)	54.1	47.4	47.4	47.4	49.3	50.5	50.5	50.5	50.5
Total (1+2+3+4)									
No. of tankers	125	129	136	146	152	163	163	169	158
DWT ('000' tonnes)	290.9	270.3	278.0	292.7	320.8	308.4	309.8	309.8	247.3
B. Overseas Trade (Oil Tankers)									
5. Ore Oil Bulk Carriers									
No. of tankers	2	2	2	2	2	2	2	2	1
DWT ('000' tonnes)	169.3	169.3	169.3	169.3	169.3	169.3	169.3	169.3	45.8
6. Crude Oil Carriers									
No. of tankers	49	47	54	53	54	60	72	71	59
DWT ('000' tonnes)	5735.4	5379.9	5730.9	5273.8	5264.1	5687.5	6665.2	6506.0	5661.2
7. Product Carriers									
No. of tankers	47	52	47	48	50	57	55	55	49
DWT ('000' tonnes)	2471.9	2985.5	2684.8	2940.3	3302.9	3586.9	3474.1	3405.1	3266.5
8. LPG Carriers									
No. of tankers	11	14	15	16	14	9	8	9	9
DWT ('000' tonnes)	250.7	341.9	385.5	442.3	395.8	276.9	240.8	240.8	272.9
Total Overseas (5+6+7+8)									
No. of tankers	109	115	118	119	120	128	137	137	118
DWT ('000' tonnes)	8627.3	8876.6	8970.5	8825.7	9132.1	9720.6	10549.4	10321.1	9246.3
Total Oil Tankers (A+B)									
No. of tankers	234	244	254	265	272	291	300	306	276
DWT ('000' tonnes)	8918.2	9146.9	9248.5	9118.4	9452.9	10029.0	10859.2	10630.9	9493.6

DWT: Dead Weight Tonnage.

Source: Directorate General of Shipping, Mumbai.

III.7 Indian Tonnage as on 31.3.2013

(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.	496	1179
	Total	**40437**	**42811**
	Tankers (Crude Oil Carriers)		
1	The Shipping Corporation of India Ltd.	25040	41123
	Total	**25040**	**41123**
	Offshore Supply Vessels		
1	Admn. of UT of Lakshadweep	738	960
2	Albatross Shipping Agencies	273	214
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	Great 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 Commission	17821	22208
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	Shipping Corporation of India Ltd.	19631	23010
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	Yojaka (Ind) Pvt. Ltd.	275	290
	Total	**116245**	**112885**
	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**

Source: Directorate General of Shipping, Mumbai.

Cont'd...

III.7 Indian Tonnage as on 31.3.2013

(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 Commission	45281	26469
8	Procyon Offshore Services Pvt. Ltd.	405	436
9	Raj Shipping Agencies Ltd.	715	915
10	Reliance Industries Ltd.	2421	3104
11	Safe & Sure Marine Pvt. Ltd.	490	826
12	Samson Maritime	1674	1810
13	Sealion Sparkle Maritime Services Ltd.	136	14
14	South East Asia Marine Engg. & Construction Ltd.	11211	6135
15	The Council of Scientific & Industrial Research	2661	800
16	The Department of Ocean Development	4582	1605
17	The Director General of Lighthouses & Lightships	5823	3083
18	The Geological Survey of India	2942	2005
	Total	**88201**	**50480**
	Overseas Trade		
	Ore Oil Bulk Carriers		
1	The Shipping Corporation of India Ltd.	28029	45792
	Total	**28029**	**45792**
	Oil Tankers (Crude Carriers)		
1	Chambal Fertilisers & Chemicals	342002	623836
2	Essar Shipping Ports & Logistics Ltd.	149274	281396
3	Great Eastern Shipping Co.Ltd.	370074	644155
4	Mercator Lines Ltd.	136977	234833
6	Peninsular Tankers Pvt. Ltd., Mumbai	8228	15037
5	Pratibha Shipping Co. Ltd.	205806	364629
7	Seven Islands Shipping Ltd.	50244	36518
8	The Shipping Corporation of India Ltd.	1794224	3247095
9	Varun Shipping Co. Ltd.	114263	213678
	Total	**3171092**	**5661177**
	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.	568885	1010040
5	Mercator Lines	364064	638994
6	Pratibha Shipping Ltd.	45172	76881
7	Sanmar Shipping Ltd.	117250	203119
8	Seven Islands Shipping	8982	14070
9	The Shipping Corporation of India Ltd.	694758	1178627
10	SCI Forbes Ltd.	34500	52489
11	West Asia Maritime Ltd.	6742	9928
12	Forcee Ports Terminal Pvt. Ltd.	5998	14003
	Total	**1889303**	**3266466**

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	2005-06	53.14	22.62	42.60
	2006-07	55.05	23.24	42.20
	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
Mumbai	2005-06	44.19	27.78	62.90
	2006-07	52.36	32.17	61.40
	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
Chennai	2005-06	47.25	13.11	27.70
	2006-07	53.41	12.99	24.30
	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
Kochi	2005-06	13.89	9.64	69.40
	2006-07	15.26	10.48	68.70
	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
Kandla	2005-06	45.91	24.29	52.90
	2006-07	52.98	29.71	56.10
	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

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*
Visakhapatnam	2005-06	55.80	16.94	30.40
	2006-07	56.39	18.18	32.20
	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
Mormugao	2005-06	31.69	0.83	2.60
	2006-07	34.24	0.79	2.30
	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
J.N.P.T.	2005-06	37.84	2.55	6.70
	2006-07	44.82	2.63	5.90
	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
Paradip	2005-06	33.11	0.91	2.70
	2006-07	38.52	1.38	3.60
	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
Port of Tuticorin	2005-06	17.14	0.77	4.50
	2006-07	18.00	0.74	4.10
	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

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*
New Mangalore	2005-06	34.45	22.39	65.00
	2006-07	32.04	21.87	68.30
	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
Ennore	2005-06	9.17	0.24	2.60
	2006-07	10.71	0.19	1.80
	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
Grand Total	2005-06	423.57	142.09	33.50
	2006-07	463.78	154.34	33.30
	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

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*
2005-06	33454	30693555	726	126.4	917.49
2006-07	35234	30375674	702	122.9	862.11
2007-08	35879	29364077	652	125.5	818.42
2008-09	38078	30511602	631	127.0	801.29
2009-10	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	41620	47256200	643	176.53	1135.42

*: Provisional (Based on St.7A) ^: As per AST.13

Source : Railway Board

III.10 Rail Freight Rates in respect of Petroleum Products

(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*
01.04.2005	200.20	464.20	728.20	1124.20	1388.20	2048.20	2540.20	2900.20
01.04.2006	183.50	425.50	667.50	1030.50	1272.50	1877.50	2328.50	2658.50
01.07.2006	175.10	413.10	647.20	1007.60	1243.00	1835.00	2302.40	2615.80
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

Source : Railway Board

III.11 Total Retail Outlets in India

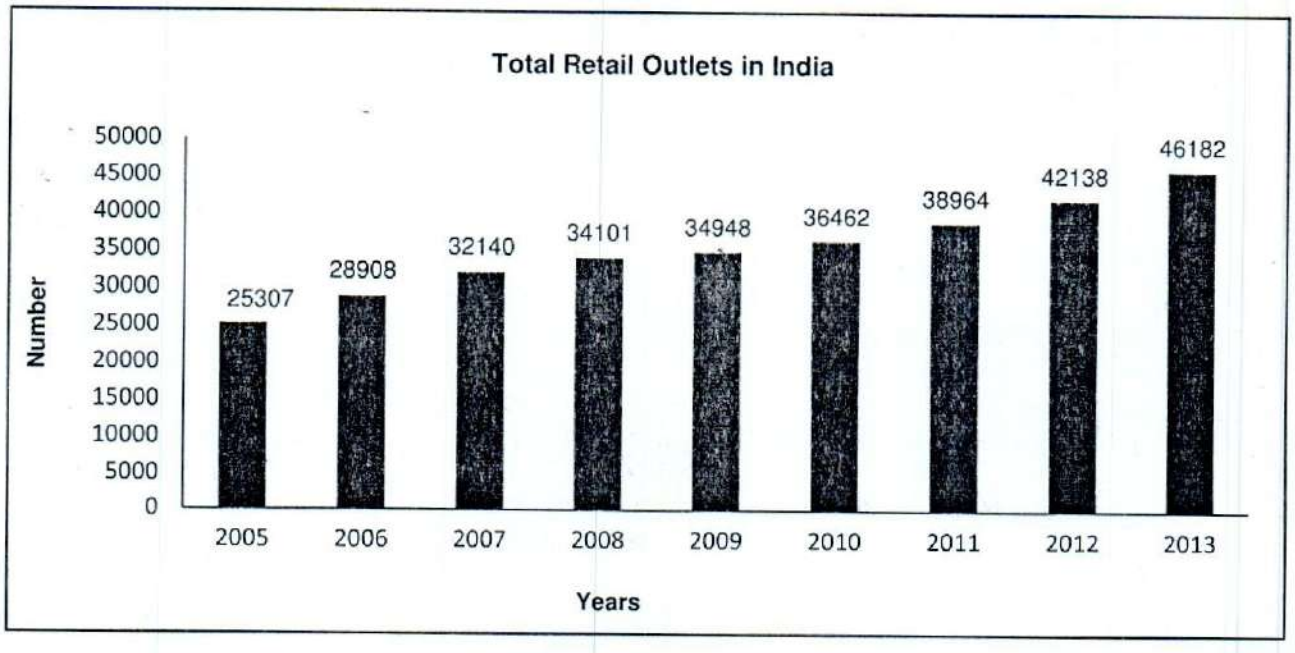
(Figures in Number)

Year	Retail Outlets*	BPCL	HPCL	IOC	IBP	TOTAL
1	*2*	*3*	*4*	*5*	*6*	*7*
2005	Nos.	6016	6295	9882	3114	25307
	%	23.8	24.9	39.0	12.3	100.0
2006	Nos.	7321	7026	11149	3412	28908
	%	25.3	24.3	38.6	11.8	100.0
2007	Nos.	7800	7909	12841	3590	32140
	%	24.3	24.6	40.0	11.2	100.0
2008	Nos.	8238	8329	17534	#	34101
	%	24.2	24.4	51.4		100.0
2009	Nos.	8389	8419	18140	#	34948
	%	24.0	24.1	51.9		100.0
2010	Nos.	8692	9127	18643	#	36462
	%	23.8	25.0	51.1		100.0
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

#: Included in IOC.

*: As on 1st January upto 2006 & 1st April from 2007 and onwards.

Source: Public Sector Undertakings.



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

(Figures in Number)

State / UT	As on 1.4.2013		
	Retail Outlets	LDO/SKO Dealers	LPG Distributors
1	2	3	4
STATES			
Andhra Pradesh	4302	603	1231
Arunachal Pradesh	54	33	37
Assam	666	359	303
Bihar	2101	373	627
Chhattisgarh	865	109	211
Delhi	408	116	317
Goa	104	21	53
Gujarat	2301	493	598
Haryana	2045	143	350
Himachal Pradesh	352	26	136
Jammu & Kashmir	453	47	168
Jharkhand	966	86	248
Karnataka	3129	325	616
Kerala	1800	242	448
Madhya Pradesh	2425	279	741
Maharashtra	4316	775	1303
Manipur	69	36	47
Meghalaya	158	35	37
Mizoram	29	19	39
Nagaland	56	19	37
Orissa	1291	177	323
Punjab	3069	242	521
Rajasthan	2919	251	710
Sikkim	42	12	8
Tamil Nadu	4148	465	924
Tripura	52	40	38
Uttar Pradesh	5317	695	1287
Uttarakhand	461	72	541
West Bengal	2049	469	652
UNION TERRITORIES			
Andaman & Nicobar	9	1	5
Chandigarh	41	12	27
Dadra & Nagar Haveli	20	2	2
Daman & Diu	23	5	2
Lakshadweep	0	0	1
Pondicherry	142	8	22
Grand Total	**46182**	**6590**	**12610**

Source: Public Sector Undertakings.

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

(Figures in Number)

State / UT	As on 01.04.2013				Total as on 01.04.2012
	IOCL/ AOD	HPCL	BPCL	TOTAL (Col.2-4)	
1	2	3	4	5	6
STATES					
Andhra Pradesh	1844	1346	1112	4302	3794
Arunachal Pradesh	48	0	6	54	49
Assam	480	75	111	666	589
Bihar	1190	374	537	2101	1871
Chhattisgarh	366	273	226	865	731
Delhi	200	98	110	408	408
Goa	27	33	44	104	105
Gujarat	1098	611	592	2301	2064
Haryana	1113	588	344	2045	1884
Himachal Pradesh	197	99	56	352	351
Jammu & Kashmir	213	121	119	453	422
Jharkhand	462	230	274	966	857
Karnataka	1550	780	799	3129	2893
Kerala	802	546	452	1800	1763
Madhya Pradesh	1021	668	736	2425	2147
Maharashtra	1548	1355	1413	4316	3837
Manipur	62	0	7	69	58
Meghalaya	107	21	30	158	134
Mizoram	25	3	1	29	26
Nagaland	47	3	6	56	52
Orissa	649	268	374	1291	1152
Punjab	1636	835	598	3069	2934
Rajasthan	1359	860	700	2919	2720
Sikkim	14	7	21	42	34
Tamil Nadu	1874	1092	1182	4148	3694
Tripura	52	0	0	52	45
Uttar Pradesh	2952	1223	1142	5317	4937
Uttarakhand	219	145	97	461	439
West Bengal	1090	451	508	2049	1925
UNION TERRITORIES					
Andaman & Nicobar	9	0	0	9	9
Chandigarh	20	11	10	41	41
Dadra & Nagar Haveli	9	10	1	20	16
Daman & Diu	11	9	3	23	21
Lakshadweep	0	0	0	0	0
Puducherry	78	38	26	142	136
Grand Total	**22372**	**12173**	**11637**	**46182**	**42138**

Source: Public Sector Undertakings.

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

(Figures in 000' Number)

State / UT	As on 01.04.2013				Total as on 01.04.2012
	IOCL/ AOD	HPCL	BPCL	TOTAL (Col.2-4)	
1	*2*	*3*	*4*	*5*	*6*
STATES					
Andhra Pradesh	6226.0	7417.3	3482.4	17125.8	15600.1
Arunachal Pradesh	201.0	0.0	2.4	203.4	183.3
Assam	2523.4	71.1	177.6	2772.1	2448.2
Bihar	2712.8	915.7	939.2	4567.7	3825.2
Chhattisgarh	808.2	483.9	224.8	1516.9	1380.0
Delhi	3487.2	774.7	1161.2	5423.2	5073.5
Goa	12.1	336.0	173.9	522.0	490.4
Gujarat	3935.4	1550.5	1720.5	7206.4	6811.0
Haryana	2145.9	927.7	1440.2	4513.7	4161.9
Himachal Pradesh	1357.3	191.1	110.0	1658.4	1527.8
Jammu & Kashmir	509.7	1115.1	171.0	1795.8	1677.4
Jharkhand	1109.5	326.1	216.2	1651.9	1464.2
Karnataka	3694.1	3066.6	2124.3	8884.9	8125.7
Kerala	3886.6	1308.6	2253.5	7448.6	7021.7
Madhya Pradesh	3138.9	1754.1	1303.1	6196.1	5568.5
Maharashtra	2249.4	8189.6	8303.6	18742.6	17265.1
Manipur	317.4	0.0	0.0	317.4	284.8
Meghalaya	171.7	0.0	3.9	175.6	156.1
Mizoram	265.0	0.0	0.0	265.0	242.3
Nagaland	200.6	0.0	1.4	202.0	185.7
Orissa	839.1	910.4	496.1	2245.6	2035.9
Punjab	3537.1	1233.2	1469.0	6239.3	5840.5
Rajasthan	3072.4	1981.7	1934.2	6988.2	6363.7
Sikkim	126.5	0.0	0.0	126.5	173.0
Tamil Nadu	9204.9	2242.9	3846.9	15294.7	13636.8
Tripura	372.1	0.0	0.0	372.1	331.6
Uttar Pradesh	10016.2	2545.8	4031.6	16593.6	14590.9
Uttarakhand	1722.3	143.4	290.1	2155.7	1980.1
West Bengal	5138.5	1782.1	1345.1	8265.7	7383.0
					0.0
					0.0
UNION TERRITORIES					
Andaman & Nicobar	67.6	0.0	0.0	67.6	63.4
Chandigarh	240.9	83.3	51.3	375.5	380.1
Dadra & Nagar Haveli	0.0	59.7	0.0	59.7	54.7
Daman & Diu	0.0	38.4	21.4	59.7	56.1
Lakshadweep	2.5	0.0	0.0	2.5	2.2
Puducherry	132.5	132.8	89.5	354.9	322.6
GRAND TOTAL	**73424.7**	**39581.7**	**37384.4**	**150390.7**	**136707.6**

Source: Public Sector Undertakings.

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

(Figures in Number)

State / UT	As on 01.04.2013				Total as on 01.04.2012
	IOCL	HPCL	BPCL	TOTAL	
1	2	3	4	5	6
STATES					
Andhra Pradesh	531	407	293	1231	1184
Arunachal Pradesh	36	0	1	37	32
Assam	252	21	30	303	284
Bihar	304	154	169	627	516
Chhattisgarh	110	70	31	211	192
Delhi	192	48	77	317	316
Goa	7	29	17	53	53
Gujarat	334	136	128	598	570
Haryana	175	76	99	350	303
Himachal Pradesh	106	18	12	136	133
Jammu & Kashmir	84	67	17	168	165
Jharkhand	130	62	56	248	213
Karnataka	270	204	142	616	570
Kerala	235	93	120	448	422
Madhya Pradesh	381	191	169	741	658
Maharashtra	307	524	472	1303	1241
Manipur	47	0	0	47	39
Meghalaya	36	0	1	37	36
Mizoram	39	0	0	39	33
Nagaland	36	0	1	37	33
Orissa	143	116	64	323	262
Punjab	302	97	122	521	469
Rajasthan	323	199	188	710	635
Sikkim	8	0	0	8	8
Tamil Nadu	537	177	210	924	817
Tripura	38	0	0	38	35
Uttar Pradesh	935	324	28	1287	1453
Uttarakhand	144	19	378	541	181
West Bengal	391	146	115	652	580
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	19
Grand Total	**6467**	**3194**	**2949**	**12610**	**11489**

Source: Public Sector Undertakings.

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

(Figures in Number)

State / UT	As on 01.04.2013				Total as on 01.04.2012
	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	361
Bihar	285	37	51	373	373
Chhattisgarh	61	39	9	109	109
Delhi	81	23	12	116	116
Goa	8	7	6	21	21
Gujarat	280	127	86	493	495
Haryana	80	41	22	143	148
Himachal Pradesh	18	3	5	26	26
Jammu & Kashmir	35	8	4	47	47
Jharkhand	57	13	16	86	86
Karnataka	184	94	47	325	325
Kerala	135	72	35	242	242
Madhya Pradesh	164	63	52	279	279
Maharashtra	305	260	210	775	776
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	179
Punjab	137	71	34	242	244
Rajasthan	117	103	31	251	253
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					
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	**3938**	**1638**	**1014**	**6590**	**6606**

Source: Public Sector Undertakings.

III.17 LPG Marketing in India

Item	Unit	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	10
Consumption (PSU/Pvt.)	(TMT)	10456	10849	12010	12191	13135	14332	15350	15603
LPG Customers (PSUs) @	(Lac)	891	949	1018	1068	1163	1269	1387	1523
LPG Distributors (PSUs) @	(No.)	9270	9363	9365	9366	9686	10541	11489	12610
LPG Markets (PSUs) @	(No.)	4288	4359	4393	4420	4599	4866	4990	5105
Enrolment	(Lac)	46.6	53.8	64.9	53.2	86.2	104.2	122.7	132
Indigenous Production (PSU/Pvt)	(TMT)	7710	8454	8868	9170	10336	9623	9554	9829
of which									
(a) Refineries	(TMT)	5525	6315	6732	6996	8091	7541	7333	7694
(b) Fractionators	(TMT)	2185	2093	2060	2162	2249	2168	2214	2130
Imports (PSU/Pvt.)	(TMT)	2883	2278	2833	2360	2718	4484	5035	6286
Bottling Capacity @	(TMTPA)	8122	8448	8697	8967	11569	11889	12723	13458

*: Provisional @: Year end position .

Source: PPAC

III.18 Compressed Natural Gas (CNG) Activities in India (as on 1.4.2013)

Item	Delhi	Maharashtra			Gujarat			Madhya Pradesh					Haryana	Rajathan	Andhra Pradesh				Tripura	Uttar Pradesh						Total
	Delhi/NCR	Mumbai #	Pune ^^	Panvel	Vado-dara	Surat	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	
				GAIL	GAIL		$	GAIL	GAIL				GAIL	GAIL	GAIL	GAIL	GAIL	GAIL						GAIL	GAIL	
	IGL	MGL	MNGL	Gas	Gas	GGCL	GGCL	Gas	Gas	AGL	AGL	AGL	Gas	Gas	BGL	BGL	BGL	BGL	TNGCL	GGL	GGL	CUGL	CUGL	Gas	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*
Station Type																										
Mother	67	18	3	0	0	5	4	0	0	1	0	1	0	1	1	1	1	0	0	2	1	1	1	0	0	108
Online	176	128	3	0	1	30	6	1	1	1	0	4	1	1	1	1	0	0	2	1	1	10	0	3	1	373
Daughter Booster	41	14	11	1	5	5	2	0	0	0	0	0	0	1	16	6	1	1	1	3	2	0	0	1	0	112
Daughter	2	0	0	0	0	0	2	0	0	0	2	5	0		0	0	0	0	0	1	0	0	0	0	0	12
Total	286 *	160	17	1	6	41	14	1	1	2	2	10	1	3	18	8	2	1	3	7	4	11	1	4	1	605
No. of Vehicles																										
Cars / Taxis	453191	133002	15230	34	1561	109814	13699	23	214	475	10	950	3700	340	6225	1548	300	290	957	6541	2452	10547	1066	2000	0	764169
Autos	164506	149419	2837I	73	3707	56099	14429	0	170	800	550	7500	60	630	5365	5518	107	73	3695	6878	7113	3701	4120	500	100	463484
LCV/RTVs	6764	2980	19	0	0	0	0	0	196	0	0	0	0	0	19	18	0	0	0	0	0	105	0	0	0	10101
Buses	17103	3804	574	0	131	584	62	0	0	20	35	70	100	0	167	328	0	0	30	1257	693	884	32	5	0	25879
Others/Phatphat	6767	1411	0	0	0	3268	236	0	0	75	180	1600	0	0	0	0	0	0	0	0	0	11831	1288	10	0	26666
Total	648331	290616	44194	107	5399	169765	28426	23	580	1370	775	10120	3860	970	11776	7412	407	363	4682	14676	10258	27068	6506	2515	100	1290299
Price (Rs./Kg)	39.90/45.10 ^	33.95	42/ 41.50 **	60.60	46.00	56.30	56.30	55.00	55.00	63.50	63.50	62.50	52.40	55.00	49.00	46.00	46.00	46.00	33.00	43.48	50.76	47.00	44.00	59.70	50.00	
Average Consumption																										
TPD	-	1056.74	61.20	1.10	23.00	233.10	46.69	0.20	4.00	2.88	3.60	31.65	10.00	5.00	32.50	37.50	1.19	1.103	15.00	65.24	36.90	68.30	16.47	11.50	3.00	
MMSCMD	2.750	1.520	0.090	0.001	0.030	0.340	0.070	0.000	0.005	0.004	0.005	0.044	0.013	0.007	0.058	0.051	0.003	0.002	0.020	0.090	0.050	0.100	0.020	0.015	0.004	

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

*: In additon to these , another 38 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.

$: Includes Bharuch

Conversion factors:

Note: In additon to these another 38 stations have been set up by IGL which awaits statutory clearances

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. = 1.45 (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 = 1.29 SCM of gas

III.19 Introduction to Green Fuels in India

Product	Effective Date	Areas Covered
1	2	3
Bio Diesel	01.01.2006	The 20 purchase centres have been nominated : A.P (Ghatkesor), Chandigarh (Mandirhasaud), Delhi (Bijwasan), Gujarat (Kandla), Haryana (Rewari), Karnataka (Devenagunthi & Mangalore), Madhya Pradesh (Mangliagaon), Maharashtra (Loni, Manmad, Barkhedi & Vashi), Punjab (Bhatinda), Rajasthan (Sanganer & Salawas), Tamil Nadu (Karukkupet, Narimanam & Karur) & U.P. (Panki & Amousi)
Ethanol Blen--ded Petrol (EBP)	20.09.2006*	20 States: A.P., Bihar, Chhatisgarh, Delhi, Goa, Gujarat, Haryana, H.P., Jharkhand, Karnataka, Kerala, M.P., Maharashtra, Orissa, Punjab,Rajasthan,T.N., Uttarakhan, U.P & West Bengal and 4 UTs: Chandigarh, Daman & Diu, Dadar & Nagar Haveli & Pondicherry.
	02.01.013	As per M/o P & NG Gazette Notification No. G.S.R. 4(E). Dated 02.01.2013, Oil Marketing companies shall sell Ethanol-blended-petrol with percentage of ethanol up to 10 % and as per the Bureau of Indian Standard specificationto achieve 5 % ethanol blending across the Country as a whole.
MS(BS-IV) & HSD (BS IV)	01.04.2010	13 major cities : NCR/Delhi, Mumbai, Kolkatta, Chennai, Banglore, Kanpur, Agra,Pune, Surat, Ahmedabad, Lucknow, Goa & Sholapur.
	01.06.2010	Chandigarh.MP, Maharashtra
	01.07.2010	Haryana, Himachal Pradesh, Punjab,Rajasthan, ChandigarhUttranchal, Western UP, Andaman & Nicobar, Orrisa, Sikkim, WB., Gujarat, AP., TN., Pondicherry, Jammu & Kashmir, Eastern UP, Bihar & Jharkhand.
	01.08.2010	Karnataka
	01.10.2010	Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Tripura, Eastern UP, Bihar, Jharkhand & Kerala.
	02.10.2010	Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram,Nagaland, Tripura & Kerala.
	01.01.2012	Poducherry City (UT), Mathura City (UP)
	01.02.2012	Vapi City (Gujarat), Jamnagar City (Gujarat)
	01.03.2012	Ankleshwar City (Gujarat), Hissar City (Haryana), Bharatpur City (Rajasthan)
	01.07.2012	Daman City, Diu City, Silvasa City
	01.10.2012	Aligarh, Rae Bareilly & unnao
	01.03.2013	Valsad, Karnal, Kurukshetra & Yamuna Nagar
MS (BS-III) & HSD (BS-III)	01.04.2010	Goa
	16.05.2010	Chattisgarh, Andaman & Nicobar
	31.05.2010	Madhya Pradesh, Maharastra
	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, Puducheery, 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 Laskshdweep & 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 MoP&NG 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 replenshiments 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(%)	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
Light Distillates									
LPG	0.91	106.1	106.1	106.1	117.2	111.9	125.9	143.17	158.52
Petrol	1.09	113.6	125.3	119.1	128.3	119.3	143.0	174.41	186.26
Naphtha	0.79	121.9	134.4	134.6	179.4	172.8	204.0	257.87	283.57
Middle Distillates									
Kerosene	0.74	99.9	99.9	99.9	99.9	99.9	127.2	154.42	162.87
Aviation Turbine Fuel	0.26	132.0	151.6	157.4	194.5	137.0	164.9	229.44	257.89
High Speed Diesel Oil	4.67	119.7	130.2	125.6	135.8	133.0	151.7	164.54	183.36
Light Diesel Oil	0.12	123.4	143.8	162.3	178.3	161.5	192.5	252.03	275.73
Heavy Ends									
Furnace Oil	0.47	131.2	148.4	166.0	197.9	187.6	223.7	304.64	337.82
Lubricating Oil	0.17	101.9	131.8	145.8	171.1	174.5	192.6	230.40	244.57
Bitumen	0.16	107.8	157.8	179.2	257.0	238.0	249.4	304.27	319.68
Total Petroleum Products (Mineral Oils)	**9.36**	**116.7**	**127.4**	**126.3**	**141.8**	**135.8**	**157.5**	**184.0**	**202.5**
All commodities	**100.00**	**104.5**	**111.4**	**116.6**	**126.0**	**130.8**	**143.3**	**156.1**	**167.6**

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

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

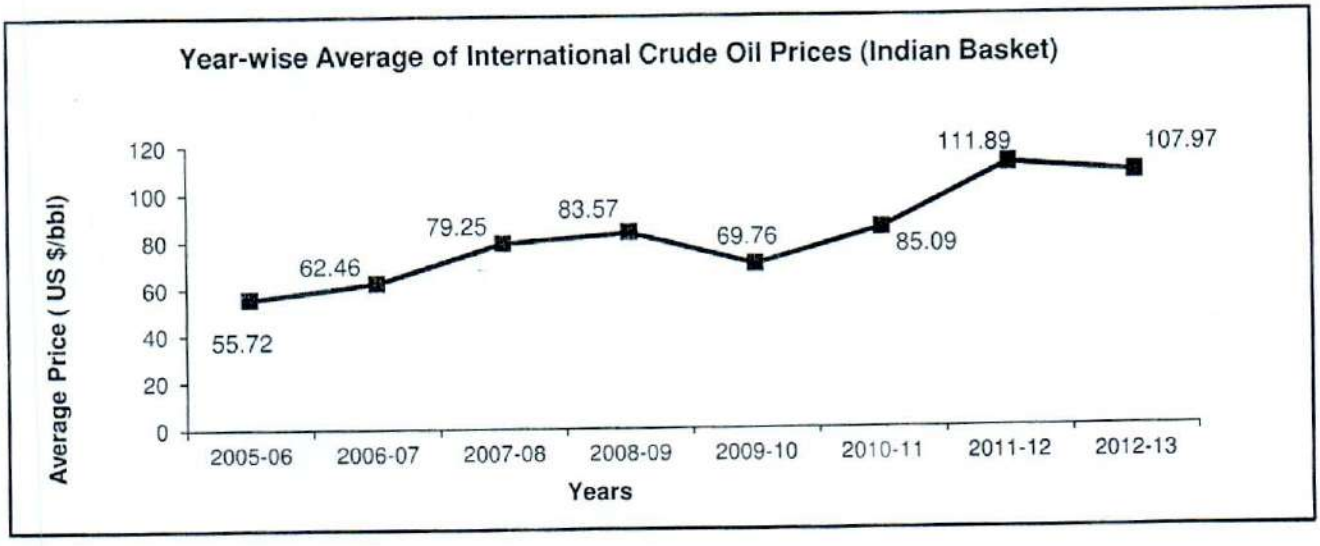
(Indian Basket)

(Price in US$/bbl)

Year/Month	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	% Growth*
1	2	3	4	5	6	7	8	9	10
April	49.47	67.15	65.52	105.77	50.14	84.13	118.79	117.98	-0.68
May	47.02	67.29	65.74	120.91	58.00	76.11	110.70	108.05	-2.39
June	52.75	66.80	68.19	129.72	69.12	74.36	109.99	94.51	-14.07
July	55.05	71.36	72.69	132.47	64.83	73.54	112.53	100.34	-10.83
August	60.05	70.84	69.03	113.05	71.98	75.13	106.94	110.07	2.93
September	59.74	61.04	74.83	96.81	67.70	76.09	108.79	111.77	2.74
October	56.28	57.27	79.33	69.12	73.07	81.11	106.11	109.79	3.47
November	53.14	57.8	89.11	50.91	77.39	84.26	109.62	107.87	-1.60
December	55.05	60.35	87.92	40.61	75.02	89.78	107.20	107.28	0.07
January	60.54	52.53	89.52	44.02	76.61	93.87	110.47	109.55	-0.83
February	58.95	56.53	92.37	43.22	73.65	101.16	117.67	112.68	-4.24
March	60.01	60.25	99.76	46.02	78.02	110.72	123.61	106.45	-13.88
Year Average	55.72	62.46	79.25	83.57	69.76	85.09	111.89	107.97	-3.50

*: % Growth during 2012-13 as compared to 2011-12

Source: Petroleum Planning & Analysis Cell



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

(Prices in US $/bbl & LPG US$/MT)

Period	Crude Oil (Indian Basket)	Petrol	Diesel	Kerosene	LPG
1	2	3	4	5	6
2005-06	55.72	64.51	64.7	69.43	481.04
2006-07	62.46	72.62	74.12	77.03	499.67
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	887.08

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 & Diesel (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.

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
2005-06	Offshore crude	11811	1259	1945	563
	Onshore crude	7372	2818	1954	490
	Offshore and Onshore crude	10174	1834	1948	536
2006-07	Offshore crude	17856	1814	2601	824
	Onshore crude	14504	3110	2601	812
	Offshore and Onshore crude	16725	2251	2601	820
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

Notes:

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

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 produciton 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

gures in Rs./'ooo' cubic met

Effective Date	Consumer Prices		Transporta-tion charges along HVJ pipeline	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	8
01.01.2005	2850	1700	1150	2143	1700	1900	10000
01.04.2005	2850	1700	1150	2384	1700	1900	10000
01.07.2005	3200	1920	1150	3168	1920	3168	10000
01.10.2005	3200	1920	1150	3137	1920	3137	10000
01.01.2006	3200	1920	1150	3118	1920	3118	10000
01.04.2006	3200	1920	1150	3200	1920	3200	10000
01.04.2007	3200	1920	1150	3200	1920	3200	10000
01.04.2008	3200	1920	1150	3200	1920	3200	10000
01.04.2009	3200	1920	1069	3200	1920	3200	10000
01.04.2010	3200	1920	1069	3200	1920	3200	10000
01.04.2011	7499	4499	1010*	7498	7498	7499	10000
01.04.2012	8387	5032	1010*	8387	8387	8387	10000
01.04.2013	9067	5440	NA	9067	9067	9067	10000

Notes:

1 The consumer prices are exclusive of Royalty, Sales Tax and other Statutory Levies & Producer prices are exclusive of Royalty.

2. MoP&NG vide prder dated 03Jun'10 has lllfixed the privce of APM natural gas produced by National Oil Companies (NOCs) at US$ 4.2 /mmbtu less royality. Above price is effe3ctive for City Gas Distribution (CGD) entities from 08Jun'10 and for all other customers from 01Jun'10. Price in Rs./MSCM shall be calculated based on above prices in US$/mmbtu and previous month's average RBI referance rate.

3. W.e.f 6.6.2006 MoP&NG has revised the price of Natural Gas having allocation upto 0.05 MMSCMD & city gas distribution projectsvide order dated 5.6.2006. The revised price is Rs 3840/MSCM.

4. As per the Govt. order dated 03Jun'10, the difgference of APM gas cunsumer price in other than North East and in North East would be paid to ONGC through Government Budget.

Source: Petroleum Planning & Analysis Cell.

IV.4 Subsidies provided under Budget of Government of India

Sector	Actuals 2005-06	Actuals 2006-07	Actuals 2007-08	Actuals 2008-09	Actuals 2009-10	Actuals 2010-11	Actuals 2011-12	Budget 2012-13	Revised 2012-13	Budget 2013-14
1	2	3	4	5	6	7	8	9	10	11
					(Rs. in Crore)					
1. Food Subsidy	23077	24014	31328	43751	58443	63844	72822	75000	85000	90000
2. Fertilisers										
(i) Indigenous (Urea) Fertilisers	10653	12650	12950	17969	17580	15081	20208	19000	20000	21000
(ii) Imported (Urea) Fertilisers	1211	3274	6606	10079	4603	6454	13716	13398	15398	15545
(iii) Sale of decontrolled fertiliser with concession to Farmers	6596	10298	12934	48555	39081	40767	36089	28576	30576	29427
Total Fertiliser Subsidy	**18460**	**26222**	**32490**	**76603**	**61264**	**62301.21**	**70012.7**	**60974.1**	**65974.1**	**65971.5**
3. Petroleum Subsidy	***2683***	***2724***	***2820***	***2852***	**14951**	**38371**	**68484**	**43580**	**96880**	**65000**
4. Interest Subsidies	2177	2809	2311	3493	2686	4680	5049	7968	7416	8061
5.Grants to NAFED for MIS/PPS	260	560	860	375						
5. Other Subsidies	865	821	1117	2634	4006	4223	1573	2493	2385	2051
Total Subsidies	**47522**	**57150**	**70926**	**129708**	**141350**	**173420**	**217941**	**190015**	**257654**	**231084**
					(in Percentages)					
1. Food Subsidy	**48.56**	**42.02**	**44.17**	**33.73**	**41.35**	**36.81**	**33.41**	**39.47**	**32.99**	**38.95**
2. Fertilisers										
(i) Indigenous (Urea) Fertilisers	22.42	22.13	18.26	13.85	12.44	8.70	9.27	10.00	7.76	9.09
(ii) Imported (Urea) Fertilisers	2.55	5.73	9.31	7.77	3.26	3.72	6.29	7.05	5.98	6.73
(iii) Sale of decontrolled fertiliser with concession to Farmers	13.88	18.02	18.24	37.43	27.65	23.51	16.56	15.04	11.87	12.73
Total Fertiliser Subsidy	**38.85**	**45.88**	**45.81**	**59.06**	**43.34**	**35.93**	**32.12**	**32.09**	**25.61**	**28.55**
3. Petroleum Subsidy	**5.65**	**4.77**	**3.98**	**2.20**	**10.58**	**22.13**	**31.42**	**22.94**	**37.60**	**28.13**
4. Interest Subsidies	4.58	4.92	3.26	2.69	1.90	2.70	2.32	4.19	2.88	3.49
5. Other Subsidies	1.82	1.44	1.57	2.03	2.83	2.44	0.72	1.31	0.93	0.89
Total	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**

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

Souces: Expenditure Budget 2013-14 (Vol.-I)

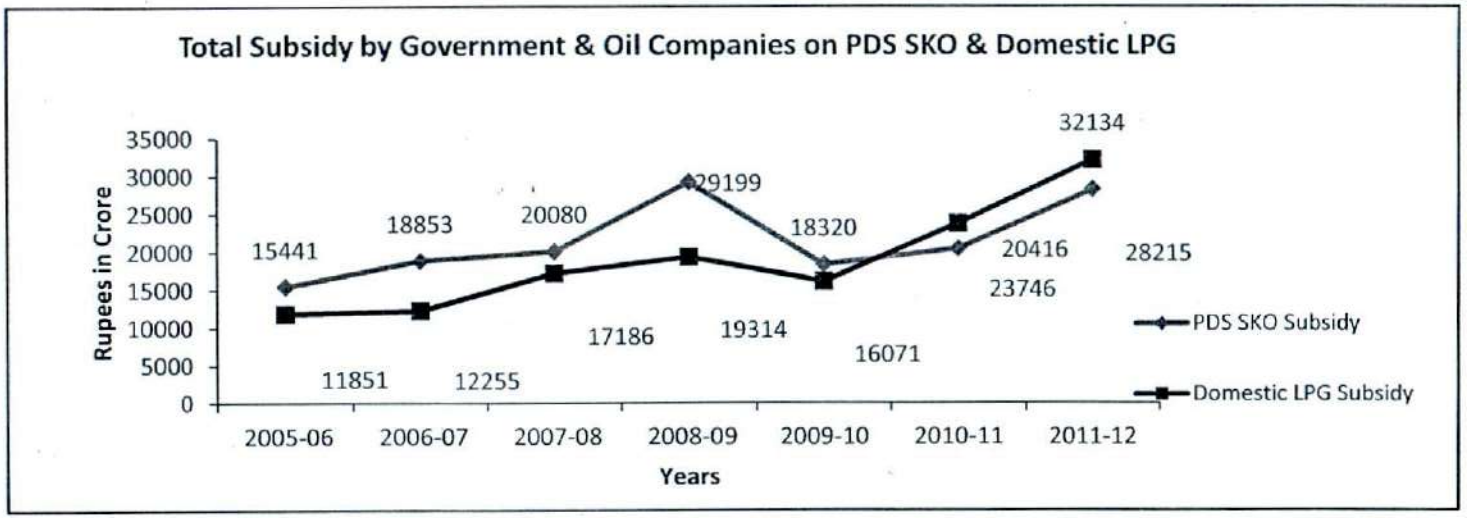
IV.5 (a) Subsidy Provided by the Government and Oil Companies on PDS SKO & Domestic LPG

(Rs. in 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
2005-06	1057	14384	15441	1605	10246	11851	27292
2006-07	970	17883	18853	1554	10701	12255	31108
2007-08	978	19102	20080	1663	15523	17186	37266
2008-09	974	28225	29199	1714	17600	19314	48513
2009-10	956	17364	18320	1814	14257	16071	34391
2010-11	931	19485	20416	1974	21772	23746	44162
2011-12	863	27352	28215	2137	29997	32134	60349
2012-13*	741	29410	30151	1989	39558	41547	71698

Source: Budget document and Petroleum Planning & Analysis Cell

* Subsidy on PDS SKO and Domestic LPG (Under Scheme 2002)



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

(Figures in Rs. Crore)

Products	Under-Recovery							
	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
PDS SKO	14,384	17,883	19,102	28,225	17,364	19485	27352	29,410
Dom. LPG ^	10,246	10,701	15,523	17,600	14,257	21772	29997	39,558
Petrol	2,723	2,027	7,332	5,181	5,151	2227**	**	**
Diesel #	12,647	18,776	35,166	52,286	9,279	34706	81192	92,061
Total	**40,000**	**49,387**	**77,123**	**1,03,292**	**46,051**	**78190**	**138541**	**161029**

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

^:Effective 13.09.2012/ 18.01.2013, the Govt. has taken decision to restrict the supply of subsidized LPG cyliners to each consumer to 9 cylinders annually.

