

सत्यमेव जयते

INDIAN PETROLEUM & NATURAL GAS STATISTICS

2014-15

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

Foreword

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

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

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New Delhi
September 2015

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Contents

Sl.No	Subject	Page No.
	Highlights in The Petroleum & Natural Gas Sector During 2014-15	1
I.	**General**	**3-16**
I.1	Scope & Coverage of Data Published	5
I.2	Performance of Petroleum & Natural Gas Sector-Some Key Macro-Economic Trends	6-10
I.3	Indian Economy-Selected Indicators	11
I.4	Trends in Indian Petroleum Industry at a Glance	12
I.5	International Petroleum Statistics	13
I.6	(a) Petroleum Energy in India (Calendar Year-wise)	14
	(b) Petroleum Energy in India (Financial Year-wise)	15
I.7	Oil and Gas Production Abroad	16
II	**Exploration-Crude Oil & Natural Gas**	**17-31**
II.1	Area-wise Development of Deep Drilling Rigs, Wells & Metreage Drilled	19
II.2	Exploratory & Development Drilling by Oil Companies	20
II.3	Status of Wells	21
II.4	State-wise Geological Surveys Achievements up to 31.03.2015	22
II.5	State-wise Achievements of Geophysical Field Parties in India since Inception up to 31.03.2015	23
II.6	Basin-wise / State-wise Achievements of Drilling since Inception upto 31.03.2015	24
II.7	State-wise/ Basin -wise Oil Fields in India as on 31.03.2015	25
II.8	State-wise/ Area-wise Balance Recoverable reserves of Crude Oil & Natural Gas	26
II.9	Company-wise Balance Recoverable Reserves of Crude Oil & Natural Gas	26
II.10	Production of Crude Oil and Natural Gas (Calendar Year-wise)	27
II.11	Production of Crude Oil and Natural Gas (Financial Year-wise)	28
II.12	State-wise Gross & Net Production of Natural Gas in India	29-30
II.13	State-wise Utilisation of Domestic Natural Gas in India	31
II.14	Sector-wise Consumption of Natural Gas	31
III.	**Refining, Transportation & Marketing**	**33-59**
III.1	Petroleum Refining Capacity in India	35
III.2	Refinery Crude Throughput and Production of Petroleum Products	36
III.3	Refinery-wise Crude Throughput and Production of Petroleum Products	37
III.4	Refinery-wise Production of Petroleum Products during 2014-15	38
III.5	(a) Production of Petroleum Products (Calendar Year-wise)	39
	(b) Production of Petroleum Products (Financial Year-wise)	39
III.6	Crude Oil, Natural Gas and Product Pipelines in India	40
III.7	Major Crude Oil Pipelines in India	41
III.8	Major Gas Pipelines in India	42
III.9	Major LPG & Petroleum Products Pipelines in India	43
III.10	Tonnage of Indian tankers fleet	44
III.11	Indian Tonnage as on 31.03.2015	45-46
III.12	Share of traffic of petroleum products in the total traffic handled at major ports	47-48
III.13	Movement of POL traffic on Railways	49
III.14	Rail freight rates in respect of petroleum products	49
III.15	Total Retail outlets in India	50
III.16	State-wise number of retail outlets, LDO/SKO dealers and LPG distributors as on 31.03.2015	51
III.17	State-wise and company-wise retail outlets as on 31.03.2015	52
III.18	State-wise and company-wise LPG domestic consumers as on 31.03.2015	53
III.19	State-wise and Company-wise LPG Distributors	54
III.20	State-wise and Company-wise SKO/LDO Dealerships	55
III.21	State-wise PDS SKO Kerosene allocated and Quantity Uplifted	56
III.22	LPG Marketing in India	57
III.23	CNG activities in India as on 31.03.2015	57
III.24	PNG Status as on 31.03.2015	58
III.25	Introduction to Green Fuels in India	59

Sl.No	Subject	Page No.
IV.	**Prices**	**61-73**
IV.1	Wholesale price indices of selected petroleum products	63
IV.2	Month & Year-wise average of International Crude Oil prices(Indian Basket)	64
IV.3	International prices of crude oil and major petroleum products	65
IV.4	Weighted average of crude oil prices	65
IV.5	Consumer and producer prices of natural gas	66
IV.6	Rates of Dealers' Commission for MS, HSD and LPG in India	66
IV.7	Subsidies provided under Budget of Government of India	67
IV.8	Subsidy Provided by the Government and Oil Companies on PDS SKO & Domestic LPG	68
IV.9	Under-Recoveries by Oil Marketing Companies on Sensitive Petroleum Products	69
IV.10	Under Recovery and its Burden Sharing	69
IV.11	Price build-up of selected petroleum-products in major cities as on 01.04.2015	70-72
IV.12	Trends in retail selling prices of selected petroleum products in metropolitan towns in India	73
V.	**Consumption**	**75-88**
V.1	(a) Product-wise consumption of petroleum products (Calendar Year-wise)	77
	(b) Product-wise consumption of petroleum products (Financial Year-wise)	78
	(c) Product-wise consumption of petroleum products by Public and Private Sector	79
V.2	Sector-wise consumption (end use) of selected petroleum products	80-84
V.3	Consumption of petroleum products and market share of oil companies in India	85
V.4	Deliveries made to international/coastal bunkers	85
V.5	State-wise consumption of major petroleum products during 2014-15	86
V.6	State-wise Per Capita Sales of Petroleum Products	87
V.7	Per Capita Sales of Selected Petroleum Products	87
V.8	Average Annual Compound Growth Rates of Consumption of Petroleum Products	88
V.9	Major End use of Petroleum Products	88
VI	**Trade**	**89-98**
VI.1	Import/Export of Crude Oil, LNG and Petroleum Products	91
VI.2	Import Availability ratios of Crude Oil and Petroleum Products	91
VI.3	Import/ Export of Crude Oil and Petroleum Products (Calendar Year-wise)	92
VI.4	Import/ Export of Crude Oil and Petroleum Products (in Quantity Terms)	93
VI.5	Import/ Export of Crude Oil and Petroleum Products (in Rs. Value Terms)	94
VI.6	Import / Export of Crude Oil and Petroleum Products (in USD Value Terms)	95
VI.7	Trends in India's overall Trade balance and Trade balance with OPEC Countries	96
VI.8	Import Dependency	97
VI.9	Annual Growth of Foreign Direct Investment Equity Inflows	98
VII.	**Taxes and Duties**	**99-106**
VII.1	Realization of Excise and Customs Duties from Crude Oil and Petroleum Products	101
VII.2	Royalty and Oil Development Cess Paid by Oil Companies on Production of Crude Oil and Natural Gas	102
VII.3	Sales tax rates applicable on crude oil, natural gas and petroleum products in different States	103-104
VII.4	Sales tax payments on crude oil, condensates, natural gas and petroleum products	105
VII.5	Central Excise and Customs Tariff as on 01.04.2015	106
VIII.	**Manpower**	**107-110**
VIII.1	Sector-wise Manpower employed in the Petroleum Industry in India	109
VIII.2	Category-wise Manpower employed in the Petroleum Industry in India	109
VIII.3	Category-wise manpower employed in various sectors of petroleum industry in India	110
IX.	**Energy**	**111-115**
IX.1	Gross Production of energy by various sources in India	113
IX.2	(a) Gross Domestic Product By Economic Activity (Constant Price 2004-05 & 2010-11)	114
	(b) Gross Domestic Product By Economic Activity (Current Prices)	115

Sl.No	Subject	Page No.
X.	**Plan Performance**	**117-126**
X.1	12th Five Year Plan Outlay & Actual Expenditure for P&NG Sector	119
X.2	Dividend paid/payable by PSUs under the Ministry of Petroleum and Natural Gas	120
X.3	Equity Capital of PSUs under the Ministry of Petroleum and Natural Gas	120
X.4	Profit earned by PSUs under the Ministry of Petroleum and Natural Gas	121
X.5	Performance of PSUs under the Ministry of Petroleum and Natural Gas during 2014-15	122
X.6	Estimates of Crude Oil Production in 12th Plan (2012-17)	123
X.7	Estimates for Natural Gas Production in 12th Plan (2012-17)	123
X.8	Estimated Total Gas Availability during 12th Plan (2012-17)	123
X.9	Oil and Natural Gas Production Target of OVL from Assets Abroad in 12th Plan	124
X.10	Estimated Refining Capacity in 12th Plan (2012-17)	125
X.11	Estimated Demand for Petroleum Products in 12th Plan (2012-17)	126
X.12	Estimated Production of Petroleum Products in 12th Plan (2012-17)	126
XI.	**International Petroleum Statistics**	**127-161**
XI.1	(a) World proved reserves of crude oil	29
	(b) World proved reserves of natural gas	130
XI.2	World crude oil production	131
XI.3	Crude oil production by OPEC member countries	132
XI.4	World production of natural gas	133
XI.5	World consumption of natural gas	134
XI.6	Productivity of producing wells in OPEC Member countries during 2014	135
XI.7	World oil refining capacity	136
XI.8	World refinery crude throughput	137
XI.9	Country-wise world oil consumption	138
XI.10	Product-wise regional consumption of main petroleum products during	139
XI.11	World oil production, consumption and relative deficit/surplus in each country/region.	140
XI.12	World crude oil & petroleum products imports and exports during 2014	140
XI.13	Exports of crude oil & refined petroleum products from OPEC	141
XI.14	World imports of natural gas by country	142
XI.15	World Imports of Petroleum Products by Country	143
XI.16	World crude oil exports by country	144
XI.17	World exports of refined petroleum products by country	145
XI.18	International petroleum Crude price index	146
XI.19	Spot Prices of Key OPEC Crude	147
XI.20	Crude oil spot prices in US$ per barrel	148
XI.21	Petroleum products spot prices in US$ per barrel	148
XI.22	Natural gas prices for Industry and Household use	149
XI.23	Crude oil import costs in US$ per barrel	150
XI.24	Spot prices of key OPEC crude oils	151
XI.25	Spot prices of major petroleum products in key trading centers of the world	152
XI.26	World survey of selected petroleum products prices in 2014	153
XI.27	Airfield prices of Jet A-1 fuel at major international airports as on 1st April of each year	154
XI.28	Tanker fleet development in OPEC members	155
XI.29	Oil Trade Movements	156
XI.30	World primary energy consumption by fuel during 2014	157
XI.31	Per capita primary energy consumption-some international comparisons during 2014	158
XI.32	Per Capita Consumption of Main Petroleum Products- Some International Comparisons during 2014	159
XI.33	Trends in world primary energy consumption	159
XI.34	Primary energy consumption in selected countries of the world	160
XI.35	Economic indicators of OPEC nations during 2014	161
	Appendix	**163-178**