#: Effective 18.01.2013, the Govt. has taken decision to sold Diesel to all cunsumers taking bulk supplies directly from the installations of OMCS at the non-subsidiezed market determined price.

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

(Figures in Rs. Crore)

Items	Under-Recovery & Burden Sharing							
	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
Total Under Recovery	40,000	49,387	77,123	1,03,292	46,051	78,190	1,38,541	1,61,029
Burden Sharing Through								
Oil Bonds/ Cash Subsidy #	11,500	24,121	35,290	71,292	26000	41000	83500	100000
Borne by OMCs	14,500	4,759	16125	0	5621	6893	41	1029
Upstream Companies **	14,000	20,507	25708	32000	14430	30297	55000	60000

**: Oil, ONGC &.GAIL

: 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 01.04.2013

	Delhi	Kolkata	Mumbai	Chennai
Liquefied Petroleum Gas (Domestic) (Rs./14.2 Kg Cyl)				
Current ESPP	290.55	290.55	290.55	290.55
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	15.34	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**	**377.78**	**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**	**377.78**	**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**	**387.78**	**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	11.63	0.00
Surcharge on ST/Toll Tax	0.00	0.00	0.00	0.00
Billable rate	**373.41**	**375.27**	**399.41**	**360.72**
Sub Total	**373.41**	**375.27**	**399.41**	**360.72**
Price to Dealer (14.2kg/cyl)	373.41	375.27	399.41	360.72
Distributor commission	37.25	37.25	37.25	37.25
Price after Distributor Commission	**410.66**	**412.52**	**436.66**	**397.97**
VAT %	0.00	0.00	3.00	0.00
VAT Amount	0.00	0.00	1.12	0.00
RSP for 14.2kg/cyl	410.66	412.52	437.78	397.97
RSP Rounded off	**410.50**	**412.50**	**437.50**	**398.00**
Motor Spirit (Rs./Kl)				
Revised ESPP	45369.13	45369.13	45369.13	45369.13
State surcharge	0.00	3009.00	1671.00	49.00
BMC Surcharge	0.00	0.00	859.00	0.00
Siding Charge	43.99	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)
T/L W/L adj	10.68	17.34	0.00	0.00
Assessable value	**45556.12**	**48735.35**	**47886.48**	**45239.63**
Basic Excise Duty	0.00	0.00	0.00	0.00
Sub Total	**45556.12**	**48735.35**	**47886.48**	**45239.63**
FDZ charges	105.00	105.00	105.00	105.00
T/L W/L adj	(10.68)	(17.34)	0.00	0.00
ED+EDN Cess	9476.00	9476.00	9476.00	9476.00
Sub Total	**55126.44**	**58299.01**	**57467.48**	**54820.63**
Delivery charges beyond FDZ	0.00	73.80	0.00	0.00
Toll Tax	0.00	16.00	0.00	0.00
RPO Price	**55126.44**	**58388.81**	**57467.48**	**54820.63**
Sales Tax Rate	**20.00%**	**25.00%**	**26.00%**	**27.00%**
Sales Tax	11384.09	14597.20	14941.54	14801.57
Surcharge on ST	0.00	1000.00	1000.00	0.00
Dealer Commission	1794.00	1794.00	1794.00	1794.00
Retail Selling Price Rs./Kl	**68304.53**	**75780.01**	**75203.02**	**71416.20**
Retail Selling Price Rs./Ltr	**68.30**	**75.78**	**75.20**	**71.42**

ESPP: Ex-Storage Point Price

Cont'd....

IV.6 Price Build-up of Selected Petroleum Products in Major Cities
(As on 01.04.2013)

	Delhi	Kolkata	Mumbai	Chennai
	High Speed Diesel (Rs./Kl)			
Revised Storage Point Price	38046.64	38046.64	38046.64	38046.64
State surcharge	0.00	1549.00	1313.00	0.00
BMC surcharge	0.00	0.00	299.00	0.00
Siding Charge w.e.f. 19.7.07	47.10	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	**38217.69**	**39877.24**	**39702.24**	**38071.43**
Basic Excise Duty	0.00	0.00	0.00	0.00
Sub Total	**38217.69**	**39877.24**	**39702.24**	**38071.43**
FDZ charges	105.00	105.00	105.00	105.00
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	**41886.49**	**43546.04**	**43371.04**	**41740.23**
Delivery charges beyond FDZ	0.00	73.80	0.00	0.00
Octroi at destination	0.00	16.00	0.00	0.00
RPO Price	**41886.49**	**43635.84**	**43371.04**	**41740.23**
Pollution Cess w.e.f. 8.2.08	250.00	0.00	0.00	0.00
Sales Tax	5403.19	7128.09	10409.05	8944.93
Surcharge on ST	0.00	1000.00	0.00	0.00
Dealer Commission	1089.00	1089.00	1089.00	1089.00
Retail Selling Price Rs./Kl	**48628.68**	**52852.93**	**54869.09**	**51774.16**
Retail Selling Price Rs./Ltr	**48.63**	**52.85**	**54.87**	**51.77**
	Superior Kerosene Oil(Rs./Kl)			
Revised Ex-storage point price	12822.00	12822.00	12822.00	12822.00
State surcharge	0.00	0.00	429.00	1395.00
BMC surcharge	0.00	0.00	62.00	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	(1858.00)
Assessable value	**12952.49**	**12841.37**	**13313.00**	**12359.00**
Entry tax amount / TN rebate	0.00	0.00	0.00	0.00
Sales Tax	647.62	0.00	399.39	617.95
Wholesales Margin	438.24	275.00	438.24	170.00
Wholesalers Extra Ordinary Margin	0.00	0.00	19.50	0.00
Transport charges	675.23	458.30	254.10	119.17
VAT on wholesale margin	55.67	0.00	21.56	8.50
Leakage and other Expenses	0.00	128.41	6.71	0.00
Rounding Up	0.00	0.00	0.00	0.00
Wholesales Price/Kl	**14769.25**	**13703.08**	**14452.50**	**13274.62**
Retailers Margin	179.00	313.00	231.00	360.00
Handling Charges	0.00	524.06	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	18.00
Retail Extraordinary Commission	0.00	0.00	19.00	0.00
Retail Selling Price Rs./Kl	**14957.20**	**14835.32**	**14710.00**	**13692.62**
Retail Selling Price Rs./Ltr	**14.96**	**14.84**	**14.71**	**13.69**

IV.6 Price Build-up of Selected Petroleum Products in Major Cities (As on 01.04.2013)

	Delhi	Kolkata	Mumbai	Chennai
	ATF (Domestic Airlines)*			
Basic price	4579.00	46390.00	45900.00	46200.00
Inland differential	570.00	0.00	0.00	0.00
State surcharge	924.00	3745.00	1035.00	924.00
Freight	425.23	863.30	100.00	257.82
Siding charges	25.26	0.00	0.00	0.00
Marketing cost	2950.34	5021.23	3190.00	3894.39
MSL cost	279.00	279.00	279.00	279.00
Assessable value	**50963.83**	**56298.53**	**50504.00**	**51555.21**
Excise Duty	8.00	8.00	8.00	8.00
Excise Duty	4077.11	4503.88	4040.32	4124.42
Education Cess @3% on ED	122.31	135.12	121.21	123.73
Toll Tax	0.00	0.00	0.00	0.00
Posted Airfield Price per KL	**55163.25**	**60937.53**	**54665.53**	**55803.36**
	Furnace Oil (Rs./Kl)			
Ex-storage point price		38560.00	37710.00	38270.00
State surcharge		1141.00	1279.00	1141.00
Notional railway freight		488.39	0.00	0.00
Siding / shunting charges		80.00	0.00	0.00
Assessable value		**40269.39**	**38989.00**	**39411.00**
Excise duty + edu cess		5806.85	5622.21	5683.07
Total inclusive of excise duty + edu cess		**46076.24**	**44611.21**	**45094.07**
Sales tax		2303.81	5576.40	2254.70
Total		**48380.05**	**50187.61**	**47348.77**
	Light Diesel Oil (Rs./Kl)			
Ex-storage point price	47480.00	47480.00	47480.00	47480.00
State surcharge	1015.00	1851.00	1138.00	1015.00
Notional railway freight	356.91	1713.57	0.00	0.00
Siding Dest.	52.75	50.00	0.00	0.00
Assessable value	**48904.66**	**51094.57**	**48618.00**	**48495.00**
Excise duty + edu cess	7052.05	7367.84	7010.72	6992.98
Additional levy alongwith cess	2575.00	2575.00	2575.00	2575.00
Total inclusive of excise duty + edu cess	**58531.71**	**61037.41**	**58203.72**	**58062.98**
Sales tax	7316.46	10376.36	7275.46	14515.74
Discount on Sales Tax	0.00	0.00	0.00	0.00
State Development Tax	250.00	0.00	0.00	0.00
Total	**66098.17**	**71413.77**	**65479.18**	**72578.72**

Source: IOCL Price Build-up

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)			
01.04.2005	37.99	40.89	43.23	41.25
01.04.2006	43.49	46.90	49.16	47.49
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
	High Speed Diesel Oil (Rs./Litre)			
01.04.2005	28.22	28.72	32.83	29.30
01.04.2006	30.45	32.87	37.57	33.72
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
	Superior Kerosene Oil (Rs./Litre)*			
01.04.2005	9.02	9.26	9.28	8.39
01.04.2006	9.05	9.30	9.05	8.39
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
	Liquefied Petroleum Gas (Rs./14.2 Kg Cylinder)			
01.04.2004	241.60	266.70	251.00	248.55
01.04.2005	294.75	300.50	297.95	288.15
01.04.2006	294.75	300.50	297.95	288.15
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

*: Prices for Public Distribution System.

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

Effective	MS	HSD	LPG (Packed Domestic)	
			14.2 Kg	5Kg
	(Rs/Kilolitre)		(Rs./Cylinder)	
1	2	3	4	5
21.06.2005	778	467	16.71	8.60
01.08.2005	848	509	16.71	8.60
01.03.2007	894	529	19.05	9.81
16.05.2007	1024	600	19.05	9.81
23.05.2008	1052	631	20.54	10.58
27.10.2009	1125	673	21.94	11.30
07.09.2010	1218	757	21.94	11.30
01.07.2011	1499	912	25.83	13.30
01.04.2013	1797	1089	37.25	18.63

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

Source: Petroleum Planning and Analysis Cell.

Consumption

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

(Calender Year)

(Qty: '000' Tonnes)

	Products	2005	2006	2007	2008	2009	2010	2011	2012*	% to Total	Change % 2012/11
	1	2	3	4	5	6	7	8	9	10	11
1	**Light Distillates**	**24421**	**24318**	**26344**	**28239**	**28835**	**31150**	**34057**	**36320**	**23.5**	**6.6**
	LPG	9980	10279	11228	11860	12402	13592	14762	15255	**9.9**	**3.3**
	Mogas	8272	8594	9561	10821	11964	13642	14442	15279	**9.9**	**5.8**
	Naphtha	5566	4758	5049	5184	3904	3292	4196	4825	**3.1**	**15.0**
	Others	603	687	506	374	565	624	657	961	**0.6**	**46.3**
2	**Middle Distillates**	**50449**	**53844**	**59080**	**65627**	**68541**	**72361**	**77752**	**82237**	**53.2**	**5.8**
	SKO	9472	9414	9372	9313	9345	9000	8434	7655	**4.9**	**-9.2**
	ATF	3126	3830	4398	4492	4587	4821	5324	5135	**3.3**	**-3.6**
	HSDO	36467	39414	44112	50796	53585	57608	63062	68582	**44.3**	**8.8**
	LDO	890	742	671	611	528	439	442	392	**0.3**	**-11.3**
	Others	494	444	526	415	495	493	490	473	**0.3**	**-3.5**
3	**Heavy Ends**	**17650**	**17036**	**18717**	**18531**	**18394**	**16716**	**16321**	**14940**	**9.7**	**-8.5**
	Furnace Oil	8375	8076	8288	7940	8164	7768	6624	5460	**3.5**	**-17.6**
	LSHS	4134	3414	3306	3241	2739	2040	1849	1541	**1.0**	**-16.7**
	Lubes/Greases	886	887	1057	1022	1192	1210	1200	1209	**0.8**	**0.8**
	Bitumen/Asphalt	3365	3685	4308	4487	4458	3963	4325	4297	**2.8**	**-0.7**
	Petroleum Coke	509	485	1150	1174	1236	1146	1640	1740	**1.1**	**6.1**
	Wax	74	74	70	67	68	69	65	56	**0.0**	**-13.9**
	Others	307	415	538	600	537	520	618	637	**0.4**	**3.0**
4	**Total (PSUs)**	**92520**	**95198**	**104141**	**112397**	**115771**	**120227**	**128130**	**133497**	**86.3**	**4.2**
5	**Pvt. Cons.**	**17943**	**14468**	**22048**	**20159**	**21652**	**19462**	18009	21212	**13.7**	**17.8**
6	**Total**	**110463**	**109666**	**126189**	**132556**	**137423**	**139689**	**146139**	**154709**	**100.0**	**5.9**
	%age growth	-1.0	-0.7	15.1	5.0	3.7	1.6	4.6	5.9		

Notes:

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

@ :Private Consumption in the year 2007,08,09,10,11 &12 includes Private Imports also.

Source: Petroleum Planning & Analysis Cell.

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

(Financial Year)

(000' Tonne)

	Products	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13*	% Growth 2012-13/ 2011-12
	1	2	3	4	5	6	7	8	9	10
1	**Light Distillates**	**33662**	**37075**	**38557**	**39878**	**38995**	**41443**	**43870**	**46351**	**5.7**
	of which									
	LPG	10456	10849	12165	12344	13135	14331	15350	15605	**1.7**
	Motor Spirit	8647	9285	10332	11258	12818	14194	14992	15744	**5.0**
	Naphtha+NGL	12194	13886	13294	13911	10134	10676	11222	12342	**10.0**
	Others	2365	3055	2766	2365	2908	2242	2306	2660	**15.3**
2	**Middle Distillates**	**54423**	**57595**	**62823**	**66378**	**71120**	**75029**	**79415**	**82795**	**4.3**
	of which									
	SKO	9541	9505	9365	9303	9304	8928	8229	7502	**-8.8**
	ATF	3296	3983	4543	4423	4627	5078	5536	5270	**-4.8**
	HSDO	40191	42896	47669	51710	56242	60071	64750	69174	**6.8**
	LDO	883	720	667	552	457	455	415	399	**-3.8**
	Others	512	491	579	390	490	497	485	450	**-7.3**
3	**Heavy Ends**	**25129**	**26078**	**27568**	**27343**	**27693**	**24568**	**24847**	**27382**	**10.2**
	of which									
	Furnace Oil	8921	9257	9469	9419	9145	8807	7548	6317	**-16.3**
	LSHS	3907	3361	3248	3169	2484	1982	1759	1366	**-22.3**
	Lubes/Greases	2081	1900	2290	2000	2539	2429	2633	2685	**2.0**
	Bitumen	3508	3833	4506	4747	4934	4536	4638	4658	**0.4**
	Petroleum Coke	4928	5441	5950	6166	6586	4982	6138	9947	**62.1**
	Paraffin Wax	268	303	241	203	211	198	211	228	**8.2**
	Other Waxes	105	64	65	65	78	56	58	79	**35.4**
	Others	1411	1919	1799	1574	1716	1578	1863	2103	**12.9**
	TOTAL	**113214**	**120748**	**128948**	**133599**	**137808**	**141040**	**148132**	**156528**	**5.7**
	% age growth	**1.4**	**6.7**	**6.8**	**3.6**	**3.2**	**2.3**	**5.0**	**5.7**	

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

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

LSHS sales by pvt. Parties included in FO

Source: Petroleum Planning & Analysis Cell.

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

(000' Tonnes)

Products	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13*	% Change 2012-13/ 2011-12
1	2	3	4	5	6	7	8	9	10
A. PUBLIC SECTOR									
1 Light Distillates	**24008**	**25350**	**26695**	**28943**	**29068**	**32154**	**34441**	**36916**	**7.2**
LPG	9976	10530	11482	11927	12740	13901	14929	15202	1.8
Motor Spirit	8254	8803	9875	11169	12603	13895	14724	15458	5.0
Naphtha+NGL	5155	5327	4912	5471	3106	3704	4139	5197	25.6
Others	623	690	425	376	618	654	650	1059	62.9
2 Middle Distillates	**50281**	**55189**	**61536**	**65936**	**69797**	**73606**	**79160**	**82464**	**4.2**
SKO	9373	9412	9365	9303	9304	8928	8229	7502	-8.8
ATF	3295	3982	4522	4363	4551	4961	5369	5089	-5.2
HSDO	36308	40617	46443	51328	54994	58765	64662	69025	6.7
LDO	834	720	667	552	457	455	415	399	-3.8
Others	471	458	539	390	490	497	485	450	-7.3
3 Heavy Ends	**17413**	**17401**	**18912**	**18615**	**17913**	**16734**	**15931**	**14719**	**-7.6**
Furnace Oil	8221	8186	8247	8004	7981	7713	6191	5250	-15.2
LSHS	3907	3361	3248	3169	2484	1982	1759	1366	-22.3
Lubes/Greases	892	878	1129	1015	1239	1216	1206	1222	1.3
Bitumen/Asphalt	3485	3818	4471	4516	4342	4067	4322	4372	1.1
Petroleum Coke	496	645	1198	1224	1273	1147	1757	1808	2.9
Paraffin Wax	55	67	80	65	62	69	61	54	-11.2
Other Waxes	19	0	0	0	0	0	0	0	0.0
Others	277	446	539	623	532	540	635	647	1.8
Total (A) (Excl. RBF)	**91702**	**97940**	**107142**	**113493**	**116777**	**122494**	**129532**	**134098**	**3.5**
B. PRIVATE SECTOR									
1 Light Distillates	**9654**	**11726**	**11862**	**10935**	**10156**	**9289**	**9429**	**9434**	**0.1**
LPG	480	319	683	418	395	430	421	403	-4.3
Motor Spirit	393	482	456	89	216	299	268	286	6.5
Naphtha / NGL	7039	8559	8382	8439	7029	6972	7083	7144	0.9
Others	1742	2366	2341	1989	2516	1588	1656	1601	-3.3
2 Middle Distillates	**4141**	**2406**	**1287**	**443**	**1324**	**1423**	**255**	**331**	**29.7**
SKO	168	93	0	0	0	0	0	0	0.0
ATF	1	1	21	60	76	117	167	182	8.8
HSDO	3883	2279	1226	383	1248	1306	88	150	69.4
LDO	49	0	0	0	0	0	0	0	0.0
Others	40	33	41	0	0	0	0	0	0.0
3 Heavy Ends	**7716**	**8677**	**8656**	**8728**	**9551**	**7834**	**8917**	**12665**	**42.0**
Furnace Oil / LSHS	700	1071	1222	1415	1164	1094	1357	1068	-21.3
Lubes/Greases	1189	1022	1161	986	1300	1213	1427	1463	2.5
Bitumen	23	14	35	231	592	469	316	286	-9.5
Petroleum Coke	4432	4796	4752	4942	5313	3835	4381	8140	85.8
Others	1529	934	1486	1155	1182	1223	1436	1708	18.9
Total (B)	21511	22809	21804	20106	21031	18546	**18601**	**22430**	**20.6**
TOTAL (A+B)	**113213**	**120749**	**128946**	**133599**	**137808**	**141040**	**148132**	**156528**	**5.7**

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

Notes: Private Sector data include private imports also.

Source: Petroleum Planning & Analysis Cell.

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

(Qty.'000'Tonnes)

Sector	2007-08		2008-09		2009-10		2010-11		2011-12		2012-13*	
	Consumption	% to Total	Consumption	% to Total	Consumption	% to Total	Consumption	% to Total	Consumption	% to Total	Consumption	% to Total
1	2	3	4	5	6	7	8	9	10	11	12	13
LPG												
1 Domestic Distribution	11173	91.9	10637	93.6	11364	86.6	12369	86.3	13319	86.7	13568	86.9
2 Non-Domestic/	0	0.0	0	0.0	872	6.6	985	6.9	1045	6.8	1168	7.5
3 Transport												
i) Auto LPG	0	0.0	0	0.0	225	1.7	223	1.6	223	1.5	214	1.4
ii) Railways	0	0.0	0	0.0	0	0.0	1	0.0	1	0.0	1	0.0
Total (3)	**0**	0.0	**0**	0.0	**225**	1.7	**224**	1.6	**224**	1.5	**215**	1.4
4 Power Generation	0	0.0	0	0.0	**0**	0.0	**0.1**	**0.0**	**0**	**0.0**	**0**	**0.0**
5 Agriculture Sector	0	0.0	0	0.0	0	0.0	2	0.0	5	0.0	4	0.0
6 Mining	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
7 Manufacturing (Bulk												
i) Chemicals	6.4	0.9	6.4	0.1	8	0.1	8	0.1	20	0.1	11	0.1
ii) Engineering	0.23	0.0	0.23	0.0	1	0.0	1	0.0	1	0.0	2	0.0
iii) Electronics				0.0	10	0.1	14	0.1	11	0.1	10	0.1
iv) Mechanical				0.0	11	0.1	15	0.1	23	0.1	19	0.1
v) Metallurgical	67.4	0.6	67.4	0.6	83	0.6	93	0.6	97	0.6	78	0.5
vi) Textiles	0	0.0	0	0.0	3	0.0	3	0.0	2	0.0	2	0.0
vii) Consumer &	18.4	0.2	18.4	0.2	27	0.2	31	0.2	32	0.2	23	0.1
Sub Total	**92.43**	0.8	**92.43**	0.8	**143**	1.1	**165**	1.2	**186**	1.2	**145**	0.9
8 Miscellaneous	222.7	1.8	222.7	2.0	137	1.0	156	1.1	150	1.0	102	0.7
Total PSU	11488	94.4	10953	96.4	12741	97.1	13901	97.0	14929	97.2	15202	97.4
9 **Pvt. Imports**	**676**	5.6	**409**	3.6	**381**	2.9	**430**	3.0	**429**	2.8	**403**	2.6
TOTAL	12164	100.0	11362	100.0	13122	100.0	14331	100.0	15358	100.0	15605	100.0
SKO (Kerosene)												
1 Domestic	9163	97.8	9131	98.2	9101	97.8	8722	97.7	8045	97.8	7349	98.0
2 Commercial/Industry	185	2.0	43	0.5	69	0.7	67	0.8	61	0.7	37	0.5
3 Others	17	0.2	128	1.4	134	1.4	139	1.6	123	1.5	115	1.5
Total PSU	9365	100.0	9302	100.0	9304	100.0	8928	100.0	8229	100.0	7501	100.0
4 **Pvt. Party sales**	**0**	0.0	**0**	0.0	**0**	0.0	**0**	0.0	**0**	0.0	**0**	0.0
TOTAL	**9365**	100.0	**9302**	100.0	**9304**	100.0	**8928**	100.0	**8229**	100.0	**7501**	100.0
NAPHTHA												
1 Fertilizers Sector	1689	12.7	1803	13.0	844	8.2	892	8.4	962	8.7	898	7.3
2 Petrochemicals Sector	6048	45.5	1328	9.5	591	5.8	789	7.4	8141	73.3	9412	76.3
3 Power Sector	753	5.7	1147	8.2	639	6.2	419	3.9	187	1.7	342	2.8
4 Steel Plants	54	0.4	71	0.5	3	0.0	0.01	0.0	0.19	0.0	0	0.0
5 Others	332	2.5	5255	37.8	6937	67.8	6866	64.3	164	1.5	203	1.6
Total PSU	**8876**	66.8	**9604**	69.0	**9014**	88.0	**8966**	84.0	**9454**	85.1	**10855**	88.0
6 **Pvt. Imports**	**4417**	33.2	**4307**	31.0	**1225**	12.0	**1710**	16.0	**1651**	14.9	**1487**	12.0
TOTAL	**13294**	100.0	**13911**	100.0	**10239**	100.0	**10676**	100.0	**11105**	100.0	**12342**	100.0

contd...

* : Provisional

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

(Qty.'000'Tonnes)

Sector	2007-08		2008-09		2009-10		2010-11		2011-12		2012-13*	
	Consum ption	% to Total	Consum ption	% to Total	Consu mption	% to Total	Consum ption	% to Total	Consum ption	% to Total	Consum ption	% to Total
1	2	3	4	5	6	7	8	9	10	11	12	13
					HSDO							
1. TRANSPORT												
i) Road Transport	399.0	0.8	2379.0	4.6	2434.0	4.3	2483	4.1	2558	4.0	2207	3.2
ii) Aviation	1	0.0	2	0.0	2	0.0	1.0	0.0	1.0	0.0	1.0	0.0
iii) Shipping	142	0.3	745	1.4	668	1.2	561.0	0.9	540.0	0.8	413.0	0.6
iv) Railways	351	0.7	2166	4.2	2261	4.0	2371.0	3.9	2429.0	3.8	2538.0	3.7
Sub total (1)	**893.0**	1.9	**5292.0**	10.2	**5365.0**	9.5	**5416.0**	9.0	**5528.0**	8.5	**5159.0**	7.5
2. Agriculture		0.0										
i) Sugar Mills		0.0		0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ii)Agriculture	209.0	0.4	490.0	0.9	594.0	1.1	616.0	1.0	684.0	1.1	617.0	0.9
Sub total (2)	**209.0**	0.4	**490.0**	0.9	**594.0**	1.1	**616.0**	1.0	**684.0**	1.1	**617.0**	0.9
3. Power Generation	**98.0**	0.2	**336.0**	0.6	**303.0**	0.5	**166.0**	0.3	**168.0**	0.3	**214.0**	0.3
4. Mining & Quarrying	**369**	0.8	**1025**	2.0	**1248**	2.2	**1366.0**	2.3	**1181.0**	1.8	**1073.0**	1.6
5. Manufacture Industry		0.0										
i) Iron & Steel(Metallur.)	87	0.2	217		231		255.0	0.4	311.0	0.5	289.0	0.4
ii) Textile	41	0.1	92	0.2	172	0.3	188.0	0.3	156.0	0.2	242.0	0.3
iii) Cement		0.0		0.0	0	0.0		0.0		0.0	0.0	0.0
iv) Ceremic & Glass		0.0		0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
v) Chemicals & Allied	58	0.1	117	0.2	175	0.3	143.0	0.2	163.0	0.3	192.0	0.3
vi) Aluminium		0.0	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Civil Engineering	153	0.3	600	1.2	614	1.1	568.0	0.9	645.0	1.0	529.0	0.8
vii) (Elec./Elecronics)	21	0.0	26	0.1	37	0.1	35.0	0.1	39.0	0.1	54.0	0.1
Mechanical	54	0.1	97	0.2	113		106.0	0.2	200.0	0.3	138.0	0.2
viii) Fertilizers		0.0	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ix)Other Consumer & Indus.)	61.0	0.1	160.0	0.3	161.0	0.3	145.0	0.2	135.0	0.2	184.0	0.3
Sub total (5)	**475.0**	1.0	**1309.0**	2.5	**1503.0**	2.7	**1440.0**	2.4	**1649.0**	2.5	**1628.0**	2.4
6. Misc. Services												
(including retails)	**45490**	95.4	**43196**	83.5	**47057**	83.7	**50874.0**	84.7	**55478.0**	85.7	**60341.0**	87.2
Total PSU)	**47534.0**	99.7	**51648.0**	99.9	**56070.0**	99.7	**59878.0**	99.7	**64688.0**	99.9	**69032.0**	99.8
7. Private Imports	**134**	0.3	**62.0**	0.1	**172.0**	0.3	**193.0**	0.3	**62.0**	0.1	**141.0**	0.2
Total	**47668.0**	100.0	**51710.0**	100.0	**56242**	100.0	**60071.0**	100.0	**64750.0**	100.0	**69173.0**	100.0

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

(Qty.'000'Tonnes)

Sector	2007-08		2008-09		2009-10		2010-11		2011-12		2012-13*	
	Consumption	% to Total	Consumption	% to Total	Consumption	% to Total	Consumption	% to Total	Consumption	% to Total	Consumption	% to Total
1	2	3	4	5	6	7	8	9	10	11	12	13
					LDO							
1. TRANSPORT												
i) Road Transport				0.0	0	0.0	0	0.0	0.01	0.0	0	0.0
ii) Shipping	33.2	5.0	13	2.4	4.5	1.0	3.8	0.8	2	0.5	2.2	0.6
iii) Railways	2.3	0.3	2.1	0.4	1.8	0.4	1.1	0.2	1	0.2	0.9	0.2
Sub total (1)	35.5	5.3	15.1	2.7	**6.3**	1.4	4.9	1.1	3.01	0.7	3.1	0.8
2. Agriculture												
i) Agriculture	3.4	0.5	4.3	0.8	2.8	0.6	1.8	0.4	1	0.2	1.3	0.3
ii)Sugar Mills		0.0		0.0	0	0.0	0	0.0	0	0.0	0	0.0
Sub total (2)	3.4	0.5	4.3	0.8	2.8	0.6	1.8	0.4	1	0.2	1.3	0.3
3. Power Generation	77.2	11.6	174.5	31.6	**152**	33.2	136.9	30.1	127	30.6	142.4	35.7
4. Mining & Quarrying	1.5	0.2	5	0.9	**1.8**	0.4	2.8	0.6	2	0.5	2.4	0.6
5. Manufacture Industry												
i) Civil Engineering	34.1	5.1	26.3	4.8	16.3	3.6	11.6	2.5	9	2.2	4.1	1.0
ii) Iron & Steel		0.0	0	0.0		0.0	77.8	17.1	66	15.9	49.7	12.5
Metallurgical	112.9	16.9	91.8	16.6	82.4	18.0						
iii) Textile & Fibre	4.4	0.7	1.4	0.3	1.3	0.3	1.5	0.3	1	0.2	0.9	0.2
iv) Cement		0.0	0	0.0		0.0	0	0.0	0	0.0	0	0.0
v) Ceremic & Glass		0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
vi) Chemicals & Allied	16.5	2.5	16.4	3.0	18.6	4.1	16.4	3.6	12	2.9	10.9	2.7
vii) Aluminium		0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
viii) (Elec./Elecronics)	15.2	2.3	2.1	0.4	0.4	0.1	0.2	0.0	0.1	0.0	0.1	0.0
iX) Mechanical	13.4	2.0	19.7	3.6	18.6	4.1	16.5	3.6	13	3.1	7	1.8
x) Other Consumer/ Industrial Goods)	3.6	0.5	13.8	2.5	5.5	1.2	3.3	0.7	1	0.2	1.3	0.3
Sub total (5)	200.1	30.0	171.5	31.1	143.1	31.3	127.3	28.0	102.1	24.6	74	18.6
6. Misc. (including retails)	349.8	52.4	181.7	32.9	151.6	33.1	181.6	39.9	180	43.4	175.4	44.0
Total PSU	**667.5**	100.0	**552.1**	100.0	**457.6**	100.0	**455.3**	100.0	**415.1**	100.0	**398.6**	100.0
7. Private Imports	**0**	0.0	**0**	0.0	**0**	0.0	**0**	0.0	**0**	0.0	**0**	0.0
Total	**667.5**	100.0	**552.1**	100.0	**457.6**	100.0	**455.3**	100.0	**415.1**	100.0	**398.6**	100.0

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

(Qty.'000'Tonnes)

Sector	2007-08		2008-09		2009-10		2010-11		2011-12		2012-13*	
	Consumption	% to Total	Consumption	% to Total	Consumption	% to Total	Consumption	% to Total	Consumption	% to Total	Consumption	% to Total
1	2	3	4	5	6	7	3	9	10	11	12	13
Furnace Oil (FO)												
11. TRANSPORT												
i) Road Transport	55	0.6	34	0.4			0	0.0	1	0.0	1	0.0
ii) Shipping	260	2.7	431	4.6	557	6.1	776	8.8	367	4.9	273	4.3
iii) Railways		0.0	4	0.0	3	0.0	4	0.0	3	0.0	3	0.0
iv) Other Transport		0.0		0.0	321	3.5	0	0.0	0	0.0	0	0.0
(incl. Agri. Retail Trade)		0.0						0.0		0.0		0.0
Sub total (1)	**315**	3.3	**469**	5.0	**881**	9.6	**780**	8.9	**371**	4.9	**277**	4.4
2Agriculture	**0**	0.0	**55**	0.6		0.0	**70**	0.8	**70**	0.9	**79**	1.3
3Power Generation	**281**	3.0	**749**	8.0	**729**	8.0	**823**	9.3	**647**	8.6	**587**	9.3
4Mining & Quarrying	1	0.0	**35**	0.4	**22**	0.2	**7**	0.1	**45**	0.6	**12**	0.2
5Manufacturing Industry		0.0		0.0		0.0		0.0		0.0		0.0
i) Civil Engineering	5	0.1	141	1.5	1220	13.3	137	1.6	119	1.6	87	1.4
Metallurgical	855	9.0	1040	11.0			1100	12.5	930	12.3	836	13.2
ii) Textile & Fibre	15	0.2	71	0.8	139	1.5	81	0.9	52	0.7	38	0.6
iii) Cement		0.0	0	0.0	159	1.7		0.0		0.0		0.0
iv) Ceremic & Glass		0.0	0	0.0	0	0.0		0.0		0.0		0.0
v) Chemicals & Allied	750	7.9	878	9.3	964	10.5	790	9.0	746	9.9	697	11.0
vi) Aluminium		0.0	0	0.0	0	0.0		0.0		0.0		0.0
vii) Elec./Elecronics		0.0	2	0.0	61	0.7	7	0.1	13	0.2	30	0.5
viii) Mechanical	5	0.1	52	0.6		0.0	55	0.6	38	0.5	22	0.3
iv) Fertilizers		0.0	0	0.0	0	0.0		0.0		0.0		0.0
x) Other Consumer/ Industrial	4	0.0	659	7.0	607	6.6	604	6.9	511	6.8	309	4.9
Sub total (5)	**1634**	17.3	**2843**	30.2	**3150**	34.4	2774	31.5	2409	31.9	2019	32.0
6. Misc. (including retails)	**6400**	67.6	**4356**	46.2	**3864**	42.3	**3979**	45.2	**3375**	44.7	**2708**	42.9
Total (PSU)	**8631**	91.1	**8507**	90.3	**8646**	94.5	**8433**	95.8	**6917**	91.6	**5682**	89.9
sales @	**839**	8.9	**913**	9.7	**499**	5.5	**374**	4.2	**631**	8.4	**635**	10.1
Total	**9470**	100.0	**9420**	100.0	**9145**	100.0	**8807**	100.0	**7548**	100.0	**6317**	100.0

Note: *: Provisional.

Source: PPAC's Oil Industry Sales Statistics

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

(Qty.'000'Tonnes)

Sector	2007-08		2008-09		2009-10		2010-11		2011-12		2012-13*	
	Consumption	% to Total	Consumption	% to Total	Consumption	% to Total	Consumption	% to Total	Consumption	% to Total	Consumption	% to Total
1	2	3	4	5	6	7	8	9	10	11	12	13
					LSHS/HHS							
1. TRANSPORT												
Road Transport	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Shipping	0		0				0	0.0	0	0.0	0	0.0
Railways			0				0	0.0	0	0.0	0	0.0
Sub Total (1)	0		0				0	0.0	0	0.0	0	0.0
2. Agriculture	0	0.0	1	0.0	962	38.7	0	0.0	0	0.0	0	0.0
3. Power Generation	344	10.6	1347	42.5	9	0.4	469	23.7	399	22.7	439	32.1
Mining			0						1	0.1	1	0.1
4. Manufacturing Industry												
(i) Civil Engineering		0.0	1	0.0		0.0	3	0.2	1	0.1	1	0.1
Metallurgical	65		76						84	4.8	62	4.5
i) Iron & Steel		0.0		0.0	69	2.8	72	3.6		0.0		0.0
ii) Textile & Fibre	0	0.0	3	0.1	3	0.1	0	0.0	0	0.0	0	0.0
iii) Cement	0	0.0	0	0.0	7	0.3		0.0		0.0		0.0
iv) Chemicals & Allied	1239	38.1	1197	37.8	1036	41.7	842	42.5	901	51.2	691	50.6
vii) (Elec./Elecronics)	0	0.0	0	0.0	106	4.3	106	5.3	76	4.3	20	1.5
Mechanical	0	0.0	1	0.0		0.0	2	0.1	2	0.1	2	0.1
vi) Fertilizers	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
ix) Other Consumer/	0	0.0	15	0.5	7	0.3	5	0.3	3	0.2	2	0.1
Sub total (4)	**1304**	40.1	**1293**	40.8	**1228**	49.4	**1030**	52.0	**1067**	60.7	**778**	57.0
5. Misc. (Including retails)	1600	49.3	526	16.6	215	8.7	**483**	24.4	**293**	16.7	**149**	10.9
Total (PSU)	3248	100.0	3169	100.0	2484	100.0	1982	100.0	1759	100.0	1366	100.0
6. Private Imports & sales	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total	3248	100.0	3169	100.0	2484	100.0	1982	100.0	1759	100.0	1366	100.0

Note: *: Provisional.

Source: PPAC's Oil Industry Sales Statistics

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

(Qty. ' 000' Tonnes)

Year		IOC	BPCL/ KRL	HPCL	IBP	Other Companies	Private #	TOTAL
1	2	3	4	5	6	7	8	9
2005-06	Consumption	46160	20477	18309	4316	2440	21511	113213
	%	40.8	18.1	16.2	3.8	2.2	19.0	100.0
2006-07	Consumption	53425	22661	19698	$	2156	22809	120749
	%	44.2	18.8	16.3		1.8	18.9	100.0
2007-08	Consumption	57956	24866	22056	$	2264	21804	128946
	%	44.9	19.3	17.1		1.8	16.9	100.0
2008-09	Consumption	61363	26324	23712	$	2094	20106	133599
	%	45.9	19.7	17.7		1.6	15.0	100.0
2009-10	Consumption	63570	27015	24246	$	1946	21419	138196
	%	46.0	19.5	17.5		1.4	15.5	100.0
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 (P)	Consumption	71249	32232	28862	$	1755	22430	156528
	%	45.5	20.6	18.4		1.1	14.3	100.0

Notes : Consumption excludes RBF

*: Provisional

Others: It include CPCL,GAIL,MRPL,NRL and ONGC

$: IBP has been merged with IOC.

: Private data includes sales by pvt.oil companies & direct private imports.

Source: Petroleum Planning & Analysis Cell.

V.4 Deliveries Made to International/Coastal Bunkers

(Qty. ' 000 ' Tonnes)

Items	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13*
1	2	3	4	5	6	7	8	9
INTERNATIONAL BUNKERS								
F.O	17.9	12.3	33.8	127.1	37.3	85.7	113.0	193.6
H.S.D	4.8	2.3	14.9	17.0	94.7	16.6	8.1	6.8
L.D.O	4.5	1.4	0.1	1.3	0.3	0.0	0.0	0.0
TOTAL	**27.2**	**16.0**	**48.8**	**145.4**	**132.3**	**102.3**	**121.1**	**200.4**
COASTAL BUNKERS								
F.O	234.3	264.8	353.4	362.4	553.7	783.6	345.6	141.7
H.S.D	239.7	239.4	23.4	586.1	503.5	404.2	336.4	200.5
L.D.O	43.0	48.8	39.7	17.5	6.5	4.7	2.4	2.6
TOTAL	**517**	**553.0**	**416.5**	**966.0**	**1063.7**	**1192.5**	**684.4**	**344.8**
TOTAL BUNKERS :								
F.O	252.2	277.1	387.2	489.5	590.9	869.3	458.6	335.5
H.S.D	244.5	241.7	38.3	603.1	598.2	420.7	344.5	207.3
L.D.O	47.5	50.2	39.8	18.7	6.8	4.7	2.4	2.6
TOTAL	**544.2**	**569.0**	**465.3**	**1111.3**	**1195.9**	**1294.7**	**805.5**	**545.4**

Note: * Provisional

Source: Petroleum Planning & Analysis Cell.

V.5 State-wise Consumption of Major Petroleum Products During 2012-13 (Prov)

('000' Tonnes)

State/UT	Naphtha	LPG	Petrol/ MS	SKO	ATF	Diesel/ HSD	LDO	FO	LSHS/ HHS	Lubes & Greases	Bitumen	Others	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12	13	14
A. States													
Region: North													
Jammu & Kashmir	0	143	145	155	51	589	1.1	5	0	9	66	68	1233
Punjab	2	659	578	75	46	3255	2.0	233	287	35	132	304	5607
Rajasthan	0	744	787	397	101	4680	9.6	114	0	41	343	2869	10086
Uttar Pradesh	14	1649	1446	1239	124	6483	46.1	263	3	61	299	566	12193
Haryana	2654	509	626	75	19	5023	17.9	187	123	36	202	177	9649
Himachal Pradesh	0	112	114	23	7	533	0.1	33	0.3	10	46	387	1266
Uttarakhand	0	198	176	33	3	675	4.1	53	0.2	15	34	28	1219
Chandigarh	0	42	83	3	40	75	0.5	20	1	2	4	2	273
Delhi	0	716	787	42	1462	1029	8.7	39	0	17	10	29	4139
Total	**2670**	**4773**	**4743**	**2042**	**1853**	**22341**	**90**	**947**	**414**	**226**	**1135**	**4430**	**45664**
Region: North East													
Assam	0	212	168	257	100	731	0.1	4	0	10	41	163	1686
Manipur	0	19	33	20	3	74	0.0	0.02	0	0.4	6	0.02	156
Meghalaya	0	14	56	20	0.01	354	0.0	0.2	0	1.6	23	3	472
Nagaland	0	16	23	14	2	55	0.1	0	0	0.4	7	2	118
Tripura	0	25	29	31	5	81	0.1	0	0	1	10	0.1	182
Arunachal Pradesh	0	13	23	15	2	92	0.1	0	0	0.5	13	0.1	158
Mizoram	0	20	19	6	1	53	0.1	0	0	0.2	7	0.1	106
Total	**0**	**319**	**351**	**362**	**113**	**1440**	**0**	**4**	**0**	**14**	**106**	**168**	2879
Region: East													
Bihar	0	474	322	634	12	2030	2.0	13	0	13	151	133	3782
Odisha	0.1	213	365	309	36	1834	30.4	429	0	23	93	86	3419
West Bengal	686	857	443	751	199	2733	46.9	379	0	78	173	99	6444
Jharkhand	0	161	235	209	12	1361	40.0	163	0	30	149	62	2423
Sikkim	0	10	12	11	0.1	53	0.02	1	0	0	4	0.01	91
Andaman & Nikobar	0	7	11	5	21	90	0	0	0	1	3	0	137
Total	**686**	**1723**	**1387**	**1919**	**279**	**8100**	**119**	**984**	**0**	**145**	**573**	**380**	**16296**

* Provisional

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V.5 State-wise Consumption of Major Petroleum Products During 2012-13 (Prov)

('000' Tonnes)

State/UT	Naphtha	LPG	Petrol	SKO	ATF	Diesel/ HSD	LDO	FO	LSHS/ HHS	Lubes & Greases	Bitumen	Others#	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Region: West													
Goa	215	59	117	4	111	303	0.2	130	0	4	16	3	962
Gujarat	5765	751	1108	527	120	4356	18.5	327	379	81	727	3068	17227
Madhya Pradesh	1	613	703	488	45	2838	30.0	141	0	36	259	688	5840
Maharashtra	286	2135	2162	745	1229	7741	99.2	1041	87	320	414	1122	17381
Chhattisgarh	0	149	271	136	25	1154	9.3	167	0	18	108	218	2255
Dadra & Nagarhav.	0	11	12	2	0	77	0.8	28	0	98	3	10	242
Daman & Diu	0	9	16	1	1	77	0.0	16	0	5	2	3	129
Total	**6267**	**3727**	**4389**	**1902**	**1530**	**16546**	**158**	**1849**	**466**	**562**	**1529**	**5112**	44036
Region: South													
Andhra Pradesh	48	1410	1237	364	294	6583	11	291	90	64	376	193	10961
Kerala	403	669	834	98	314	2339	0.1	245	100	40	172	71	5287
Tamilnadu	611	1487	1583	401	465	6964	11	815	262	117	415	370	13499
Karnataka	169	1060	1127	408	420	4376	8	511	29	51	263	82	8504
Lakshdeep	0	0.2	0	1	0	12	0	0	0	0.1	0	0	13
Puducherry	0	35	92	3	0	334	0.2	36	5	2	6	2	516
Total	**1231**	**4661**	**4873**	**1276**	**1493**	**20607**	**31**	**1899**	**486**	**275**	**1231**	**718**	38780
Grand Total	**10854**	**15202**	**15744**	**7501**	**5268**	**69034**	**399**	**5682**	**1366**	**1222**	**4575**	**10808**	**147655**
Private Imports	**1487**	**403**	**0**	**0**	**0**	**141**	**0**	**635**	**0**	**1463**	**84**	**4659**	**8871**
Grand Total	**12341**	**15605**	**15744**	**7501**	**5268**	**69175**	**399**	**6317**	**1366**	**2685**	**4658**	**15466**	**156526**

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

#: Includes Petroleum Coke etc.

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

Source: Petroleum Planning and Analysis Cell, New Delhi.

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

(Unit: Kg)

State/UT	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13*
1	2	3	4	5	6	7	8	9
A. States								
1. Andhra Pradesh	78.8	84.6	100.9	112.9	113.3	116.6	124.5	129.5
2. Arunachal Pradesh	82.3	81.3	89.3	90.8	110.6	110.8	104.8	114.2
3. Assam	47.7	46.0	48.7	50.9	55.7	56.8	56.7	54.1
4. Bihar	24.4	25.0	28.2	31.5	35.4	37.2	35.9	36.4
5. Chhattisgarh	59.9	62.6	70.1	75.9	77.5	79.6	77.5	88.3
6. Delhi	228.3	260.4	248.2	233.6	237.1	227.5	256.3	247.1
7. Goa	631	651.4	653.5	646.5	633.2	631.9	724.3	659.8
8. Gujarat	135	136.4	138.5	274.1	299.9	275.8	270.2	285.3
9. Haryana	178	193.5	236.2	256.1	304.4	338.6	362.3	380.6
10. Himachal Pradesh	91.8	95.9	110.1	114.2	135.8	145.8	154.4	184.6
11. Jammu & Kashmir	75.1	77.5	84.5	86.0	99.9	96.1	96.1	98.3
12. Jharkhand	54.8	51.0	53.6	57.8	64.5	69.2	68.7	73.5
13. Karnataka	96.6	102.7	112.0	120.1	127.2	131.6	132.1	139.1
14. Kerala	105.6	107.1	113.6	131.3	141.9	143.1	147.9	158.4
15. Madhya Pradesh	51.9	52.9	54.7	63.4	64.5	70.9	71.6	80.4
16. Maharashtra	128	132.1	145.7	144.4	145.3	147.7	152.1	154.7
17. Manipur	42.1	40.5	47.4	51.8	58.1	42.5	49.6	57.4
18. Meghalaya	98	98.5	108.7	126.6	137.1	151.7	153.8	159.3
19. Mizoram	75.9	73.8	77.3	81.5	85.6	89.6	91.7	97.5
20. Nagaland	40.6	40.3	38.2	39.1	42.8	49.5	59.1	59.5
21. Odisha	51.6	52.2	61.0	66.3	74.6	81.2	79.9	81.5
22. Pondicherry	382.2	422.4	407.0	389.1	431.7	419.2	440.5	414.7
23. Punjab	169.4	179.8	189.1	200.1	219.6	203.7	206.1	202.4
24. Rajasthan	76.1	86.1	93.0	120.2	106.4	108.2	126.3	147.0
25. Sikkim	109	89.2	96.4	112.0	137.1	160.3	153.0	149.8
26. Tamilnadu	129.6	131.0	148.7	163.1	170.0	177.8	175.2	187.1
27. Tripura	37.4	39.0	40.4	45.0	47.8	51.5	50.9	49.5
28. Uttar Pradesh	53.3	50.9	51.4	55.5	58.7	58.8	59.7	61.1
29. Uttarakhand	85.6	92.4	101.0	106.4	121.2	124.7	123.3	120.5
30. West Bengal	55.6	54.5	58.9	59.7	62.3	67.4	64.9	70.5
B.Union Territories								
1. Chandigarh	211.4	212.4	189.1	208.4	233.1	231.7	291.0	258.8
2. Daman&Diu&							473.3	530.9
Dadra&Nagar Haveli	739.6	636.8	642.5	627.2	763.3	1332.3	833.8	705.5
3. Others	240	273.7	296.2	261.6	266.8	290.6	333.3	337.8
Total All India	**111.7**	**115.5**	**93.6**	**106.9**	**112.5**	**115.8**	**116.3**	**122.0**

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	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12*	2011-12*
1	4	5	6	7	8	9	10	10
Naphatha	11.1	11.3	11.6	8.3	7.8	7.7	7.8	9.0
MS	7.9	8.2	9.0	9.7	11.0	12.2	12.4	13.0
SKO	8.7	8.4	8.2	8.0	8.0	7.7	6.8	6.2
HSDO	36.7	37.9	41.6	44.5	48.4	51.6	53.4	57.0
LDO	0.8	0.6	0.6	0.5	0.4	0.4	0.3	0.3
F.O (Regular)	8.1	8.2	8.3	7.3	7.4	7.3	5.7	4.7
LSHS/HHS	3.6	3.0	2.8	2.7	2.1	1.7	1.5	1.1
Total All India Sales @	**111.7**	**115.5**	**112.6**	**106.9**	**112.5**	**115.8**	116.3	122.0

Notes: Projected Population for the year 2010-11 taken from RGI website.

* : 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)

	1974-79 V Plan	1979-80 Annual	1980-85 VI Plan	1985-90 VII Plan	1992-97 VIII Plan	1997-02 IX Plan	2002-07 X Plan	2007-12 XI Plan	2012-17 XII Plan
1	2	3	4	5	6	7	8	9	10
LPG	8.7	0.5	18.4	18.9	10	12.6	7	7.2	6.9
MS	-0.1	-0.6	6.9	10.9	6.8	7.2	5.8	10.1	8.5
Naphtha	10.4	-4.1	5.3	1.4	6.4	20.1	3.4	-4.2	-0.2
Others	-1.7	-8.7	1.2	14.2	7.2	38.7	N.A.	N.A.	N.A.
Light Distillates	**5.6**	**-2.7**	**7.2**	**8.3**	**7.5**	**15.3**	**N.A.**	**N.A.**	**N.A.**
ATF	8.2	-0.9	3.2	5.8	6.7	0.9	12	6.8	9.6
SKO	3.7	-2	9	6.7	3.9	0.5	-1.8	-2.8	-4
HSD	9.8	13.5	6.9	8.6	9.1	0.9	3.3	8.6	5.2
LDO	-1	4.1	-1.1	4.4	-3.5	5.4	-14.7	-10.4	-0.2
Others	0	12.3	0.2	3	8.8	5.2	N.A.	N.A.	N.A.
Middle Distillates	**6.7**	**7.6**	**6.6**	**7.7**	**7.4**	**1**	**N.A.**	**N.A.**	**N.A.**
Lubes	-2.3	4	3.2	6.9	1.7	2.3	10.8	6.7	3.7
FO/LSHS	2.4	6.2	2.3	2.1	4.6	2.4	-0.6	-5.9	-3.5
Bitumen	-2.4	13.4	-2.6	12.6	5.9	2.6	8.2	3.9	5.1
Others	1.6	16.6	5.5	8.5	4.9	27.6	12	-0.4	7.6
Heavy Ends	**1.5**	**7.3**	**2**	**4**	**4.6**	**4.4**	**N.A.**	**N.A.**	**N.A.**
Total Sales	**4.8**	**5.8**	**5.4**	**6.9**	**6.8**	**4.9**	**3.8**	**4.2**	**4.8**

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 Enduse
LPG	Domestic fuel. Also for Industrial application where technbically 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 agrucultural pump sets, small industrial units, start up fuel for pwer 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 (Benzens, Toluene, MTO, LABFS, CBFS, Paraffin Wax etc.	Feedstock for value added products.

Trade

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

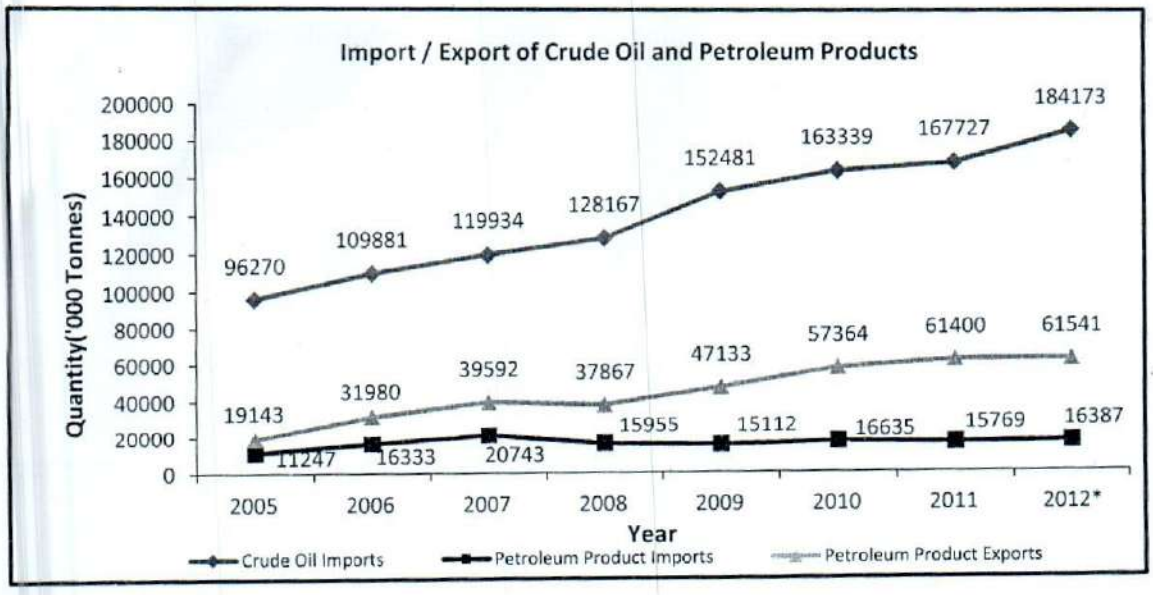
Calender Years

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

Year	Crude Oil		Petroleum Products		Total	
	Qty.	Value	Qty.	Value	Qty.	Value
1	2	3	4	5	6	7
			Gross Imports			
2005	96270	153217	11247	23304	107517	176521
2006	109881	219447	16333	38305	126214	257752
2007	119934	242707	20743	51723	140677	294430
2008	128167	373902	15955	63349	144122	437251
2009	152481	323940	15112	33057	167593	356997
2010	163339	421975	16635	48244	179974	470219
2011	167727	609589	15769	58050	183496	667639
2012*	184173	783418	16387	70542	200560	853960
			Exports			
2005	-	-	19143	39610	19143	39610
2006	-	-	31980	77732	31980	77732
2007	-	-	39592	100521	39592	100521
2008	-	-	37867	129742	37867	129742
2009	-	-	47133	120860	47133	120860
2010	-	-	57364	176664	57364	176664
2011	-	-	61400	265042	61400	265042
2012*	-	-	61541	310535	61541	310535
			Net Imports			
2005	96270	153217	-7896	-16306	88374	136911
2006	109881	219447	-15647	-39427	94234	180020
2007	119934	242707	-18849	-48798	101085	193909
2008	128167	373902	-21912	-66393	106255	307509
2009	152481	323940	-32021	-87803	120460	236137
2010	163339	421975	-40729	-128420	122610	293555
2011	167727	609589	-45631	-206992	122096	402597
2012*	184173	783418	-45154	-239993	139019	543425

: Provisional.

Source: Petroleum Planning & Analysis Cell, New Delhi.



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

(Financial Year)

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

Year	Crude Oil		Petroleum Products		LNG		Total	
	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value
1	2	3	4	5	6	7	8	9
				Gross Imports				
2005-06	99409	171702	13441	27971	5060	3366	117910	203039
2006-07	111502	219029	17660	41160	6810	5650	135972	265839
2007-08	121672	272699	22119	54082	8320	7197	152111	333978
2008-09	132775	348304	18524	60845	8060	9548	159359	418697
2009-10	159259	375277	14665	33800	8828	10297	182752	419374
2010-11	163595	455276	16815	52106	8949	12719	189359	520101
2011-12	171729	672220	15848	68091	9703	20373	197280	760684
2012-13*	184795	784652	15774	68363	9534	28215	210103	881230
				Exports				
2005-06	-	-	23460	49974	-	-	23460	49974
2006-07	-	-	33624	81094	-	-	33624	81094
2007-08	-	-	40496	109949	-	-	40496	109949
2008-09	-	-	38902	122064	-	-	38902	122064
2009-10	-	-	50974	144037	-	-	50974	144037
2010-11	-	-	59077	196861	-	-	59077	196861
2011-12	-	-	60837	284643	-	-	60837	284643
2012-13*	-	-	63408	320090	-	-	63408	320090
				Net Imports				
2005-06	99409	171702	-10019	-22003	5060	3366	94450	153065
2006-07	111502	219029	-15964	-39934	6810	5650	102348	184745
2007-08	121672	272699	-18377	-55867	8320	7197	111615	224029
2008-09	132775	348304	-20378	-61219	8060	9548	120457	296633
2009-10	159259	375277	-36309	-110237	8828	10297	131778	275337
2010-11	163595	455276	-42262	-144755	8949	12719	130282	323240
2011-12	171729	672220	-44989	-216552	9703	20373	136443	476041
2012-13*	184795	784652	-47634	-251727	9704	20374	146695	561140

Note: *: Provisional.

Source: Petroleum Planning & Analysis Cell, New Delhi.

VI.3 Import Availability ratios of Crude Oil and Petroleum Products

(Fig. in MMT)

Items	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13*
1	2	3	4	5	6	7	8	9
A. CRUDE OIL(MMT)								
(i) Production	32.190	33.988	34.118	33.508	33.690	37.684	38.090	37.862
(ii) Imports	99.409	111.502	121.672	132.775	159.259	163.595	171.729	184.795
(iii)Availability (Net)	131.599	145.490	155.790	166.283	192.949	201.279	209.819	222.657
B. PETROLEUM PRODUCTS(MMT								
(i) Production^	124.405	139.748	149.472	155.148	184.610	194.821	203.202	217.736
(ii) Imports(Net)$	-10.021	-15.964	-18.377	-20.378	-36.309	-42.262	-44.988	-47.634
(iii)Availability	114.384	123.784	131.095	134.770	148.301	152.559	158.214	170.102

$: Excluding LNG imports.

^: Includes LPG Production from Natural Gas.

* Provisional

VI. 4 India's POL Imports as a proportion to overall Import

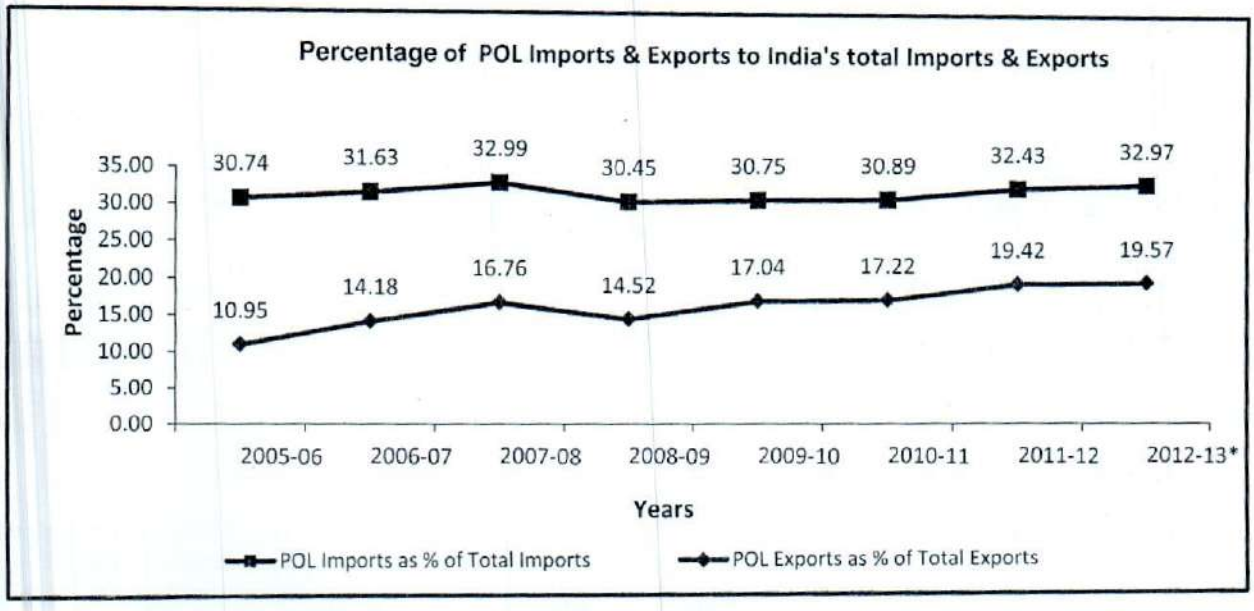
(Rs. Crore)

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*
2005-06	203039	660409	30.74	49974	456418	10.95
2006-07	265839	840506	31.63	81094	571779	14.18
2007-08	333978	1012312	32.99	109949	655864	16.76
2008-09	418542	1374436	30.45	122064	840755	14.52
2009-10	419374	1363736	30.75	144037	845534	17.04
2010-11	520101	1683467	30.89	196861	1142922	17.22
2011-12	760684	2345463	32.43	284643	1465959	19.42
2012-13*	881230	2673113	32.97	320090	1635261	19.57

Includes crude oil, Petroleum Products and Natural Gas

* provisional

Source: PPAC and M/o Commerce



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

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

ITEM	2007		2008		2009		2010		2011*		2012*	
	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*
					Gross Imports							
A. Crude Oil	119934	242707	128167	373902	152481	323940	163339	421975	167727	609589	184173	783418
B. Pol.Products												
I.Light Distillates	**9001**	**25564**	**8404**	**31317**	**3924**	**13126**	**7558**	**25656**	**8007**	**33240**	**8769**	**44962**
1. LPG	2627	7284	2590	9349	2344	6405	4111	13882	4947	20495	6561	33301
2.MS	277	836	454	1860	314	931	1534	5792	900	4394	719	1824
3. Naphtha	5829	16772	5360	20108	1266	5790	1913	5981	2160	8351	1489	9838
II.Middle Distillates	**4297**	**12797**	**4844**	**20049**	**2905**	**9321**	**3146**	**10016**	**2278**	**10379**	**1489**	**4424**
1.ATF	2	14	3	34	3	31	0	0	0	0	0	0
2.SKO	2254	7159	1773	7958	707	2437	1317	4344	890	4132	0	0
3.HSD	2041	5624	3068	12057	2195	6853	1829	5673	1388	6247	871	4424
III.Heavy Ends	**7445**	**13362**	**2707**	**11983**	**8283**	**10610**	**5931**	**12572**	**5484**	**14431**	**6129**	**21156**
1.FO / LSHS	1419	2367	1331	5728	953	1720	727	1684	1060	2974	965	3896
2.Lubes / Others	6026	10995	1376	6255	7330	8890	5204	10888	4424	11457	5164	17260
Total(B)	**20743**	**51723**	**15955**	**63349**	**15112**	**33057**	**16635**	**48244**	**15769**	**58050**	**16387**	**70542**
Grand Total(A+B)	**140677**	**294430**	**144122**	**437251**	**167593**	**356997**	**179974**	**470218**	**183496**	**667639**	**200560**	**853960**
					Exports							
Pol.Products												
I.Light Distillates	**13534**	**36073**	**13357**	**47637**	**16678**	**47521**	**24252**	**81419**	**24348**	**109584**	**25328**	**137255**
1.LPG	96	325	104	513	94	424	154	664	126	662	195	1231
2.MS	3852	11298	5369	19418	8023	23547	13645	46600	14084	65641	14955	91260
3.Naphtha	9586	26450	7884	27706	8561	23550	10454	34156	10138	43281	10179	44765
II.Middle Distillates	**18211**	**48252**	**17301**	**67218**	**22908**	**58744**	**22711**	**73336**	**26216**	**120806**	**25502**	**134107**
1.HSD	13584	35328	13543	51956	18414	46615	18422	59597	21064	97342	21320	111708
2.ATF	4489	12457	3663	14805	4448	11987	4248	13595	5129	23340	4153	22225
3.SKO	138	467	95	457	46	142	42	145	23	124	29	173
III.Heavy Ends	**7690**	**13769**	**7209**	**14887**	**7547**	**14595**	**10401**	**21909**	**10836**	**34652**	**10710**	**39173**
1.FO/LSHS	3727	5570	6460	12628	5136	9143	6194	12906	7713	23211	6480	22583
2.Others	3963	8199	749	2259	2411	5452	4207	9003	3123	11441	4230	16590
Total	**39592**	**100521**	**37867**	**129742**	**47133**	**120860**	**57364**	**176664**	**61400**	**265042**	**61541**	**310535**
					Net Imports							
A. Crude Oil	**119934**	**242707**	**128167**	**373902**	**152481**	**323940**	**163339**	**421975**	**167727**	**609589**	**184173**	**783418**
B. Pol.Products	**-18849**	**-48798**	**-21912**	**-66393**	**-32021**	**-87803**	**-40729**	**-128420**	**-45631**	**-206992**	**-45153**	**-239993**
Grand Total(A+B)	**101085**	**193909**	**106255**	**307509**	**120460**	**236137**	**122610**	**293555**	**122096**	**402597**	**139020**	**543425**

*: Provisional

Source: Petroleum Planning & Analysis Cell, New Delhi.

VI.6 Imports / Exports of Crude Oil and Petroleum Products

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

ITEM	2007-08		2008-09		2009-10		2010-11		2011-12		2012-13*	
	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
GROSS IMPORTS												
A. Crude Oil	121672	272699	132775	348304	159259	375277	163595	455276	171729	672220	184795	784652
B .LNG	8320	7197	8060	9548	8828	10297	8949	12719	9703	20373	9534	28215
C. Petroleum Products												
I.Light Distillates	9143	28307	7780	26856	4838	14535	8278	29331	8534	40157	8176	42378
1. LPG	2832	8700	2360	7916	2718	8329	4502	16082	5790	27019	6293	31696
2. MS	328	1137	397	1530	385	1264	1702	6427	654	3311	147	891
3. Naphtha	5983	18470	5023	17410	1734	4942	2074	6822	2091	9827	1735	9791
II.Middle Distillates	5443	17556	4259	16252	3516	9299	3454	12105	1623	7750	626	3219
1.SKO	2489	8324	1423	6480	985	2909	1381	4939	564	2710	0	0
2.HSD	2951	9212	2836	9772	2531	6390	2073	7166	1059	5039	626	3219
III.Heavy Ends	7533	8219	6485	17737	6312	9966	5083	10670	5691	20184	6972	22766
1.FO / LSHS	1187	2211	1359	3059	896	1935	925	2240	1203	4392	1068	4546
2. Bitumen			105	207	69	138	69	152	78	197	85	235
3.LOBS/Lubes	6346	6008	986	4552	1419	3518	1214	3017	1434	8314	1468	9259
4. Others	0	0	4036	9919	3928	4375	2875	5261	2976	7282	4351	8727
Total(C)	22119	54082	18524	60845	14665	33800	16815	52106	15848	68091	15774	68363
Grand Total(A+B+C)	152111	333978	159359	418697	182752	419374	189359	520101	197280	760684	210104	881230
EXPORTS												
Petroleum Products												
I.Light Distillates	13654	41379	13143	43083	19803	61508	24387	87311	24837	120549	25505	140173
1.LPG	99	401	109	455	131	491	154	693	174	947	200	1294
2.MS	4258	13614	5433	17779	9762	31170	13578	49480	14524	73982	16657	95346
3.Naphtha	9297	27365	7601	24849	9911	29848	10655	37138	10139	45620	8647	43533
II.Middle Distillates	18931	54919	18471	63404	23054	64318	24944	85841	25085	126951	27151	140916
1.SKO	137	492	77	362	4588	13331	33	141	34	191	23	140
2.HSD/LDO	14308	40871	14693	49563	46	154	20433	69560	20491	104903	22464	115554
3.ATF	4486	13556	3701	13479	18420	50833	4478	16140	4561	21857	4664	25223
III.Heavy Ends	7911	13650	7288	15577	8117	18211	9746	23709	10915	37144	10752	39001
1.FO/LSHS	4718	6811	6201	12240	5173	10501	6734	15098	7895	25576	5922	20415
2.LOBS/Lubes	1498	3236	122	1021	87	213	29	147	27	181	59	381
3.Bitumen	409	614	45	64	31	67	56	124	5	27	87	281
4. Others	1286	2989	920	2252	2825	7430	2927	8340	2988	11360	4685	17922
Total	40496	109949	38902	122064	50974	144037	59077	196861	60837	284643	63408	320090
NET IMPORTS												
A. Crude Oil	121672	272699	132775	348304	159259	375277	163595	455276	171729	672220	184795	784652
B. LNG	8320	7197	8060	9548	8828	10297	8949	12719	9703	20373	9534	28215
C. Pol.Products	-18377	-55867	-20378	-61219	-36309	-110237	-42262	-144755	-44989	-216552	-47634	-251727
Grand Total	111615	224029	120457	296633	131778	275337	130282	323240	136443	476041	146696	561140

*: Provisional

Source: Petroleum Planning & Analysis Cell, New Delhi.

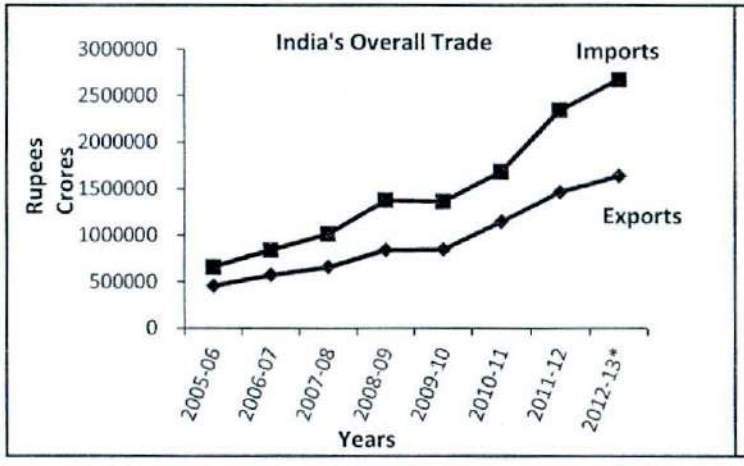
VI.7 Trends in India's overall Trade balance and Trade balance with OPEC Countries

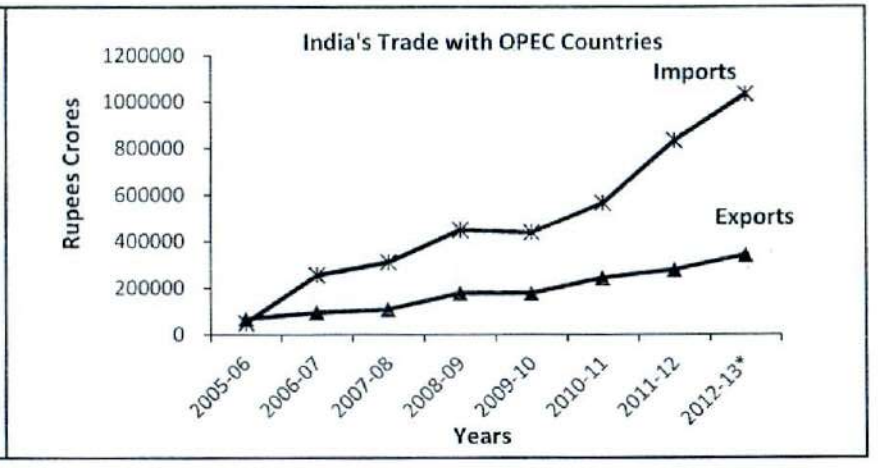
(Figures in Rs. Crore)

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	Exports	Imports	Balance of Trade	% variation over preceding year Exports	Imports	Exports	Imports
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*
2005-06	456418	660409	-203991	21.6	31.8	67483	49458	18025	13.7	9.8	14.8	7.5
2006-07	571779	840506	-268727	25.3	27.3	94812	255094	-160282	40.5	415.8	16.6	30.4
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*	1635261	2673113	-1037852	11.5	14.0	341908	1031757	-689849	22.9	24.0	20.9	38.6

*Provisional.

Source: RBI





VI.8 Annual Growth of Foreign Direct Investment Equity Inflows

Sl. No.	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	5	6
		(Amount in Rs. Million)				
1	2005-06	245840	636	0.26	67.77	-87.73
2	2006-07	563900	4010	0.71	129.38	530.50
3	2007-08	986420	57290	5.81	74.93	1328.68
4	2008-09	1428290	19310	1.35	44.80	-66.29
5	2009-10	1231200	13280	1.08	-13.80	-31.23
6	2010-11	973204	25431	2.61	-20.95	91.50
7	2011-12	1651455	99552	6.03	69.69	291.46
8	2012-13*	1219067	11926	0.98	-26.18	-88.02
		(Amount in US $ Million)				
1	2005-06	5540	14	0.26	72.10	-87.61
2	2006-07	12492	89	0.71	125.49	535.71
3	2007-08	24575	1427	5.81	96.73	1503.37
4	2008-09	31396	412	1.31	27.76	-71.13
5	2009-10	25834	266	1.03	-17.72	-35.44
6	2010-11	21383	556	2.60	-17.23	109.02
7	2011-12	35121	2030	5.78	64.25	265.11
8	2012-13*	22424	215	0.96	-36.15	-89.41

* Provisional

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

Taxes & Duties

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

(Figures in Rs. Crore)

S.No.	Products	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13*
1	2	3	4	5	6	7	8	9	10
A	**Excise Duties**								
1	Motor Spirit	17554	18303	20102	21075	24809	26771	28795	23710
2	Kerosene Oil	212	236	241	281	223	283	351	404
3	Refined Diesel Oil	21773	24672	23848	21537	23131	30412	19048	22512
4	Diesel Oil (NES)	505	389	306	288	188	240	247	296
5	Furnace Oil	1756	1877	1985	2135	2446	2596	3105	2774
6	Pol. Products (NOS)^	4623	4919	6313	595	705	896	1372	1654
7	Petroleum Gases	319	454	570	6840	5822	6488	11435	17144
8	Cess on crude oil	5007	7034	6866	6632	6688	8860	10357	16402
	Total (A)	**51749**	**57884**	**60231**	**59383**	**64012**	**76546**	**74710**	**84896**
B	**Custom Duties**								
1	Crude Petroleum	7158	7583	9101	2768	1752	13370	5196	844
2	Petroleum Products	4236	6426	9041	8406	6003	12912	15323	12859
	Total (B)	**11394**	**14009**	**18142**	**11174**	**7755**	**26282**	**20520**	**13703**
	Grand Total (A+B)	**63143**	**71893**	**78373**	**70557**	**71767**	**102828**	**95230**	**98599**
	Composite Incidence of Excise & Custom Duties (Rs.)	**5577**	**5954**	**6078**	**5281**	**5208**	**7291**	**6435**	**6344**
	% of Excise & Custom Duties on POL to NNP at Factor Cost at Current Prices	**2.10**	**2.05**	**1.92**	**1.50**	**1.33**	**1.60**	**1.29**	**1.18**

*: 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

(Rs. Lakhs)

Year	Royalty Paid on Crude Oil						Royalty Paid on Natural Gas						Oil Development Cess
	Western Region	Eastern Region	Southern Region	Central Region	Bombay High/KG Offshore	Total	Western Region	Eastern Region	Southern Region	Central Region	B.High/KG Off-shore	Total	
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*	*14*
2005-06	174487	135973	18788	-	177492	506740	20156	6605	6540	-	53065	86366	519562
2006-07	189162	137737	36236	-	222585	585720	35262	8056	7547	-	56610	107475	717734
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	1107993	164180	18346	13	517677	1808209	13976	16337	17826	3978	335907	388024	1589226

*Provisional

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

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.