HIGHLIGHTS ON PETROLEUM & NATURAL GAS SECTOR DURING 2014-15

India has total reserves of 763.476 MMT of Crude Oil and 1488.73 BCM of Natural Gas as on 01.04.2015. (Table-II.8)

The total number of exploratory and development wells and metreage drilled in onshore and offshore areas during 2014-15 was 637 and 1352 thousand meters respectively. (Table-II.2)

Crude Oil production during 2014-15 is 37.461 MMT which is 0.87% lower than 37.788 MMT produced during 2013-14. (Table-II.11)

Gross Production of Natural Gas during 2014-15 is 33.656 BCM which is 4.94% lower than the production of 35.407 BCM during 2013-14. (Table-II.11)

The flaring of Natural Gas in 2014-15 is 2.59% of gross production which is 2.17% higher than that in 2013-14. (Table-II.12)

The refining capacity stood at 215.066 MMTPA as on 01.04.2015. By the end of 12th Five Year Plan, refinery capacity is expected to reach 307.366 MMTPA. (Table-X.10)

The Crude processed during 2014-15 at 223.242 MMT is 0.33% higher than 222.497 MMT crude processed in 2013-14 and the pro-rata capacity utilization in 2014-15 was 103.80% as compared to 103.46% in 2013-14.(Table-III.3)

The production of petroleum products during 2014-15 was 221.059 MMT registering an increase of 0.17% over last year's production at 220.756 MMT. (Table-III.5.b)

The country exported 63.928 MMT of petroleum products against the imports of 20.423 MMT during 2014-15. (Table-VI.1)

The sales/consumption of petroleum products during 2014-48 was 164.987 MMT (including sales through private imports) which is 4.15% higher than the sales of 158.407 MMT during 2013-14. (Table-V.1.b)

The total number of retail outlets of Oil Marketing Companies as on 31.03.2015 has gone up to 53419 from 51868 on 31.03.2013. (Table-III.17)

The total number of LPG consumers of Public Sector Oil Marketing Companies as on 31.03.2015 were 18,19,02,266 against 16,62,58,759 as on 31.03.2014. (Table-III.18)

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

1.1 Introduction:

The Indian economy is at a critical stage of development. During 2014-15, the growth rate of Gross Domestic Product (GDP) at constant prices is estimated to have increased by 7.3%, with growth in 'Manufacturing' at 7.1% and 'Mining and quarrying' at 2.4%. The revival in growth of the industrial sector and softening of international prices of crude oil led to increase in demand for petroleum products by 4.15% during April-March, 2014-15 over the same period last year. Given the limited domestic availability of crude oil and natural gas the country is compelled to import over 75% of its domestic requirement.

1.2 Crude Oil and Natural Gas Production:

The crude oil production for the year 2014-15 is at 37.461 Million Metric Tonnes (MMT) as against production of 37.788 MMT in 2013-14, showing a decrease of about 0.87%. Apart from natural decline in the old and ageing fields, production of crude oil was affected due to less production from RJ-ON-90/1 related to operational problems in July, 2014. Rajahmundry and Cauvery assets' production was affected due to closure of wells owing to the GAIL pipeline incident. In Neelam–Heera asset there was reduced crude oil production due to clamping of sub-sea lines. Prolonged bundhs and blockages in Assam also affected production from North Eastern region.

For the year 2014-15, production of natural gas is 33.656 Billion Cubic Meters (BCM) which is 4.94 % lower than production of 35.407 BCM in 2013-14. This was mainly due to lower production in Bassein & Satellite fields, underperformance of 6 newly drilled wells in M&S Tapti, seizure of 1 well in KG-D6 and closure of non-associated gas wells of Ravva during October, 2014 due to GAIL pipeline incident near Tatipaka.

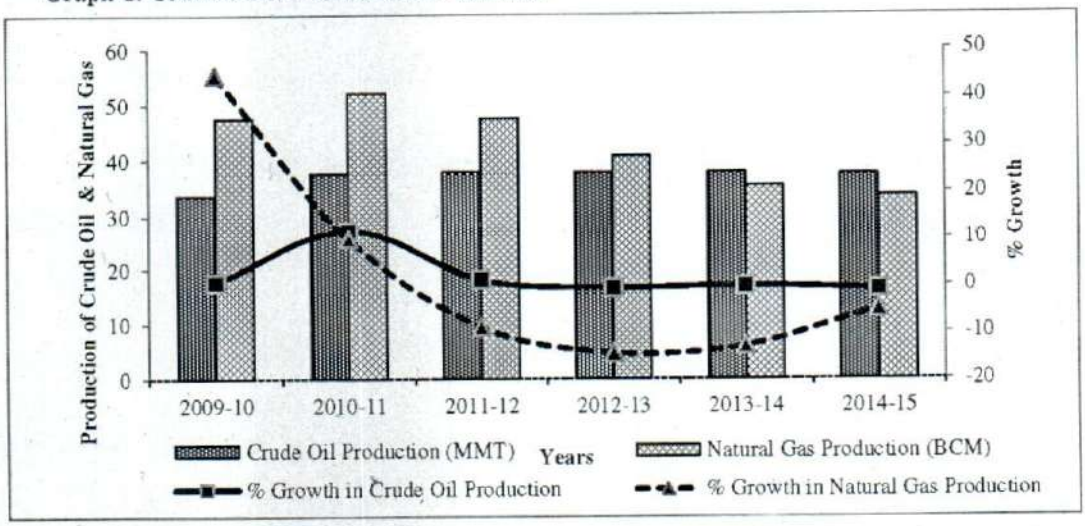
The trends in the production of crude oil and natural gas for the year 2009-10 to 2014-15 have been depicted below:

Table-1: Crude Oil and Natural Gas Production

Year	Crude Oil Production (MMT)	% Growth in Crude Oil Production	Natural Gas Production (BCM)	% Growth in Natural Gas Production
2009-10	33.690	0.54	47.496	44.61
2010-11	37.684	11.85	52.219	9.94
2011-12	38.090	1.08	47.559	-8.92
2012-13	37.862	-0.60	40.679	-14.47
2013-14	37.788	-0.19	35.407	-12.96
2014-15*	37.461	-0.87	33.656	-4.94

**: Provisional*

Graph-1: Crude Oil & Natural Gas Production



1.3 Refining Capacity &Refinery Crude Throughput:

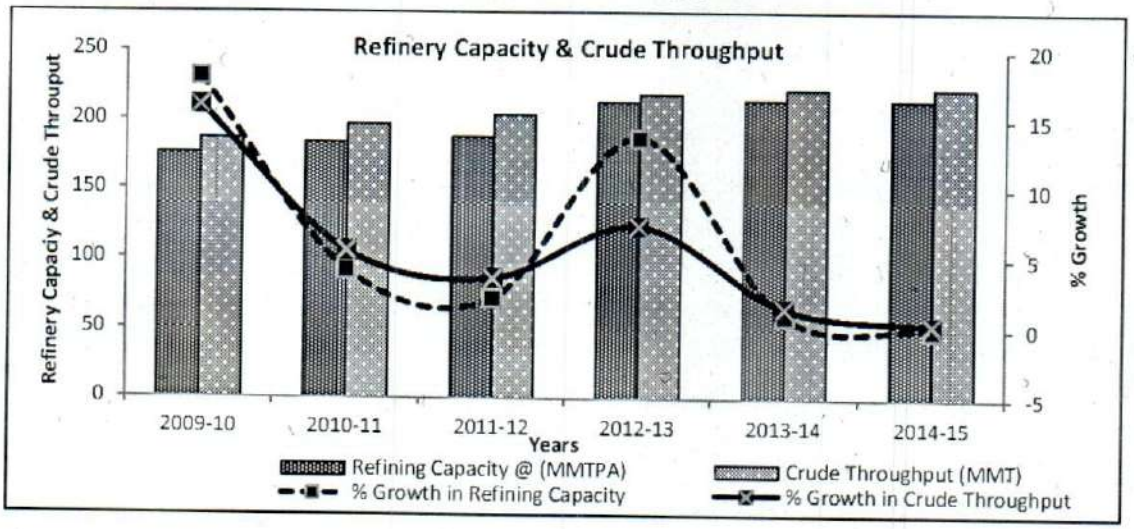
There has been considerable increase in refining capacity in the country over the years, although there was no capacity expansion during 2014-15. The refining capacity stood at 215.066 MMTPA as on 01.04.2015. By the end of 12th Five Year Plan, refinery capacity is expected to reach 307.366 MMTPA. Refinery Crude Throughput (Crude Oil Processed) for the year 2014-15 is 223.242 MMT as against 222.497 MMT in 2013-14, showing a marginal increase of about 0.33%. However, shutdown of HMEL's Bhatinda (GGS refinery) during June-September, 2014 owing to VGO Fire Incident in June, 2014 affected crude processing by the refinery during this period. The trend in Refining Capacity and Crude throughput during 2009-10 to 2014-15 are depicted below.