2: Includes share of Central region in Eastern region during 2005-06 to 2009-10

VII.3. State-wise VAT Rates on Crude Oil,Natural Gas and Major Petroleum Products

As on 01.04.2013

(Figures in %)

STATE	Crude Oil	Natural Gas	MS	HSD	SKO		LPG		
					PDS	Indus.	PDS	Indus.	Auto LPG
1	2	3	4	5	6	7	8	9	10
Andhra Pradesh	5.00	14.50	31.00	22.25	5.00	14.50	5.00	14.50	14.50
Arunachal Pradesh	4.00	12.50	20.00	12.50	4.00	12.50	4.00	12.50	
Assam	5.00	12.00	27.50	16.50	2.00	12.50	4.00	9.00	9.00
Bihar	5.00	20.00	24.50	16.00 (Surcharge 10% on Tax)	5.00	5.00	1.00	13.50	13.50
Chandigarh	4.00	5.00	20.00 for Normal & 22.00 for Branded (MST: Rs. 10/- PER	12.50 (MST RS 10/-PER KL)	5.00	13.50	0.00	12.50	12.50
Chhattisgarh	5.00	25.00	25.00	25.00	4.00	14.00	0.00	14.00	
Delhi	5.00	0.00	20.00	12.50 (CESS- RS.250/-PER KL)	5.00	12.50	0.00	5.00	5.00
Goa	5.00	12.50	0.10**	20.00^	5.00	12.50	0.00	12.50	12.50
Gujarat	4.00	12.5+2.5	20.00 (Cess on Turnover-2.00%)	21.00 (Cess on Turnover-3.00%)	0.00	25.00	0.00	12.50+2.50	12.50+2.50
Haryana	5.00	13.13	20.00+5.00%	8.80+5.00%	0.00	12.50+5.00%	0.00	12.50+5.00%	12.50+5.00%
Himachal Pradesh	4.00	4.00	25.00	9.60	0.00	13.75	4.00	13.75	13.75
Jammu & Kashmir	5.00	5.00	N/A #	N/A #	5.00	13.50	0.00	13.50	13.50
Jharkhand	5.00	14.00	20.00	18.00	2.00	14.00	5.00	14.00	14.00
Karnataka	5.00	14.50	25.00	16.75	5.50	14.50	1.00	14.50	14.50
Kerala	5.00	14.50	25.68 +SSC 1% on Tax	19.80% + SSC 1% on Tax	5.00	14.50	5.00	14.50	14.50
Madhya Pradesh	5.00	13.00	27.00	23.00	5.00	13.00	5.00	13.00	
Maharashtra	5.00	12.50	25.00% re 1/ltr (MS(wml of Thane, Mumbai, Navi Mumbai, Solapur, Amravati, Nagpur, Aurangabad, Nandurbar)	21.00% (HSD(wml of Thane, Mumbai, Navi Mumbai, Solapur, Amravati, Nagpur, Aurangabad, Nandurbar) 24%)	3.00	12.50	3.00	12.50	12.50
Manipur	5.00	13.50	20.00	13.50	0.00	5.00	5.00	13.50	
Meghalaya	5.00	13.50	12.5+ Surcharge 2% on Tax	20+ Surcharge 2% on Tax	0.00	13.50	0.00	13.50	
Mizoram	4.00	13.50	20.00	12.00			4.00	8.00	8.00
Nagaland	4.00	13.50	20% Surcharge on Tax 5%	12% Surcharge on Tax 5%	5% Surcharge on Tax 5%	15% Surcharge on Tax 5%	4% Surcharge on Tax 5%	12.50% Surcharge on Tax 5%	
Orissa	5.00	13.50	18.00	18.00	EXEMPTED	13.50	EXEMPTED	13.50	13.50
Punjab	4.5+10	5.5+10	28%(Surcharge on Tax 10.00% Cess Rs1000 per/kl	8.75% for normal and 13% for Branded Fuil. (Surchard on Tax	5.50% (Surcharge on Tax 10%)	13%(Surcharge on Tax 10%)	4%(Surcharge on Tax 10%)	13% (Surcharge on Tax 10%)	13% (Surcharge on Tax 10%)
Pondicherry	5.00	5.00	15.00	14.00	0.00	14.50	1.00	14.50	14.50
Rajasthan	5.00	5.00	26 (Cess Rs:-500/ Per KL) (OMC:-5%)	18 (Cess Rs.500/ per KL), Rebate 540/- per Kl (OMC 5%)	0.00	0.00	0.00	14.00	14.00
Sikkim	4.00	4.00	15% Cess Rs. 3000 per KL, Sikkim Consumer Welfare Fune Rs 20 per KL	7.5% Cess Rs. 2500 per KL, Sikkim Consumer Welfare Fune Rs 20 per KL	NIL, 4	12.50	4.00	12.50	12.50
Silvassa/Dadra Nagar Havel	4.00	12.50	20.00	15.00	4.00	20.00	4.00	125.00	20.00
Tamil Nadu	5.00	5.00	27.00	21.43	5.00	25.00	0.00	14.50	14.50
Tripura	5.00	13.50	20.00	13.50	NIL	13.50	1.50	13.50	
Uttar Pradesh	4.00	21.00	26.55	17.23	4.00 (Addl Tax on taxable T/O:-1%)	12.50 (Addl Tax on taxable T/O:-1.5%)	0.00	12.50 (Addl Tax on taxable T/O:-1.5%)	12.50 (Addl Tax on taxable T/O:-1.5%)
Uttarakhand	5.00	20.00	25.00	21 (Rebate Rs.1230/ per KL)	0.00	0.00	5.00	13.50	13.50
West Bengal	5.00	5.00	25, Cess Rs.1000 per KL,Addl Tax on Tax 20%, Rebat	17, Cess Rs.1000 per KL,Addl Tax on Tax 20%, Rebat Rs.290/KL	0.00	14.50	0.00	5, Cess Rs.1000per MT	14.50

Source: Public Sector Undertakings and Petrleum Planning and Analysis Cell.

*: Petroleum based lube taxable @20.00% and other lubes taxable @ 12.50%) @" ATF-duty paid mumbai Pune 25% (ATF-duty paid except Mumbai Pune 5% (ATF duty paid for Turbo Prop: 5%)

#: MS: MST-20.00% (CESS UNDER MST) RS3/PER LTR & HSD: MST-12.00% (CESS UNDER MST) RS1/PER LTR $: 13.50% (FO & Lubes(INTNL Bunkering):-5% WEF 01.04.2012

^: HSD from Bond sold on VAT 4.00% ^^: HSD from Bond sold to foreign going vessels -1.00% VAT 4.00% ##: 23% Bhopal & Indore AFS, 13% others (Khajuraho) **:Sold by PSU OMC to Auth RO, other 20%

VII.3 (Cont'd...) State-wise VAT Rates on Crude Oil,Natural Gas and Major Petroleum Products
As on 01.04.2013

(Figures in %)

STATE	FO	LDO	Naphtha	Lubes	ATF		Bitumen	LSHS	Sulphur
					Domestic/Bonded	Declared			
1	11	12	13	14	15	16	17	18	19
Andhra Pradesh	14.50	22.25	14.50	14.50	16.00	-	5.00	14.50	14.50
Arunachal Pradesh	12.50	12.50	12.50	4.00	20.00		4.00	12.50	
Assam	5.00	16.50	13.50	13.50	22.00		5.00	13.50	5.00
Bihar	13.50	16.00 (Surcharge 10% on Tax)	13.50	13.50	29.00	5.00	5.00	13.50	5.00
Chandigarh	12.50	12.50	5.00	12.50	20.00 (MST: Rs. 10/- PER KL)	4.00	5.00		
Chhattisgarh	5.00	14.00	14.00	14.00	5 /0			14.00	
Delhi	20.00	12.50 (CESS- RS.250/- PER KL)	20.00	20*	20.00	5.00	5.00		
Goa	12.50^^	22.00	20.00	12.50	12.50		5.00	12.50	
Gujarat	4.0+1.0%	12.5+2.5	16+2.5	12/15+2.5%	30/38		4.00+1.00%	15+2.5	4+1
Haryana	12.50+5.00%	8.80+5.00%	12.50+5.00%	12.50+5.00%	20.00+5.00%	5.00	5.00+5.00%		
Himachal Pradesh	13.75	9.70	5.00	13.75	25.00	1.00	5.00		
Jammu & Kashmir	13.50	13.50	13.50	13.50	20+5%	N/A (GST: 5%)	5.00		
Jharkhand	14.00	18.00	14.00	14.00	20.00	5.00	5.00	14.00	5.00
Karnataka	14.50	16.75	5.50	14.50	28.00	5.00	5.50	14.50	
Kerala	14.50	41+15% +SSC 1% on Tax & Addl Tax	5.00	14.50	25+15% +SSC 1% on Tax & Addl Tax	5.00	5.00	14.50	5.00
Madhya Pradesh	13.00	13.00	13.00	13.00	23 or 13 ## /0			13.00	
Maharashtra	12.50	12.50	12.50	12.50	@/30		12.50	12.50	
Manipur	13.50	13.50		13.50	20.00		5.00		
Meghalaya	13.50	12.5+ Surcharge 10% on Tax		13.50	0.00				
Mizoram		12.00		10.00	20.00				
Nagaland	12.00	12.50% Surcharge on Tax 5%	12.00	12.00	20% Surcharge on Tax 5%		12.00	12.00	
Orissa	13.50 $	20.00	13.50	13.50	20.00		13.50	13.50	13.50
Punjab	5.50% (Surcharge on Tax 10%)	8.75% (Surcharge on Tax 10%)	5.50% (Surcharge on Tax 10%)	13% (Surcharge on Tax 10%)	20.50% (Surcharge on Tax 10%) ***	4.5% (Surcharge on Tax)	5.50% (Surcharge on Tax 10%)		
Pondicherry	14.50	14.50	14.50	14.50	14.50/14.50	5.00	14.50	14.50	14.50
Rajasthan	5.00	18 (Rebate Rs.540/per KL)	5.00	14.00	20.00	5.00	14.00		
Sikkim	12.50	7.50	12.50	12.50	12.50		4.00	12.50	
Silvassa/Dadra Nagar Haveli	20.00	15.00	20.00	12.50	20 /20		4.00		
Tamil Nadu	5.00	25.00	5.00	14.50	29.00	5.00	5.00	5.00	5.00
Tripura	12.50	13.50	12.50	13.50	22.00		4.00	12.50	
Uttar Pradesh	21.00	17.23	21.00	12.50 (Addl Tax on taxable T/O:-1.5%)	21.00	4.00	12.50 (Addl Tax on taxable T/O:-1.5%)		
Uttarakhand	13.50	21.00	13.50	20.00	20.00	5.00	5.00		
West Bengal	5.00	17.00	5.00	14.50	25.00		5.00	14.50	5.00

Source: Public Sector Undertakings and Petrleum Planning and Analysis Cell.

*: Petroleum based lube taxable @20.00% and other lubes taxable @ 12.50%) **: Sold by PSU OMC to Auth RO, other 20% ***: 5.50 For Scheduled Airlines carrying passengers at Amritsar Int. Airport

^: HSD from Bond sold on VAT 4.00%

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

(Rs. In Lakhs)

State/UTs	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13*
1	2	3	4	5	6	7	8	9
1. CRUDE OIL	**118723**	**153548**	**165566**	**130140**	**160845**	**149902**	**191571**	**175972**
Andhra Pradesh	8414	10029	10069	7652	4601	4461	5706	3946
Arunachal Pradesh	0	0	0	0	0	0	0	0
Assam	8305	27982	31313	34996	37027	37180	55142	50371
Gujrat	25379	21107	20711	20518	36805	25038	38581	27632
Maharashtra	73538	91137	100321	63812	79962	80298	87196	88789
Rajasthan	0	6	3	0	2	1	0	2
Tamil Nadu	3085	3287	3149	3162	2448	2913	4946	5232
Tripura	2	0	0	0	0	11	0	0
2. NATURAL GAS	**107782**	**148490**	**145080**	**223491**	**270331**	**399826**	**472756**	**553432**
Andhra Pradesh	11112	9764	9223	8876	41019	65812	60032	53315
Assam	634	6724	7200	7413	6800	9701	12630	14079
Delhi	0	473	305	403	518	841	1315	1846
Gujarat	51939	63427	64418	108228	107475	150976	167178	195769
Harayana	0	0	0	1745	2884	5054	8778	12692
Jharkhand	0	0	0	0	2	12	34	33
M.P	5971	10389	13409	10620	14334	20168	30257	30154
Maharashtra	20864	19385	20438	23947	31602	40093	53705	73534
Pondicherry/Mane	186	4	0	0	0	0	0	0
Rajasthan	29	167	175	5539	5347	3889	6928	9516
Tamil Nadu	2473	4155	2242	1770	1815	2935	4516	5087
Tripura	1168	1324	1326	1501	1559	3070	3888	4070
U.P	13406	32678	26344	53449	56976	97275	123495	153337
3. POL PRODUCTS	**4366893**	**5006607**	**5678366**	**5942598**	**5963688**	**7521157**	**9373208**	**10406100**
Andhra Pradesh	402469	483043	561180	615966	619049	743946	933223	1062312
Arunachal Pradesh	1703	1813	1558	1894	2264	3172	4245	3934
Assam	46897	64637	60165	86831	86440	96659	118716	132923
Bihar	103602	116750	138075	162345	181060	222074	277753	312981
Chhattisgarh	66508	83265	95412	104582	110959	140873	172423	199967
Delhi	140071	173517	184540	179797	153576	191044	241467	256696
Goa	33751	37228	37141	48983	43405	47027	57382	37848
Gujarat	363735	470104	468454	371002	339089	499437	645986	698918
Harayana	152880	168371	220963	215167	212531	277870	340734	383092
Himachal Pradesh	20814	32141	25379	25197	13949	16697	14895	16410
Jammu & kashmir	28197	32604	35087	41170	45860	59026	74731	84522
Jharkhand	59686	72903	79056	66466	76023	111601	125325	148857
Karnataka	284734	331996	391975	465040	456082	572576	701865	806674
Kerala	210643	202361	255933	262619	289477	353718	410434	459809
Madhya Pradesh	178561	227388	247447	282495	284607	380657	438540	439345
Maharashtra	764140	836560	921355	966257	889120	1101417	1338852	1536718
Manipur	2789	6826	2662	3502	3581	4166	7625	8238
Meghyalya	6035	7056	6975	7329	5616	2582	401	197
Mizoram	1759	2096	2140	2042	2340	3178	4422	6084
Nagaland	2603	2768	2801	3217	2895	4187	5451	5914
Odisha	83733	89277	118363	127128	135674	173444	199039	220793
Pondicherry/Mane	465	9009	837	783	662	937	1344	1871
Punjab	136825	171618	175455	176331	199032	253422	281192	286892
Rajasthan	228669	259122	299593	315144	322105	397050	473367	527990
Sikkim	1765	16626	2919	7050	2107	3639	4308	4788
Tamil Nadu	436399	457361	528230	588202	601613	768458	924391	1126830
Tripura	3851	4348	4634	5034	6098	6408	10020	12082
Uttar Pradesh	367091	376231	476157	476604	525464	652311	1073199	1051677
Uttarakhand	30609	51966	41018	46332	48410	64676	72630	81118
West Bengal	200766	205028	277173	273567	294345	360869	411487	478707
Union Territories								
Chandigarh	5016	12506	12776	12428	8779	7556	6932	7030
Andeman & Nocobar	0	0	2186	0	0	0	0	4063
Dadra & Nagar Haveli	109	84	723	2094	0	476	824	817
Daman & Diu	18	4	4	#	1476	3	5	5
Grand Total (1+2+3)	**4593398**	**5308645**	**5989012**	**6296229**	**6394864**	**8070885**	**10037535**	**11135504**

* Provisional # included in Dadra & Nagar Haveli

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

VII.5 Central Excise and Customs Tarrif

As on 01.04.2013

Description of Goods	Central Excise			Customs Tariff		
	Basic Cenvat Duty	Special Addl. Excise Duty	Addl. Cenvat Duty	Basic Customs Duty	Addl. Customs Duty (CVD)	Addl. Customsn Duty
1	2	3	4	5	6	7
Crude Petoleum	Nil+Rs. 4500/MT as Cess+Rs50/MT as NCCD	N.A	N.A	Nil +Rs50/MT as NCCD	Nil	N.A
Motor Spirit	Rs.1.20/ltr	Rs. 6.00/ltr	Rs. 2.00/ltr	2.50%	Rs.1.20/ltr + Rs.6.00/ltr SAD	Rs.2.00/ltr
Motor Spirit (Branded)	Rs. 7.50/ltr	Rs. 6.00/ltr	Rs. 2.00/ltr			
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 Fertilzer	14%	N.A	N.A	5%	14%	N.A
NGL-Fertilzer	Nil	N.A	N.A	Nil	Nil	N.A
Kerosene (PDS)	Nil	N.A	N.A	Nil	Nil	Nil
Kerosene (Non PDS)	14	N.A	N.A	5%	14%	N.A
HSD	Rs. 1.46/ltr	N.A	Rs. 2.00/ltr	2.50%	Rs. 1.46/ltr	Rs.2.00/ltr
HSD (branded)	Rs. 3.75/ltr	N.A	Rs. 2.00/ltr	-	-	-
L.D.O.	14% +Rs. 2.50/ltr	N.A	N.A	5%	14% +Rs. 2.50/ltr	N.A
Furnace Oil - Non Fertilzer	14%	N.A	N.A	5%	14%	N.A
Furnace Oil - Fertlizers	Nil+	N.A	N.A	Nil	Nil	Nil
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	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 (Gasious 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 Fertilzer	14%	N.A	N.A	5%	14	N.A
LSHS/ HPS & other Res.-Fertilisers	Nil	N.A	N.A	5%	Nil	N.A

Notes: 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 wll be charged w.e.f. 9.7.2004 and additional 1% will be charged w.e.f. 1.3.2007

Source: Petroleum Planning & Analysis Cell.

Manpower

VIII.1 Manpower employed in the Petroleum Industry in India

(Figures in Number)

Category	2005	2006	2007	2008	2009	2010	2011	2012	2013
1	*2*	*3*	*4*	*5*	*6*	*7*	8	9	10
1. Exploration & Production	41415	39694	38948	33935	33612	33351	33984	34966	34813
2. Refining	26859	30262	28151	30128	32745	34036	31835	35768	33937
3. Marketing	40628	43317	42970	44995	42183	41387	44535	47914	47224
4. Pipelines	7318	7816	7510	8933	4598	4563	5536	4469	4907
5. R&D	2096	2071	2029	1964	2076	2133	2007	1938	1950
6. Others	15055	15151	15707	20001	23759	24395	23818	13936	13516
Grand Total	**133371**	**138311**	**135315**	**139956**	**138973**	**139865**	**141715**	**138991**	**136347**

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	2005	2006	2007	2008	2009	2010	2011	2012	2013
1	*2*	*3*	*4*	*5*	*6*	*7*	8	9	10
1. Executive/Managerial	45319	45727	44447	46387	49742	51486	55325	58914	59304
2. Supervisory	10780	11232	13147	12964	13490	14197	14461	11244	11062
3. Clerical	11249	10807	16820	15247	13879	13324	8112	8225	7859
4. Workmen	48197	45810	38210	37266	35759	34420	35945	34708	34469
5. Total	**115545**	**113576**	**112624**	**111864**	**112870**	**113427**	**113843**	**113091**	**112694**
6. Expatriates/ Foreign Experts/on Contract	17826	24735	22691	28092	26103	26438	27872	25900	23653
Grand Total	**133371**	**138311**	**135315**	**139956**	**138973**	**139865**	**141715**	**138991**	**136347**

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

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	2005	2006	2007	2008	2009	2010	2011	2012	2013
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	9	10
Exploration and Production									
1. Executive/Managerial	18571	18432	19459	17693	18391	18862	21727	21238	21100
2. Supervisory	4523	4778	3510	2825	2822	2790	2853	2826	2774
3. Clerical	2176	1984	8013	6256	5486	4937	720	1038	1036
4. Workman	16138	14486	7940	7142	6908	6745	8666	9846	9883
5. Sub-Total	**41408**	**39680**	**38922**	**33916**	**33607**	**33334**	**33966**	**34948**	**34793**
6. Expatriates/ Foreign Experts/ on Contract	7	14	26	19	5	17	18	18	20
Total	**41415**	**39694**	**38948**	**33935**	**33612**	**33351**	**33984**	**34966**	**34813**
Petroleum Refining									
1. Executive/Managerial	6200	6296	5659	5975	8054	8466	8618	9398	9566
2. Supervisory	2716	2809	3961	3988	4249	4383	4406	3655	3583
3. Clerical	2293	2268	2216	1929	1959	2144	1927	2035	1929
4. Workman	11445	11345	11208	11334	10926	10925	11010	10707	10555
5. Sub-Total	**22654**	**22718**	**23044**	**23226**	**25188**	**25918**	**25961**	**25795**	**25633**
6. Expatriates/ Foreign Experts/ on Contract	4205	7544	5107	6902	7557	8099	5874	9973	8304
Total	**26859**	**30262**	**28151**	**30128**	**32745**	**34017**	**31835**	**35768**	**33937**
Marketing									
1. Executive/Managerial	11799	11365	10429	10841	11006	11188	11517	13979	14180
2. Supervisory	2419	2422	3845	4015	4378	4421	4779	3160	3168
3. Clerical	4831	4400	4413	4350	3973	3671	3929	3887	3737
4. Workman	15658	15148	14621	14046	13487	12875	12252	11524	11502
5. Sub-Total	**34707**	**33335**	**33308**	**33252**	**32844**	**32155**	**32477**	**32550**	**32587**
6. Expatriates/ Foreign Experts/on Contract	5921	9982	9662	11743	9339	9303	12058	15364	14637
Total	**40628**	**43317**	**42970**	**44995**	**42183**	**41458**	**44535**	**47914**	**47224**

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

Source: Public Sector Undertakings

Energy

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

Year	Coal & Lignite			Hydro-Carbon			Power			
	Coal	Lignite	Total	Natural Gas	Crude Oil	Petroleum Products**	Thermal	Hydel	Nuclear	Electricity^
	(..... Million Tonnes.....)			(MCM)	(.... '000' Tonnes ...)		(.....Billion GWH.....)			
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*
2005-06	407.04	30.06	437.10	32202	32190	124405	506.00	101.50	17.30	698.40
2006-07	430.83	31.29	462.12	31747	33988	139748	538.40	113.50	18.80	752.50
2007-08	457.08	33.98	491.06	32417	34118	149472	585.30	120.40	16.90	813.10
2008-09	492.76	32.42	525.18	32845	33508	155148	616.10	110.10	14.90	840.90
2009-10	532.06	34.07	566.13	47496	33690	184608	677.10	104.10	18.60	906.00
2010-11	525.72	23.14	570.81	52219	37684	194821	664.82	114.42	26.27	965.67
2011-12	532.74	24.59	557.33	47559	38090	203202	708.81	130.51	32.29	1056.84
2012-13	557.53	26.22	583.75	40679	37862	217736	760.68	113.72	32.87	1112.77

* : Provisional **: Include Production from Fractionators(ONGC,OIL& Gail) ^: Includes Thermal, Hydel, Nuclear, RES and non utilities power generation

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	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
1	2	3	4	5	6	7	8
	(Constant at 2004-05 Prices)						
1. (a) Petroleum & Natural Gas	45290	47224	47553	46923	50982	56820	56047
(b) Petroleum Products $	43330	51094	59084	60236	60808	70055	71638
(c) Total	88620	98318	106637	107158	111789	126875	127685
2. Railways	31339	34832	38235	41161	44763	47404	50945
3. Transport by other means	185741	202367	219969	231564	248380	268633	291627
4. Storage	2073	2298	2375	2711	3233	3303	3612
5. Communications	60857	75669	93928	117465	154496	193737	209739
6. Electricity	54300	60494	65986	68422	72704	76680	81974
7. Gas	5449	5462	5642	6354	6476	6525	6561
8. Water Supply	7374	7405	7801	8274	9038	9568	10278
GDP at factor cost	3253073	3564364	3896636	4158676	4516071	4937006	5243582
Contribution of P&NG in GDP at factor cost	2.72	2.76	2.74	2.58	2.48	2.57	2.44
	Growth Rate (%)						
Sectors	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	CAGR*
1. (a) Petroleum & Natural Gas	4.27	0.70	-1.33	8.65	11.45	-1.36	3.62
(b) Petroleum Products	17.92	15.64	1.95	0.95	15.21	2.26	8.74
(c) Total	10.94	8.46	0.49	4.32	13.49	0.64	6.28
2. Railways	11.15	9.77	7.65	8.75	5.90	7.47	8.43
3. Transport by other means	8.95	8.70	5.27	7.26	8.15	8.56	7.81
4. Storage	10.85	3.35	14.15	19.25	2.17	9.36	9.70
5. Communications	24.34	24.13	25.06	31.53	25.40	8.26	22.90
6. Electricity	11.41	9.08	3.69	6.26	5.47	6.90	7.11
7. Gas	0.25	3.29	12.63	1.91	0.77	0.54	3.14
8. Water Supply	0.43	5.35	6.06	9.24	5.86	7.43	5.69
GDP at factor cost	9.57	9.32	6.72	8.59	9.32	6.21	8.28

$: Estimated contribution at 81% of petroluem sector in rubber +petroleum in manufacturing GDP of POL using domestic product for petroleum products & value of output for mining items. *****: Compound Annual Growth Rate in 2011-12 over 2005-06.

Source : National Account Statistics, 2013

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

(at Current Prices)

(Figures in Rs. Crore)

Sectors	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
1	2	3	4	5	6	7	8
			(at Current Prices)				
1. (a) Petroleum & Natural Gas	50541	56520	60693	65330	78408	97779	102640
(b) Petroleum Products	49852	63391	73518	84723	82978	107807	124735
(c) Total	100392	119911	134212	150053	161385	205586	227375
2. Railways	30771	37429	43608	47478	55571	55680	60476
3. Transport by other means	192716	224389	254404	289327	325126	387376	454123
4. Storage	2155	2520	2716	3213	4211	4588	5378
5. Communications	54035	58694	66069	75430	86483	80099	75472
6. Electricity	55505	61836	67317	73309	92303	106090	116480
7. Gas	5919	6071	7274	7069	8449	9591	10495
8. Water Supply	7683	8246	9239	10692	13131	15327	17842
GDP at factor cost	3390503	3953276	4582086	5303567	6108903	7266966	8353495
Contribution of P&NG in GDP	2.96	3.03	2.93	2.83	2.64	2.83	2.72
			Growth Rate (%)				
Sectors	**2006-07**	**2007-08**	**2008-09**	**2009-10**	**2010-11**	**2011-12**	**CAGR***
1. (a) Petroleum & Natural Gas	11.83	7.38	7.64	20.02	24.71	4.97	12.53
(b) Petroleum Products $	27.16	15.98	15.24	-2.06	29.92	15.70	16.52
(c) Total	19.44	11.93	11.80	7.55	27.39	10.60	14.60
2. Railways	21.64	16.51	8.87	17.05	0.20	8.61	11.92
3. Transport by other means	16.44	13.38	13.73	12.37	19.15	17.23	15.36
4. Storage	16.94	7.78	18.30	31.06	8.95	17.22	16.47
5. Communications	8.62	12.57	14.17	14.65	-7.38	-5.78	5.73
6. Electricity	11.41	8.86	8.90	25.91	14.94	9.79	13.15
7. Gas	2.57	19.81	-2.82	19.52	13.52	9.43	10.02
8. Water Supply	7.33	12.04	15.73	22.81	16.72	16.41	15.08
GDP at factor cost	16.60	15.91	15.75	15.18	18.96	14.95	16.22

$: Estimated contribution at 81% of petroluem sector in rubber +petroleum in manufacturing GDP of POL using domestic product for petroleum products & value of output for mining items. ***:** Compound Annual Growth Rate in 2011-12 over 2005-06.

Source : National Account Statistics, 2013

Plan Performance

X.1 (a) 11th Five Year Plan Outlay & Actual Expenditure for all Sectors

(Figs. In Rs. Crore)

Companies	Outlay 11th Plan	Actual Expenditure 11th Plan	2007-08		2008-09		2009-10		2010-11		2011-12		% of Actual to BE of 11th Plan
			B E	Actual	B E	Actual	B E	Actual	B E	Actual	B E	Actual	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
EXPLORATION & PRODUCTION													
ONGC-OVL	45334.00	39275.81	5287.87	4529.26	6825.14	16104.90	9365.06	4991.89	8662.79	5650.21	8686.93	7999.55	86.64
ONGC	75983.78	120552.29	17887.06	17651.04	19337.53	21820.11	20867.58	23559.05	26523.02	28275.54	30040.02	29246.55	158.66
OIL	13439.02	8191.51	1705.68	1210.33	2230.67	1631.89	2276.31	1556.86	4464.98	1742.76	3180.33	2049.67	60.95
GAIL*	10326.83	17866.85	2572.83	1317.84	3966.31	2716.24	5273.03	3540.94	5113.29	4882.45	4527.56	5409.38	173.01
IOCL	2982.00	1340.65	284.00	218.24	256.00	195.59	400.00	222.22	335.00	371.91	600.00	332.69	44.96
HPCL	2000.00	577.30	400.00	36.96	200.00	89.94	100.00	249.59	300.00	93.82	460.00	106.99	28.87
BPCL	868.00	2429.24	126.00	187.39	312.00	400.04	450.00	200.00	900.00	799.26	798.00	842.55	279.87
Sub Total	**150933.63**	**190233.65**	**28243.44**	**25151.06**	**33127.65**	**42958.71**	**38731.98**	**34320.55**	**46299.08**	**41815.95**	**48292.84**	**45987.38**	**126.04**
REFINERY & MARKETING													
HPCL	8714.00	11177.62	2593.00	1656.82	1926.50	1204.69	1290.00	2832.11	3621.00	3006.11	3541.00	2477.89	128.27
BPCL	11344.80	7305.60	1439.90	632.22	1660.00	1575.60	2898.70	2890.47	2122.00	1483.89	2067.15	723.42	64.40
CPCL (IOCL)	3275.00	2640.23	284.00	159.80	519.94	422.96	716.09	892.51	1059.90	674.78	1053.92	490.18	80.62
IOCL	30604.18	34253.61	2898.20	2487.27	5605.62	5451.79	7153.00	8767.69	10301.00	7227.84	13000.00	10319.02	111.92
NRL (BPCL)	515.00	548.18	178.00	59.24	80.00	108.42	230.00	229.04	202.24	116.36	57.47	35.12	106.44
MRPL (ONGC)	8643.02	9090.51	727.02	93.31	810.00	266.39	2020.00	1357.72	3144.99	3853.11	5164.00	3519.98	105.18
Sub Total	**63096.00**	**65015.75**	**8120.12**	**5088.65**	**10602.06**	**9029.85**	**14307.79**	**16969.54**	**20451.13**	**16362.09**	**24883.54**	**17565.61**	**103.04**
PETROCHEMICAL													
HPCL	773.00	30.91	57.00	30.91	15.00	0.00	0.00	0.00	3.00	0.00	2.00	0.00	4.00
GAIL	1618.00	1921.68	171.00	31.33	187.35	70.09	284.97	159.10	396.71	317.70	622.44	1343.46	118.77
IOCL	11844.10	13060.51	2182.50	2436.08	3955.20	4705.14	4008.00	3266.25	2189.00	2231.27	900.00	421.77	110.27
CPCL	300.00	0.00	5.00	0.00	8.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00
MRPL	83.00	603.21	83.00	0.00	15.00	15.00	28.00	56.20	11.87	136.57	0.00	395.44	726.76
NRL	110.00	104.10	10.00	4.19	21.00	28.28	20.00	0.00	35.00	22.88	43.00	48.75	94.64
SUB TOTAL	**14728.10**	**15720.41**	**2508.50**	**2502.51**	**4201.55**	**4818.51**	**4340.97**	**3481.55**	**2655.58**	**2708.42**	**1567.44**	**2209.42**	**106.74**
ENGINEERING													
Balmer Lawrie	205.00	155.34	25.00	17.26	100.00	19.10	90.00	41.34	47.00	45.03	60.00	32.61	75.78
Biecco Lawrie	31.00	0.00	5.00	0.00	8.00	0.00	5.00	0.00	5.00	0.00	8.00	0.00	0.00
Sub Total	**236.00**	**155.34**	**30.00**	**17.26**	**108.00**	**19.10**	**95.00**	**41.34**	**52.00**	**45.03**	**68.00**	**32.61**	**65.82**
Total PNG Sector	**228993.73**	**271125.15**	**38902.06**	**32759.49**	**48039.26**	**56826.17**	**57475.74**	**54812.98**	**69457.79**	**60931.49**	**74811.82**	**65795.02**	**118.40**
% OF ACTUAL TO BE		*118.40*		*84.21*		*118.29*		*95.37*		*87.72*		*87.95*	
GROSS BUDGETARY SUPPORT (GBS)													
Rajiv Gandhi Institute of Petroleum Technology	285.00	58.54	0.00	0.00	25.00	3.31	25.00	2.59	36.00	19.38	39.00	33.26	20.54
One Time Assistance for LPG Connection **	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	0.00	0.00
Strategic Storage for Crude Oil $	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	0.00	0.00
Total GBS	**285.00**	**58.54**	**0.00**	**0.00**	**25.00**	**3.31**	**25.00**	**2.59**	**38.00**	**19.38**	**41.00**	**33.26**	**20.54**
GRAND TOTAL	229278.73	271183.69	38902.06	32759.49	48064.26	56829.48	57500.74	54815.57	69495.79	60950.87	74852.82	65828.28	118.28

** 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 schemeon 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.1 (b) 12th Five Year Plan Outlay & Actual Expenditure for all Sectors

(Figs. In Rs. Crore)

Companies	12th Plan Budget Estimates as reported now	2012-13			Budget Estimate			
		Budget Estimate	Revised Estimate	Actual (Provisional)	2013-14 (BE)	2014-15	2015-16	2016-17
1	2	3	4	5	6	7	8	9
EXPLORATION & PRODUCTION								
OVL	68469.73	7909.90	13140.00	10891.41	9491.88	18011.38	16861.65	16194.92
ONGC	162842.06	33065.31	33577.00	29508.00	35049.23	34041.89	30411.32	30274.31
OIL	18986.06	3378.29	3069.52	2890.00	3580.99	4044.34	4084.90	3897.54
GAIL	21087.20	5866.77	4128.77	2965.00	4376.50	5502.38	3477.20	1864.35
IOCL	6256.06	650.00	559.57	389.88	689.00	2468.02	1254.02	1195.02
HPCL	646.00	300.00	158.00	55.99	346.00	0.00	0.00	0.00
BPCL	5501.42	1157.00	2000.00	1874.00	1226.42	919.00	1337.00	862.00
Sub Total	**283788.52**	**52327.27**	**56632.86**	**48574.28**	**54760.01**	**64987.01**	**57426.09**	**54288.14**
REFINERY & MARKETING								
HPCL	20721.77	3156.93	3191.00	2827.66	3724.84	3623.00	4407.00	5810.00
BPCL	28467.32	3322.00	1546.00	1955.60	3521.32	8254.00	8252.00	5118.00
CPCL	4351.68	785.68	279.38	260.56	299.27	998.98	1946.75	321.00
IOCL	42376.70	8900.00	9047.03	8655.72	9434.00	9428.48	7613.11	7001.11
NRL	8223.88	249.00	202.00	137.80	368.88	1524.00	2562.00	3520.00
MRPL	7050.47	3813.00	2347.47	1975.00	2347.47	95.00	445.00	350.00
Sub Total	**111191.82**	**20226.61**	**16612.88**	**15812.34**	**19695.78**	**23923.46**	**25225.86**	**22120.11**
PETROCHEMICAL								
HPCL	376.10	10.50	5.00	0.00	10.60	289.00	66.00	0.00
GAIL	7077.53	3580.50	2610.00	2997.00	3135.00	362.03	0.00	0.00
IOCL	8544.00	450.00	393.40	332.51	1153.76	1785.10	2772.07	2383.07
MRPL	4831.01	3004.00	500.00	137.00	177.01	150.00	755.00	745.00
NRL	23.00	23.00	23.00	22.80	0.00	0.00	0.00	0.00
Sub Total	**20851.64**	**7068.00**	**3531.40**	**3489.31**	**4476.37**	**2586.13**	**3593.07**	**3128.07**
ENGINEERING								
BALMER LAWRIE	220.00	55.00	55.00	67.28	70.00	37.00	31.00	27.00
BIECCO LAWRIE	31.00	8.00	8.00	0.00	7.00	6.00	5.00	5.00
Sub Total	**251.00**	**63.00**	**63.00**	**67.28**	**77.00**	**43.00**	**36.00**	**32.00**
TOTAL (P&NG Sector)	**416082.98**	**79684.88**	**76840.14**	**67943.21**	**79009.16**	**91539.60**	**86281.02**	**79568.32**
GROSS BUDGETARY SUPPORT (GBS)								
RGIPT	199.00	41.00	10.00	19.43	41.00			
LPG connection to BPL Families **	1.00	1.00	0.00	0.00	1.00			
ISPRL $	4947.00	1.00	0.00	0.00	1.00			
Sub Total (GBS) *	**5147.00**	**43.00**	**10.00**	**19.43**	**43.00**	**0.00**	**0.00**	**0.00**
GRAND TOTAL	**421229.98**	**79727.88**	**76850.14**	**67962.64**	**79052.16**	**91539.60**	**86281.02**	**79568.32**

Note : 1. I&EBR for 12th Plan includes BE for 2012-13 and 2013-14 with proposals by PSUs for remaining period of 12th Plan

2. GBS as approved by Planning Commission for 12th Plan

** = Planning Commission approved Rs.5147 crore for GBS Scheme for 12th Plan.*

$ Scheme yet to be approved by the Cabinet

** = It has since been decided that the schemeon 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 in 2012-13
1	Oil & Natural Gas Corp. Ltd. (ONGC)	8128.00
2	Oil India Ltd. (OIL)	1803.41
3	GAIL (INDIA) Ltd.	1218.00
4	Indian Oil Corp. Ltd. (IOCL)	1505.33
5	Hindustan Petroleum Corp. Ltd. (HPCL)	287.83
6	Bharat Petroleum Corp. Ltd. (BPCL)	795.39
7	Engineers India Ltd. (EIL)	202.16
8	Chennai Petroleum Corp. Ltd. (CPCL)	0.00
9	Biecco Lawrie Ltd.	0.00
10	Balmer Lawrie Ltd.	50.16
11	Numaligarh Refinery Ltd. (NRL)	73.56
12	Mangalore Refinery & Petrochemicals Ltd.	0.00
13	ONGC (Videsh) Ltd. (OVL)	0.00
14	**Total**	**14063.84**

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. holding As on 31.03.2013
1	Oil & Natural Gas Corp. Ltd. (ONGC)	15000.00	4278.00	69.23
2	Oil India Ltd. (OIL)	2000.00	601.14	68.43
3	GAIL (INDIA) Ltd.	2000.00	1268.48	57.35
4	Indian Oil Corp. Ltd. (IOCL)	6000.00	2427.95	78.92
5	Hindustan Petroleum Corp. Ltd. (HPCL)	350.00	338.63	51.11
6	Bharat Petroleum Corp. Ltd. (BPCL)	2500.00	723.08	0.55
7	Engineers India Ltd. (EIL)	300.00	168.47	80.40
8	Chennai Petroleum Corp. Ltd. (CPCL)	400.00	149.00	0.00
9	Biecco Lawrie Ltd.	75.00	74.76	32.23
10	Balmer Lawrie Ltd.	30.00	16.29	0.00
11	Numaligarh Refinery Ltd. (NRL)	1000.00	735.63	0.00
12	Mangalore Refinery & Petrochemicals Ltd.	2000.00	1752.66	0.00
13	ONGC (Videsh) Ltd. (OVL)	5000.00	5000.00	0.00
14	**Total**	**36655.00**	**17534.09**	**438.22**

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)

S.No.	Name of PSUs	Profit after tax during							
		2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
1	Indian Oil Corporation Ltd.	4915.12	7499.47	7500.00	2950.00	10221.00	7445.48	3954.62	5005.17
2	Bharat Petroleum Corporation Ltd.	291.65	1805.48	1805.00	736.00	1536.00	1546.48	1311.27	2642.9
3	Hindustan Petroleum Corporation Ltd.	405.63	1571.17	1571.00	575.00	1301.00	1539.01	911.43	904.71
4	Oil & Natural Gas Corporation Ltd.	14430.78	15643.00	15643.00	16126.00	16126.00	18924.00	25123.00	20926
5	Oil India Ltd.	1689.93	1639.99	1640.00	2162.00	2611.00	2888.00	3446.92	3,589.34
6	GAIL (India) Ltd.	2310.00	2387.00	2387.00	2804.00	3140.00	3561.00	3654.00	4,022.00
7	Bongaigaon Refinery & Petrochemicals Ltd.	174.76	184.98	306.82	#	#	#	#	#
8	Engineers India Ltd.	138.64	142.99	143.00	345.00	436.00	522.52	636.32	628.58
9	Chennai Petroleum Corporation Ltd.	480.96	565.27	565.00	-397.00	603.00	511.52	61.83	-1766.84
10	Biecco Lawrie Ltd.	-	-	-	-	-	3.75	-15.27	-14.74
11	Balmer Lawrie Ltd.	-	-	-	-	-	117.80	138.07	162.77
12	IBP Co. Ltd.	12.44	#	#	#	#	#	#	#
13	Numaligarh Refineries Ltd.	448.93	568.80	569.00	236.00	232.00	279.26	183.70	144.26
14	Mangalore Refinery & Petrochemicals Ltd.	371.61	525.52	526.00	1193.00	1112.00	1176.63	908.58	-756.91
15	ONGC (Videsh) Ltd. (OVL)	901.19	1663.29	2397.14	NA	2089.58	2690.55	2721.15	3,929.14
16	**Total**	**26571.64**	**34196.96**	**35052.96**	**26730**	**39407.58**	**41206**	**43035.62**	**39416.38**

#: Merged with IOCL.