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

Year	Refining Capacity @ (MMTPA)	% Growth in Refining Capacity	Crude Throughput (MMT)	% Growth in Crude Throughput
2009-10	175.956	18.12	189.732	18.01
2010-11	183.386	4.22	196.989	3.83
2011-12	187.386	2.18	204.121	3.62
2012-13	213.066	13.70	219.212	7.39
2013-14	215.066	0.94	222.497	1.50
2014-15*	215.066	0.00	223.242	0.33

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

Graph-2: Refinery Capacity and Refinery Crude Throughput



1.4 Production and Consumption of Petroleum Products

The production of petroleum products is at 221.136 MMT in year 2014-15 as against 220.756 MMT achieved in 2013-14, showing a marginal increase of about 0.17%. However, production was affected due to planned outages in IOCL-Panipat, Koyali & Bongaigaon refineries during April-July, 2014.

During the year 2014-15, the consumption of petroleum products in India was164.987 MMT with a growth of 4.15% as compared to consumption of 158.407 MMT during 2013-14.

Year-wise production and consumption of petroleum products since 2009-10 to 2014-15 are depicted below:

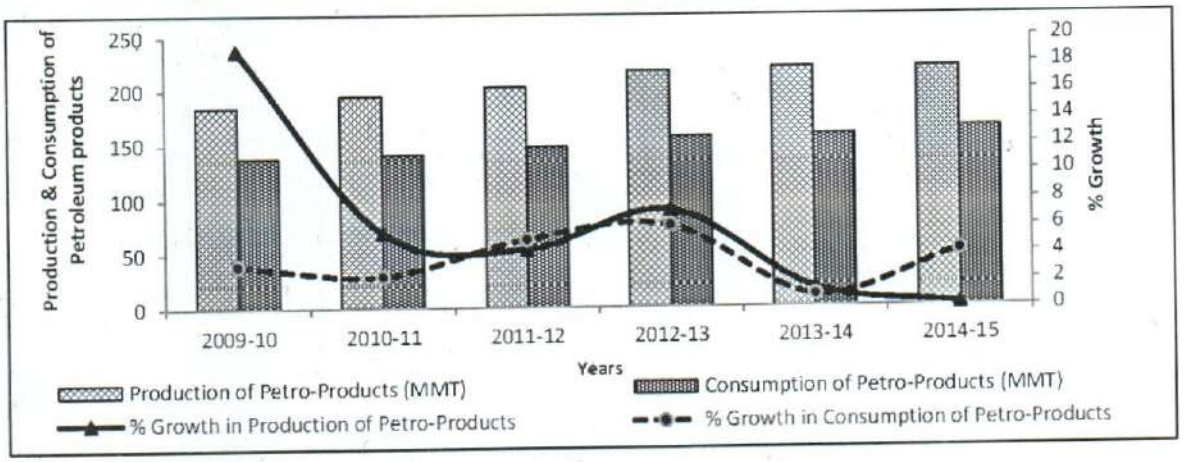
Table-3: Production and Consumption of Petroleum Products

Year	Production of Petro-Products (MMT)	% Growth in Production of Petro-Products	Consumption of Petro-Products (MMT)	% Growth in Consumption of Petro-Products
2009-10	184.610	18.99	137.808	3.15
2010-11	194.821	5.53	141.040	2.35
2011-12	203.202	4.30	148.132	5.03
2012-13	217.736	7.15	157.057	6.02
2013-14	220.756	1.39	158.407	0.86
2014-15*	221.136	0.17	164.987	4.15

*: *Provisional*

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

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



1.5 Import of Crude Oil:

Import of Crude Oil during 2014-15 was 189.432 MMT valued at Rs. 6,87,350 crore which marked a decrease of 0.10% in quantity terms and 20.53% decrease in value terms over the same period of last year. The decline in value terms is related to reduced crude oil prices by around 50% from June'14 to Dec'14. During the year 2013-14 the import of crude oil was 189.238 MMT valued at Rs. 8,64,875 crore.

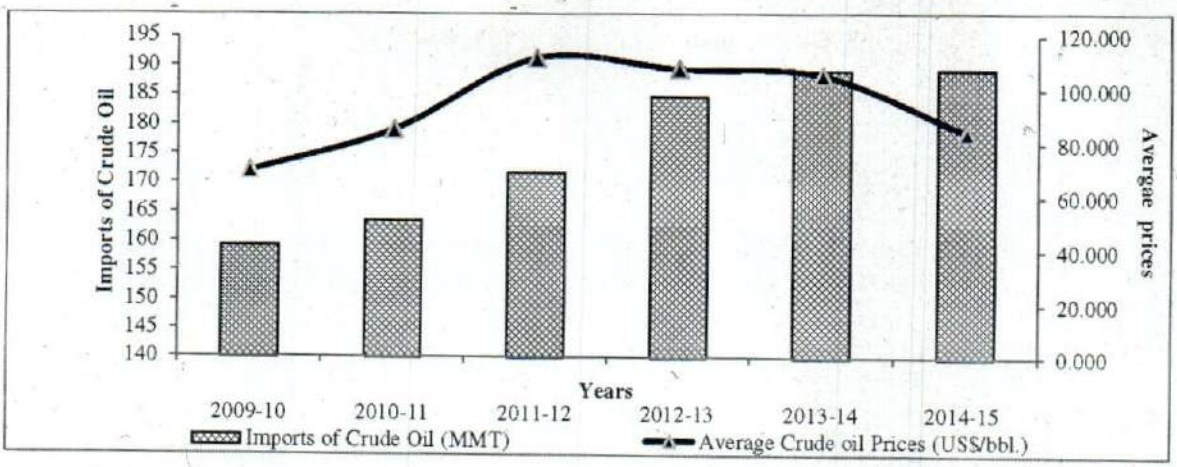
The average international crude oil price (Indian Basket) was US$ 84.20/bbl. during April-March, 2014-15 as compared to US$ 105.52/bbl in the same period of 2013-14, i.e. lower by 20.20% as compared to the same period last year. During the last 6 months there is continuous declining trend in the price of crude oil in the international market. The price of Indian basket crude oil which was at $ 111.84/bbl on 19thJune 2014, has continuously decreased thereafter to US$ 53.64/bbl on 31st March, 2015. The trend in growth of crude oil imports and crude oil international (Indian Basket) prices is shown in Table-4 & Graph- 4.

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

Year	Imports of Crude Oil (MMT)	% Growth in Imports of Crude Oil	Average Crude oil Prices (US$/bbl.)	% Growth in Average Crude oil Prices
2009-10	159.259	19.95	69.760	-16.53
2010-11	163.595	2.72	85.090	21.98
2011-12	171.729	4.97	111.890	31.50
2012-13	184.795	7.61	107.970	-3.50
2013-14	189.238	2.40	105.520	-2.27
2014-15*	189.432	0.10	84.200	-20.20

*: *Imports valve is Provisional and Crude price is on Average basis*

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



1.6 Imports & Exports of Petroleum Products:

During April-March, 2014-15 imports of petroleum products were 20.423 MMT valued at Rs. 72,778 crore which shows an increase of 22.16% in quantity terms and 2.45% decrease in value terms against the same period of previous year. The quantity of petroleum products imported during 2013-14 was 16.718 MMT valued at Rs. 74,605 crore.

During April-March, 2014-15 the exports of petroleum products were 63.928 MMT valued at Rs. 2,88,563 crore which shows a decrease of 5.80% in quantity terms and 21.65% decrease in value terms against the exports of 67.864 MMT valued at Rs. 3,68,279 crore for the same period of last year.

During April-March, 2014-15 the import of LNG is 15.470 MMT valued at Rs. 63,110 crore which marked an increase of 18.71% in quantity terms and 18.39% increase in value terms against imports of 13.032 MMT of LNG, valued at Rs. 53,307 crore was imported for the same period of previous year

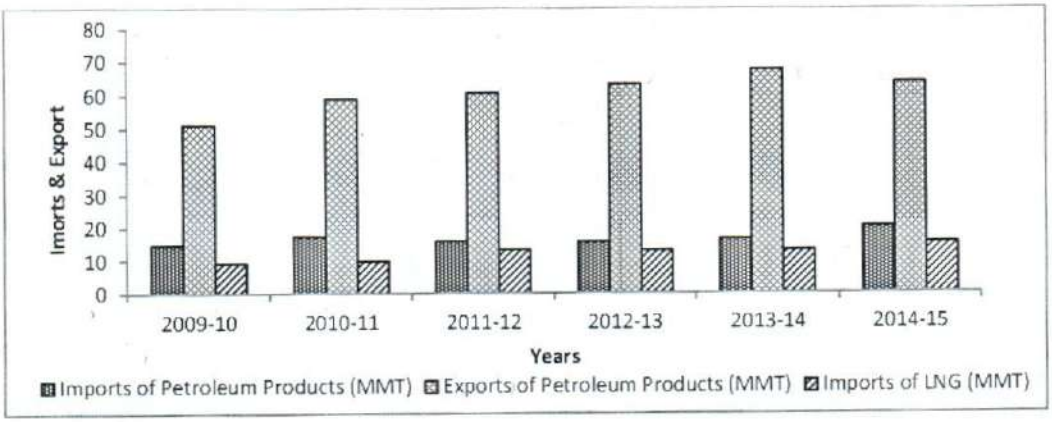
The trends in quantity of petroleum products and LNG imports & exports are depicted below in Table-5 & Graph-5.

Table-5: Imports & Exports of Petroleum Products

Year	Imports of Petroleum Products (MMT)	% Growth in Imports of Petroleum Products	Exports of Petroleum Products (MMT)	% Growth in Export of Petroleum Products	Imports of LNG (MMT)	% Growth in Imports of LNG
2009-10	14.665	-21.10	51.155	31.35	9.148	13.50
2010-11	17.379	18.51	59.077	15.49	9.931	8.56
2011-12	15.849	-8.80	60.837	2.98	13.214	33.06
2012-13	15.774	-0.48	63.408	4.23	13.136	-0.60
2013-14	16.718	5.99	67.864	7.03	13.032	-0.79
2014-15*	20.423	22.16	63.928	-5.80	15.470	18.71

**: Provisional*

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



1.7 Foreign Direct Investment Inflows:

In order to attract Foreign Direct Investment (FDI) in the sector, the FDI policy has been further liberalized. FDI for petroleum refining by CPSEs has been allowed with 49% foreign equity under the automatic route instead of approval through Foreign Investment Promotion Board. Year-wise FDI inflows under Petroleum & Gas sector is given in Table-7 below. It may be observed that inflow of FDI in petroleum and natural gas has varied considerably over the years that could at least be partly due to the bulkiness of investment in the sector. The highest FDI inflow was received in 2011-12 at Rs. 9955.17 crore contributing almost 6% of total FDI inflow in the economy. During the year 2014-15, FDI inflow was received Rs. 6473.22 crore contributing almost 3.42% of total FDI inflow in the economy.

Table -7: Year wise FDI inflows under Petroleum & Gas Sector

YEARS	FDI INFLOWS				ANNUAL GROWTH (%)			
	All Sector		P&NG Sector		All Sector		P&NG Sector	
	Million		Million		Million		Million	
	Rs.	US$	Rs.	US$	Rs.	US$	Rs.	US$
2009-10	1231196.45	25834.41	12969.02	265.53	-13.80	-17.71	-20.60	-23.98
2010-11	973203.93	21383.05	25431.41	556.43	-20.95	-17.23	96.09	109.55
2011-12	1651455.31	35120.80	99551.66	2029.98	69.69	64.25	291.45	264.82
2012-13	1219067.30	22423.58	11925.66	214.80	-26.18	-36.15	-88.02	-89.42
2013-14	1475177.76	24299.33	6783.90	112.23	21.01	8.37	-43.12	-47.75
2014-15*	1891071.26	30930.50	6473.20	1075.42	28.19	27.29	854.20	858.23

**:Provisional*

1.9 Plan Outlay for Ministry of Petroleum & Natural Gas:

The actual Plan expenditure in 2014-15 was Rs. 69828.81 crore against Budget Estimate (RE) of Rs. 74991.32 crore. This comprised Rs. 2402.00 crore as GBS and Rs. 72589.32 crore of Plan investment through I&EBR of oil & gas CPSEs in year 2014-15. Actual expenditure of the Ministry of Petroleum & Natural Gas in 2014-15 in details is given in the Table X.1.

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1.3 Indian Economy -Selected Indicators

Indicator	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1. Geographical Area (M.Sq.Km.)	3.29	3.29	3.29	3.29	3.29	3.29	3.29
2. Population (Million)	1154	1170	1186	1202	1213	1229	1229
3. Gross Domestic Product :							
(i) At current prices (₹. Crore)	-	-	-	8832012	9988540	11345056	12541208
(ii) At constant prices (₹. Crore)	-	-	-	8832012	9280803	9921106	10643983
4. Net National Income :							
(i) At current prices (₹. Crore)	-	-	-	7846531	8841733	10056523	11117615
(ii) At constant prices (₹. Crore)	-	-	-	7846531	8193427	8751834	9388992
5. Per Capita NNI (Population in Million) :							
(i) At current prices (₹.)	-	-	-	64316	71593	80388	87748
(ii) At constant prices (₹.)	-	-	-	64316	66344	69959	74104
6. Foreign Exchange Reserves :							
(i) Gold (₹. Crore)	48793	81188	102572	138250	139737	129616	119160
(ii) SDR (₹. Crore)	6	22596	20401	22866	23538	26826	24940
(iii) Foreign Currency Assets (₹. Crore)	1230066	1149650	1224883	1330511	1412631	1660914	1985460
7. Foreign Trade :							
(i) Import (₹. Crore)	1374436	1363704	1683467	2345463	2669162	2715434	2733935
(ii) Export (₹. Crore)	840755	845534	1142922	1465959	1634319	1905011	1891645
(iii) Balance of Trade (₹. Crore)	-533681	-518170	-540545	-879504	-1034843	-810423	-842290
8. Index of Production :							
(i) Agricultural (2007-08=100)	107.0	102.7	121.0	125.2	124.2	128.9	N.A.
(ii) Industrial (2004-05=100)	145.2	152.9	165.5	170.3	172.2	172.0	176.9
9. Wholesale Price Index (2004-05=100)	125.0	130.8	143.3	156.1	167.6	177.6	181.2
10. Consumer Price Index:							
(i) Industrial Workers (2001=100)	144.8	134.4	165.6	194.8	215.2	236.0	250.8
(ii) Agricultural Labourers (1986-87=100)	450.4	513.1	516.9	610.7	671.9	749.8	799.5
(iii) Rural Labourers (1986-87=100)	450.6	512.6	516.5	611.0	673.3	750.5	802.2
11 Energy Generation (Gross) :							
Coal (MMT)	492.76	532.04	532.70	539.95	556.40	565.77	612.60
Lignite (MMT)	32.42	34.07	37.73	42.33	46.45	44.27	48.25
Natural Gas (BCM)	32.85	47.50	52.22	47.56	40.68	35.41	33.66
Crude Oil (MMT)	33.51	33.69	37.68	38.09	37.86	37.79	37.46
Petroleum Products	155.15	184.61	194.82	203.20	217.74	220.76	221.14
12. Electricity Generated (Gross) (B. KWH)							
(i) Total Utilities	741.20	799.80	884.23	973.42	964.49	1021.17	1105.45
Hydel	110.10	104.10	114.42	130.51	113.72	134.85	129.24
Thermal	616.20	677.10	704.30	759.40	760.45	792.48	878.32
Nuclear	14.90	18.60	26.27	32.29	32.87	34.23	36.10
R.E.S.	-	-	39.24	51.23	57.45	59.62	61.78
(ii) Non-utilities	99.70	106.10	120.92	128.20	144.01	156.84	166.43
Total Electricity	840.90	905.90	1005.14	1101.62	1108.50	1178.01	1271.87
13. POL Traffic by Rail (MMT)	38.08	38.88	39.29	39.77	40.61	41.16	42.73

Note: GDP & NNI at constant (2011-12) prices. Figures prior to 2011-12 are not available at 2011-12 prices.

N.A.: Not Available.

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

I.4 Trends in Indian Petroleum Industry at a Glance

Item	Unit	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15*
(1)	*(2)*	*(3)*	*(4)*	*(5)*	*(6)*	*(7)*	*(8)*	*(9)*
1. Production :								
(i) Crude Oil	MMT	33.51	33.69	37.68	38.09	37.86	37.79	37.46
(ii) Natural Gas	BCM	32.84	47.50	52.22	47.56	40.68	35.41	33.66
(iii) Petroleum Products	MMT	155.15	184.61	194.82	203.20	217.74	220.76	221.14
2. Consumption								
(i) Crude Oil (in terms of refinery crude processed)	MMT	160.77	186.55	196.99	204.12	219.21	222.50	223.24
(ii) Natural Gas ^^	BCM	32.99	46.51	51.25	60.68	53.91	48.99	46.95
(iii) Petroleum Products	MMT	133.60	137.81	141.04	148.13	157.06	158.41	164.99
3. Reserves (Balance Recoverable) **								
(i) Crude Oil	MMT	773.34	774.66	757.40	759.59	758.44	762.73	763.48
(ii) Natural Gas	BCM	1115.26	1148.54	1278.06	1330.24	1354.76	1427.15	1488.47
3. Imports & Exports								
(i) Gross Imports :								
(a) Qty : Crude Oil	MMT	132.78	159.26	163.60	171.73	184.80	189.24	189.43
LNG	MMT	8.06	9.15	9.93	13.21	13.14	13.03	15.47
Pol. Products	MMT	18.59	14.67	17.38	15.85	15.77	16.72	20.42
Total (a)	MMT	159.42	183.07	190.91	200.79	213.70	218.99	225.32
(b) Value: Crude Oil	₹. Billion	3483.04	3752.77	4552.76	6722.20	7846.52	8648.75	6873.50
LNG	₹. Billion	95.48	106.95	143.62	317.18	417.31	533.07	631.10
Pol. Products	₹. Billion	611.56	336.87	559.98	680.91	683.63	746.05	727.78
Total (b)	₹. Billion	4190.08	4196.59	5256.37	7720.29	8947.46	9927.87	8232.38
(ii) Exports :								
(a) Qty : Pol. Products	MMT	38.94	51.15	59.08	60.84	63.41	67.86	63.93
(b) Value: Pol. Products	₹. Billion	1224.75	1446.87	1968.61	2846.43	3200.90	3682.79	2885.63
(iii) Net Imports :								
(a) Qty : Crude Oil	MMT	132.78	159.26	163.60	171.73	184.80	189.24	189.43
Pol. Products	MMT	-20.36	-36.49	-41.70	-44.99	-47.63	-51.15	-43.51
Total (a)	MMT	120.48	131.92	131.83	139.96	150.30	151.12	161.40
(b) Value: Crude Oil	₹. Billion	3483.04	3752.77	4552.76	6722.20	7846.52	8648.75	6873.50
Pol. Products	₹. Billion	-613.19	-1110.00	-1408.62	-2165.52	-2517.27	-2936.74	-2157.85
Total (b)	₹. Billion	2869.85	2642.77	3144.14	4556.68	5329.26	5712.01	4715.65
(iv) Unit Value of Crude oil imports(gross)	/MT	26232.65	23563.94	27829.48	39144.23	42460.69	45702.97	36284.81
4. India's Total Imports	₹. Billion	13744.36	13637.04	16834.67	23454.63	26691.62	27154.34	27339.35
5. India's Total Exports	₹. Billion	8407.55	8455.34	11429.22	14659.59	16343.19	19050.11	18916.45
6. Petroleum Imports as % of India's total Imports	%	30.49	30.77	31.22	32.92	33.52	36.56	30.11
7. Petroleum Exports as % of India's total Exports	%	14.57	17.11	17.22	19.42	19.59	19.33	15.25
8. Contribution of Oil Sector to Centre/State Resources								
(i) Royalty from crude oil	₹. Crore	7155	6155	8958	15921	18083	20113	18293
(ii) Royalty from gas	₹. Crore	1624	1800	2355	3294	3880	3483	3873
(iii)Oil Development Cess	₹. Crore	6886	7096	6783	8119	15784	16072	16159
(iv) Excise & Custom duties^	₹. Crore	70557	71767	102828	95229	98603	104163	91993
(v) Sales Tax	₹. Crore	62962	63949	80709	100375	111438	127957	135623
(vi) Dividend	₹. Crore	9860	13811	13329	13042	14064	14994	14653

* :provisional **: As on 1st April of initial year ^^:Includes of Imports of LNG for the year 2011-12 and onwards.