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 2012-13

S. No. No.	Performance Parameters	Unit	ONGC	OVL	IOC	GAIL	HPCL	OIL	BPCL	CPCL	MRPL	NRL	EIL	Balmer Lawrie	Biecco Lawrie
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*	*14*	*15*	*16*
1	Authorised Capital	Rs./Crore	15000	5000	6000	2000	350	2000	2500	400	2000	1000	300	30	75
2	Paid up Capital	Rs./Crore	4278	5000	2428	1268	339	601	723	149	1753	736	168	16	75
3	Govt. equity in the PSU	%age	69.23	0.00	78.92	57.35	51.11	68.43	0.55	0.00	0.00	0.00	80.40	0.00	32.23
4	Gross Turnover	Rs./Crore	83309	18029	414909	48005	215675	9948	250538	46842	68834	8753	2506	2762	49
5	PAT	Rs./Crore	20926	3929	5005	4022	905	3589	2643	-1767	-757	144	629	163	-15
6	HALF year PAT	Rs/crore	11974	1649	-12840	1903	-6922	1885	-3802	-910	-335	-272	316	80	-7
7	Debt equity ratio	Ratio	0.00	0.50:1	1.32:1	0.38:1	0.75:1	0.06	1.43	2.91	0.94	0.02	0.00	0.00	0.00
8	Reserves & Surpluses	Rs./Crore	120176	24167	58696	22959	13387	18610	15911	1877	4715	2022	2069	707	-79
9	Networth	Rs./Crore	122967	291661	61124	24038	13726	19211	16634	2026	6468	2757	2238	723	-5
10	Dividend paid / payable	Rs./Crore	8128	0	1505	1218	288	1803	795	0	0	74	202	50	0
11	Dividend as a%ageofequity	%age	190.00	0.00	62.00	96.00	85.00	300.00	110.00	0.00	0.00	10.00	120.00	30.82	0.00
12	Dividend as a %age of PAT	%age	38.84	0.00	30.08	30.28	31.82	50.24	30.10	0.00	0.00	50.99	32.16	308.00	0.00
13	EPS	Rs.	24	82	21	32	27	60	37	-119	-4	2	19	100	-2
14	payoutratio	%age	38.84	0.00	30.08	30.28	31.82	50.24	30.10	0.00	0.00	51.00	32.16	36.06	0.00
15	Total outstanding loan	Rs./Crore	0	14287	80894	9064	33789	1058	23839	5905	5781	417	0	0	18

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 2012-13 (R.E.)	Revised 2012-13					Plan Outlay 2011-12 (B.E.)	Budget 2013-14				
		Internal Resouces	Bonds/ Debentures	E.C.B./ Suppliers Credit	Other	Total		Internal Resouces	Bonds/ Debentures	E.C.B./ Suppliers Credit	Other	Total
1	2	3	4	5	6	7	8	9	10	11	12	13
1. Balmer Lawrie and Company Ltd.	55.00	55.00	0.00	0.00	0.00	55.00	70.00	50.00	0.00	0.00	20.00	70.00
2. Bharat Petroleum Corporation Ltd.	3546.00	0.00	2046.00	1500.00	0.00	3546.00	4747.74	2334.80	1000.00	1076.42	336.52	4747.74
3. Biecco Lawrie Ltd.	8.00	0.00	0.00	0.00	8.00	8.00	7.00	0.00	0.00	0.00	7.00	7.00
4. Gas Authority of India Ltd.	6738.77	1244.04	749.52	2819.78	1925.43	6738.77	7511.50	1179.45	749.93	999.90	4582.22	7511.50
5. Hindustan Petroleum Corporation Ltd.	3354.00	0.00	654.00	2200.00	500.00	3354.00	4081.44	0.00	720.00	2200.60	1160.84	4081.44
6. Indian Oil Corporation Ltd.	10000.00	1169.00	3017.57	1658.00	4155.43	10000.00	11276.76	2619.00	4750.00	1375.00	2532.76	11276.76
7. Chennai Petroleum Corporation Ltd.	279.38	-1606.98	1000.00	0.00	886.36	279.38	299.27	81.06	0.00	0.00	218.21	299.27
8. Numligarh Refinery Ltd.	225.00	105.00	0.00	0.00	120.00	225.00	368.88	147.33	0.00	0.00	221.55	368.88
9. Oil & Natural Gas Corporation	33577.00	33577.00	0.00	0.00	0.00	33577.00	35049.23	35049.23	0.00	0.00	0.00	35049.23
10. Oil India Ltd.	3069.52	3069.52	0.00	0.00	0.00	3069.52	3580.99	3580.99	0.00	0.00	0.00	3580.99
11. Oil & Natural Gas Corporation-Videsh Ltd.	13140.00	7094.70	0.00	-567.80	6613.10	13140.00	9491.88	6974.70	0.00	-1007.41	3524.59	9491.88
12. Manglore Refineries & Petro-Chemicals Ltd.	2847.47	383.62	0.00	1063.85	1400.00	2847.47	2524.48	491.44	0.00	0.00	2033.04	2524.48
Total	76840.14	45090.90	7467.09	8673.83	15608.32	76840.14	79009.17	52508.00	7219.93	4644.51	14636.73	79009.17

Souce: Expenditure Budget 2012-13(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	2014-15	2015-16	2016-17	
ONGC	22.56	28.27	28.00	26.29	25.46	130.58
OIL	3.66	4.00	4.06	4.16	4.20	20.08
Pvt./JV	11.64	13.30	12.70	12.10	11.50	61.24
Total	**37.86**	**45.57**	**44.76**	**42.55**	**41.16**	**211.90**

* 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 BCM)

Company	Natural Gas Production					Total
	2012-13 (Actual)	2013-14	2014-15	2015-16	2016-17	
ONGC	23.55	25.47	26.67	28.22	38.68	142.58
OIL	2.64	3.80	4.00	4.10	4.20	18.74
Pvt./JV	14.49	14.50	16.50	18.50	21.00	84.99
Total	**40.68**	**43.77**	**47.17**	**50.82**	**63.88**	**246.31**
Total (MMSCMD)	**111.43**	**119.90**	**129.20**	**138.80**	**175.00**	**136.20**

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	2014-15	2015-16	2016-17	
Domestic Sources	109	149	170	177	209	814
Imports-LNG	34	87	87	129	150	487
Total Availability	**143**	**236**	**257**	**306**	**359**	**1301**

* 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	6.362	6.346	6.567	6.555	32.300
Producing Assets	Gas (BCM)	2.918	2.600	2.183	2.196	2.573	12.132
	Oil and Gas (MMTOE)	7.248	8.962	8.529	8.763	9.129	44.433
	Oil	0.002	0.255	0.670	1.052	1.419	3.428
Development Assets	Gas	0.000	0.410	0.810	0.910	0.910	3.030
	Oil and Gas (MMTOE)	0.002	0.664	1.484	1.957	2.324	6.461
Exploratory Asset	Oil	0.000	0.193	0.214	0.210	0.183	0.863
(Syria Block 24)	Gas	0.000	--	--	--	--	--
	Oil and Gas (MMTOE)	0.000	0.193	0.214	0.210	0.183	0.863
Existing Assets	Total Oil (MMT)	4.332	6.810	7.230	7.829	8.157	36.591
Total	Total Gas (BCM)	2.918	3.009	2.997	3.101	3.478	15.165
	Total Oil & Gas (MMTOE)	***7.250***	***9.819***	***10.228***	***10.930***	***11.636***	***51.757***
New Ventures	Oil & Gas (MMTOE)	0.011	0.930	1.990	3.050	4.110	10.080
Grand Total	**Existing + NV (MMTOE)**	**7.260**	**10.749**	**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	15.00	15.00	15.00
	Sub-total	***54.20***	***54.20***	***69.20***	***74.00***	***77.00***
CPCL	Manali	10.50	10.50	11.10	11.10	11.10
	Nagapattinam	1.00	1.00	1.00	1.00	1.00
	Sub-total	***11.50***	***11.50***	***12.10***	***12.10***	***12.10***
HPCL	Mumbai	6.50	6.50	8.20	8.20	8.20
	Visakh	8.30	8.30	**9.00**	**9.00**	15.00
	New Refinery					9.00
	Sub-total	***14.80***	***14.80***	***17.20***	***17.20***	***32.20***
BPCL	Mumbai	12.00	12.00	13.50	13.50	13.50
	Kochi	9.50	9.50	9.50	15.50	15.50
	Sub-total	***21.50***	***21.50***	***23.00***	***29.00***	***29.00***
NRL	Numaligarh	3.00	3.00	3.00	3.00	8.00
BORL	Bina	6.00	6.00	7.20	7.20	9.00
HMEL	Bhatinda	9.00	9.00	9.00	9.00	9.00
MRPL	Managalore	15.00	15.00	16.00	16.50	18.00
ONGC	Tatipaka	0.066	0.066	0.066	0.066	0.066
	Sub-total	***33.07***	***33.07***	***35.27***	***35.77***	***44.07***
Total PSU/JV refineries		**135.066**	**135.066**	**156.766**	**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-toal	***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	6.00	6.10	15.00
Total Private Refineries		**78.00**	**80.00**	**86.00**	**96.90**	**113.00**
GRAND TOTAL		**213.066**	**215.066**	**242.766**	**264.966**	**307.366**

^: 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	15.61	18.36	19.68	20.86	21.83	96.33
MS	15.74	17.53	19.08	20.77	22.59	95.71
NAPHTHA/NGL	12.34	11.42	11.42	11.02	11.02	57.22
ATF	5.27	6.59	7.20	7.85	8.54	35.45
SKO	7.50	7.63	7.33	7.03	6.75	36.24
HSDO	69.17	68.65	72.59	76.90	81.60	368.92
LDO	0.40	0.40	0.40	0.40	0.40	2.00
LUBES	2.69	2.77	2.86	2.95	3.04	14.30
FO/LSHS	7.68	7.90	7.90	7.87	7.87	39.23
BITUMEN	4.66	5.54	5.73	5.97	6.11	28.02
PET COKE	9.95	7.51	8.35	9.27	10.29	45.37
OTHERS	5.52	6.13	6.11	6.09	6.16	30.00
Total (Petroleum Products)	**156.53**	**160.44**	**168.64**	**176.97**	**186.21**	**848.78**
2. Natural Gas (MMSCMD)	**108.99**	**371**	**405**	**446**	**473**	**1803.99**

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	**219.210**	**245.308**	247.008	**261.828**	**286.618**	**1259.972**
2. Petroleum Products						
LPG	9.82	10.345	10.659	11.358	13.087	55.274
Naphtha	19.02	18.772	18.695	20.088	22.713	99.286
MS	30.12	31.620	32.679	36.003	38.763	169.183
HSD	91.10	97.570	100.178	106.222	116.520	511.593
ATF	10.09	12.643	12.843	14.316	16.037	65.927
SKO	7.97	8.697	8.980	9.400	9.743	44.791
LDO	0.40	0.338	0.338	0.163	0.218	1.457
FO/LSHS	15.05	15.557	11.408	11.186	10.084	63.289
BITUMEN	4.67	5.482	5.595	5.446	5.620	26.813
LUBES & GREASES	0.90	0.871	0.883	0.895	1.302	4.847
OTHERS	28.59	28.03	29.54	31.70	35.52	153.384
Total (Petroleum Products)	**217.74**	**229.923**	**231.797**	**246.776**	**269.611**	**1195.843**

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 2012

Country/ Region	Thousand million tonnes	Thousand million barrels	Share of total	R/P ratio
1	2	3	4	5
US	4.2	35.0	2.1%	10.7
Canada	28.0	173.9	10.4%	*
Mexico	1.6	11.4	0.7%	10.7
Total North America	**33.8**	**220.2**	**13.2%**	**38.7**
Argentina	0.3	2.5	0.1%	10.2
Brazil	2.2	15.3	0.9%	19.5
Colombia	0.3	2.2	0.1%	6.4
Ecuador	1.2	8.2	0.5%	44.6
Peru	0.2	1.2	0.1%	31.5
Trinidad & Tobago	0.1	0.8	•	18.8
Venezuela	46.5	297.6	17.8%	*
Other S. & Cent. America	0.1	0.5	•	9.7
Total S. & Cent. America	**50.9**	**328.4**	**19.7%**	*
Azerbaijan	1.0	7.0	0.4%	21.9
Denmark	0.1	0.7	•	9.7
Italy	0.2	1.4	0.1%	33.7
Kazakhstan	3.9	30.0	1.8%	47.4
Norway	0.9	7.5	0.4%	10.7
Romania	0.1	0.6	•	19.1
Russian Federation	11.9	87.2	5.2%	22.4
Turkmenistan	0.1	0.6	•	7.4
United Kingdom	0.4	3.1	0.2%	8.8
Uzbekistan	0.1	0.6	•	24.0
Other Europe & Eurasia	0.3	2.1	0.1%	14.8
Total Europe & Eurasia	**19.0**	**140.8**	**8.4%**	**22.4**
Iran	21.6	157.0	9.4%	*
Iraq	20.2	150.0	9.0%	*
Kuwait	14.0	101.5	6.1%	88.7
Oman	0.7	5.5	0.3%	16.3
Qatar	2.5	23.9	1.4%	33.2
Saudi Arabia	36.5	265.9	15.9%	63.0
Syria	0.3	2.5	0.1%	41.7
United Arab Emirates	13.0	97.8	5.9%	79.1
Yemen	0.4	3.0	0.2%	45.4
Other Middle East	0.1	0.6	•	8.4
Total Middle East	**109.3**	**807.7**	**48.4%**	**78.1**

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XI.1 (a) World Proved Reserves of Crude Oil at end 2012

Country/ Region	Thousand million tonnes	Thousand million barrels	Share of total	R/P ratio
1	2	3	4	5
Algeria	1.5	12.2	0.7%	20.0
Angola	1.7	12.7	0.8%	19.4
Chad	0.2	1.5	0.1%	40.7
Rep. of Congo (Brazzaville)	0.2	1.6	0.1%	14.8
Egypt	0.6	4.3	0.3%	16.1
Equatorial Guinea	0.2	1.7	0.1%	16.5
Gabon	0.3	2.0	0.1%	22.3
Libya	6.3	48.0	2.9%	86.9
Nigeria	5.0	37.2	2.2%	42.1
South Sudan	0.5	3.5	0.2%	*
Sudan	0.2	1.5	0.1%	50.0
Tunisia	0.1	0.4	•	17.9
Other Africa	0.5	3.7	0.2%	43.0
Total Africa	**17.3**	**130.3**	**7.8%**	**37.7**
Australia	0.4	3.9	0.2%	23.4
Brunei	0.1	1.1	0.1%	19.0
China	2.4	17.3	1.0%	11.4
India	0.8	5.7	0.3%	17.5
Indonesia	0.5	3.7	0.2%	11.1
Malaysia	0.5	3.7	0.2%	15.6
Thailand	0.1	0.4	•	2.7
Vietnam	0.6	4.4	0.3%	34.5
Other Asia Pacific	0.1	1.1	0.1%	10.5
Total Asia Pacific	**5.5**	**41.5**	**2.5%**	**13.6**
Total World	**235.8**	**1668.9**	**100.0%**	**52.9**

* 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 thefuture 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' are an 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, 2013.

XI.1 (b) World Proved Reserves of Natural Gas at end 2012

Country/ Region	Trillion cubic feet	Trillion cubic metres	Share of total	R/P ratio
1	2	3	4	5
US	300.0	8.5	4.5%	12.5
Canada	70.0	2.0	1.1%	12.7
Mexico	12.7	0.4	0.2%	6.2
Total North America	**382.7**	**10.8**	**5.8%**	**12.1**
Argentina	11.3	0.3	0.2%	8.5
Bolivia	11.2	0.3	0.2%	17.0
Brazil	16.0	0.5	0.2%	26.0
Colombia	5.5	0.2	0.1%	12.9
Peru	12.7	0.4	0.2%	27.9
Trinidad & Tobago	13.3	0.4	0.2%	8.9
Venezuela	196.4	5.6	3.0%	*
Other S. & Cent. America	2.0	0.1	•	15.5
Total S. & Cent. America	**268.3**	**7.6**	**4.1%**	**42.8**
Azerbaijan	31.5	0.9	0.5%	57.1
Denmark	1.3	0.0	•	5.9
Germany	2.0	0.1	•	6.1
Italy	1.9	0.1	•	7.0
Kazakhstan	45.7	1.3	0.7%	65.6
Netherlands	36.7	1.0	0.6%	16.3
Norway	73.8	2.1	1.1%	18.2
Poland	4.2	0.1	0.1%	28.3
Romania	3.6	0.1	0.1%	9.3
Russian Federation	1162.5	32.9	17.6%	55.6
Turkmenistan	618.1	17.5	9.3%	*
Ukraine	22.7	0.6	0.3%	34.6
United Kingdom	8.7	0.2	0.1%	6.0
Uzbekistan	39.7	1.1	0.6%	19.7
Other Europe & Eurasia	10.1	0.3	0.2%	29.2
Total Europe & Eurasia	**2062.5**	**58.4**	**31.2%**	**56.4**
Bahrain	7.0	0.2	0.1%	14.0
Iran	1187.3	33.6	18.0%	*
Iraq	126.7	3.6	1.9%	*
Kuwait	63.0	1.8	1.0%	*
Oman	33.5	0.9	0.5%	32.8
Qatar	885.1	25.1	13.4%	*
Saudi Arabia	290.8	8.2	4.4%	80.1
Syria	10.1	0.3	0.2%	37.5
United Arab Emirates	215.1	6.1	3.3%	*
Yemen	16.9	0.5	0.3%	63.1
Other Middle East	7.3	0.2	0.1%	78.0
Total Middle East	**2842.9**	**80.5**	**43.0%**	*

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XI.1 (b) World Proved Reserves of Natural Gas at end 2012

Country/ Region	Trillion cubic feet	Trillion cubic metres	Share of total	R/P ratio
1	2	3	4	5
Algeria	159.1	4.5	2.4%	55.3
Egypt	72.0	2.0	1.1%	33.5
Libya	54.6	1.5	0.8%	*
Nigeria	182.0	5.2	2.8%	*
Other Africa	44.3	1.3	0.7%	68.1
Total Africa	**512.0**	**14.5**	**7.7%**	**67.1**
Australia	132.8	3.8	2.0%	76.6
Bangladesh	6.5	0.2	0.1%	8.4
Brunei	10.2	0.3	0.2%	22.9
China	109.3	3.1	1.7%	28.9
India	47.0	1.3	0.7%	33.1
Indonesia	103.3	2.9	1.6%	41.2
Malaysia	46.8	1.3	0.7%	20.3
Myanmar	7.8	0.2	0.1%	17.4
Pakistan	22.7	0.6	0.3%	15.5
Papua New Guinea	15.6	0.4	0.2%	*
Thailand	10.1	0.3	0.2%	6.9
Vietnam	21.8	0.6	0.3%	65.6
Other Asia Pacific	11.8	0.3	0.2%	18.6
Total Asia Pacific	**545.6**	**15.5**	**8.2%**	**31.5**
Total World	**6614.1**	**187.3**	**100.0%**	**55.7**

* 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, 2013.

XI.2 World Crude Oil Production*

(Million Tonnes)

Country/Region	2005	2006	2007	2008	2009	2010	2011	2012	2012 share of total
1	2	3	4	5	6	7	8	9	10
US	309.1	304.7	305.2	302.3	322.4	332.9	345.7	394.9	9.6%
Canada	142.3	150.6	155.3	152.9	152.8	160.3	170.4	182.6	4.4%
Mexico	186.5	182.5	172.2	156.9	146.7	145.6	144.5	143.9	3.5%
Total North America	**637.9**	**637.8**	**632.7**	**612.0**	**621.9**	**638.8**	**660.7**	**721.4**	**17.5%**
Argentina	39.4	39.1	38.0	36.5	34.9	34.0	32.2	31.0	0.8%
Brazil	88.7	93.7	95.2	98.8	105.6	111.4	114.2	112.2	2.7%
Colombia	27.7	27.9	28.0	31.1	35.3	41.4	48.2	49.9	1.2%
Ecuador	28.6	28.8	27.5	27.2	26.1	26.1	26.8	27.1	0.7%
Peru	4.5	4.6	4.6	4.7	4.8	5.1	4.9	4.8	0.1%
Trinidad & Tobago	9.0	9.6	8.2	8.7	7.6	7.4	6.9	6.0	0.1%
Venezuela	169.7	171.0	165.5	165.6	155.7	145.7	141.5	139.7	3.4%
Other S. & Cent. America	7.4	7.1	7.2	7.1	6.9	6.9	7.0	7.3	0.2%
Total S. & Cent. America	**374.9**	**381.8**	**374.2**	**379.7**	**376.9**	**377.9**	**381.7**	**378.0**	**9.2%**
Azerbaijan	22.2	32.3	42.6	44.5	50.4	50.8	45.6	43.4	1.1%
Denmark	18.4	16.7	15.2	14.0	12.9	12.2	10.9	10.1	0.2%
Italy	6.1	5.8	5.9	5.2	4.6	5.1	5.3	5.4	0.1%
Kazakhstan	62.6	66.1	68.4	72.0	78.2	81.6	82.4	81.3	2.0%
Norway	138.7	129.0	118.6	114.7	108.8	98.9	93.8	87.5	2.1%
Romania	5.4	5.0	4.7	4.7	4.5	4.3	4.2	4.1	0.1%
Russian Federation	474.8	485.6	496.8	493.7	500.8	511.8	518.5	526.2	12.8%
Turkmenistan	9.5	9.2	9.8	10.3	10.4	10.7	10.7	11.0	0.3%
United Kingdom	84.6	76.5	76.7	72.0	68.2	62.8	51.9	45.0	1.1%
Uzbekistan	5.4	5.4	4.9	4.8	4.5	3.6	3.6	3.2	0.1%
Other Europe & Eurasia	22.0	21.7	21.6	20.6	19.9	19.2	19.2	19.2	0.5%
Total Europe & Eurasia	**849.8**	**853.2**	**865.2**	**856.6**	**863.1**	**861.0**	**846.1**	**836.4**	**20.3%**
Iran	206.4	209.2	210.9	214.5	205.5	208.8	208.2	174.9	4.2%
Iraq	89.9	98.0	105.1	119.3	119.9	121.5	136.7	152.4	3.7%
Kuwait	130.4	133.7	129.9	136.1	121.2	122.5	139.7	152.5	3.7%
Oman	38.5	36.6	35.3	37.7	40.3	42.9	44.1	45.8	1.1%
Qatar	52.6	56.8	57.9	65.0	62.4	72.1	78.2	83.3	2.0%
Saudi Arabia	521.3	508.9	488.9	509.9	456.7	473.8	526.0	547.0	13.3%
Syria	22.3	21.0	20.1	20.3	20.0	19.2	16.3	8.2	0.2%
United Arab Emirates	135.8	144.3	139.6	141.4	126.2	133.3	151.3	154.1	3.7%
Yemen	19.8	18.1	15.9	14.8	14.3	13.5	10.6	8.3	0.2%
Other Middle East	9.1	8.9	9.3	9.3	9.4	9.4	10.0	10.1	0.2%
Total Middle East	**1226.0**	**1235.7**	**1213.0**	**1268.2**	**1176.1**	**1217.2**	**1321.0**	**1336.8**	**32.5%**

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XI.2 World Crude Oil Production*

(Million Tonnes)

Country/Region	2005	2006	2007	2008	2009	2010	2011	2012	2012 share of total
1	2	3	4	5	6	7	8	9	10
Algeria	86.4	86.2	86.5	85.6	77.2	74.1	73.5	73.0	1.8%
Angola	68.9	69.3	82.1	93.1	87.6	90.5	83.8	86.9	2.1%
Chad	9.1	8.0	7.5	6.7	6.2	6.4	6.0	5.3	0.1%
Rep. of Congo (Brazzaville)	12.3	14.0	11.4	12.1	13.9	15.1	15.1	15.3	0.4%
Egypt	33.2	34.5	33.8	34.7	35.3	35.0	35.3	35.4	0.9%
Equatorial Guinea	16.4	15.6	15.9	16.1	14.2	12.6	11.6	13.2	0.3%
Gabon	13.5	12.1	12.3	12.0	12.0	12.7	12.7	12.3	0.3%
Libya	82.2	85.3	85.3	85.5	77.4	77.7	22.5	71.1	1.7%
Nigeria	122.1	116.6	110.2	102.8	106.6	121.3	118.2	116.2	2.8%
South Sudan	-	-	-	-	-	-	-	1.5	•
Sudan	15.0	16.3	23.1	23.7	23.4	22.9	22.3	4.1	0.1%
Tunisia	3.4	3.3	4.6	4.2	4.0	3.8	3.2	3.1	0.1%
Other Africa	8.6	11.2	9.7	9.5	9.2	8.3	11.5	11.6	0.3%
Total Africa	**471.1**	**472.3**	**482.2**	**486.0**	**466.8**	**480.6**	**415.7**	**449.0**	**10.9%**
Australia	24.2	23.3	24.3	24.8	24.6	25.4	21.7	19.9	0.5%
Brunei	10.1	10.8	9.5	8.6	8.3	8.5	8.1	7.8	0.2%
China	181.4	184.8	186.3	190.4	189.5	203.0	202.9	207.5	5.0%
India	36.6	37.8	37.9	37.9	37.2	40.8	42.3	42.0	1.0%
Indonesia	53.7	50.2	47.8	49.4	48.4	48.6	46.3	44.6	1.1%
Malaysia	34.6	32.7	33.8	34.0	32.2	32.0	28.9	29.7	0.7%
Thailand	11.4	12.5	13.2	14.0	14.6	14.8	14.8	16.2	0.4%
Vietnam	19.0	17.2	16.3	15.2	16.7	15.3	15.5	17.0	0.4%
Other Asia Pacific	12.4	13.1	13.9	14.8	14.4	13.8	13.1	12.5	0.3%
Total Asia Pacific	**383.3**	**382.4**	**383.1**	**389.3**	**385.8**	**402.3**	**393.6**	**397.3**	**9.6%**
Total World	**3943.1**	**3963.3**	**3950.4**	**3991.8**	**3890.6**	**3977.8**	**4018.8**	**4118.9**	**100.0%**

• 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, 2013.

XI.3 Crude Oil Production by OPEC Member Countries

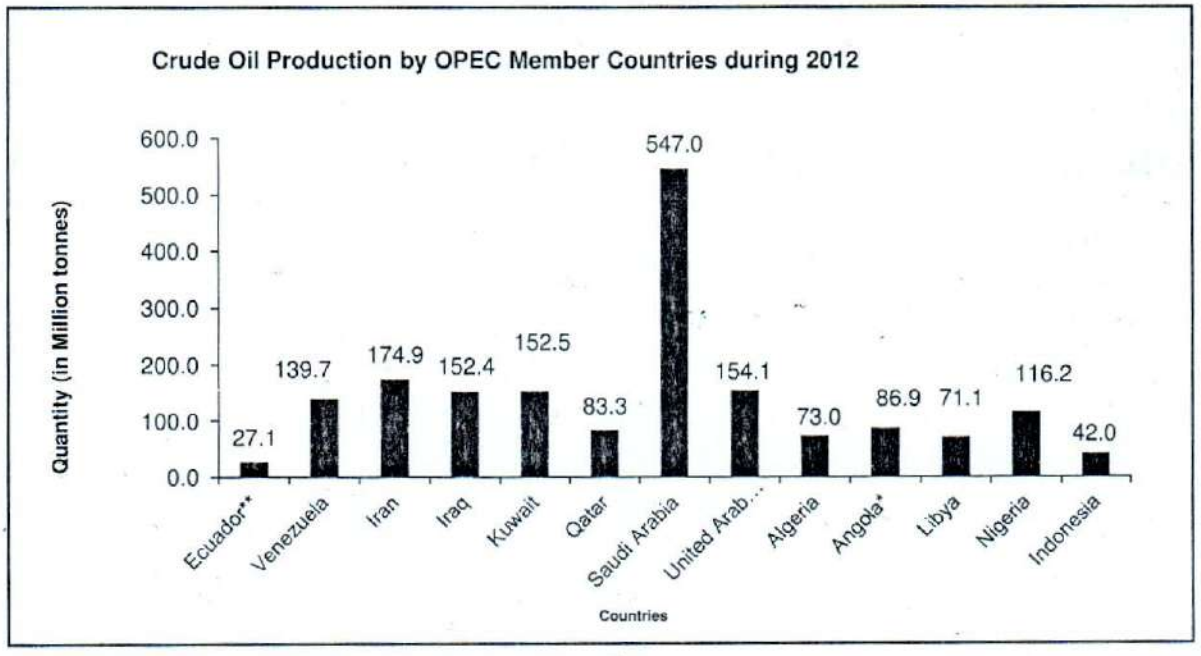
(Million Tonnes)

OPEC Countries	2005	2006	2007	2008	2009	2010	2011	2012	2012 share of total
1	2	3	4	5	6	7	8	9	10
Ecuador**	28.6	28.8	27.5	27.2	26.1	26.1	26.8	27.1	1.5%
Venezuela	169.7	171.0	165.5	165.6	155.7	145.7	141.5	139.7	7.7%
Iran	206.4	209.2	210.9	214.5	205.5	208.8	208.2	174.9	9.6%
Iraq	89.9	98.0	105.1	119.3	119.9	121.5	136.7	152.4	8.4%
Kuwait	130.4	133.7	129.9	136.1	121.2	122.5	139.7	152.5	8.4%
Qatar	52.6	56.8	57.9	65.0	62.4	72.1	78.2	83.3	4.6%
Saudi Arabia	521.3	508.9	488.9	509.9	456.7	473.8	526.0	547.0	30.0%
United Arab Emirates	135.8	144.3	139.6	141.4	126.2	133.3	151.3	154.1	8.5%
Algeria	86.4	86.2	86.5	85.6	77.2	74.1	73.5	73.0	4.0%
Angola*	68.9	69.3	82.1	93.1	87.6	90.5	83.8	86.9	4.8%
Libya	82.2	85.3	85.3	85.5	77.4	77.7	22.5	71.1	3.9%
Nigeria	122.1	116.6	110.2	102.8	106.6	121.3	118.2	116.2	6.4%
Indonesia	36.6	37.8	37.9	37.9	37.2	40.8	42.3	42.0	2.3%
Total OPEC	**1730.8**	**1745.9**	**1727.1**	**1784.0**	**1659.7**	**1708.5**	**1748.6**	**1820.4**	100.0%

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, 2013.



XI.4 World Production* of Natural Gas

Million tonnes oil equivalent

Country/Region	2005	2006	2007	2008	2009	2010	2011	2012	2012 share of total
1	2	3	4	5	6	7	8	9	10
US	467.6	479.3	498.6	521.7	532.7	549.5	589.8	619.2	20.4%
Canada	168.4	169.6	164.4	158.9	147.6	143.9	143.7	140.9	4.6%
Mexico	47.1	51.6	48.3	48.0	53.4	51.8	52.4	52.6	1.7%
Total North America	**683.1**	**700.5**	**711.3**	**728.6**	**733.7**	**745.2**	**786.0**	**812.7**	**26.8%**
Argentina	41.1	41.5	40.3	39.7	37.2	36.1	34.9	34.0	1.1%
Bolivia	10.7	11.6	12.4	12.9	11.1	12.8	14.8	16.8	0.6%
Brazil	9.8	10.0	10.1	12.6	10.5	13.0	15.1	15.7	0.5%
Colombia	6.0	6.3	6.8	8.2	9.5	10.1	9.9	10.8	0.4%
Peru	1.4	1.6	2.4	3.1	3.1	6.5	10.2	11.6	0.4%
Trinidad & Tobago	29.7	36.1	38.0	37.8	39.3	40.3	38.6	38.0	1.3%
Venezuela	24.7	28.3	26.6	27.0	25.8	27.9	28.1	29.5	1.0%
Other S. & Cent. America	3.1	3.4	3.5	3.3	3.8	3.2	2.8	3.2	0.1%
Total S. & Cent. America	**126.5**	**138.9**	**140.1**	**144.4**	**140.3**	**150.0**	**154.3**	**159.6**	**5.3%**
Azerbaijan	4.7	5.5	8.8	13.3	13.3	13.6	13.3	14.0	0.5%
Denmark	9.4	9.4	8.3	9.1	7.6	7.4	6.4	5.8	0.2%
Germany	14.2	14.1	12.9	11.7	11.0	9.6	9.0	8.1	0.3%
Italy	10.0	9.1	8.0	7.6	6.6	6.8	6.9	7.0	0.2%
Kazakhstan	12.2	12.5	15.0	16.8	16.0	15.8	17.3	17.7	0.6%
Netherlands	56.3	55.4	54.5	60.0	56.4	63.5	57.8	57.5	1.9%
Norway	76.6	79.1	80.7	89.4	94.3	96.9	91.6	103.4	3.4%
Poland	3.9	3.9	3.9	3.7	3.7	3.7	3.8	3.8	0.1%
Romania	11.2	10.7	10.4	10.3	10.1	9.8	9.8	9.8	0.3%
Russian Federation	522.1	535.6	532.8	541.5	474.9	530.0	546.3	533.0	17.6%
Turkmenistan	51.3	54.3	58.9	59.5	32.7	38.1	53.6	57.9	1.9%
Ukraine	16.7	16.9	16.9	17.1	17.3	16.3	16.8	16.7	0.6%
United Kingdom	79.4	72.0	64.9	66.1	56.2	53.7	42.8	36.9	1.2%
Uzbekistan	48.6	49.0	53.2	56.0	54.0	53.7	51.3	51.2	1.7%
Other Europe & Eurasia	9.8	10.3	9.7	9.2	8.8	9.1	9.1	8.8	0.3%
Total Europe & Eurasia	**926.2**	**937.9**	**938.8**	**971.4**	**862.9**	**928.0**	**935.9**	**931.9**	**30.7%**

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XI.4 World Production of Natural Gas*

Million tonnes oil equivalent

Country/Region	2005	2006	2007	2008	2009	2010	2011	2012	2012 share of total
1	2	3	4	5	6	7	8	9	10
Bahrain	9.6	10.2	10.6	11.4	11.5	11.8	12.0	12.8	0.4%
Iran	93.2	97.7	100.7	104.7	118.0	131.5	136.6	144.5	4.8%
Iraq	1.3	1.3	[illegible]	1.7	1.0	1.2	0.8	0.7	w
Kuwait	11.0	11.3	10.9	11.5	10.3	10.6	12.2	13.1	0.4%
Oman	17.8	21.3	21.6	21.7	22.3	24.4	23.9	26.1	0.9%
Qatar	41.2	45.6	56.9	69.3	80.4	105.0	130.7	141.3	4.7%
Saudi Arabia	64.1	66.2	67.0	72.4	70.6	78.9	83.0	92.5	3.0%
Syria	4.9	5.1	5.0	4.8	5.0	7.2	7.9	6.8	0.2%
United Arab Emirates	43.0	44.1	45.3	45.2	43.9	46.2	47.1	46.5	1.5%
Yemen	-	-	-	-	0.7	5.6	8.7	6.8	0.2%
Other Middle East	1.7	2.3	2.7	3.3	2.7	3.0	4.0	2.4	0.1%
Total Middle East	**287.9**	**305.1**	**322.0**	**345.8**	**366.6**	**425.4**	**466.8**	**493.6**	**16.3%**
Algeria	79.4	76.0	76.3	77.2	71.6	72.4	74.4	73.4	2.4%
Egypt	38.3	49.2	50.1	53.1	56.4	55.2	55.3	54.8	1.8%
Libya	10.2	11.9	13.8	14.3	14.3	15.1	7.1	11.0	0.4%
Nigeria	22.5	26.7	32.4	32.1	23.4	33.6	36.5	38.9	1.3%
Other Africa	8.9	9.4	11.1	14.2	14.7	16.6	16.7	16.6	0.5%
Total Africa	**159.3**	**173.2**	**183.7**	**190.9**	**180.4**	**192.8**	**190.0**	**194.6**	**6.4%**
Australia	33.4	35.0	36.0	34.4	38.1	41.0	40.5	44.1	1.5%
Bangladesh	12.4	13.6	14.3	15.3	16.7	17.9	18.1	19.6	0.6%
Brunei	10.8	11.3	11.0	10.9	10.3	11.1	11.5	11.3	0.4%
China	44.4	52.7	62.3	72.3	76.7	85.4	92.4	96.5	3.2%
India	26.7	26.4	27.1	27.5	35.3	45.8	41.5	36.2	1.2%
Indonesia	64.1	63.2	60.9	62.7	64.7	73.8	68.3	64.0	2.1%
Malaysia	55.0	57.0	58.1	58.2	57.0	58.7	58.7	58.7	1.9%
Myanmar	11.0	11.3	12.2	11.2	10.4	11.2	11.5	11.5	0.4%
Pakistan	32.0	32.5	33.1	33.8	34.6	35.7	35.2	37.3	1.2%
Thailand	21.3	21.9	23.4	25.9	27.8	32.7	33.3	37.3	1.2%
Vietnam	5.8	6.3	6.4	6.7	7.2	8.5	7.6	8.5	0.3%
Other Asia Pacific	9.9	13.1	15.6	16.5	16.7	16.3	16.5	16.3	0.5%
Total Asia Pacific	**326.7**	**344.3**	**360.4**	**375.4**	**395.6**	**437.8**	**435.2**	**441.2**	**14.5%**
Total World	**2509.6**	**2599.9**	**2656.5**	**2756.6**	**2679.5**	**2879.3**	**2968.3**	**3033.5**	**100.0%**

• Less than 0.05%

Note: Growth rates are adjusted for leap years.