I.5 International Petroleum Statistics

Item	Unit	2008	2009	2010	2011	2012	2013	2014 *
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1. World Reserves :								
Oil & Gas at year end								
(i) Crude Oil	Tonne	170.8	181.7	221.3	234.3	235.8	238.2	239.8
of which OPEC	"	129.8	145.3	159.2	168.4	169.9	170.2	170.5
(ii)Natural Gas	Tr.Cu.ft.	6534.0	6621.0	6925.2	7360.9	6614.1	6557.8	6606.4
of which OPEC	"	3295.0	3335.0	3312.5	3333.3	3360.1	3372.174	3375.549
2. World Prod. of Oil & Gas								
(i) Crude Oil	Mn. Tonne	1991.6	3885.8	1975.4	4008.1	4116.4	4126.6	4220.6
of which OPEC	"	1746.0	1622.6	1667.0	1705.3	1779.0	1734.4	1729.6
(ii)Natural Gas Net	Bn.Cu.Mtr.	3073.4	2989.4	3202.6	3315.7	3380.2	3408.8	3460.6
of which OPEC	"	572.3	580.7	580.4	618.6	657.0	0.0	0.0
3. World Oil Refinery								
(i) Refinery capacity at year end	Mn. Tonne/ Year	4423.9	4496.7	4543.0	4565.4	4623.6	4725.579	4790.955
(ii)Crude throughput	"	3683.2	3597.6	3700.7	3715.4	3751.0	3761.818	3813.99
4. World Oil Consumption								
(i) World Total	Mn. Tonne	3999.0	3922.9	4041.8	4085.4	4133.2	4179.1	4211.1
(ii)Main consuming areas!	"	2296.4	2244.3	2348.3	2380.2	2429.0	2458.1	2489.1
(iii)Consumption in main areas as % of world	%	57.4	57.2	58.1	58.3	58.8	58.8	59.1
5. World Imports/Exports								
(i) Crude Oil	Mn.Tonne	1970.0	1892.5	1875.8	1894.7	1927.3	1878.5	1876.4
(ii)Pol. Products	"	728.0	714.0	757.7	790.7	801.8	897.3	911.5
Total	"	2698.0	2606.5	2633.5	2685.4	2729.1	2775.8	2787.9
6. Export of Crude Oil/ Pol. from OPEC								
(i) Crude Oil	"	1196.4	1110.8	1150.7	1168.0	1258.7	1177.2	1127.4
(ii)Pol. Products	"	209.6	201.3	181.3	211.6	217.5	230.9	223.9
Total	"	1406.1	1312.1	1331.9	1379.6	1476.2	1408.0	1351.3
7. World Primary Energy Consumption	Mn. Tonne Oil Eqv.							
(i) Oil	"	3999.0	3922.9	4041.8	4085.4	4133.2	4185.1	4211
(ii) Natural Gas	"	2717.7	2655.7	2864.1	2914.2	2986.3	3020.4	3065.5
(iii)Coal	"	3256.3	3238.7	3464.0	3628.8	3723.7	3826.7	3881.8
(iv) Hydro-Electric	"	727.6	737.7	782.1	794.7	833.6	855.8	878.9
(v) Nuclear Energy	"	619.0	614.1	626.4	600.4	559.9	563.2	574
(vi) Renewables	"	123.2	142.0	168.6	205.6	240.8	279.3	316.8
Total	"	**11442.8**	**11311.1**	**11947.0**	**12229.0**	**12477.5**	**12730.5**	**12928.0**

@ : Angola & Ecuador is not included. * :provisional

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

Source : (i) BP Statistical Review of World Energy , June-2015 (ii) OPEC Annual Statistical Bulletin.

1.6(a) Petroleum Energy in India
(Calendar Year-wise)

Products	2008	2009	2010	2011	2012	2013	2014*
(1)	*(2)*	*(3)*	*(4)*	*(5)*	*(6)*	*(7)*	*(8)*
Availability							
In Original Units (Million Tonnes)							
Kerosene	9.58	9.44	9.20	8.61	7.98	7.37	7.40
ATF	4.78	4.59	4.95	5.45	5.37	5.48	5.90
Diesel	52.49	57.60	60.66	63.10	69.27	67.53	67.77
Fuel Oils	12.50	10.94	14.70	12.41	10.32	8.83	9.68
Others^	32.68	34.72	37.66	43.06	45.69	45.72	47.73
Total	**112.03**	**117.30**	**127.16**	**132.64**	**138.63**	**134.93**	138.47
In Million Tonnes of Coal Equivalent Unit @							
Kerosene	19.16	18.88	18.40	17.22	15.96	14.74	14.80
ATF	9.56	9.18	9.90	10.90	10.74	10.96	11.80
Diesel	104.98	115.20	121.32	126.20	138.54	135.06	135.54
Fuel Oils	25.00	21.88	29.40	24.82	20.64	17.66	19.36
Others^	65.36	69.44	75.32	86.12	91.38	91.44	95.46
Total	**224.06**	**234.58**	**254.34**	**265.26**	**277.26**	**269.86**	**276.96**
In Million Tonnes of Coal Replacement Unit @							
Kerosene	76.64	75.52	73.60	68.88	63.84	58.96	59.20
ATF	35.85	34.43	37.13	40.88	40.28	41.10	44.25
Diesel	472.41	518.40	545.94	567.90	623.43	607.77	609.93
Fuel Oils	25.00	21.88	29.40	24.82	20.64	17.66	19.36
Others^	124.74	124.74	124.74	124.74	126.37	126.37	126.37
Total	**734.64**	**774.97**	**810.81**	**827.22**	**874.56**	**851.86**	**859.11**
Consumption #							
In Original Units (Million Tonnes)							
Kerosene	9.31	9.35	9.00	8.43	7.65	7.25	7.13
ATF	4.49	4.59	4.82	5.32	5.14	5.26	5.59
Diesel	51.41	54.11	58.05	63.50	68.58	68.88	69.38
Fuel Oils	11.18	10.90	9.81	8.47	7.00	5.34	5.91
Others^	34.71	38.04	42.96	46.28	48.70	49.56	53.41
Total	**111.11**	**117.00**	**124.64**	**132.01**	**137.07**	**136.28**	**141.41**
In Million Tonnes of Coal Equivalent Unit @							
Kerosene	18.62	18.70	18.00	16.87	15.31	14.50	14.25
ATF	8.98	9.18	9.64	10.65	10.27	10.52	11.18
Diesel	102.82	108.23	116.09	127.01	137.16	137.76	138.76
Fuel Oils	22.36	21.81	19.62	16.95	14.00	10.67	11.82
Others^	69.43	76.08	85.92	92.55	97.40	99.11	106.81
Total	**222.21**	**233.99**	**249.27**	**264.02**	**274.15**	**272.56**	**282.82**
In Million Tonnes of Coal Replacement Unit @							
Kerosene	74.48	74.80	72.00	67.47	61.24	58.00	57.02
ATF	33.68	34.43	36.16	39.93	38.51	39.44	41.91
Diesel	462.69	487.02	522.42	571.54	617.23	619.93	624.40
Fuel Oils	22.36	21.81	19.62	16.95	14.00	10.67	11.82
Others^	128.94	128.94	128.94	128.94	128.94	128.94	128.94
Total	**722.15**	**746.99**	**779.14**	**824.83**	**859.93**	**856.98**	**864.10**

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

@ : Based on conversion factors adopted by FPC, 19(#) : Includes Petroleum Products used for power generation.

1.6(b) Petroleum Energy in India
(Financial Year-wise)

Products	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
			Availability				
In Original Units (Million Tonnes)							
Kerosene	9.57	9.48	9.05	8.39	7.74	7.40	7.62
ATF	4.37	4.71	5.09	5.50	5.42	5.48	5.41
Diesel	45.29	46.29	47.29	63.95	69.66	67.77	69.67
Fuel Oils	13.20	14.09	14.71	11.74	10.20	8.53	8.49
Others^	32.15	38.41	42.02	45.77	47.87	49.54	51.81
Total	**104.59**	**112.98**	**118.17**	**135.36**	**140.89**	**138.72**	**143.00**
In Million Tonnes of Coal Equivalent Unit @							
Kerosene	19.14	18.96	18.10	16.78	15.48	14.80	15.24
ATF	8.74	9.42	10.18	11.00	10.84	10.96	10.82
Diesel	90.58	92.58	94.58	127.90	139.32	135.54	139.34
Fuel Oils	26.40	28.18	29.42	23.48	20.40	17.06	16.98
Others^	64.30	76.82	84.04	91.54	95.74	99.08	103.62
Total	**209.16**	**225.96**	**236.32**	**270.70**	**281.78**	**277.44**	**286.00**
In Million Tonnes of Coal Replacement Unit @							
Kerosene	76.56	75.84	72.40	67.12	61.92	59.20	60.96
ATF	32.78	35.33	38.18	41.25	40.65	41.10	40.58
Diesel	407.61	416.61	425.61	575.55	626.94	609.93	627.03
Fuel Oils	26.40	28.18	29.42	23.48	20.40	17.06	16.98
Others^	124.74	124.74	124.74	124.74	124.74	124.74	124.74
Total	**668.09**	**680.70**	**690.35**	**832.14**	**874.65**	**852.03**	**870.29**
			Consumption#				
In Original Units (Million Tonnes)							
Kerosene	9.30	9.30	8.93	8.23	7.50	7.16	7.09
ATF	4.42	4.63	5.08	5.54	5.27	5.50	5.58
Diesel	52.26	56.78	60.53	64.75	69.48	68.75	69.77
Fuel Oils	12.59	11.59	10.79	9.31	7.66	6.24	6.02
Others^	35.51	37.56	44.40	47.64	49.69	51.29	54.76
Total	**114.08**	**119.86**	**129.72**	**135.46**	**139.60**	**138.94**	**143.21**
In Million Tonnes of Coal Equivalent Unit @							
Kerosene	18.60	18.60	17.86	16.46	15.00	14.33	14.17
ATF	8.84	9.26	10.16	11.07	10.54	11.01	11.16
Diesel	104.52	113.56	121.05	129.50	138.96	137.50	139.54
Fuel Oils	25.18	23.18	21.58	18.61	15.31	12.47	12.03
Others^	71.03	75.12	88.79	95.27	99.38	102.58	109.52
Total	**228.17**	**239.72**	**259.44**	**270.92**	**279.20**	**277.89**	**286.43**
In Million Tonnes of Coal Replacement Unit @							
Kerosene	74.40	74.40	71.42	65.83	60.01	57.32	56.69
ATF	33.15	34.73	38.09	41.52	39.53	41.28	41.84
Diesel	470.34	511.02	544.73	582.75	625.31	618.75	627.92
Fuel Oils	25.18	23.18	21.58	18.61	15.31	12.47	12.03
Others^	132.95	132.95	132.95	132.95	132.95	132.95	132.95
Total	**736.02**	**776.27**	**808.77**	**841.66**	**873.11**	**862.77**	**871.43**

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

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

1.7 Oil and Gas Production Abroad

Sl. No.	Name of Project	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Oil Production(MMT)								
1	GNOP, Sudan	2.443	2.126	1.801	1.324	0.596	0.741	0.705
2	MECL, Colombia	0.370	0.409	0.468	0.561	0.552	0.597	0.618
3	Sancristobal, Venezuela	0.671	0.704	0.757	0.894	0.800	0.767	0.645
4	IEC, Russia'	0.076	0.543	0.770	0.771	0.560	0.387	0.265
5	Sakhalin I, Russia	1.853	1.532	1.473	1.498	1.370	1.488	1.536
6	Block 5A, Sudan	0.285	0.247	0.226	0.174	0.000	0.034	0.000
7	GPOC, South Sudan	-	-	-	-	0.000	0.218	0.000
8	Vietnam 06.1	0.046	0.042	0.038	0.036	0.037	0.032	0.030
9	AFPC, Syria	0.812	0.694	0.647	0.496	0.124	0.000	0.000
10	BC-10, Brazil	-	0.192	0.573	0.450	0.291	0.318	0.812
11	Block 24,Syria	-	-	0.002	0.010	0.001	0.000	0.000
12	Carabobo-1,Venezuela	-	-	-	-	0.001	0.021	0.063
13	ACG,Azerbaijan	-	-	-	-	0.010	0.883	0.859
	Total-OIL	**6.556**	**6.489**	**6.755**	**6.214**	**4.341**	**5.486**	**5.533**
Gas Production(BCM)								
1	Sakhalin I, Russia	0.372	0.390	0.415	0.494	0.650	0.576	0.618
2	Vietnam 06.1	1.848	1.967	2.249	2.023	2.104	1.851	1.774
3	A1, A3, Myanmar				0.000		0.201	0.662
4	AFPC, Syria	0.000	0.024	0.015	0.007	0.002	0.000	0.000
5	BC-10, Brazil	-	-	-	0.015	0.012	0.013	0.042
6	IEC,Russia	-	-	-	-	0.071	0.036	0.024
7	MECL,Colombia	-	-	-	-	0.007	0.007	0.008
8	Sancristobal, Venezuela	-	-	-	-	0.072	0.087	0.074
9	Carabobo-1,Venezuela	-	-	-	-	-	0.001	0.003
10	ACG,Azerbaijan	-	-	-	-	0.001	0.099	0.136
	Total-GAS	**2.220**	**2.381**	**2.679**	**2.539**	**2.919**	**2.871**	**3.341**
	Total O & OEG	**8.776**	**8.870**	**9.434**	**8.753**	**7.260**	**8.357**	**8.874**

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.

*Provisional

Source: Oil & Natural Gas Corporation Videsh Limited.

Exploration-Crude Oil & Natural Gas

Exploration-Crude Oil & Natural Gas

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						
2008-09	164	406	228	413	392	819
2009-10	164	402	307	585	471	987
2010-11	131	355	379	689	510	1044
2011-12	159	384	341	635	500	1019
2012-13	137	368	298	587	435	955
2013-14	130	361	398	701	528	1063
2014-15*	145	360	369	658	514	1018
(B) Offshore						
2008-09	46	127	67	222	113	349
2009-10	58	203	60	164	118	367
2010-11	65	213	42	100	107	313
2011-12	61	213	52	121	113	334
2012-13	60	231	83	240	143	471
2013-14	70	240	84	220	154	461
2014-15*	61	180	62	155	123	335
Total (A+B)						
2008-09	210	534	295	634	505	1168
2009-10	222	605	367	749	589	1354
2010-11	196	568	421	789	617	1357
2011-12	220	597	393	756	613	1353
2012-13	197	599	381	827	578	1426
2013-14	200	602	482	922	682	1523
2014-15*	206	540	431	813	637	1352

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

*: Provisional

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

II.3 Status of Wells

(Figures in Numbers)

Company / Year #	Oil	Gas	Dry	Under Test	Injector	Others	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
			(A) Oil India Ltd.				
2008	428	114	428	41	100	1089	2200
2009	438	103	432	65	102	1094	2234
2010	459	90	434	78	106	1097	2264
2011	469	102	440	76	105	1110	2302
2012	473	104	436	88	108	1098	2307
2013	473	121	440	96	106	1109	2345
2014	422	116	441	98	105	1186	2368
2015	368	94	450	77	86	1322	2397
			(B) Oil & Natural Gas Corporation Ltd.				
2008	5244	746	2720	185	962	765	10622
2009	5425	778	2781	203	976	783	10946
2010	5652	811	2858	203	1008	791	11323
2011	5877	852	2919	230	1022	804	11704
2012	6122	906	2985	242	1041	823	12119
2013	6410	938	3034	275	1050	843	12550
2014	6667	973	3077	304	1054	864	12939
2015*	6901	1012	3119	328	1060	890	13310
			(C) Private/JVs				
2011				N.A.			
2012	32	18	37	6	2	56	151
2013	64	46	69	10	2	67	258
2014	185	68	142	22	20	80	517
2015*	308	82	165	49	41	101	746
			Total (A+B+C)				
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	6346	954	3359	306	1127	1914	14006
2012	6627	1028	3458	336	1151	1921	14521
2013	6947	1105	3543	381	1158	2019	15153
2014	7274	1157	3660	424	1179	2130	15824
2015*	7577	1188	3734	454	1187	2313	16453

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

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

II. 4 State-wise Geological Surveys Achievements upto 31.03.2015

States	By ONGC	By OIL	Total Geological Surveys
(1)	(2)	(3)	(4)
Andhra Pradesh	53427	-	53427
A.N. Islands	6860	-	6860
Arunachal Pradesh	3692	8	3700
Assam	48073	6	48079
Bihar (incl. Jharkhand)	4035	-	4035
Gujarat (Gulf Of Cambay)	60625	-	60625
Himachal Pradesh	9948	-	9948
Jammu & Kashmir	31970	-	31970
Kerala-Karnataka (incl. Goa)	4000	-	4000
Madhya Pradesh	117920	-	117920
Chhattisgarh	5920	-	5920
Manipur	2781	-	2781
Meghalaya	1911	1	1912
Mizoram	6194	8	6202
Nagaland	6971	-	6971
Orissa	-	-	0
Rajasthan	46501	-	46501
Sikkim	720	-	720
Tamil Nadu (Incl. Puducherry)	20003	-	20003
Tripura	21263	-	21263
Uttar Pradesh (incl. Uttarakhand)	29797	-	29797
West Bengal	8808	-	8808
Maharashtra	-	-	0
Eastern offshore	-	-	0
Western offshore	-	-	0
Total	**491419**	**23**	**491442**

Source: Oil and Natural Gas Corporation Limited & OIL

II. 5 State-wise Achievements of Geophysical Field Parties in India since Inception upto 31.03.2015

Area/ State	Oil & Natural Gas Corporation Ltd.		Oil India Ltd.			Private/JVs	
	2D (LK/GLK)	3D (SKM)	2D (LKM)	2D (GLKM)	3D (SKM)	2D (LKM)	3D (SKM)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
(A) Onshore							
Andhra Pradesh	39232	7340	-	300	402	1466	1497
Arunachal Pradesh	-	-	-	-	-	52	114
Assam	31289	4347	-	25934	7797	3207	1629
Bihar	8490	947	-	-	-	2423	947
Chhattisgarh	202	-	-	-	-	0	0
Gujarat	106818	11848	-	-	-	7174	7322
Himachal Pradesh	4250	-	-	-	-	810	0
Haryana	1038	-	-	-	-	0	0
Jammu & Kashmir	2563	-	-	-	-	0	0
Madhya Pradesh	10310	470	-	-	-	2339	304
Maharashtra	-	-	-	-	-	476	0
Manipur	-	-	-	-	-	210	0
Meghalaya	205	-	-	-	-	0	0
Mizoram	218	-	-	1341	613	1526	612
Nagaland	602	6	-	-	-	0	0
Orissa	313	-	-	4278	-	470	0
Punjab	4078	-	-	-	-	0	0
Rajasthan	23126	1492	-	12973	4084	17213	15263
Tamil Nadu	42741	9297	-	-	-	1710	2763
Tripura	6425	998	-	-	-	295	14
Uttar Pradesh	29102	211	-	-	-	2859	211
Uttaranchal	1522	-	-	6223	-	0	0
West Bengal	33663	4187	-	-	-	4435	3591
Total(A)	**346186**	**41143**	**-**	**51049**	**12896**	**46664**	**34268**
(B) Offshore							
Andaman	-	-	14043	-		26776	13515
Saurashtra	-	-	8767	-	332	16037	12179
Eastern offshore	252475	106335	-	-	-	197430	178313
Western offshore	480006	103750	-	-	1007	85168	49184
Total(B)	**732481**	**210085**	**22810**	**0**	**1339**	**325411**	**253191**
Total	**1078667**	**251228**	**22810**	**51049**	**14236**	**372075**	**287459**