Source: BP Statistical Review of World Energy, 2013.

XI.5 World Consumption of Natural Gas

Million tonnes oil equivalent

Country/Region	2005	2006	2007	2008	2009	2010	2011	2012	2012 share of total
1	2	3	4	5	6	7	8	9	10
US	568.5	560.0	597.3	600.6	590.1	619.3	626.5	654.0	21.9%
Canada	88.0	87.3	86.6	86.5	85.4	85.5	90.8	90.6	3.0%
Mexico	54.9	60.0	57.1	59.6	65.2	65.2	69.0	75.3	2.5%
Total North America	**711.5**	**707.2**	**741.0**	**746.7**	**740.7**	**770.1**	**786.2**	**820.0**	**27.5%**
Argentina	36.4	37.6	39.5	40.0	38.8	39.0	41.1	42.6	1.4%
Brazil	17.6	18.5	19.1	22.4	18.1	24.1	24.0	26.2	0.9%
Chile	7.5	7.0	4.1	2.4	2.8	4.8	4.8	5.4	0.2%
Colombia	6.0	6.3	6.7	6.8	7.8	8.2	8.0	8.9	0.3%
Ecuador	0.3	0.4	0.4	0.4	0.5	0.5	0.5	0.6	•
Peru	1.4	1.6	2.4	3.1	3.1	4.9	5.5	6.7	0.2%
Trinidad & Tobago	14.7	19.1	19.7	19.2	19.9	20.9	20.8	19.5	0.7%
Venezuela	24.7	28.3	26.6	28.3	27.5	29.9	30.0	31.4	1.1%
Other S. & Cent. America	2.9	3.5	4.0	4.3	4.5	4.8	6.0	7.1	0.2%
Total S. & Cent. America	**111.5**	**122.4**	**122.7**	**126.8**	**123.1**	**137.0**	**140.8**	**148.6**	**5.0%**
Austria	9.0	8.5	8.0	8.6	8.4	9.1	8.5	8.1	0.3%
Azerbaijan	7.7	8.2	7.2	8.2	7.0	6.7	7.3	7.6	0.3%
Belarus	16.5	17.1	17.0	17.3	14.5	17.7	16.5	16.7	0.6%
Belgium	14.7	15.0	14.9	14.8	15.1	17.0	14.9	15.2	0.5%
Bulgaria	2.8	2.9	2.9	2.9	2.1	2.3	2.6	2.5	0.1%
Czech Republic	8.5	8.4	7.8	7.8	7.4	8.4	7.6	7.4	0.2%
Denmark	4.5	4.6	4.1	4.1	4.0	4.5	3.8	3.5	0.1%
Finland	3.6	3.8	3.5	3.6	3.2	3.6	3.1	2.8	0.1%
France	40.9	39.6	38.3	39.8	38.3	42.7	36.8	38.2	1.3%
Germany	77.6	78.5	74.6	73.1	70.2	75.0	67.1	67.7	2.3%
Greece	2.4	2.8	3.4	3.6	3.0	3.3	4.1	3.8	0.1%
Hungary	12.1	11.5	10.7	10.6	9.1	9.8	9.4	8.8	0.3%
Republic of Ireland	3.5	4.0	4.3	4.5	4.3	4.7	4.1	4.0	0.1%
Italy	71.2	69.7	70.0	70.0	64.4	68.5	64.2	61.8	2.1%
Kazakhstan	8.4	8.9	7.5	7.3	7.0	7.4	8.3	8.5	0.3%
Lithuania	2.9	2.9	3.3	2.9	2.5	2.8	3.1	3.0	0.1%
Netherlands	35.4	34.3	33.3	34.7	35.0	39.2	34.3	32.8	1.1%
Norway	4.0	4.0	3.8	3.9	3.7	3.7	3.9	3.9	0.1%
Poland	12.2	12.4	12.4	13.5	13.0	14.0	14.1	14.9	0.5%
Portugal	3.8	3.7	3.9	4.3	4.2	4.6	4.7	4.2	0.1%
Romania	15.8	16.3	14.5	14.3	11.9	12.2	12.5	12.1	0.4%
Russian Federation	354.6	373.5	379.8	374.4	350.7	372.7	382.1	374.6	12.5%
Slovakia	5.9	5.4	5.1	5.2	4.4	5.0	4.6	5.4	0.2%
Spain	29.1	30.3	31.6	34.8	31.1	31.2	29.0	28.2	0.9%
Sweden	0.7	0.8	0.9	0.8	1.0	1.4	1.1	1.0	•
Switzerland	2.8	2.7	2.6	2.8	2.7	3.0	2.7	2.9	0.1%
Turkey	24.2	27.4	32.5	33.8	32.1	35.1	41.2	41.7	1.4%
Turkmenistan	14.5	16.5	19.1	18.5	17.9	20.4	22.5	20.9	0.7%
Ukraine	62.1	60.3	56.9	54.0	42.3	46.9	48.3	44.6	1.5%
United Kingdom	85.5	81.1	81.9	89.4	82.1	89.3	74.5	70.5	2.4%
Uzbekistan	38.4	37.7	41.3	43.8	39.2	41.0	44.2	43.1	1.4%
Other Europe & Eurasia	15.0	15.6	16.0	15.3	12.6	13.6	14.2	14.5	0.5%
Total Europe & Eurasia	**990.5**	**1008.2**	**1013.3**	**1022.7**	**944.5**	**1016.6**	**995.2**	**975.0**	**32.6%**

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XI.5 World Consumption of Natural Gas

Million tonnes oil equivalent

Country/Region	2005	2006	2007	2008	2009	2010	2011	2012	2012 share of total
1	2	3	4	5	6	7	8	9	10
Iran	94.5	97.8	101.7	107.4	118.2	130.1	138.2	140.5	4.7%
Israel	1.5	2.1	2.5	3.7	4.1	4.8	4.5	2.3	0.1%
Kuwait	11.0	11.3	10.9	11.5	11.1	13.1	15.3	15.5	0.5%
Qatar	16.8	17.6	17.4	17.4	18.0	17.9	19.7	23.5	0.8%
Saudi Arabia	64.1	66.2	67.0	72.4	70.6	78.9	83.0	92.5	3.1%
United Arab Emirates	37.8	39.0	44.3	53.5	53.2	54.7	56.2	56.6	1.9%
Other Middle East	25.5	28.3	29.1	32.9	35.0	39.6	38.3	39.6	1.3%
Total Middle East	**251.3**	**262.3**	**272.9**	**298.8**	**310.2**	**339.1**	**355.3**	**370.6**	**12.4%**
Algeria	20.9	21.4	21.9	22.8	24.5	23.7	25.1	27.8	0.9%
Egypt	28.4	32.9	34.5	36.8	38.3	40.6	44.7	47.3	1.6%
South Africa	2.8	3.1	3.1	3.4	3.0	3.5	3.5	3.4	0.1%
Other Africa	24.9	23.1	26.3	27.8	24.3	29.2	29.3	32.0	1.1%
Total Africa	**77.1**	**80.5**	**85.9**	**90.7**	**90.1**	**97.0**	**102.6**	**110.5**	**3.7%**
Australia	19.9	22.0	23.9	23.0	22.7	23.1	23.0	22.9	0.8%
Bangladesh	12.4	13.6	14.3	15.3	16.7	17.9	18.1	19.6	0.7%
China	42.1	50.5	63.5	73.2	80.6	96.2	117.5	129.5	4.3%
China Hong Kong SAR	2.4	2.6	2.5	2.9	2.8	3.4	2.7	2.5	0.1%
India	32.1	33.5	36.1	37.2	45.9	55.7	55.0	49.1	1.6%
Indonesia	29.9	29.9	28.2	30.0	33.6	36.3	33.5	32.2	1.1%
Japan	70.7	75.4	81.2	84.4	78.7	85.1	95.0	105.1	3.5%
Malaysia	28.3	30.4	30.1	30.4	29.7	31.0	28.8	30.0	1.0%
New Zealand	3.2	3.3	3.6	3.4	3.6	3.9	3.5	3.8	0.1%
Pakistan	32.0	32.5	33.1	33.8	34.6	35.7	35.2	37.3	1.2%
Philippines	3.0	2.5	3.0	3.1	3.1	2.9	3.2	3.1	0.1%
Singapore	6.2	6.3	7.8	7.4	7.3	7.6	7.9	7.5	0.3%
South Korea	27.3	28.8	31.2	32.1	30.5	38.7	41.7	45.0	1.5%
Taiwan	8.5	9.1	9.6	10.5	10.2	12.7	14.0	14.7	0.5%
Thailand	29.3	30.0	31.8	33.6	35.3	40.6	41.9	46.1	1.5%
Vietnam	5.8	6.3	6.4	6.7	7.2	8.5	7.6	8.5	0.3%
Other Asia Pacific	4.7	4.9	5.4	5.1	4.6	5.1	5.6	5.6	0.2%
Total Asia Pacific	**357.7**	**381.6**	**411.6**	**432.0**	**447.0**	**504.4**	**534.2**	**562.5**	**18.8%**
Total World	**2499.5**	**2562.1**	**2647.3**	**2717.7**	**2655.7**	**2864.1**	**2914.2**	**2987.1**	**100.0%**

• 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, 2013

XI.6 Productivity of Producing Well in OPEC Member Countries During 2012

Country	Wells	Av-daily Production ('000' bbl)	t/w/d
1	2	3	4
Algeria	2061	1199.8	79.4
Angola	1554	1704.0	149.6
Ecuador	3177	503.6	21.6
I.R.Iran	2119	3739.8	240.7
Iraq	1700	2942.4	236.1
Kuwait*	1831	2977.6	221.8
Libya	1910	1450	103.5
Nigeria	2168	1954.1	122.9
Qatar	517	733.6	193.5
Suadi Arabia*	3407	9763.0	390.9
U.A.E	1640	2652.5	220.6
Venezuela	14959	2803.9	25.6
Total OPEC	**37043**	**32424.3**	119.4

*: 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, 2013.

XI.7 World Oil Refining Capacity

(Thousand barrels daily *)

Country/Region	2005	2006	2007	2008	2009	2010	2011	2012	2012 of total
1	2	3	4	5	6	7	8	9	10
US	17339	17443	17594	17672	17584	17736	17322	17388	18.8%
Canada	1896	1914	1907	1951	1976	1951	2046	2063	2.2%
Mexico	1463	1463	1463	1463	1463	1463	1606	1606	1.7%
Total North America	**20698**	**20821**	**20964**	**21086**	**21023**	**21151**	**20974**	**21057**	**22.8%**
Argentina	627	623	634	634	636	640	649	654	0.7%
Brazil	1916	1916	1935	2045	2093	2093	2010	2000	2.2%
Netherlands Antilles	320	320	320	320	320	320	320	320	0.3%
Venezuela	1291	1294	1303	1303	1303	1303	1303	1303	1.4%
Other S. & Cent. America	2251	2260	2310	2356	2326	2295	2201	1635	1.8%
Total S. & Cent. America	**6405**	**6413**	**6502**	**6658**	**6678**	**6651**	**6483**	**5912**	**6.4%**
Belgium	778	774	745	745	823	813	823	792	0.9%
France	1978	1959	1962	1971	1873	1702	1610	1478	1.6%
Germany	2322	2390	2390	2366	2362	2091	2077	2097	2.3%
Greece	418	425	425	425	425	440	495	498	0.5%
Italy	2515	2526	2497	2396	2396	2396	2311	2200	2.4%
Netherlands	1274	1274	1236	1280	1280	1274	1276	1274	1.4%
Norway	310	310	310	310	310	310	310	310	0.3%
Russian Federation	5405	5488	5501	5422	5401	5508	5569	5754	6.2%
Spain	1377	1362	1362	1362	1362	1416	1416	1537	1.7%
Sweden	422	422	422	422	422	422	434	434	0.5%
Turkey	613	613	613	613	613	613	613	613	0.7%
United Kingdom	1819	1836	1819	1827	1757	1757	1787	1631	1.8%
Other Europe & Eurasia	5562	5450	5487	5473	5515	5629	5536	5248	5.7%
Total Europe & Eurasia	**24794**	**24828**	**24770**	**24612**	**24538**	**24372**	**24259**	**23865**	**25.8%**
Iran	1642	1727	1772	1805	1860	1860	1860	1892	2.0%
Iraq	753	758	765	754	786	907	996	1042	1.1%
Kuwait	936	936	936	936	936	936	936	936	1.0%
Saudi Arabia	2107	2107	2107	2107	2107	2107	2117	2122	2.3%
United Arab Emirates	620	620	625	680	700	700	705	710	0.8%
Other Middle East	1248	1298	1381	1390	1536	1541	1553	1553	1.7%
Total Middle East	**7306**	**7446**	**7586**	**7672**	**7925**	**8051**	**8167**	**8255**	**8.9%**
Total Africa	**3138**	**2990**	**3007**	**3121**	**2982**	**3175**	**3123**	**3323**	**3.6%**
Australia	711	694	733	734	734	740	742	663	0.7%
China	7165	7865	8399	8722	9479	10302	10834	11547	12.5%
India	2558	2872	2983	2992	3574	3703	3795	4099	4.4%
Indonesia	1057	1127	1150	1052	1085	1139	1141	1142	1.2%
Japan	4531	4588	4650	4650	4630	4291	4274	4254	4.6%
Singapore	1255	1255	1255	1385	1385	1385	1395	1395	1.5%
South Korea	2598	2633	2671	2712	2712	2712	2860	2887	3.1%
Taiwan	1159	1140	1197	1197	1197	1197	1197	1197	1.3%
Thailand	1078	1125	1125	1195	1255	1260	1260	1260	1.4%
Other Asia Pacific	1439	1448	1460	1472	1621	1654	1673	1676	1.8%
Total Asia Pacific	**23551**	**24747**	**25623**	**26111**	**27671**	**28383**	**29170**	**30119**	**32.6%**
Total World	**85892**	**87245**	**88451**	**89259**	**90817**	**91782**	**92176**	**92531**	**100.0%**

* 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, 2013

XI.8 World Refinery Crude Throughput

(Thousand barrels daily*)

Country/Region	2005	2006	2007	2008	2009	2010	2011	2012	2012 share of total
1	2	3	4	5	6	7	8	9	10
US	15220	15242	15156	14648	14336	14724	14806	15006	19.7%
Canada	1883	1835	1908	1839	1773	1832	1734	1796	2.4%
Mexico	1415	1407	1395	1392	1392	1184	1166	1199	1.6%
S. & Cent. America	5378	5334	5456	5363	4889	4834	5047	4624	6.1%
Europe & Eurasia	20736	20783	20716	20635	19509	19595	19507	19459	25.5%
Middle East	6008	6300	6397	6396	6297	6396	6519	6444	8.5%
Africa	2491	2372	2372	2456	2293	2449	2149	2201	2.9%
Australasia	757	749	767	756	762	756	789	779	1.0%
China	5916	6155	6563	6953	7488	8571	9059	9371	12.3%
India	2561	2860	3107	3213	3641	3899	4085	4302	5.6%
Japan	4136	4026	3995	3946	3627	3619	3410	3400	4.5%
Other Asia Pacific	7474	7469	7493	7351	7229	7434	7486	7652	10.0%
Total World	**73976**	**74533**	**75325**	**74949**	**73234**	**75293**	**75757**	**76233**	**100.0%**

* 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, 2013

XI.9 Country-wise World Oil Consumption*

(Million tonnes)

Country/Region	2005	2006	2007	2008	2009	2010	2011	2012	2012 share of total
1	2	3	4	5	6	7	8	9	10
US	939.8	930.7	928.8	875.4	833.0	847.4	837.0	819.9	19.8%
Canada	99.9	99.4	102.3	101.2	95.2	101.3	105.0	104.3	2.5%
Mexico	90.8	89.7	92.0	91.6	88.5	88.5	90.3	92.6	2.2%
Total North America	**1130.5**	**1119.7**	**1123.1**	**1068.2**	**1016.8**	**1037.3**	**1032.3**	**1016.8**	**24.6%**
Argentina	20.7	21.7	24.0	24.7	24.0	26.0	27.5	28.2	0.7%
Brazil	94.2	95.8	101.8	108.6	109.1	118.3	122.2	125.6	3.0%
Chile	11.8	13.2	17.0	17.8	17.4	15.4	17.5	17.9	0.4%
Colombia	10.5	10.7	10.7	10.8	11.1	11.9	12.5	12.7	0.3%
Ecuador	7.9	8.3	8.5	8.7	8.9	10.3	10.5	11.0	0.3%
Peru	7.1	6.9	7.1	8.0	8.1	8.5	9.2	9.6	0.2%
Trinidad & Tobago	1.2	1.4	1.7	1.8	1.7	1.9	1.6	1.6	^
Venezuela	28.8	30.3	30.4	34.8	35.2	35.8	35.6	36.6	0.9%
Other S. & Cent. America	58.8	59.5	60.1	57.8	57.0	58.2	58.7	59.0	1.4%
Total S. & Cent. America	**241.0**	**247.7**	**261.3**	**272.9**	**272.5**	**286.1**	**295.4**	**302.2**	**7.3%**
Austria	14.0	14.2	13.4	13.4	12.8	13.4	12.6	12.4	0.3%
Azerbaijan	5.4	4.8	4.5	3.6	3.3	3.2	4.0	4.2	0.1%
Belarus	7.1	8.1	7.3	8.3	9.4	7.3	9.0	9.1	0.2%
Belgium	33.5	33.4	33.7	36.8	32.2	33.5	32.3	30.6	0.7%
Bulgaria	4.8	5.0	4.8	4.8	4.3	3.9	3.8	3.8	0.1%
Czech Republic	9.9	9.8	9.7	9.9	9.7	9.1	9.0	9.1	0.2%
Denmark	9.4	9.6	9.7	9.5	8.5	8.4	8.1	7.6	0.2%
Finland	11.0	10.6	10.6	10.5	9.9	10.4	9.7	9.1	0.2%
France	93.1	93.0	91.4	90.8	87.5	84.5	83.7	80.9	2.0%
Germany	122.4	123.6	112.5	118.9	113.9	115.4	112.0	111.5	2.7%
Greece	21.1	22.1	21.7	21.3	20.1	18.0	17.0	15.4	0.4%
Hungary	7.4	7.8	7.7	7.5	7.1	6.7	6.4	6.0	0.1%
Republic of Ireland	9.3	9.3	9.4	9.0	8.0	7.6	6.7	6.2	0.2%
Italy	86.7	86.7	84.0	80.4	75.1	73.1	70.5	64.2	1.6%
Kazakhstan	9.8	10.3	11.3	11.0	8.9	9.3	11.6	12.8	0.3%
Lithuania	2.8	2.8	2.8	3.1	2.6	2.7	2.6	2.6	0.1%
Netherlands	50.1	50.8	50.7	47.3	45.9	45.9	46.1	44.1	1.1%
Norway	10.2	10.5	10.7	10.4	10.6	10.8	10.6	10.8	0.3%
Poland	22.4	23.3	24.2	25.3	25.3	26.7	26.6	25.1	0.6%
Portugal	16.0	14.4	14.4	13.6	12.8	12.5	11.6	10.9	0.3%
Romania	10.5	10.3	10.3	10.4	9.2	8.8	9.1	8.8	0.2%
Russian Federation	126.1	130.3	130.0	133.9	128.2	134.3	143.5	147.5	3.6%
Slovakia	3.8	3.4	3.6	3.9	3.7	3.9	3.9	3.5	0.1%
Spain	79.3	79.3	80.3	77.9	73.5	69.6	68.5	63.8	1.5%
Sweden	16.1	16.5	16.0	15.7	14.6	15.3	14.5	13.8	0.3%
Switzerland	12.2	12.6	11.3	12.1	12.3	11.4	11.0	11.2	0.3%
Turkey	30.9	32.7	33.5	31.9	31.6	31.8	30.7	31.5	0.8%
Turkmenistan	4.3	4.1	4.6	5.1	4.6	4.5	4.7	4.8	0.1%
Ukraine	13.7	14.2	15.6	14.9	13.4	13.0	12.9	13.2	0.3%
United Kingdom	83.0	82.3	79.2	77.9	74.4	73.5	71.1	68.5	1.7%
Uzbekistan	5.0	5.0	4.6	4.5	4.3	3.6	3.8	3.9	0.1%
Other Europe & Eurasia	30.8	31.5	32.5	33.1	32.6	32.8	32.8	32.8	0.8%
Total Europe & Eurasia	**962.0**	**972.1**	**956.4**	**956.7**	**910.6**	**904.7**	**900.3**	**879.8**	**21.3%**

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XI.9 Country-wise World Oil Consumption*

(Million tonnes)

Country/Region	2005	2006	2007	2008	2009	2010	2011	**2012**	2012 share of total
1	2	3	4	5	6	7	8	9	10
Iran	80.7	86.5	88.6	92.2	93.5	88.3	85.6	89.6	2.2%
Israel	12.2	11.9	12.4	12.2	11.4	10.9	11.5	13.6	0.3%
Kuwait	19.5	17.7	17.9	19.0	20.3	21.7	20.4	20.9	0.5%
Qatar	4.0	4.5	5.2	6.0	6.0	6.9	7.8	8.0	0.2%
Saudi Arabia	88.2	92.4	98.1	106.8	115.8	123.5	124.4	129.7	3.1%
United Arab Emirates	24.5	26.3	28.2	29.4	28.1	30.0	31.8	32.6	0.8%
Other Middle East	63.5	59.3	60.0	68.6	71.3	74.6	77.1	81.4	2.0%
Total Middle East	**292.7**	**298.6**	**310.3**	**334.1**	**346.4**	**356.1**	**358.7**	**375.8**	**9.1%**
Algeria	11.0	11.5	12.9	14.0	14.9	14.8	15.5	16.7	0.4%
Egypt	29.8	28.7	30.6	32.6	34.4	36.3	33.7	35.2	0.9%
South Africa	24.6	25.3	26.2	25.3	24.7	26.1	26.2	26.9	0.7%
Other Africa	73.1	72.9	75.7	80.5	82.1	86.4	82.7	87.7	2.1%
Total Africa	**138.5**	**138.4**	**145.4**	**152.5**	**156.0**	**163.6**	**158.0**	**166.5**	**4.0%**
Australia	40.7	42.1	42.4	43.2	42.9	43.7	46.1	46.7	1.1%
Bangladesh	4.3	4.3	4.2	4.1	3.8	4.2	5.3	5.6	0.1%
China	327.8	351.2	369.3	376.0	388.2	437.7	459.4	483.7	11.7%
China Hong Kong SAR	13.8	15.0	16.1	14.6	16.6	17.9	18.1	17.9	0.4%
India	121.9	128.3	138.1	144.7	152.6	155.4	163.0	171.6	4.2%
Indonesia	59.5	57.8	59.3	58.7	60.6	65.2	71.1	71.6	1.7%
Japan	248.8	239.6	232.6	226.3	202.2	204.1	204.7	218.2	5.3%
Malaysia	25.0	26.6	29.2	28.8	28.3	28.4	29.1	29.8	0.7%
New Zealand	7.0	7.1	7.2	7.2	6.9	7.0	7.0	7.0	0.2%
Pakistan	15.3	17.6	19.3	19.4	20.8	20.6	20.8	20.0	0.5%
Philippines	14.8	13.3	14.1	12.3	13.1	13.2	12.8	13.0	0.3%
Singapore	43.2	46.5	50.5	53.7	57.3	62.9	65.7	66.2	1.6%
South Korea	104.6	104.7	107.6	103.1	103.7	105.0	105.8	108.8	2.6%
Taiwan	49.3	48.6	50.4	45.1	44.3	46.3	42.8	42.2	1.0%
Thailand	44.3	44.4	44.4	44.3	47.2	47.1	50.5	52.4	1.3%
Vietnam	12.2	12.0	13.3	14.1	14.1	15.1	16.5	16.6	0.4%
Other Asia Pacific	14.2	14.5	15.2	14.7	16.7	16.7	18.0	18.3	0.4%
Total Asia Pacific	**1146.9**	**1173.6**	**1213.3**	**1210.5**	**1219.3**	**1290.5**	**1336.6**	**1389.4**	**33.6%**
Total World	**3911.6**	**3950.1**	**4009.7**	**3994.8**	**3921.6**	**4038.2**	**4081.4**	**4130.5**	**100.0%**

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

^ Less than 0.05%.

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, 2013

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

(Thousand barrels daily)

Country/Region	2005	2006	2007	2008	2009	2010	2011	2012	2012 share of total
1	2	3	4	5	6	7	8	9	10
North America									
Light distillates	11019	11131	11200	10859	10839	10943	10697	10594	46.0%
Middle distillates	7249	7297	7318	6934	6284	6565	6694	6417	27.9%
Fuel oil	1396	1055	1081	941	799	764	745	635	2.8%
Others	5455	5519	5509	5126	5037	5192	5260	5394	23.4%
Total North America	**25119**	**25002**	**25109**	**23860**	**22959**	**23464**	**23397**	**23040**	**100.0%**
of which: US									
Light distillates	9548	9599	9597	9253	9257	9263	9022	8955	48.3%
Middle distillates	6198	6226	6199	5801	5241	5464	5518	5281	28.5%
Fuel oil	914	683	718	609	505	487	459	343	1.8%
Others	4143	4178	4166	3827	3766	3921	3951	3976	21.4%
Total US	**20802**	**20687**	**20680**	**19490**	**18769**	**19134**	**18949**	**18555**	**100.0%**
S. & Cent. America									
Light distillates	1462	1494	1584	1663	1765	1830	1848	1898	29.1%
Middle distillates	1866	1893	2082	2153	2126	2343	2451	2535	38.8%
Fuel oil	709	726	739	741	723	695	676	678	10.4%
Others	1148	1218	1246	1335	1307	1354	1430	1422	21.8%
Total S. & Cent. America	**5185**	**5332**	**5651**	**5892**	**5921**	**6222**	**6405**	**6533**	**100.0%**
Europe									
Light distillates	3887	3756	3681	3477	3390	3350	3126	2976	21.0%
Middle distillates	7527	7703	7583	7802	7531	7547	7521	7389	52.2%
Fuel oil	1746	1711	1611	1545	1379	1257	1189	1063	7.5%
Others	3184	3235	3205	3134	2960	2940	2876	2724	19.2%
Total Europe	**16344**	**16406**	**16081**	**15959**	**15260**	**15094**	**14712**	**14152**	**100.0%**
Former Soviet Union									
Light distillates	1110	1147	1228	1283	1243	1283	1290	1352	30.8%
Middle distillates	1142	1194	1267	1336	1191	1292	1417	1453	33.1%
Fuel oil	515	567	459	427	399	388	401	418	9.5%
Others	1031	997	1027	1012	1056	1000	1154	1169	26.6%
Total Former Soviet Union	**3798**	**3906**	**3981**	**4059**	**3889**	**3963**	**4261**	**4391**	**100.0%**
Middle East									
Light distillates	1417	1495	1516	1645	1696	1784	1825	1886	22.6%
Middle distillates	2047	2085	2195	2294	2386	2437	2533	2753	33.0%
Fuel oil	1477	1484	1567	1721	1844	1918	1892	1916	22.9%
Others	1393	1385	1418	1525	1600	1723	1741	1799	21.5%
Total Middle East	**6335**	**6449**	**6696**	**7185**	**7526**	**7861**	**7992**	**8354**	**100.0%**
Africa									
Light distillates	701	690	710	767	799	854	827	873	24.8%
Middle distillates	1248	1299	1398	1483	1509	1576	1569	1641	46.6%
Fuel oil	456	425	432	426	436	470	412	431	12.2%
Others	506	506	528	542	559	563	550	577	16.4%
Total Africa	**2911**	**2920**	**3068**	**3218**	**3302**	**3463**	**3359**	**3523**	**100.0%**

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

(Thousand barrels daily)

Country/Region	2005	2006	2007	2008	2009	2010	2011	2012	2012 share of total
1	2	3	4	5	6	7	8	9	10
Asia Pacific									
Light distillates	6952	7149	7539	7547	7869	8584	8888	9281	31.2%
Middle distillates	9031	9117	9272	9387	9452	9914	10300	10487	35.2%
Fuel oil	3515	3630	3731	3612	3343	3407	3417	3633	12.2%
Others	5037	5228	5447	5335	5542	5862	6148	6379	21.4%
Total Asia Pacific	**24535**	**25124**	**25989**	**25881**	**26205**	**27766**	**28754**	**29781**	**100.0%**
of which: China									
Light distillates	1787	1900	2036	2125	2230	2726	2985	3182	31.1%
Middle distillates	2518	2713	2869	3079	3178	3430	3660	3741	36.6%
Fuel oil	893	945	973	900	865	923	764	820	8.0%
Others	1745	1881	1946	1843	1955	2194	2341	2477	24.2%
Total China	**6944**	**7439**	**7823**	**7947**	**8229**	**9272**	**9750**	**10221**	**100.0%**
Japan									
Light distillates	1817	1794	1770	1650	1669	1727	1659	1632	34.6%
Middle distillates	1878	1760	1621	1502	1380	1391	1343	1360	28.9%
Fuel oil	676	657	657	707	450	442	577	811	17.2%
Others	1021	999	1005	1024	931	913	887	911	19.3%
Total Japan	**5391**	**5210**	**5053**	**4882**	**4429**	**4473**	**4465**	**4714**	**100.0%**
World									
Light distillates	26548	26860	27460	27241	27600	28627	28501	28862	32.1%
Middle distillates	30110	30590	31116	31389	30478	31673	32486	32675	36.4%
Fuel oil	9815	9600	9619	9414	8924	8899	8733	8773	9.8%
Others	17755	18089	18380	18008	18061	18634	19160	19463	21.7%
OECD									
Light distillates	18018	18008	18097	17408	17375	17547	17075	16890	37.0%
Middle distillates	17669	17783	17609	17304	16228	16573	16669	16332	35.8%
Fuel oil	4201	3797	3715	3506	2907	2722	2746	2746	6.0%
Others	10176	10291	10260	9851	9532	9618	9628	9620	21.1%
Total OECD	**50064**	**49880**	**49682**	**48070**	**46042**	**46460**	**46117**	**45587**	**100.0%**
Non-OECD									
Light distillates	8530	8852	9363	9833	10225	11080	11425	11972	27.1%
Middle distillates	12441	12807	13507	14085	14250	15100	15817	16344	37.0%
Fuel oil	5614	5802	5904	5908	6017	6177	5987	6028	13.6%
Others	7579	7798	8120	8157	8529	9016	9532	9843	22.3%
Total Non-OECD	**34164**	**35259**	**36893**	**37983**	**39021**	**41373**	**42762**	**44187**	**100.0%**
European Union									
Light distillates	3649	3511	3460	3274	3169	3128	2917	2776	21.7%
Middle distillates	6942	7074	6938	7119	6853	6882	6846	6691	52.3%
Fuel oil	1591	1574	1489	1440	1279	1186	1113	987	7.7%
Others	2839	2864	2814	2777	2580	2545	2501	2342	18.3%
Total European Union	**15021**	**15023**	**14700**	**14610**	**13880**	**13741**	**13377**	**12796**	**100.0%**

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, 2013

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

(Million Tonnes)

Country/Region	2011				2012*			
	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	660.7	1032.3	-371.7	-36.0	721.4	1016.8	-295.4	-29.1
South & Central America	381.7	295.4	86.2	29.2	378.0	302.2	75.8	25.1
Middle East	1321.0	358.7	962.3	268.3	1336.8	375.8	961.0	255.7
Africa	-	158.0	-	-	1.5	166.5	-165.0	-99.1
Asia Pacific	28.9	1336.6	-1307.7	-97.8	29.7	1389.4	-1359.7	-97.9
of which India	415.7	163.0	252.6	155.0	449.0	171.6	277.4	161.7
Japan	-	204.7	-	-	-	218.2	-	-
China	11.5	459.4	-447.9	-97.5	11.6	483.7	-472.0	-97.6
Australia	22.3	46.1	-23.8	-51.6	4.1	46.7	-42.6	-91.3
Europe & Eurasia	846.1	900.3	-54.1	-6.0	836.4	879.8	-43.5	-4.9
Total World	**14.8**	**4081.4**	-4066.6	-99.6	**16.2**	**4130.5**	-4114.3	-99.6

Note *: Provisional

Source : BP Statistical Review of World Energy, June 2013

XI.12 World Crude Oil and Petroleum Products Imports and Exports during 2012

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	424.0	100.5	1.1	127.5	8491	2096	23	2657
Canada	25.7	10.1	121.7	29.7	514	211	2437	619
Mexico	†	27.9	64.4	3.7	‡	581	1290	76
S. & Cent. America	19.6	67.7	156.9	33.1	392	1411	3143	691
Europe	474.9	142.8	19.1	85.9	9512	2976	383	1791
Former Soviet Union	†	5.5	302.0	122.2	‡	114	6049	2548
Middle East	11.1	26.8	881.1	98.5	222	559	17646	2053
North Africa	9.3	15.0	106.8	22.3	186	312	2139	465
West Africa	†	11.4	216.1	11.3	‡	238	4328	235
East & Southern Africa	14.2	12.5	4.3	0.7	285	260	86	15
Australasia	28.7	18.2	13.6	7.9	575	379	272	164
China	271.3	83.0	1.3	25.8	5433	1729	26	538
India	177.1	15.5	†	64.7	3547	323	‡	1349
Japan	186.7	48.2	†	10.6	3739	1004	‡	221
Singapore	47.3	96.7	0.6	71.0	948	2016	12	1479
Other Asia Pacific	237.4	120.2	38.3	87.0	4755	2505	767	1813
Total World	**1927.3**	**801.8**	**1927.3**	**801.8**	**38599**	**16715**	**38599**	**16715**

† 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 2013

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

(1,000 bbl/day)

Country	2005	2006	2007	2008	2009	2010	2011	2012*
1	2	3	4	5	6	7	8	9
				Crude Oil				
Algeria	970	947	1253	841	747	709	698	809
Angola	947	1010	1158	1044	1770	1683	1543	1663
Ecquador	380	376	342	348	329	340	334	358
Indonesia	374	301	319	294	250	356	301	300
I.R. Iran	2395	2561	2639	2574	2406	2583	2537	2102
Iraq	1472	1468	1643	1855	1906	1890	2166	2423
Kuwait	1651	1723	1613	1739	1348	1430	1816	2070
Libya	1306	1426	1378	1403	1170	1118	300	962
Nigeria	2326	2248	2144	2098	2160	2464	2377	2368
Qatar	677	620	615	703	647	586	588	588
Southi Arabia	7209	7029	6962	7322	6268	6644	7218	7557
UAE	2195	2420	2343	2334	1953	2103	2330	2657
Venezuela	1788	1919	2116	1770	1608	1562	1553	1725
O P E C	**23690**	**24048**	**24525**	**24325**	**22562**	**23468**	**23761**	**25582**
Note: Indonesia suspended its membership from 2009-2011								
				Refined Petroleum Products				
Algeria	452	435	451	457	232	314	492	450
Angola	14	14	27	41	41	8	26	26
Ecuador	20	35	40	42	34	28	29	28
Indonesia	142	226	107	103	82	85	92	71
I.R. Iran	402	462	388	275	301	371	441	456
Iraq	14	56	66	85	26	5	164	472
Kuwait	614	750	739	708	674	632	629	661
Libya	163	183	198	157	136	48	21	40
Nigeria	49	50	53	19	12	23	24	8
Qatar	77	81	74	98	249	322	509	465
Saudi Arabia	1385	1278	1139	1058	1008	951	902	862
UAE	509	453	408	359	374	188	227	225
Venezuela	609	599	639	912	956	751	786	675
O P E C	**4450**	**4621**	**4329**	**4314**	**4125**	**3726**	**4342**	**4439**

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 2013.