Note: Geophysical fields of Pvt./JV"s in State Bihar includes Jharkhand and Uttar Pradesh is included in Uttarakhand
LKM: Line Kilometre. SKM: Square Kilometre. GLKM:Ground Line Kilometre.
Source: Oil & Natural Gas Corpn. Ltd. ,Oil India Ltd. and DGH

II.6 Basin-wise / State-wise Achievements of Drilling since Inception upto 31.03.2015

Basin	State / Region	Wells	Metreage
		Numbers	('000')
(1)	*(2)*	*(3)*	*(4)*
(A) Onshore		**13392**	**33056**
Cambay	Gujarat	7247	12511
Rajasthan	Rajasthan	519	1042
Vindhyan	Rajasthan	0	0
	Total WRBC	**7766**	**13552**
	Nagaland	36	163
Upper Assam	Assam	3983	13302
	Meghalaya	3	9
	Orissa	4	16
Fold Belt	Mizoram under ERBC	4	19
	Total ERBC	**4030**	**13508**
Assam-Arakan	Tripura	204	768
Foot hills &	West Bengal	36	182
Ganga Valley	Bihar	10	49
	Total CRBC	**250**	**998**
Himalayan Foot-hills,	Himachal Pradesh	16	75
Ganga Valley &	Punjab	4	20
Vindhyan/Gondwana	Uttar Pradesh	12	48
	Madhya Pradesh	18	66
	Jammu & Kashmir	4	16
	Total NRBC	**54**	**225**
Krishna-Godavari	Andhra Pradesh	611	2390
Cauvery	Tamil Nadu	681	2383
	Total SRBC	**1292**	**4773**
	Arunachal Pradesh #	31	216
	Others	0	0
(B) Offshore		**3173**	**11103**
East Coast(SW+DW)	East Coast including KG, Cauvery	416	1708
West Coast(SW+DW)	West Coast including drilling in	2738	9309
	Orissa, Andaman & Saurashtra	19	85
	Others	0	0
Total (A+B)		**16565**	**44158**

Note: Includes PVT/JVs Data during 2012-2013 onwards.

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

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 31.03.2015

(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.		**121**	**145**	**118**	**384**
a) Onshore					
Gujarat	Cambay	52	6	36	94
Assam	Upper Assam	25	1	8	34
	A&AA	3	5	1	9
Rajasthan	Jodhpur	0	8	0	8
Andhra Pradesh	K.G. Basin	4	45	14	63
Tamil Nadu	Cauvery	10	8	14	32
Tripura	A&AA	0	11	0	11
Nagaland	A&AA	2	0	0	2
Mizoram		0	1	0	1
Madhya Pradesh	Vindhyan Basin	0	0	0	0
b) Offshore					
East Coast	Cauvery Offshore	0	1	0	1
	KG Offshore(Shallow)	3	16	1	20
	KG Offshore(Deep)	1	12	3	16
	Mahanadi	0	4	0	4
	Andaman	0	0	0	0
West Coast	Cambay	0	0	2	2
	Mumbai Offshore	20	19	38	77
	Kutch	1	8	1	10
B. Oil India Ltd.		**0**	**0**	**19**	**19**
Assam	Upper Assam	0	0	14	14
Arunachal Pradesh	Upper Assam	0	0	1	1
Rajasthan	Jaisalmer	0	0	3	3
	Bikaner Nagpur	0	0	1	1
C. Private/JVCs		**37**	**17**	**6**	**60**
a) Onshore					
Gujarat	Cambay	29	3	2	34
Arunachal Pradesh	Assam-Arakan	1	0	0	1
Assam	Assam-Arakan	0	1	0	1
Madhya Pradesh*	Sohagpur	0	2	0	2
Jharkhand*	Jharia	0	1	0	1
	Bokaro	0	1	0	1
Rajasthan	Rajasthan	5	2	0	7
West Bengal*	Raniganj	0	2	0	2
b) Offshore					
East Coast	Cauvery	1	1	0	2
	Krishna Godavari	1	2	1	4
West Coast	Mumbai	0	2	1	3
	Cambay	0	0	2	2
Grand Total		**158**	**162**	**143**	**463**

A&AA : Assam & Assam Arakan. *: CBM Fields

Source: ONGC, OIL and DGH.

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

Area/State	Crude Oil(MMT)*							Natural Gas(BCM)*						
	2009	2010	2011	2012	2013	2014	2015	2009	2010	2011	2012	2013	2014	2015
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Western Offshore	345.28	344.85	328.27	337.72	336.22	327.28	333.44	362.14	394.55	408.88	420.63	415.65	430.61	436.65
Eastern Offshore	22.50	26.52	26.18	24.12	30.43	56.09	56.42	425.44	420.44	438.03	462.03	473.51	531.54	552.24
Total Offshore	**367.77**	**371.37**	**354.45**	**361.84**	**366.65**	**383.37**	**389.86**	**787.58**	**814.99**	**846.91**	**882.66**	**889.16**	**962.16**	**988.88**
Arunachal Pradesh	3.65	3.49	3.39	3.41	3.37	2.95	1.63	1.12	1.10	2.21	2.14	1.96	0.72	0.78
Andhra Pradesh	4.21	3.94	5.22	5.59	7.42	11.44	13.19	39.55	41.24	40.58	42.30	48.21	48.20	48.44
Nagaland	2.69	2.69	2.69	2.69	2.69	2.69	2.69	0.12	0.12	0.12	0.12	0.12	0.12	0.12
Jharkhand (CBM)	-	-	-	-	-	-	-	0.00	0.00	51.14	51.13	28.91	28.91	28.91
West Bengal(CBM)	-	-	-	-	-	-	-	39.81	39.81	4.35	14.27	39.71	39.55	39.33
Madhya Pradesh(CBM)	-	-	-	-	-	-	-	0.00	0.00	32.14	32.14	32.14	32.13	32.13
Tamil Nadu	7.97	7.84	8.48	8.86	9.21	9.12	10.80	26.95	34.27	36.88	39.30	45.83	44.92	47.59
Tripura	0.08	0.08	0.08	0.07	0.07	0.07	0.07	32.50	32.78	33.09	36.04	36.92	41.28	41.75
Assam	167.32	168.10	170.33	172.54	172.11	173.08	169.42	97.71	95.20	139.64	139.82	142.77	142.19	151.40
Rajasthan**	84.68	80.48	75.33	68.87	60.19	45.00	37.33	12.71	12.47	12.04	12.13	11.50	14.02	36.95
Gujarat	134.97	136.67	137.43	135.72	136.73	135.01	138.49	77.22	76.57	78.96	78.19	77.53	72.96	72.20
Total Onshore	**405.57**	**403.29**	**402.95**	**397.75**	**391.79**	**379.35**	**373.61**	**327.68**	**333.56**	**431.15**	**447.58**	**465.60**	**464.99**	**499.59**
Grand Total (Onshore+Offshore)	**773.34**	**774.66**	**757.40**	**759.59**	**758.44**	**762.73**	**763.48**	**1115.26**	**1148.54**	**1278.06**	**1330.24**	**1354.76**	**1427.15**	**1488.47**

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

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

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

Area/State	Crude Oil(MMT) *							Natural Gas(BCM)*						
	2009	2010	2011	2012	2013	2014	2015	2009	2010	2011	2012	2013	2014	2015
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Onshore														
ONGC	233.43	233.78	235.77	235.03	237.38	234.55	239.88	206.01	215.60	221.36	228.45	241.68	240.79	242.02
OIL	82.65	79.14	81.79	84.04	84.03	86.04	83.23	63.41	59.97	104.47	104.51	107.27	109.18	114.51
DGH	89.49	90.37	85.39	78.68	70.38	58.77	50.50	58.26	57.99	105.33	114.62	116.65	115.01	143.06
Total Onshore	**405.57**	**403.29**	**402.95**	**397.75**	**391.79**	**379.35**	**373.61**	**327.68**	**333.56**	**431.15**	**447.58**	**465.60**	**464.98**	**499.59**
Offshore														
ONGC	336.09	329.64	316.85	327.98	332.93	332.76	341.96	363.26	395.90	438.02	458.77	478.53	523.19	535.15
DGH	31.69	41.73	37.60	33.86	33.72	50.62	47.90	424.32	419.09	408.89	423.89	410.63	438.97	453.73
Total Onshore	**367.78**	**371.37**	**354.45**	**361.84**	**366.65**	**383.38**	**389.86**	**787.58**	**814.99**	**846.91**	**882.66**	**889.16**	**962.16**	**988.88**
Grand Total (Onshore+Offshore)	**773.34**	**774.66**	**757.40**	**759.59**	**758.44**	**762.74**	**763.48**	**1115.26**	**1148.54**	**1278.06**	**1330.24**	**1354.76**	**1427.14**	**1488.47**

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

Source: ONGC, OIL and DGH.