XI.14 World Imports of Natural Gas by Country

(Million Standard Cubic Metres)

	2005	2006	2007	2008	2009	2010	2011	2012*
1	2	3	4	5	6	7	8	9
North America	**132910**	**125760**	**143850**	**130250**	**125830**	**128547**	**126570**	**117540**
Canada	10140	9370	13200	15900	20830	22622	29740	29180
United States	122770	116390	130650	114350	105000	105925	96830	88360
Latin America	**26460**	**28750**	**26300**	**29810**	**28910**	**37868**	**43531**	**53527**
Argentina	1730	1800	1680	1300	2660	3610	7560	8940
Brazil	8970	9860	10020	11030	8440	12600	10482	13850
Chile	6100	5950	2380	750	1490	3410	3920	3820
Dominican Republic	250	250	480	470	560	802	882	1280
Mexico	8640	10050	10810	13880	13160	15150	18060	22340
Puerto Rico	670	720	740	810	760	770	750	1360
Uruguay	100	120	90	70	40	80	80	60
Venezuela	-	0	100	1500	1800	1446	1797	1877
Eastern Europe & Eurasia	**148680**	**194170**	**187110**	**192010**	**137130**	**146618**	**155153**	**138172**
Armania	-	1700	1900	2300	2050	1750	1873	1900
Belarus	-	20500	20600	21100	17570	21600	21850	21910
Bulgaria	2850	2850	3050	3100	2640	2160	2640	2370
Czech Republic	9480	9480	8630	8610	9570	11140	11280	10200
Estonia	900	1000	1000	630	710	360	650	610
Georgia	-	1900	1200	1130	200	200	200	172
Hungary	12290	11600	10450	11500	8100	7510	6910	6060
Kazakhstan	4000	5000	6600	5800	7400	6690	6590	6500
Kyrghyzstan	-	900	900	1200	1200	190	250	250
Latvia	1700	1700	1200	750	1190	660	1550	1450
Lithuania	2900	2900	3400	3090	2740	2630	3000	2450
Maldova	2600	2550	2700	2800	2900	2920	2900	2900
Poland	10210	10390	9280	10280	9150	10894	11170	11270
Romania	6250	5300	4500	4500	2050	2150	2650	2040
Russia	27400	53500	51500	56200	28100	34389	33110	32270
Slovak Republic	6400	6300	5600	5600	5400	6425	5830	4230
Tadzhikistan	600	600	600	700	700	700	700	700
Ukraine	61100	56000	54000	52720	35460	34250	42000	30890
Western Europe	**359270**	**379860**	**378760**	**406925**	**395597**	**424424**	**414672**	**405601**
Austria	8810	7700	7000	8100	7190	7530	9780	7810
Belgium	21980	22450	21080	21140	21760	31330	28510	29190
Bosnia/Herzegovina	-	400	320	310	220	210	260	240
Croatia	-	1100	1200	1260	1200	1170	820	1340
Denmark	-	80	-	0	0	150	370	250
Finland	4200	4520	4320	4500	4100	4782	3940	3520
France	49030	49580	46920	49250	49060	46199	47320	45080
Germany	90750	90920	82900	92765	94572	88884	85110	85950
Greece	2860	3190	4010	4140	3290	3815	4640	4220
Ireland	2950	3400	4700	5000	5080	5261	5290	5290
Italy	73630	77350	73880	76870	69310	75348	69930	67202
Luxembourg	1400	1500	1300	1200	1300	1366	1250	1280
Macedonia, f Yug Rep	-	100	80	70	80	77	100	100
Netherlands	18190	18610	18360	17970	16980	16970	14300	15410
Portugal	4200	4070	4140	4560	4410	5109	5000	4580
Serbia/Montenegro	-	2100	2100	2150	1550	1933	1878	2240
Slovenia	-	1150	1100	1000	890	880	770	730
Spain	33440	35160	35130	39060	35430	36716	35520	32900
Sweden	1030	1080	1110	1000	1310	1642	1296	1129
Switzerland	3250	2980	2990	3190	3625	3165	3190	3420
Turkey	27030	31060	36160	36850	33180	38037	42560	44620
United Kingdom	16520	21360	29960	36540	41060	53850	52838	49100

contd...

XI.14 World Imports of Natural Gas by Country

(Million Standard Cubic Metres)

	2005	2006	2007	2008	2009	2010	2011*	2012*
1	2	3	4	5	6	7	8	9
Middle East	**17680**	**18730**	**25800**	**35280**	**39100**	**41048**	**45844**	**41299**
Iran, I.R.	5800	5800	7300	7100	5800	7243	11659	6720
Jordan	1280	1930	2350	2720	2850	2520	830	1500
Kuwait	-	-	-	-	890	890	688	688
Oman	-	-	-	350	1500	1900	1950	1950
Syrian Arab Republic	-	-	-	140	910	690	552	350
United Arab Emirates	10600	11000	16150	24970	25450	25705	28275	28201
Israel &others	-	-	-	-	1700	2100	1890	1890
Africa	**4070**	**3900**	**4150**	**4950**	**5250**	**4790**	**5230**	**5990**
Morocco	-	-	-	500	500	500	550	500
South Africa	2270	2600	2900	3200	3500	3040	3300	3600
Tunisia	1800	1300	1250	1250	1250	1250	1380	1890
Asia Pacific	**139250**	**149970**	**165150**	**175130**	**172251**	**206285**	**235620**	**258810**
China	-	1000	3870	4440	7630	16350	30490	39660
India	6040	7990	9980	10790	12620	12150	16390	17610
Japan	78160	81860	88820	92250	85900	98015	104000	116000
Korea, South	30450	34140	34390	36550	34320	43579	48780	48120
Malaysia	-	-	-	500	900	2938	1990	2340
Singapore	6130	5800	7680	9970	10800	8553	8460	8310
Taiwan/Chinese Taipai	9610	10200	11010	12080	11790	15890	15930	17010
Thailand	8860	8980	9400	8550	8291	8810	9580	9760
Total World	**828320**	**901140**	**931120**	**974355**	**904068**	**989580**	**1026620**	**1020939**

Source : OPEC Annual Statistical Bulletin, 2013.

XI.15 World Imports of Petroleum Products by Country

(1,000 Barrels/ Day)

Country	2005	2006	2007	2008	2009	2010	2011	2012
1	2	3	4	5	7	8	9	10
NORTH AMERICA	**2914.0**	**2754.8**	**2713.2**	**2415.2**	**2103.3**	**2087.1**	**1930.4**	**1525.6**
Canada	298.5	291.8	282.3	329.8	279.4	238.3	266.4	224.6
United States	2610.9	2458.2	2425.9	2080.4	1819.2	1844.1	1659.8	1296.8
Others	4.6	4.8	5.0	5.0	4.7	4.7	4.2	4.2
LATIN AMERICA	**1526.0**	**1696.6**	**1960.4**	**2052.7**	**2012.4**	**2061.4**	**2501.6**	**2649.9**
Brazil	222.1	261.3	320.1	343.5	310.6	311.6	495.3	569.0
Cuba	72.4	74.7	77.2	78.6	79.9	81.3	82.6	84.0
Mexico	343.0	364.2	426.6	477.7	454.5	451.9	612.2	601.3
Netherland Antilles	61.3	63.5	65.9	66.0	66.0	69.7	73.4	77.2
Panama	29.9	24.5	43.1	43.0	42.9	23.8	50.5	66.2
Puerto Rico	105.2	108.1	111.2	106.3	101.3	96.3	91.3	86.3
Others	692.1	800.3	916.3	937.6	957.2	1026.8	1096.3	1165.9
Easterneuropeandeurasia	**398.9**	**418.3**	**397.7**	**352.8**	**349.8**	**388.2**	**392.1**	**395.9**
Bulgaria	36.3	37.6	34.1	30.2	30.3	31.1	34.9	37.4
Russia	10.4	10.7	11.1	11.4	10.6	20.4	16.5	25.2
Hungary	42.4	44.1	47.3	44.8	44.1	48.4	58.0	36.8
Poland	160.7	165.8	138.8	120.2	120.1	140.1	143.3	157.7
Others	149.1	160.1	166.4	146.2	144.7	148.2	139.4	138.8
WESTERN EUROPE	**6118.4**	**6486.9**	**5983.9**	**6207.4**	**6399.0**	**6677.3**	**6430.9**	**6666.1**
Belgium	415.3	394.5	356.8	439.0	360.8	675.3	532.6	371.6
France	743.1	755.3	693.4	699.5	775.9	776.8	875.2	889.3
Germany	711.8	755.3	582.8	704.3	661.0	661.8	758.0	617.4
Italy	269.6	270.4	241.9	230.3	223.9	224.8	398.1	182.4
Netherlands	1340.9	1555.7	1368.1	1459.2	1670.6	1671.4	1765.4	1909.3
United Kingdom	467.4	556.4	494.6	436.7	485.4	486.2	580.2	530.1
Others	2170.3	2199.3	2246.3	2238.4	2221.4	2181.0	1521.4	2166.0
MIDDLE EAST	**462.0**	**512.1**	**577.3**	**555.2**	**543.2**	**465.6**	**588.1**	**543.4**
Syrian Arab Rep.	20.7	21.2	22.0	20.7	19.4	18.1	106.8	195.5
Others	441.3	490.9	555.3	534.5	523.8	447.5	481.3	347.9
AFRICA	**773.8**	**804.9**	**867.3**	**853.1**	**894.4**	**1184.4**	**1353.4**	**1379.6**
Egypt	75.9	82.0	91.8	103.1	139.0	140.1	157.3	217.2
Morocco	77.2	80.0	83.0	81.8	80.6	79.6	60.2	53.0
Nigeria	154.3	154.8	171.3	156.4	162.0	375.4	412.4	350.7
Senegal	23.9	24.6	25.3	25.3	25.3	27.3	22.4	23.4
Tunisia	63.8	65.7	67.8	67.8	67.8	78.4	58.4	60.2
Others	378.7	397.8	428.1	418.7	419.7	483.6	642.7	675.1
ASIA & Paccific	**5872.8**	**6412.7**	**6451.4**	**7111.6**	**7133.9**	**7343.5**	**7377.6**	**7528.7**
Australia	224.6	255.0	252.9	337.3	339.0	303.8	334.2	390.3
China	634.1	733.4	680.8	803.5	777.2	835.2	960.1	895.2
Hong Kong	324.8	343.9	364.5	330.8	388.9	432.5	398.8	361.0
India	233.3	281.6	415.2	408.1	283.0	325.7	319.7	305.8
Japan	1044.9	1058.7	954.2	933.5	829.3	929.7	1300.3	1075.3
New Zealand	38.5	42.5	50.7	44.3	44.7	36.2	41.5	35.8
Singapore	1293.9	1496.1	1648.5	1978.2	2210.3	2214.8	1764.9	2167.8
Others	2078.7	2201.5	2084.6	2275.9	2261.5	2265.6	2258.1	2297.5
TOTAL WORLD	**18065.9**	**19086.3**	**18951.2**	**19548.0**	**19436.0**	**20207.5**	**20574.1**	**20689.2**

Source : OPEC Annual Statistical Bulletin, 2013.

XI.16 World Crude Oil Export by Country

(1,000 Barrels/ Day)

Country	2005	2006	2007	2008	2009	2010	2011	2012
1	2	3	4	5	6	7	8	9
NORTH AMERICA	**1378**	**1394**	**1422**	**1564**	**1535**	**1432**	**1735**	**1817**
Canada	1358	1,373	1,401	1,525	1,491	1,388	1,688	1,757
United States	20	21	21	39	44	44	47	60
LATIN AMERICA	**4739.0**	**4900.0**	**4728.0**	**4479.0**	**4271.0**	**4203.0**	**4567.0**	**4626.0**
Columbia	231	234.0	244.0	346.0	358	482	399.0	315.0
Ecuador	380	376.0	342.0	348.0	329	340	334.0	358.0
Mexico	2021	2048.0	1738.0	1446.0	1,312	1,459	1420.0	1333.0
Trinidad and Tobago	70	71.0	26.0	10.0	9	44	40.0	31.0
Venezuela	1788	1919.0	2116.0	1770.0	1,608	1,562	1553.0	1725.0
Others	249	252.0	262.0	559.0	655	316	821.0	864.0
EASTERN EUROPE & Eurasia	**5344.0**	**5543.0**	**5278.0**	**5058.0**	**5630.0**	**5632.0**	**5809.0**	**5886.0**
Russia	5335	5524.0	5264.0	5046.0	5,608	5609	5,786	5857.0
Others	9	19.0	14.0	12.0	22	23	23.0	29.0
WESTERN EUROPE	**3740.0**	**3444.0**	**3222.0**	**2785.0**	**2775.0**	**2451.0**	**2248.0**	**2113.0**
Norway	2377	2210.0	2012.0	1702.0	1773	1605	1423.0	1303.0
United Kingdom	1009	928.0	933.0	840.0	776	741	563.0	576.0
Others	354	306	277	243	226	105	262	234
MIDDLE EAST	**16898**	**17076**	**16948**	**17576**	**15499**	**16321**	**17743**	**18445**
Iran	2395	2,561	2,639	2,574	2,406	2,583	2,537	2,102
Iraq	1472	1,468	1,643	1,855	1,906	1,890	2,166	2,423
Kuwait	1651	1,723	1,613	1,739	1,348	1,430	1,816	2,070
Oman	761	769	683	593	574	745	738	768
Qatar	677	620	615	703	647	586	588	588
Saudi Arabia	7209	7,029	6,962	7,322	6,268	6,644	7,218	7,557
Syrian Arab Rep.	248	248	250	253	250	149	114	-
United Arab E.	2195	2,420	2,343	2,334	1,953	2,103	2,330	2,657
Others	290	238	200	203	147	191	236	280
AFRICA	**6481**	**6583**	**6883**	**6396**	**6769**	**6614**	**5356**	**6183**
Algeria	970	947	1,253	841	747	709	698	809
Angola	947	1,010	1,158	1,044	1,770	1,683	1,543	1,663
Cameroon	95	97	99	99	89	79	68	58
Congo	237	238	239	240	216	180	145	115
Egypt	45	57	44	98	102	87	83	91
Gabon	202	204	207	209	188	158	127	102
Libia	1306	1,426	1,378	1,403	1,170	1,118	300	962
Nigeria	2326	2,248	2,144	2,098	2,160	2,464	2,377	2,368
Others	353	356	361	364	327	136	15	15
ASIA AND PACIFIC	**1961**	**1878**	**1791**	**1742**	**1612**	**1505**	**1400**	**1384**
Australia	230	235	239	239	248	314	272	263
Brunei	199	201	182	164	152	161	170	179
China	161	126	76	107	104	40	51	49
Indonesia	374	301	319	294	250	356	301	300
Malaysia	383	391	401	402	372	369	260	268
Vietnam	363	365	276	206	202	153	104	110
Others	251	259	298	330	284	112	242	215
TOTAL WORLD	**40,541**	**40,818**	**40,272**	**39,600**	**38,091**	**38,158**	**38,858**	**40,454**
OPEC	23,690	24,048	24,205	24,032	22,313	23,112	23,457	25,281
OPEC percentage	58.4	58.9	60.1	60.7	58.6	60.6	60.4	62.5

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

Source : OPEC Annual Statistical Bulletin, 2013.

XI.17 World Exports of Refined Products by Country

(1,000 Barrels/ Day)

Country	2005	2006	2007	2008	2009	2010	2011	2012
1	2	3	4	5	6	7	8	9
NORTH AMERICA	**1475**	**1633**	**1673**	**2086**	**2221**	**2474**	**2934**	**3165**
Canada	442	463	443	445	431	411	387	467
United States	1033	1170	1230	1641	1790	2063	2547	2698
Others	0	0	0	0	0	0	0	0
LATIN AMERICA	**2161**	**2230**	**2299**	**2510**	**2425**	**2143**	**2167**	**1904**
Brazil	187	180	193	163	155	124	124	121
Ecuador	20	35	40	42	34	28	29	28
Mexico	178	228	221	244	219	209	194	146
Netherland Antilles	220	224	230	231	201	203	184	165
Trinidad and Tobago	130	133	104	94	78	61	116	68
Venezuela	609	599	639	912	956	751	786	675
Virgin Islands	403	410	419	421	394	367	340	313
Others	414	421	453	403	388	400	394	388
EASTERN EUROPE & Eurasia	**2076**	**2114**	**2015**	**1450**	**1613**	**2624**	**2759**	**2670**
Romania	68	69	**95**	101	196	76	90	73
Russia	1836	1864	**1730**	1127	1221	2243	2208	2280
Others	172	181	191	222	196	305	461	317
WESTERN EUROPE	**5587**	**5782**	**5680**	**5680**	**5545**	**5842**	**6160**	**5978**
Belgium	457	432	430	400	343	339	378	383
France	563	535	531	571	466	446	430	414
Germany	536	557	572	517	454	363	366	380
Italy	550	502	585	527	427	559	507	544
Netherlands	1605	1789	1565	1645	1913	2106	2078	2150
United Kingdom	616	580	611	561	521	543	575	558
Others	1261	1387	1386	1459	1421	1486	1826	1549
MIDDLE EAST	**3376**	**3451**	**3199**	**2960**	**3000**	**2846**	**3188**	**3532**
Bahrain	253	246	253	238	222	231	217	247
Iran	402	462	388	275	301	371	441	456
Iraq	14	56	66	85	26	5	164	472
Kuwait	614	750	739	708	674	632	629	661
Qatar	77	81	74	98	249	322	509	465
Saudi Arabia	1385	1278	1139	1058	1008	951	902	862
United Arab E.	509	453	408	359	374	188	227	225
Others	122	126	133	139	146	146	99	144
AFRICA	**953**	**1026**	**1077**	**1011**	**755**	**559**	**663**	**666**
Algeria	452	435	451	457	232	314	492	450
Angola	14	14	27	41	41	8	26	26
Egypt	7	68	65	67	64	29	21	51
Gabon	7	7	7	7	6	5	7	9
Nigeria	49	50	53	19	12	23	24	8
Libyan	163	183	198	157	136	48	21	40
Others	261	268	275	263	264	132	72	82
ASIA AND PACIFIC	**3673**	**3910**	**4263**	**5055**	**5290**	**5323**	**5256**	**5257**
Australia	97	84	64	50	49	43	36	47
China	330	323	313	456	523	583	621	524
Indonesia	142	226	107	103	82	85	92	71
Japan	173	204	287	406	391	369	345	269
Malaysia	230	238	248	189	286	303	224	402
Singapore	1125	1167	1475	1623	1766	1767	1671	1731
Others	1577	1668	1769	2228	2193	2173	2267	2213
TOTAL WORLD	**19301**	**20146**	**20207**	**20752**	**20849**	**21811**	**23127**	**23172**
OPEC	4450	4621	4222	4211	4043	3640	4250	4367
OPEC percentage	23	23	21	20	19	17	18	19

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

Source : OPEC Annual Statistical Bulletin, 2013.

XI.18 International Petroleum Crude Price Index

(US$/bbl))

Petroleum Spot	2005	2006	2007	2008	2009	2010	2011	2012
1	2	3	4	5	6	7	8	9
U.K. BRENT	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00
38.0/0.26	260.60	311.90	347.30	466.11	295.26	381.04	533.08	558.26
USA WEST TAXAS								
INTERMEDIATE, 40.0/0.4	231.00	269.99	295.54	408.83	252.98	324.69	388.35	384.71
UAE DUBAI FATEH								
32.5/1.43	242.20	301.96	335.53	460.50	303.39	383.22	521.15	535.18
IRAN LIGHT								
33.9/1.4	245.40	295.88	335.76	458.62	296.75	378.78	524.66	531.93
IRAN HEAVY								
31.0/1.6	241.00	299.69	336.82	459.52	304.47	385.43	532.95	547.76
INDONESIA MINAS								
33.0/0.1	232.20	280.44	316.25	432.72	279.02	353.74	493.51	501.29
NIGERIA								
BONNY LIGHT, 36.7/0.1	230.40	276.66	311.01	419.78	261.80	335.55	472.48	470.45
MEXICO								
ISTHUMAS, 31.8/1.51	228.30	271.52	306.49	431.84	275.96	353.11	479.09	483.22
RUSSIA URALS								
36.1/2.52	225.30	272.37	308.56	420.90	271.61	347.78	484.43	490.20
MALAYSIA TAPIS								
44.3/0.2	215.30	260.27	289.37	388.52	241.73	307.47	435.34	434.71
AUSTRALIA Gippsland								
GIPPSLAND, 46.0/0.13	237.80	287.55	319.86	430.40	270.15	346.02	482.26	476.25
SAUDI ARABIA								
ARAB HEAVY, 28.0/3.0	241.20	302.77	341.93	469.47	320.99	402.56	554.40	577.09

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, 2013.

XI.19 Crude Oil Spot Prices in US $/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 Iran Light	I.R.Iran Iran Heavy	Iraq Basrah Light	Oman Oman
1	2	3	4	5	6	7	8	9	10	11	12
2004	34.08	38.25	38.10	36.05	31.14	36.65	40.87	34.60	33.06	34.60	34.35
2005	48.66	54.22	55.60	53.46	45.28	54.09	57.26	50.66	47.99	48.33	50.48
2006	58.88	65.04	67.07	65.39	56.82	66.07	67.91	61.07	59.27	57.97	62.59
2007	66.35	72.93	74.49	72.33	64.18	72.87	75.44	69.30	67.06	66.40	68.86
2008	91.16	98.12	101.42	98.39	88.12	99.03	102.16	94.66	91.49	92.08	94.51
2009	60.68	62.16	63.35	62.86	60.25	63.78	64.00	61.25	60.62	60.50	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	114.21	110.34	108.32	111.76	114.71	109.79	109.06	107.96	109.35
Jan, 2012	112.00	111.2	na	na	111.73	113.03	na	109.8	111.8	110.2	110.91
Feb	116.79	119.9	na	na	116.21	119.31	na	117.1	116.5	116.2	117.15
Mar	122.32	125.7	na	na	121.84	125.61	na	122.8	122.5	122.0	122.92
Apr	117.53	120.11	na	na	116.62	120.44	na	117.35	117.78	116.26	117.44
May	107.56	110.57	na	na	106.89	110.58	na	107.69	107.06	105.94	107.76
Jun	93.32	95.49	na	na	92.67	96.76	na	93.35	93.09	92.02	94.49
Jul	98.75	102.69	na	na	98.24	101.48	na	99.97	98.81	98.16	99.43
Aug	108.91	111.78	na	na	108.47	110.88	na	111.30	109.36	108.68	108.92
Sep	110.02	111.76	na	na	109.76	113.57	na	112.24	110.99	109.39	111.31
Oct	107.56	110.89	na	na	106.91	111.36	na	109.60	108.11	106.66	108.83
Nov	106.82	108.61	na	na	106.13	109.69	na	107.77	106.80	105.45	107.23
Dec	106.19	108.99	na	na	104.79	108.90	na	107.61	106.56	105.04	106.34

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, 2013.

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

(Average Unit Value, FOB)

Crude	Country	2005	2006	2007	2008	2009	2010	2011	2012
1	2	3	4	5	6	7	8	9	10
Brent	UK(North Sea)	54.61	65.14	72.35	97.10	61.70	79.51	111.21	111.68
WTI	U.S.A	60.98	66.10	72.23	99.67	61.93	79.48	95.04	94.12
WTS	U.S.A	54.72	60.96	67.21	95.93	60.40	77.32	92.99	88.71
Light Lui.	Louisiana	59.78	67.54	75.32	102.45	64.54	82.83	112.38	111.69
Dubai	UAE	49.61	61.58	68.35	94.20	61.86	78.13	106.33	109.02
Iran Light	Iran	49.89	59.39	67.03	93.46	61.26	77.88	109.08	109.81
Iran Heavy	Iran	47.41	57.48	65.40	91.07	60.60	76.85	107.11	108.19
Urals	Russia	50.68	60.96	69.40	94.07	61.00	78.17	109.61	110.85
Minas	Indonesia	54.28	65.03	72.55	99.62	64.71	82.22	114.41	116.26
Tapis	Malaysia	58.13	69.98	77.76	104.90	65.08	82.72	119.30	117.00

Source : Energy Prices and Taxes, 2nd Quarter of 2013. International Energy Agency Publication.

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

Product	2005	2006	2007	2008	2009	2010	2011	2012
1	2	3	4	5	6	7	8	9
NW EUROPE								
Gasoline	63.97	74.17	83.35	100.22	70.06	87.32	116.42	122.89
Gas Oil	67.88	77.71	85.17	123.85	69.38	89.75	125.02	128.03
Jet/Kero	70.04	81.09	88.69	126.59	71.02	90.63	127.42	129.00
Naphtha	52.39	63.05	75.67	88.90	59.91	80.11	104.56	105.37
LSFO	40.13	46.79	54.49	79.14	56.36	72.28	100.38	105.12
HSFO	33.66	42.82	50.99	70.11	52.93	67.99	94.51	97.65
U.S.A								
Gasoline	71.01	85.58	93.06	109.38	73.42	91.29	123.86	131.91
Gas Oil	68.14	75.91	84.34	117.97	68.05	88.24	122.41	125.43
Jet/Kero	71.86	80.80	89.50	124.07	69.93	90.31	125.92	128.22
Naphtha	56.69	65.58	76.13	92.81	59.57	83.18	106.98	104.40
LSFO	40.13	46.79	54.49	79.14	56.36	72.28	100.38	na
HSFO	36.42	45.61	53.23	72.59	55.92	69.70	95.72	99.32
SINGAPORE								
Gasoline	62.52	73.22	82.74	103.25	70.37	88.48	119.81	123.44
Gas Oil	70.57	78.83	86.98	123.42	70.44	90.39	126.25	128.08
Jet/Kero	68.14	80.64	86.90	122.30	70.26	90.28	125.70	126.81
Naphtha	51.35	62.35	75.38	89.90	61.07	79.41	102.75	103.73
LSFO	45.08	50.61	58.27	88.34	53.31	80.83	109.75	115.43
HSFO	40.40	48.60	58.11	79.12	58.43	73.23	114.76	118.22

Source : Energy Prices and Taxes, 2nd Quarter of 2013. International Energy Agency Publication.

XI. 22 Natural Gas Prices for Industry and Household Use

USD/MWh (GCV basis) (using PPPs)

Country	2005	2006	2007	2008	2009	2010	2011	2012*
1	2	3	4	5	6	7	8	9
			FOR INDUSTRIAL USE					
Belgium	c	c	..	37.7	30	26.7	30.2	32.2
Canada	25.0	22.0	16.5	26.2	14.1	11.6	12.4	9.7
Czech Repubic	42.1	55.6	49.0	63.2	61.9	61.1	64.6	69.2
Estonia	..	..	..	48.2	46.0	51.7	52.7	64.4
Finland	13.5	17.9	17.9	23.9	22.7	24.6	34.6	37.9
France	24.8	31.3	29.1	40.5	31.4	36.2	42.8	46.1
Germany	31.8	42.9	43.5	48.2	42.2	43.4	48.6	49.7
Greece	30.3	..	38.5	54.0	38.9	47.1	56.4	74.6
Hungary	46.1	63.4	70.2	86.3	84.1	59.2	67.1	81.7
Ireland	25.6	32.4	c	38.1	33.4	32.8	37.7	42.4
Italy	28.1	37.3	37.7	48.2	44.0	39.2	..	..
Japan	29.3	34.9	38.2	..	39.5	43.0	52.6	..
Korea	43.8	52.3	57.3	60.2	65.2	73.6	81.3	..
Luxembourg	..	..	..	28.4	31.5	31.4	38.8	41.5
Mexico	46.9	44.8	44.3	55.6	..	..	..	..
Netherlands	..	..	33.3	37.3	36.0	30.6	32.9	36.0
New Zealand	17.7	21.6	21.6	19.7	21.7	19.1	18.5	17.5
Poland	33.4	42.5	48.4	59.4	61.9	63.7	67.1	75.7
Portugal	34.4	41.3	40.8	49.6	47.1	47.8	57.0	66.1
Slovak Republic	45.0	57.7	54.2	71.2	62.2	66.4	68.0	77.0
Slovenia	..	..	..	60.8	54.5	59.7	65.1	77.9
Spain	23.0	33.0	32.8	39.7	37.6	35.2	37.8	48.4
Sweden	..	..	39.2	49.5	41.8	44.5	49.1	48.3
Switzerland	24.7	31.6	37.2	44.8	43.1	39.4	44.4	47.2
Turkey	42.3	51.1	57.0	71.9	67.8	55.0	54.8	68.0
U.K	22.2	28.6	22.2	32.2	29.5	27.4	32.7	35.7
U.S.A	28.0	26.0	25.3	31.9	17.6	17.8	16.9	12.7
OECD Total	28.9	31.1	30.3	37.9	27.7	27.9	29.0	..
			FOR HOUSEHOLD USE					
Austria	57.0	62.7	67.8	70.7	76.0	72.7	79.1	82.9
Belgium	..	..	..	75.2	65.0	65.6	78.0	81.9
Canada	36.1	38.9	36.9	37.6	32.5	31.3	29.7	28.1
Chile	119.1	111.8	120.8	169.1	142.3	150.6	165.7	153.0
Czech Repubic	61.7	75.1	72.3	87.4	95.5	91.8	105.4	124.2
Denmark	75.2	..	..	..	77.8	89.6	96.1	90.6
Estonia	..	..	..	64.9	71.9	73	80	92.9
Finland	21.1	25.4	25.6	33.4	32.3	34.8	47.6	51.8
France	44.3	53.6	55.2	61.4	60.3	64.6	72.0	75.5
Germany	61.6	75.5	78.4	87.5	85.8	78.5	82.9	87.9
Greece	58.2	..	87.4	101.9	91.9	98.7	108.8	154.2
Hungary	32.7	42.0	74.0	85.8	98.7	89.4	98.1	103.1
Ireland	45.1	63.8	72.0	63.9	70.2	65.4	69.3	80.8
Italy	65.8	76.9	78.1	85.9	83.7	88.8	..	..
Japan	91.0	99.3	104.2	..	110.0	112.0	123.6	..
Korea	58.9	67.8	74.1	76.4	78.8	79.1	87.7	..
Lexembourg	34.7	41.8	..	56.4	48.3	47.1	57.1	61.3
Mexico	83.0	81.2	80.5	57.5	64.5	62.9	55.6	47.8
Netherlands	61.8	70.9	75.5	86.6	85.0	76.4	82.6	92.0
New Zealand	61.8	66.2	76.2	91.9	80.0	78.7	84.8	87.8
Poland	65.9	80.1	88.8	104.2	114.7	108.2	113.8	120.6
Portugal	97.5	105.3	102.2	96.6	93.3	96.2	106.5	128.3
Slovak Republic	65.6	84.3	84.8	89.9	94.0	87.3	93.3	100.3
Slovania	..	..	..	98.3	96.4	95.8	110.2	119.2
Spain	62.0	70.4	74.8	83.9	80.3	77.4	89.4	117.2
Sweden	..	..	94.9	106.7	107.4	108.6	118.8	119.8
Switzerland	41.2	49.7	56.7	65.8	62.8	60.5	65.8	70.3
Turkey	50.3	60.2	67.2	82.7	82.5	71.1	68.7	83.0
U.K	33.6	44.0	43.7	51.6	57.5	54.9	61.9	68.3
U.S.A	42.3	45.4	43.0	45.9	40.0	37.0	36.4	35.2
OECD Total	48.9	56.3	56.4	60.2	59.9	57.6	58.4	57.2

GCV: Gross Calorific Value.

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

Source : Energy Prices and Taxes, 2nd Quarter of 2013. International Energy Agency Publication.

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

(Average Unit Value, CIF)

Country	2005	2006	2007	2008	2009	2010	2011	2012*
1	2	3	4	5	6	7	8	9
IEA**	50.67	61.80	69.33	97.19	60.40	78.13	107.61	109.15
IEA Europe	51.74	62.77	70.81	96.83	61.09	79.05	110.54	111.58
Australia	56.71	66.71	77.13	107.83	63.40	82.60	155.66	117.78
Austria	53.15	64.44	71.86	103.05	60.69	80.00	110.92	112.50
Belgium	50.06	61.06	70.35	96.01	61.77	79.65	110.50	110.83
Canada	52.37	64.33	70.04	101.41	60.29	79.14	110.80	110.61
France	52.74	63.69	72.22	97.63	61.64	79.78	111.78	112.01
Germany	52.30	63.29	71.60	96.70	61.18	78.49	110.63	112.21
Greece	50.33	60.97	69.93	93.60	60.10	78.97	109.41	111.92
Italy	51.33	62.50	70.20	96.67	60.69	79.29	110.23	112.18
Japan	51.57	64.03	70.09	100.98	61.29	79.43	109.30	114.75
Korea	50.19	62.82	70.01	98.11	61.12	78.72	108.63	113.24
Netherlands	50.00	61.47	68.74	97.89	60.54	78.55	109.19	111.54
New Zealand	56.07	67.36	73.84	105.80	65.85	80.62	112.38	117.70
Spain	50.54	60.99	68.66	94.86	59.78	77.84	108.50	109.48
Sweden	51.78	62.50	70.13	95.09	60.58	79.00	110.67	112.36
U.K	53.79	65.00	73.80	99.34	62.39	80.60	113.49	112.62
U.S.A	48.82	59.15	66.77	94.97	58.83	76.02	102.43	101.16

**: Computed across the countries of the region using import volumes 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 2013.

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
2005						
January	39.87	38.55	44.01	38.26	33.41	37.78
March	48.50	46.42	53.15	46.85	41.81	45.60
June	52.37	51.15	55.93	52.47	48.34	51.37
September	58.74	54.60	65.60	57.63	51.57	56.41
December	53.20	50.83	57.91	52.84	49.16	53.22
2006						
January	58.99	56.52	64.04	58.43	54.91	58.56
March	58.77	55.80	63.80	57.54	54.08	57.82
June	64.30	62.37	70.22	65.03	59.84	65.22
September	58.56	56.75	63.87	59.72	54.56	59.82
December	56.98	55.69	64.28	57.70	53.72	58.69
2007						
January	49.12	48.42	56.18	50.86	46.15	51.92
March	57.92	56.22	64.60	58.08	54.40	58.80
June	67.99	63.61	74.45	65.92	61.44	65.79
September	74.88	71.94	79.87	74.28	69.86	73.36
December	89.12	84.37	93.55	86.29	82.51	85.79
2008						
January	89.21	85.63	94.85	88.75	82.85	87.35
March	99.35	95.58	106.68	99.23	92.67	96.72
June	127.89	124.37	136.44	129.35	120.62	127.82
September	97.56	93.15	100.48	97.57	89.92	95.90
December	40.03	36.47	43.10	38.82	34.38	40.46
2009						
January	39.13	40.00	45.44	41.23	38.31	43.94
March	44.52	44.91	49.70	46.39	43.76	45.59
June	68.16	68.73	69.55	69.00	68.74	69.41
September	66.43	66.45	68.74	67.34	66.16	67.74
December	74.34	74.03	75.68	74.38	74.00	75.42
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
February	117.1	116.79	122.36	118.01	116.21	116.17
March	122.8	122.32	127.98	123.43	121.84	122.47
April	117.35	117.53	122.36	118.94	116.62	117.30
May	107.69	107.56	112.87	108.48	106.89	107.71
June	93.35	93.32	97.19	94.51	92.67	94.44
July	99.97	98.75	104.24	99.90	98.24	99.15
August	111.30	108.91	114.63	109.94	108.47	108.62
September	112.24	110.02	114.06	111.32	109.76	111.22
October	109.60	107.56	113.31	109.09	106.91	108.80
November	107.77	106.82	110.91	108.47	106.13	107.22
December	107.61	106.19	111.19	108.35	104.79	106.34

Source: OPEC monthly Statistical Bulletin, 2013.

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

(US$bbl)

Market/Product	2011					2012											
	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	94.52	108.61	103.26	104.01	96.97	105.18	113.65	118.32	113.95	97.01	80.61	91.27	103.5	106.90	105.62	103.00	103.83
South Europeon Market, FOB Italy	92.56	105.66	101.18	102.04	94.06	127.73	138.90	144.28	139.02	118.29	98.22	111.3	126.1	130.38	128.77	125.67	126.41
US East Coast Market, spot cargos New York	79.97	87.41	93.90	97.40	96.15	115.69	123.01	127.14	120.76	111.69	99.86	102.7	120.3	124.84	116.75	116.92	118.67
Carribean Market,Cargoes	96.50	115.51	101.92	99.67	96.65	121.08	128.88	133.64	109.84	100.77	88.94	91.77	109.4	114.59	108.35	108.52	110.27
Singapore Cargoes	95.16	107.83	101.90	103.49	98.61	104.82	114.29	119.33	114.44	98.40	80.72	91.13	102.9	106.81	104.91	102.64	103.21
Middle East Gulf Market, FOB	93.37	105.55	100.74	101.31	96.76	102.73	111.22	115.92	110.95	95.77	79.27	88.34	100.2	103.84	101.96	99.17	99.77
GASOLINE																	
North Europeon Market, FOB, (regular unleaded)	105.73	121.26	122.89	123.64	112.46	115.91	125.30	137.82	137.02	122.85	110.7	117.8	130.1	133.41	132.65	125.92	127.74
North Europeon Market, FOB, (premium) 50ppm	118.53	145.12	142.97	141.87	141.25	119.56	129.29	141.01	140.55	126.22	114.6	121	133.1	137.67	126.60	117.89	120.03
South Europeon Market, FOB Italy(premium) 50ppm	64.63	69.49	84.23	88.35	87.10	134.52	144.80	155.92	157.66	141.12	128.9	135.9	148.4	154.44	142.47	133.02	131.52
US East Coast, NewYork (regular unleaded 87)	102.85	120.79	118.83	116.67	110.58	118.60	127.29	133.40	134.72	121.08	108.9	115.3	126.9	130.65	124.33	114.12	110.59
Singapore Cargoes(Premium Unl. 95)	106.38	120.97	120.33	124.36	113.86	123.99	130.70	136.64	134.98	121.57	104.5	113.4	127.2	125.97	124.07	119.61	118.85
Singapore Cargoes(Premium Unl. 92)	104.3	118.9	117.8	122.1	111.51	120.69	128.63	134.48	131.36	118.19	101.2	110.2	123.8	122.25	120.42	116.47	115.89
JET KERO																	
North Europeon Market, FOB Rotterdam	112.02	134.43	130.51	126.83	124.89	129.31	134.66	139.12	136.61	128.15	114.3	121.6	133.2	136.77	135.41	129.34	128.37
US East Coast, New York	111.66	137.98	128.57	125.13	122.78	131.82	136.61	138.34	136.77	127.00	114	123.8	123.6	135.87	132.32	127.22	126.42
Carribean Cargoes	111.23	132.73	129.32	125.50	121.94	142.68	148.25	150.67	136.84	126.34	113.9	123	134	135.20	131.77	125.88	125.49
Singapore Cargoes	109.89	131.92	126.89	123.53	122.87	126.70	132.46	136.18	133.26	123.36	110.3	117.5	129.5	132.57	130.17	125.21	124.75
Middle East Gulf Market, FOB	107.69	129.64	124.53	120.98	120.59	124.40	130.15	133.87	130.59	120.79	107.9	114.7	126.8	129.96	127.51	122.19	121.59
GAS OIL/Diesel																	
North Europeon Market, FOB Rotterdam	109.99	131.13	127.63	126.27	124.00	128.15	134.21	137.72	134.89	124.84	113.4	121.3	131.3	134.72	135.41	129.48	124.71
South Europeon Market, FOB Italy	67.86	70.41	81.28	85.50	83.47	133.70	139.98	144.14	140.70	130.64	117.7	126.4	136.5	139.88	138.57	131.63	129.88
US East Coast, New York	108.95	127.00	124.10	122.21	120.86	128.78	135.00	136.44	137.81	125.31	113.7	122.4	133.4	136.32	131.48	125.90	125.17
Carribean Cargoes	62.38	69.12	76.07	77.25	76.61	126.73	132.72	134.52	132.24	122.41	110	117	127.2	131.98	126.71	121.99	121.72
Singapore Cargoes	109.48	132.29	127.73	124.38	125.12	129.98	134.55	138.08	135.02	124.89	112	119.3	130.4	132.61	129.85	125.69	125.07
Middle East Gulf Market, FOB	105.85	128.00	123.44	120.02	121.12	125.92	130.54	133.72	130.07	119.89	107.1	114.00	126.4	127.75	124.81	120.71	120.02
FUEL OIL																	
North Europeon Market (1%s)	80.36	102.66	104.58	100.41	102.11	106.12	112.44	118.27	115.89	105.70	93.24	99.09	108.1	109.44	101.15	95.37	94.35
North Europeon Market (3.5%s)	80.53	95.47	98.87	99.27	97.12	105.87	109.08	111.72	108.87	100.23	88.76	93.14	100.9	102.07	96.86	92.46	91.16
South Europeon Market,(1%s) FOB italy	80.05	103.15	105.06	111.51	122.24	96.77	101.27	105.67	103.70	94.17	82.32	87.78	95.66	97.82	90.60	85.54	84.58
South Europeon Market,(3.5%s) FOB italy	78.98	94.57	97.87	99.63	102.06	89.97	92.67	94.92	92.49	85.08	75.2	78.92	85.71	86.67	82.16	78.40	77.22
US East Coast, New York (0.3%S)	98.52	119.75	119.48	113.68	113.50	49.19	51.74	54.65	52.55	47.54	42.35	44.79	48.18	49.84	47.23	41.88	41.87
US East Coast, New York (2.2%S)	79.16	97.97	101.2	98.26	96.31	43.33	46.16	47.9	46.35	42.4	36.78	39.35	42.32	45.78	40.54	35.24	35.23
Carribean Cargoes (2%s)	76.09	93.34	94.18	91.26	89.31	96.27	102.86	107.04	103.35	93.95	80.57	86.69	96.63	99.31	94.27	90.89	89.46
Carribean Cargoes (2.8%s)	74.64	92.05	93.13	90.20	87.86	94.62	101.22	105.26	100.72	99.33	79.17	84.91	93.18	97.06	92.19	89.02	87.80
Singapore Cargoes (380 Cst)	82.81	98.78	101.33	101.23	102.52	110.79	112.87	114.99	112.63	103.62	91.4	95.3	103.1	104.70	99.89	94.59	94.20
Singapore Cargoes (180 Cst)	83.71	100.70	103.62	105.42	105.72	111.16	112.64	115.14	112.34	103.75	91.87	95.63	103.6	105.32	100.04	94.51	94.14
Middle East Gulf Market, (180 Cst)	80.59	97.01	98.88	98.84	100.74	108.57	110.05	112.71	109.97	101.43	89.6	93.33	101.2	102.45	97.44	92.19	91.84

Source : OPEC Monthly Statistical Bulletin, 2013

XI.26 World Survey of Selected Petroleum Products Prices in 2012

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	0.966	1.550	..	..	..
Austria	0.778	1.812	..	1285.1	981.3
Belgium	0.778	1.969	x	1448.2	948.9
Canada	0.999	..	779.8	1154.9	929.6
Chile	485.990	1.248	..	1253.8	..
Czech Repubic	19.538	1.866	c	1245.3	949.9
Denmark	5.790	1.913	..	1923.8	1171.0
Estonia	0.778	1.764	..	1323.4	1102.9
Finland	0.778	1.985	..	1456.4	1184.1
France	0.778	1.795	..	1245.6	1007.5
Germany	0.778	1.915	..	1141.9	937.5
Greece	0.778	1.940	..	1465.8	1417.9
Hungry	224.800	1.930	..	x	..
Ireland	0.778	1.998	1135.0	1417.3	1454.1
Israel	3.856	2.054	c	2036.2	c
Italy	0.778	2.193	..	1872.8	1547.8
Japan	79.810	1.594	..	1149.0	1003.5
Korea	1126.000	1.604	905.9	1238.0	x
Luxembourg	0.778	1.616	x	1046.9	948.9
Mexico	13.150	0.800	600.8	x	662.2
Netherlands	0.778	1.856	x	..	..
New Zealand	1.235	1.217	697.1	..	784.7
Norway	5.815	2.273	x	1739.1	1391.3
Poland	3.252	1.742	707.0	1273.1	999.9
Portugal	0.778	1.864	x	1662.3	..
Slovak Republic	0.778	1.857	x	..	1072.3
Slovenia	0.778	1.750	..	1310.1	1091.7
Spain	0.778	1.754	..	1220.6	1026.2
Sweden	6.769	2.173	x	2032.3	1040.6
Switzerland	0.938	2.062	x	1108.3	969.8
Turkey	1.792	2.243	1218.6	1817.5	..
U.K	0.631	2.247	x	1121.1	1042.2
U.S.A	1.00	1.049	727.2	1040.7	800.8

.. : not available

x : not applicable c : confidential

Source : International Energy Agency's "Energy Prices and Taxes" 2nd Quarter of 2013.

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

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

Ports	2004*	2005*	2006*	2007*	2008*	2009*	2010*	2011*	2012*	2013*
1	2	3	4	5	6	7	8	9	10	11
Paris	108.26	179.30	199.01	200.10	333.80	142.80	226.11	337.38	341.81	314.42
Frankfurt	NA	177.52	192.88	192.99	330.03	140.39	223.24	330.00	341.02	303.55
Nairobi	NA	182.81	204.61	202.11	333.06	148.94	234.05	339.44	347.24	NA
Kualalampur	NA	164.71	186.94	185.56	303.74	132.36	213.35	319.36	330.97	293.61
Singapore	97.2	169.25	187.59	186.71	305.59	145.23	212.18	321.68	326.91	289.58
Abu Dhabi	NA	176.59	196.63	193.47	316.21	146.42	228.97	334.64	343.83	307.63
Dubai	110.98	184.10	206.02	202.66	319.89	150.10	227.56	332.90	333.84	301.75
London	104.43	176.25	196.68	200.64	333.43	144.17	226.29	337.55	342.35	304.94
Kuwait	NA	179.97	200.16	197.00	285.94	133.13	206.23	300.75	309.81	280.94
New York	104.32	169.48	203.46	206.49	320.68	147.75	219.92	324.55	356.19	303.13
Tokyo	111.82	177.79	197.52	195.39	314.16	143.21	221.71	327.36	346.63	314.95
Mumbai	156.73	259.65	230.08	241.57	384.85	163.92	252.83	374.67	392.82	323.15
Delhi	160.79	203.07	233.10	243.63	387.40	166.16	254.66	378.02	392.40	322.80
Madras	166.41	197.58	228.73	238.47	381.12	164.18	253.91	358.89	390.71	324.01

NA : Not available

*: Average price.

Source : Air India

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

Country	2006		2007		2008		2009		2010		2011		2012*	
	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	315.0
Angola	na	na	na	na							8	1186.0	30	4775.0
Ecuador	na	na	na	na	8	269	8	269	8	269	10	579	14	957
I.R.Iran	32	6050.0	29	6202.0	42	9560.0	42	9560.0	47	10994.0	47	10994.0	47	10994.0
Iraq	1	37.0	1	37.0	2	26.0	4	53.0	4	53.0	4	53.0	4	53.0
Kuwait	18	2802.0	22	3241.0	21	3113.0	20	3110.0	16	2223.0	16	2223.0	21	3404.0
S.P. Libyan,A.J.	6	275.0	8	627.0	8	627.0	8	627.0	8	627.0	5	548.0	5	548.0
Nigeria	2	409.0	2	409.0	2	409.0	2	409.0	2	409.0	2	409.0	2	409.0
Qatar	6	438.0	6	528.0	6	528.0	6	528.0	6	528.0	6	528.0	6	528.0
Saudi Arabia	41	10055.0	41	10055.0	46	10483.0	40	8662.0	35	6993.0	32	5766.0	20	5051.0
UAE	6	218.0	6	218.0	13	660.0	13	660.0	13	660.0	13	660.0	13	660.0
Venezuela	21	1348.0	21	1348.0	16	1091.0	16	1091.0	16	1091.0	18	1348.0	19	1452.0
Total OPEC	134	21947	137	22980	165	27081	160	25284	156	24162	162	24609	182	29146
Total World	**4177**	**359618**	**4418**	**375591**	**4825**	**398196**	**5713**	**481185**	**5147**	**444815**	**5406**	**462549**	**5188**	**485470**
OPEC %age		6.1		6.1		6.8		5.3		5.4		5.3		6.0

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, 2013.

XI.29 Oil Trade Movements

Thousand barrels daily

To/From	2005	2006	2007	2008	2009	2010	2011	2012	2012 share of total
1	2	3	4	5	6	7	8	9	10
Imports									
US	13525	13612	13632	12872	11453	11689	11338	**10587**	100.0%
Europe #	13261	13461	13953	13751	12486	12094	12208	**12488**	118.0%
Japan	5225	5201	5032	4925	4263	4567	4494	**4743**	44.8%
Rest of World	19172	20287	22937	23078	24132	25160	26570	**27496**	259.7%
Total World	**51182**	**52561**	**55554**	**54626**	**52333**	**53510**	**54610**	**55314**	**522.5%**
Exports									
US	1129	1317	1439	1967	1947	2154	2497	**2680**	102.9%
Canada	2201	2330	2457	2498	2518	2599	2798	**3056**	117.4%
Mexico	2065	2102	1975	1609	1449	1539	1487	**1366**	52.5%
South & Central America	3528	3681	3570	3616	3748	3568	3764	**3834**	147.2%
Europe	2149	2173	2273	2023	2034	1888	2053	**2174**	83.5%
Former Soviet Union	7076	7155	8334	8184	7972	8544	8791	**8597**	330.2%
Middle East	19821	20204	19680	20128	18409	18883	19753	**19699**	756.6%
North Africa	3070	3225	3336	3260	2938	2871	1949	**2604**	100.0%
West Africa	4358	4704	4830	4587	4364	4601	4654	**4564**	175.3%
Asia Pacific	4243	4312	6004	5392	5631	6226	6217	**6419**	246.5%
Rest of World *	1542	1359	1656	1363	1323	637	646	**322**	12.3%
Total World	**51182**	**52561**	**55554**	**54626**	**52333**	**53510**	**54610**	**55314**	**2124.4%**

* Includes unidentified trade.

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

Source: BP Statistical review of World Energy, 2013

XI.30 World Primary Energy Consumption by Fuel* during 2012

Million tonnes oil equivalent

Country	Oil	Natural Gas	Coal	Nuclear Energy	Hydro electricit	Renew-ables	Total
1	2	3	4	5	6	7	8
US	819.9	654.0	437.8	183.2	63.2	50.7	**2208.8**
Canada	104.3	90.6	21.9	21.7	86.0	4.3	**328.8**
Mexico	92.6	75.3	8.8	2.0	7.1	2.0	**187.7**
Total North America	**1016.8**	**820.0**	**468.5**	**206.9**	**156.3**	**57.0**	**2725.4**
Argentina	28.2	42.6	1.0	1.4	8.4	0.6	**82.1**
Brazil	125.6	26.2	13.5	3.6	94.5	11.2	**274.7**
Chile	17.9	5.4	6.7	-	4.6	0.9	**35.5**
Colombia	12.7	8.9	4.0	-	10.8	0.2	**36.5**
Ecuador	11.0	0.6	-	-	2.8	0.1	**14.4**
Peru	9.6	6.7	0.8	-	5.0	0.2	**22.3**
Trinidad & Tobago	1.6	19.5	-	-	-	^	**21.2**
Venezuela	36.6	31.4	0.2	-	18.6	-	**86.8**
Other S. & Cent. America	59.0	7.1	2.0	-	21.1	2.4	**91.8**
Total S. & Cent. America	**302.2**	**148.6**	**28.2**	**5.0**	**165.7**	**15.6**	**665.3**
Austria	12.4	8.1	2.0	-	8.9	1.6	**33.1**
Azerbaijan	4.2	7.6	^	-	0.4	-	**12.2**
Belarus	9.1	16.7	^	-	^	0.1	**25.9**
Belgium	30.6	15.2	3.0	9.1	0.1	2.6	**60.6**
Bulgaria	3.8	2.5	7.0	3.6	0.7	0.3	**17.9**
Czech Republic	9.1	7.4	16.6	6.9	0.7	1.3	**41.9**
Denmark	7.6	3.5	2.5	-	^	3.4	**17.0**
Finland	9.1	2.8	2.9	5.3	3.8	2.6	**26.4**
France	80.9	38.2	11.4	96.3	13.2	5.4	**245.4**
Germany	111.5	67.7	79.2	22.5	4.8	26.0	**311.7**
Greece	15.4	3.8	7.5	-	1.0	1.1	**28.8**
Hungary	6.0	8.8	3.0	3.6	^	0.6	**21.9**
Republic of Ireland	6.2	4.0	1.5	-	0.2	1.0	**13.0**
Italy	64.2	61.8	16.2	-	9.4	10.9	**162.5**
Kazakhstan	12.8	8.5	35.0	-	1.8	^	**58.1**
Lithuania	2.6	3.0	0.2	-	0.1	0.2	**6.0**
Netherlands	44.1	32.8	8.5	0.9	^	2.7	**89.1**
Norway	10.8	3.9	0.7	-	32.3	0.5	**48.1**
Poland	25.1	14.9	54.0	-	0.5	3.1	**97.6**
Portugal	10.9	4.2	2.9	-	1.5	3.1	**22.7**
Romania	8.8	12.1	6.7	2.6	2.8	0.6	**33.6**
Russian Federation	147.5	374.6	93.9	40.3	37.8	0.1	**694.2**
Slovakia	3.5	5.4	3.2	3.5	1.0	0.3	**16.9**
Spain	63.8	28.2	19.3	13.9	4.6	14.9	**144.8**
Sweden	13.8	1.0	1.5	14.6	17.8	4.2	**52.9**
Switzerland	11.2	2.9	0.1	5.8	8.6	0.4	**29.0**
Turkey	31.5	41.7	31.3	-	13.1	1.6	**119.2**
Turkmenistan	4.8	20.9	-	-	^	-	**25.8**
Ukraine	13.2	44.6	44.6	20.4	2.4	0.1	**125.3**
United Kingdom	68.5	70.5	39.1	15.9	1.2	8.4	**203.6**

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XI.30 World Primary Energy Consumption by Fuel* during 2012

Million tonnes oil equivalent

Country	Oil	Natural Gas	Coal	Nuclear Energy	Hydro electricit	Renew-ables	**Total**
1	2	3	4	5	6	7	8
Uzbekistan	3.9	43.1	1.2	-	2.3	-	**50.5**
Other Europe & Eurasia	32.8	14.5	22.2	1.8	19.8	1.7	**92.7**
Total Europe & Eurasia	**879.8**	**975.0**	**516.9**	**266.9**	**190.8**	**99.1**	**2928.5**
Iran	89.6	140.5	0.9	0.3	2.9	^	**234.2**
Israel	13.6	2.3	8.8	-	^	0.1	**24.8**
Kuwait	20.9	15.5	-	-	-	-	**36.4**
Qatar	8.0	23.5	-	-	-	-	**31.6**
Saudi Arabia	129.7	92.5	-	-	-	-	**222.2**
United Arab Emirates	32.6	56.6	-	-	-	^	**89.3**
Other Middle East	81.4	39.6	0.2	-	2.2	^	**123.5**
Total Middle East	**375.8**	**370.6**	**9.9**	**0.3**	**5.1**	**0.1**	**761.9**
Algeria	16.7	27.8	-	-	0.1	0.1	**44.6**
Egypt	35.2	47.3	1.1	-	3.0	0.3	**87.1**
South Africa	26.9	3.4	89.8	3.2	0.4	0.1	**123.8**
Other Africa	87.7	32.0	6.6	-	20.6	0.9	**147.8**
Total Africa	**166.5**	**110.5**	**97.5**	**3.2**	**24.1**	**1.4**	**403.3**
Australia	46.7	22.9	49.3	-	4.1	2.8	**125.7**
Bangladesh	5.6	19.6	0.7	-	0.4	^	**26.3**
China	483.7	129.5	1873.3	22.0	194.8	31.9	**2735.2**
China Hong Kong SAR	17.9	2.5	7.6	-	-	^	**28.1**
India	171.6	49.1	298.3	7.5	26.2	10.9	**563.5**
Indonesia	71.6	32.2	50.4	-	2.9	2.2	**159.4**
Japan	218.2	105.1	124.4	4.1	18.3	8.2	**478.2**
Malaysia	29.8	30.0	14.3	-	1.8	0.3	**76.3**
New Zealand	7.0	3.8	1.7	-	5.2	2.0	**19.6**
Pakistan	20.0	37.3	4.3	1.3	6.4	^	**69.3**
Philippines	13.0	3.1	9.4	-	2.5	2.3	**30.2**
Singapore	66.2	7.5	-	-	-	0.3	**74.0**
South Korea	108.8	45.0	81.8	34.0	0.7	0.8	**271.1**
Taiwan	42.2	14.7	41.1	9.1	1.2	1.1	**109.4**
Thailand	52.4	46.1	16.0	-	2.0	1.2	**117.6**
Vietnam	16.6	8.5	14.9	-	11.9	^	**52.0**
Other Asia Pacific	18.3	5.6	21.6	-	10.7	0.1	**56.3**
Total Asia Pacific	**1389.4**	**562.5**	**2609.1**	**78.1**	**289.0**	**64.1**	**4992.2**
Total World	**4130.5**	**2987.1**	**3730.1**	**560.4**	**831.1**	**237.4**	**12476.6**

* 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, 2013

XI.31 Per Capita Primary Energy Consumption* Some International Comparisons during 2012

Kg. oil equivalent

Country	Oil	Natural Gas	Coal	Nuclear Energy	Hydro electricity	Renew-ables	2012 Total
1	2	3	4	5	6	7	8
US	2645.0	2109.9	1412.2	591.2	203.9	163.6	7125.8
Canada	3049.2	2649.6	639.5	633.5	2515.1	126.4	9613.3
Mexico	854.3	694.6	81.5	18.3	65.2	18.1	1732.0
Total North America	2246.6	1811.7	1035.1	457.2	345.4	126.0	6022.0
Argentina	696.2	1051.0	24.2	34.7	206.5	14.8	2027.4
Brazil	649.6	135.8	69.7	18.8	488.7	58.1	1420.6
Chile	1046.5	316.6	391.1	0.0	270.0	52.7	2076.9
Colombia	278.4	194.3	87.8	0.0	236.6	3.8	800.9
Ecuador	769.8	41.6	0.0	0.0	194.6	4.8	1010.8
Peru	324.5	229.0	27.0	0.0	169.3	6.4	756.2
Trinidad & Tobago	1205.3	14541.2	0.0	0.0	0.0	3.6	15750.0
Venezuela	1267.3	1088.5	7.6	0.0	642.4	0.0	3005.8
Other S. & Cent. America	1202.6	145.4	41.6	0.0	431.0	49.8	1870.4
Total S. & Cent. America	720.2	354.1	67.2	12.0	395.0	37.2	1585.8
Austria	1486.5	972.1	235.1	0.0	1064.0	195.7	3953.4
Azerbaijan	468.3	847.0	0.3	0.0	45.8	0.0	1361.4
Belarus	962.0	1762.8	5.0	0.0	1.0	5.3	2736.1
Belgium	2825.6	1407.0	275.1	842.1	8.4	238.0	5596.3
Bulgaria	502.4	323.6	926.6	471.2	96.3	43.5	2363.5
Czech Republic	863.9	701.0	1582.4	652.7	65.6	124.5	3990.1
Denmark	1372.7	633.4	446.9	0.0	0.7	607.9	3061.5
Finland	1696.3	516.2	538.1	979.4	706.2	490.9	4927.1
France	1236.6	584.3	174.3	1470.8	201.4	82.8	3750.1
Germany	1364.1	828.2	968.7	275.4	58.7	317.9	3813.0
Greece	1360.9	333.5	660.1	0.0	88.0	100.4	2542.9
Hungary	594.6	875.9	296.3	356.9	4.8	59.1	2187.7
Republic of Ireland	1391.1	901.1	332.3	0.0	50.9	230.3	2905.6
Italy	1063.8	1024.4	268.4	0.0	155.5	180.8	2692.9
Kazakhstan	791.2	527.6	2158.6	0.0	111.8	0.0	3589.2
Lithuania	774.8	897.1	56.8	0.0	18.8	48.3	1795.8
Netherlands	2657.0	1974.4	510.0	53.8	1.4	165.6	5362.2
Norway	2203.9	791.6	134.9	0.0	6603.3	95.5	9829.1
Poland	658.7	390.8	1414.4	0.0	12.1	82.2	2558.1
Portugal	1024.5	396.5	273.2	0.0	141.7	294.6	2130.5
Romania	410.7	565.2	310.4	120.9	128.9	29.2	1565.3
Russian Federation	1039.1	2639.5	661.4	284.0	266.3	0.9	4891.3
Slovakia	652.0	992.4	592.0	646.1	182.8	53.8	3119.0
Spain	1358.9	601.5	411.1	295.8	98.8	318.1	3084.2
Sweden	1474.0	105.9	155.9	1561.3	1903.5	452.8	5653.3
Switzerland	1445.0	370.2	18.0	745.0	1101.8	51.4	3731.5
Turkey	433.8	574.3	431.4	0.0	180.4	22.4	1642.3
Turkmenistan	934.8	4042.6	0.0	0.0	0.1	0.0	4977.6
Ukraine	287.2	973.0	971.2	444.6	51.7	2.9	2730.6
United Kingdom	1103.4	1135.6	630.5	256.8	19.1	135.8	3281.1

XI.31 Per Capita Primary Energy Consumption* Some International Comparisons during 2012

Kg. oil equivalent

Country	Oil	Natural Gas	Coal	Nuclear Energy	Hydro electricity	Renew-ables	2012 Total
1	2	3	4	5	6	7	8
Uzbekistan	141.1	1550.3	43.9	0.0^	82.1	0.0	1817.4
Other Europe & Eurasia	601.2	265.5	406.700.2	32.5	363.7	30.5	1
Total Europe & Eurasia	987.8	1094.6	580.4	299.6	214.2	111.3	3287.8
Iran	1192.9	1871.1	11.7	4.2	38.4	0.5	3118.9
Israel	1785.7	307.2	1154.9	0.0	0.8	12.7	3261.3
Kuwait	6865.4	5070.8	0.0	0.0	0.0	0.0	11936.2
Qatar	4728.3	13872.2	0.0	0.0	0.0	0.0	18600.5
Saudi Arabia	4940.6	3525.1	0.0	0.0	0.0	0.0	8465.7
United Arab Emirates	6933.2	12029.8	090	0.0	0.0	1.0	18963.
Other Middle East	878.3	427.7	2.2	0.0	24.3	0.0	1332.5
Total Middle East	1780.6	1756.0	46.7	1.5	24.3	0.7	3609.9
Algeria	470.3	785.6	0.0	0.0	2.5	1.5	1259.9
Egypt	446.9	600.5	14.4	0.0	38.3	4.4	1104.6
South Africa	538.2	67.8	1795.8	64.3	8.7	1.6	2476.5
Other Africa	104.7	38.2	7.9	0.0	24.6	1.1	176.4
Total Africa	166.2	110.3	97.3	3.2	24.1	1.4	402.6
Australia	2081.0	1021.2	2198.8	0.0	181.2	123.9	5606.2
Bangladesh	34.2	119.2	4.3	0.0	2.3	0.1	160.2
China	361.2	96.7	1398.8	16.5	145.5	23.8	2042.4
China Hong Kong SAR	2563.3	361.2	1085.1	0.0	0.0	0.1	4009.6
India	144.9	41.4	251.8	6.3	22.1	9.2	475.7
Indonesia	305.8	137.6	215.3	0.0	12.4	9.5	680.6
Japan	1712.9	824.8	976.4	32.0	143.8	64.1	3754.0
Malaysia	1053.5	1059.7	506.5	0.0	65.1	11.2	2696.0
New Zealand	1589.5	866.7	395.6	0.0	1176.6	454.0	4482.4
Pakistan	117.5	219.2	25.0	7.6	37.8	0.0	407.0
Philippines	137.8	32.7	99.9	0.0	26.1	24.9	321.4
Singapore	13271.5	1499.5	0.0	0.0	0.0	58.0	14829.0
South Korea	2185.2	904.6	1644.3	683.4	14.2	15.8	5447.6
Taiwan	1832.7	637.5	1786.0	397.7	53.2	49.8	4756.9
Thailand	824.9	725.9	251.1	0.0	31.0	18.4	1851.3
Vietnam	193.8	98.6	174.2	0.0	139.2	0.4	606.2
Other Asia Pacific	118.5	36.6	140.3	0.0	69.3	0.8	365.5
Total Asia Pacific	369.8	149.7	694.4	20.8	76.9	17.1	1328.7
Total World	613.5	443.6	554.0	83.2	123.4	35.3	1853.0

* In this Review, primary energy comprises commercially traded fuels including modern renewables usedto 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, 2013

XI.32 Per Capita Consumption of Main Petroleum Products Some International Comparisons During 2012

Kg.Oil/Per Capita

Country/Area	Light Distillates	Middle Distillates	Fuel Oil	Others	Total
1	2	3	4	5	6
USA	1439	848	55	639	2981
Europe	166	413	59	152	791
Middle East	445	650	452	425	1971
China	118	139	31	92	380
Japan	638	532	317	356	1843
OECD	682	659	111	388	1840

Note: Population 2012 data has been taken from "Population Reference Bureau".

Source : B.P Statistical Review of World Energy, June 2013.

XI.33 Trends in World Primary Energy Consumption

(Million Tonnes Oil Equivalent)

Year	Oil	Natural Gas	Coal	Nuclear Energy	Hydro electricity	Renewable	Total
2004	3798.6	2425.2	2798.9	625.1	643.2	na	10291.0
2005	3861.3	2512.2	2957.0	627.0	666.6	na	10624.1
2006	3950.1	2562.1	3075.1	635.2	688.1	95.0	11005.6
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 (P)	4130.5	2987.1	3730.1	560.4	831.1	237.4	12476.6

(P) : Provisional

na: not available

Source : B.P Statistical Review of world Energy 2013

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

Million tonnes oil equivalent

Country	2005	2006	2007	2008	2009	2010	2011	2012	2012 share of total
1	2	3	4	5	6	7	8	9	10
US	2351.2	2332.7	2372.7	2319.8	2205.8	2281.2	2265.2	2208.8	17.7%
Canada	324.1	321.4	327.5	326.1	311.7	315.6	328.6	328.8	2.6%
Mexico	164.5	168.8	167.8	170.8	171.7	173.9	180.5	187.7	1.5%
Total North America	**2839.8**	**2822.9**	**2867.9**	**2816.7**	**2689.2**	**2770.8**	**2774.3**	**2725.4**	**21.8%**
Argentina	68.8	71.8	74.7	76.5	75.7	77.3	80.4	82.1	0.7%
Brazil	206.5	212.4	225.9	236.0	235.2	257.5	269.7	274.7	2.2%
Chile	28.3	30.3	30.7	30.4	30.6	29.9	33.3	35.5	0.3%
Colombia	28.2	28.8	29.5	30.4	31.9	33.3	35.9	36.5	0.3%
Ecuador	9.7	10.3	10.9	11.6	11.5	12.8	13.6	14.4	0.1%
Peru	13.4	13.6	14.9	16.2	16.6	18.9	20.6	22.3	0.2%
Trinidad & Tobago	15.9	20.5	21.4	21.0	21.7	22.8	22.4	21.2	0.2%
Venezuela	71.0	77.1	76.0	83.0	82.3	83.2	84.7	86.8	0.7%
Other S.&Cent. America	82.9	84.6	86.9	85.1	84.7	87.3	89.0	91.8	0.7%
Total S.&Cent. America	**524.8**	**549.4**	**570.9**	**590.3**	**590.2**	**623.0**	**649.5**	**665.3**	**5.3%**
Austria	35.2	35.0	34.2	34.8	34.1	35.2	32.0	33.1	0.3%
Azerbaijan	13.8	13.6	12.3	12.3	10.9	10.7	11.9	12.2	0.1%
Belarus	23.8	25.3	24.4	25.7	24.0	25.2	25.6	25.9	0.2%
Belgium	64.6	64.7	65.0	67.2	62.7	66.4	63.7	60.6	0.5%
Bulgaria	19.6	20.0	19.4	19.5	17.0	17.8	19.1	17.9	0.1%
Czech Republic	45.3	46.1	45.5	44.5	41.8	43.5	42.8	41.9	0.3%
Denmark	19.8	21.9	20.9	20.0	18.8	19.6	18.3	17.0	0.1%
Finland	28.1	29.4	29.4	28.7	26.7	28.9	26.9	26.4	0.2%
France	263.0	261.3	257.9	258.9	245.0	253.1	244.7	245.4	2.0%
Germany	333.1	339.6	324.5	326.8	307.7	322.4	307.5	311.7	2.5%
Greece	33.9	34.9	34.9	34.5	33.1	31.1	30.4	28.8	0.2%
Hungary	26.0	25.8	25.5	25.2	23.0	23.7	23.0	21.9	0.2%
Republic of Ireland	15.1	15.5	15.9	15.7	14.4	14.4	13.3	13.0	0.1%
Italy	185.1	184.6	181.8	180.4	168.1	173.2	169.6	162.5	1.3%
Kazakhstan	47.2	50.7	52.4	53.3	50.1	50.0	55.7	58.1	0.5%
Lithuania	8.3	8.0	8.6	8.6	7.8	5.9	6.1	6.0	•
Netherlands	96.7	96.1	95.6	93.6	92.3	96.5	91.9	89.1	0.7%
Norway	46.0	42.4	46.1	47.1	43.9	42.1	43.2	48.1	0.4%
Poland	91.2	94.7	95.7	96.2	92.1	99.5	99.8	97.6	0.8%
Portugal	25.6	25.5	25.4	23.8	24.2	25.4	24.1	22.7	0.2%
Romania	39.8	40.6	37.5	38.5	34.0	34.3	35.4	33.6	0.3%
Russian Federation	647.9	675.6	680.1	683.5	647.8	674.0	696.5	694.2	5.6%
Slovakia	18.8	17.9	17.2	17.7	16.0	17.0	16.5	16.9	0.1%
Spain	153.7	155.1	159.6	155.5	145.1	146.6	145.6	144.8	1.2%
Sweden	53.8	50.7	51.8	51.5	47.2	50.7	50.5	52.9	0.4%
Switzerland	27.7	28.9	28.6	29.7	29.7	29.0	27.5	29.0	0.2%
Turkey	86.0	96.2	103.1	102.7	102.8	110.4	118.1	119.2	1.0%
Turkmenistan	18.8	20.7	23.8	23.6	22.6	24.8	27.1	25.8	0.2%
Ukraine	136.1	137.5	135.4	131.9	112.2	120.9	125.6	125.3	1.0%
United Kingdom	228.2	225.5	218.3	219.8	207.7	213.8	200.5	203.6	1.6%
Uzbekistan	46.1	45.9	48.7	52.3	46.7	48.0	51.6	50.5	0.4%
Other Europe & Eurasia	89.4	87.2	89.5	91.1	88.1	93.9	92.4	92.7	0.7%
Total Europe & Eurasia	**2967.7**	**3017.0**	**3009.2**	**3014.6**	**2837.8**	**2948.0**	**2936.6**	**2928.5**	**23.5%**

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

Million tonnes oil equivalent

Country	2005	2006	2007	2008	2009	2010	2011	2012	2012 share of total
1	2	3	4	5	6	7	8	9	10
Iran	179.5	189.8	195.7	202.1	214.3	221.5	227.0	234.2	1.9%
Israel	21.6	21.8	22.9	23.8	23.1	23.4	24.0	24.8	0.2%
Kuwait	30.5	28.9	28.8	30.4	31.5	34.8	35.7	36.4	0.3%
Qatar	20.8	22.2	22.6	23.4	24.1	24.9	27.5	31.6	0.3%
Saudi Arabia	152.4	158.6	165.0	179.2	186.4	202.4	207.5	222.2	1.8%
United Arab Emirates	62.3	65.3	72.5	82.9	81.3	84.8	88.1	89.3	0.7%
Other Middle East	91.6	90.2	91.6	103.2	107.7	116.3	117.7	123.5	1.0%
Total Middle East	**558.7**	**576.7**	**599.1**	**645.1**	**668.3**	**708.0**	**727.4**	**761.9**	**6.1%**
Algeria	32.6	33.5	35.4	37.5	39.6	38.6	40.7	44.6	0.4%
Egypt	62.5	65.8	69.9	74.1	76.9	81.2	82.7	87.1	0.7%
South Africa	115.0	116.8	122.9	128.5	124.0	123.1	122.2	123.8	1.0%
Other Africa	123.0	121.6	126.3	133.1	131.3	142.8	138.4	147.8	1.2%
Total Africa	**333.1**	**337.7**	**354.5**	**373.1**	**371.9**	**385.7**	**384.0**	403.3	**3.2%**
Australia	119.0	125.1	125.4	125.2	124.3	123.2	126.5	125.7	1.0%
Bangladesh	17.4	18.7	19.3	20.4	21.4	23.1	24.4	26.3	0.2%
China	1601.2	1764.7	1878.7	1969.9	2101.5	2338.0	2540.8	2735.2	21.9%
China Hong Kong SAR	22.9	24.7	26.2	24.5	27.0	27.7	28.6	28.1	0.2%
India	366.8	390.0	420.1	446.5	484.1	511.6	534.8	563.5	4.5%
Indonesia	118.8	121.5	129.4	123.3	133.6	148.7	158.6	159.4	1.3%
Japan	531.4	530.1	526.7	520.7	477.9	506.7	481.1	478.2	3.8%
Malaysia	61.3	65.9	69.6	71.0	70.6	76.1	74.9	76.3	0.6%
New Zealand	18.8	19.0	19.0	19.1	19.1	19.7	19.5	19.6	0.2%
Pakistan	58.9	61.8	65.2	64.9	67.0	68.0	68.1	69.3	0.6%
Philippines	27.6	25.9	27.3	27.1	27.5	27.9	28.8	30.2	0.2%
Singapore	49.6	53.1	58.5	61.3	64.8	70.8	73.9	74.0	0.6%
South Korea	220.8	222.9	231.9	236.4	237.4	254.6	267.8	271.1	2.2%
Taiwan	106.5	108.0	112.9	106.8	104.4	110.6	109.8	109.4	0.9%
Thailand	86.5	88.9	92.7	95.5	99.3	105.0	111.1	117.6	0.9%
Vietnam	29.8	32.3	34.9	36.7	42.1	43.7	48.4	52.0	0.4%
Other Asia Pacific	46.5	49.6	48.1	49.7	50.3	52.5	56.1	56.3	0.5%
Total Asia Pacific	**3483.7**	**3702.0**	**3885.9**	**3999.0**	**4152.4**	**4507.9**	**4753.2**	**4992.2**	**40.0%**
Total World	**10707.7**	**11005.6**	**11287.5**	**11438.7**	**11309.8**	**11943.4**	**12225.0**	**12476.6**	**100.0%**

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

^ Less than 0.05.

n/a 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 2013.

XI. 35 Economic Indicators of OPEC Nations During 2013

Country	Population 2012 (Million)	GDP at market prices 2012 (Mn. $)	Per capita GDP 2012 (US $)	Petroleum Exports 2012 (Mn. $)	Total Exports 2012 (Mn. $)	Petroleum Exports as % of total Exports	Proven crude oil reserves 2012 (Bn.bbls)	Gas Reserves 2012 (Bn. CM)	Producing Oil wells 2012 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	37.8	196720	5204	48270	72780	66.3	12.20	4504	2,061	694	450.1
Angola	18.6	118720	6391	71950	71950	100.0	9.60	275	1,554	38	25.5
Ecuador	15.5	71630	4621	13370	23900	55.9	8.24	6	3,177	188	27.5
Iran	76.5	548900	7173	101470	133260	76.1	157.30	33780	2,119	1681	456.3
Iraq	34.2	219560	6419	94030	94310	99.7	140.30	3158	1,700	806	471.9
Kuwait	3.8	173420	45351	112930	118550	95.3	101.50	1784	1,831	936	660.9
Libya	6.4	81920	12777	60190	61420	98.0	48.47	1549	1910	380	40.0
Nigeria	167.7	257430	1535	94640	142520	66.4	37.14	5118	2,168	445	8.2
Qatar	1.8	192400	108458	116210	133720	86.9	25.24	25069	517	80	464.6
Saudi Arabia	29.2	727310	24911	336120	388370	86.5	265.85	8235	3,407	2107	862.1
U.A.E	8.4	383800	45726	118080	350120	33.7	97.80	6091	1,640	471	224.9
Venezuela	29.5	382420	12956	93570	97340	96.1	297.74	5563	14,959	1524	675.1
Total	**429.4**	**3354230**	7811	**1261180**	**1688240**	74.7	**1200.83**	**95132**	**37043**	**9350**	**4367.1**

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

Source : OPEC Annual Statistical Bulletin, 2013.

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 Nautical Mile	-	6076.12 Feet
	-	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	-	Approx. 16 Barrels.
Methane	-	Approx 1400 Cubic Metres of Natural Gas depending upon Methane Content

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

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

Volume per Metric Ton of Petroleum Products

Products	Kilolitre	Imperial Gallon	U.S. Gallon	Barrel
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*
2005	43.69	43.62	43.84	45.37	44.13	2005-06	44.27
2006	44.4	45.47	46.37	44.99	45.31	2006-07	42.25
2007	44.17	41.23	40.52	39.46	41.35	2007-08	40.26
2008	39.82	41.72	42.78	48.76	43.27	2008-09	45.99
2009	49.77	48.79	48.42	46.64	48.41	2009-10	47.44
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	54.45

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