II.10 Production of Crude Oil and Natural Gas

(Calendar Year-wise)

Item	2008	2009	2010	2011	2012	2013	2014*
(1)	*(2)*	*(3)*	*(4)*	*(5)*	*(6)*	*(7)*	*(8)*
1. Crude Oil Production ++ ('000' Tonnes)							
(a) Onshore:							
Gujarat	6069	5878	5927	5855	5414	5230	4750
Assam	4686	4697	4661	5004	4948	4869	4492
Arunachal Pradesh	96	127	122	117	118	116	84
Tamil Nadu	276	246	225	250	243	225	237
Andhra Pradesh	293	300	300	308	295	301	258
Rajasthan	-	226	3885	6289	8237	8549	9059
Total (a)	**11420**	**11475**	**15120**	**17824**	**19255**	**19291**	**18879**
of which							
OIL	3450	3525	3538	3825	3757	3644	3359
ONGC	7745	7442	7431	7476	7014	6860	6243
JVC/Private	224	508	4151	6523	8484	8788	9277
(b) Offshore:							
ONGC++	18040	17226	17195	16473	15708	15639	16009
JVC/Private	4522	4528	4371	3943	3019	2880	2653
Total (b)	**22561**	**21753**	**21566**	**20416**	**18727**	**18519**	**18662**
Grand Total (a+b)	**33981**	**33228**	**36685**	**38240**	**37982**	**37810**	**37540**
2. Natural Gas Production (MMSCM)							
(a) Onshore:							
Gujarat	2679	2500	2293	2155	2120	1745	1538
Assam	2616	2653	2657	2865	2916	2896	2934
Arunachal Pradesh	29	36	46	41	40	42	34
Tripura	556	553	596	636	633	716	1113
Tamil Nadu	1236	1203	1115	1247	1212	1283	1255
Andhra Pradesh	1555	1488	1409	1344	1298	1190	673
Rajasthan	227	230	380	567	655	879	1128
West Bengal (CBM)**	13	36	37	75	103	145	209
Total (a)	**8911**	**8699**	**8533**	**8929**	**8977**	**8896**	**8885**
of which							
OIL	2315	2370	2334	2595	2631	2650	2682
ONGC	5841	5651	17502	5639	5579	5282	4942
JVC/Private	754	678	687	697	767	964	1262
(b) Offshore:							
ONGC (Mumbai High)	16491	17304	17502	17374	18170	18019	17466
JVC/Private	7658	15701	27293	22432	15594	9082	7756
Total (b)	**24150**	**33005**	**44796**	**39806**	**33764**	**27101**	**25222**
Grand Total (a+b)	**33060**	**41704**	**53328**	**48736**	**42742**	**35997**	**34106**

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

Source: ONGC, OIL and DGH. *: Provisional

II.11 Production of Crude Oil and Natural Gas

(Financial Year-wise)

Item	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15*
(1)	*(2)*	*(3)*	*(4)*	*(5)*	*(6)*	*(7)*	*(8)*
1. Crude Oil Production ++ ('000' Tonnes)							
(a) Onshore:							
Gujarat	5946	5960	5905	5780	5331	5061	4653
Assam	4674	4740	4721	5025	4863	4710	4466
Arunachal Pradesh	102	131	116	118	121	111	76
Tamil Nadu	265	239	233	247	238	226.394	240.063
Andhra Pradesh	289	304	305	305	295	297	254
Rajasthan	-	447	5149	6553	8593	9180	8848
Total (a)	**11276**	**11821**	**16429**	**18027**	**19441**	**19585**	**18537**
of which							
OIL	3468	3572	3582	3847	3661	3466	3412
ONGC	7565	7515	7447	7386	6944	6705	6069
JVC/Private	243	734	5400	6794	8836	9414	9056
(b) Offshore:							
ONGC++	17801	17340	16973	16330	15617	15541	16195
JVC/Private	4431	4529	4282	3733	2804	2663	2729
Total (b)	**22233**	**21869**	**21255**	**20063**	**18421**	**18203**	**18924**
Grand Total (a+b)	**33508**	**33690**	**37684**	**38090**	**37862**	**37788**	**37461**
2. Natural Gas Production (MMSCM)							
(a) Onshore:							
Gujarat	2605	2444	2262	2173	2032	1657	1526
Assam	2573	2703	2680	2905	2910	2868	2958
Arunachal Pradesh	30	40	44	40	41	41	34
Tripura	553	564	610	644	647	822	1140
Tamil Nadu	1242	1178	1119	1285	1206	1304.020	1191.565
Andhra Pradesh	1524	1479	1384	1364	1249	1171	541
Rajasthan	216	239	432	590	685	982	1178
West Bengal (CBM)	20	38	41	79	101	156	224
Madhya Pradesh (CBM)	0	0	0	2	3	6	2
Jharkhand (CBM)	0	0	0	4	3	3	2
Total (a)	**8763**	**8685**	**8574**	**9084**	**8877**	**9012**	**8796**
of which							
OIL	2268	2416	2350	2633	2639	2626	2722
ONGC	5753	5634	5504	5751	5447	5316	4750
JVC/Private	742	635	720	699	791	1069	1323
(b) Offshore:							
ONGC	16733	17462	17591	17565	18102	17968	17272
JVC/Private	7348	21350	26054	20910	13700	8428	7589
Total (b)	**24082**	**38811**	**43645**	**38475**	**31802**	**26395**	**24861**
Grand Total (a+b)	**32845**	**47496**	**52219**	**47559**	**40679**	**35407**	**33656**

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

Source: ONGC, OIL and DGH. *: Provisional

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

(Figures in MMSCM)

State / Utilisation	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Assam							
Gross Production	2573.00	2703.01	2679.85	2904.54	2909.79	2868.03	2958.25
Flared	173.38	182.24	174.76	168.65	193.89	172.63	186.02
Net Availability ^	2399.62	2520.77	2505.09	2735.89	2715.90	2695.40	2772.23
Re-injected (Internal Use)	540.11	558.57	549.73	583.85	576.76	567.55	578.17
Net Production (Sales)	1859.74	1963.38	1958.79	2151.86	2139.12	2127.86	2194.06
% Flared to GP	6.74	6.74	6.52	5.81	6.66	6.02	6.29
Arunachal Pradesh							
Gross Production	30.00	39.60	44.49	39.50	41.07	41.39	33.53
Flared	20.85	27.57	30.64	25.83	26.92	22.86	14.10
Net Availability ^	9.15	12.04	13.84	13.67	14.15	18.53	19.43
Re-injected (Internal Use)	8.96	12.04	13.56	13.67	14.14	8.45	8.56
Net Production (Sales)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Flared to GP	69.51	69.61	68.88	65.38	65.54	55.22	42.05
Rajasthan							
Gross Production	216.00	238.86	432.49	590.18	685.42	982.20	1177.77
Flared	1.91	17.69	48.68	33.31	51.74	38.40	38.68
Net Availability ^	214.09	221.17	383.80	556.87	633.68	943.81	1139.08
Re-injected (Internal Use)	4.45	7.82	200.37	259.85	360.54	445.74	508.66
Net Production (Sales)	209.75	213.36	183.43	297.03	273.13	474.16	571.06
% Flared to GP	0.88	7.41	11.26	5.64	7.55	3.91	3.28
Gujarat							
Gross Production	2605.00	2444.18	2261.83	2172.93	2032.09	1656.94	1525.65
Flared	31.88	37.96	30.57	69.43	38.61	72.35	121.88
Net Availability ^	2573.12	2406.22	2231.26	2103.51	1993.48	1584.59	1403.78
Re-injected (Internal Use)	589.09	613.94	622.06	605.97	570.52	475.61	427.44
Net Production (Sales)	1984.17	1792.07	1609.17	1497.52	1422.96	1108.98	976.35
% Flared to GP	1.22	1.55	1.35	3.20	1.90	4.37	7.99
Tamil Nadu							
Gross Production	1242.00	1177.75	1119.18	1284.76	1206.04	1304.02	1191.57
Flared	10.07	14.80	13.20	8.19	6.89	5.74	17.02
Net Availability ^	1231.93	1162.95	1105.98	1276.57	1199.15	1298.28	1174.55
Re-injected (Internal Use)	2.10	1.97	1.83	1.85	1.39	1.40	1.39
Net Production (Sales)	1230.30	1160.98	1104.14	1274.72	1197.75	1296.88	1173.16
% Flared to GP	0.81	1.26	1.18	0.64	0.57	0.44	1.43
Andhra Pradesh							
Gross Production	1524.00	1479.26	1384.39	1363.78	1248.55	1171.34	540.59
Flared	6.98	0.92	1.78	2.22	2.97	3.65	21.83
Net Availability ^	1517.02	1478.33	1382.61	1361.56	1245.58	1167.69	518.76
Re-injected (Internal Use)	6.43	10.42	10.26	18.56	28.19	30.61	15.64
Net Production (Sales)	1507.85	1467.59	1372.36	1343.00	1217.40	1137.09	503.12
% Flared to GP	0.46	0.06	0.13	0.16	0.24	0.31	4.04
Tripura							
Gross Production	553.00	563.79	609.98	643.90	646.74	822.24	1140.04
Flared	0.00	0.04	0.10	0.01	0.06	6.32	0.17
Net Availability ^	553.00	563.76	609.88	643.90	646.68	815.92	1139.88
Re-injected (Internal Use)	1.09	1.39	1.66	1.68	2.63	2.58	2.36
Net Production (Sales)	551.57	560.77	608.22	642.22	644.05	813.33	1137.52
% Flared to GP	0.00	0.01	0.02	0.00	0.01	0.77	0.01

Cont'd...

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

(Figures in MMSCM)

State / Utilisation	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
West Bengal (CBM)							
Gross Production	20.00	38.40	41.36	79.11	100.85	156.49	223.68
Flared	16.77	30.01	5.10	10.31	4.86	15.54	20.32
Net Availability ^	3.23	8.40	36.26	68.79	95.99	140.95	203.36
Re-injected (Internal Use)	1.47	2.84	5.20	9.41	12.30	21.42	33.73
Net Production (Sales)	1.55	5.56	31.06	59.39	83.68	119.52	169.63
% Flared to GP	83.84	78.13	12.33	13.04	4.82	9.93	9.09
Madhya Pradesh (CBM)							
Gross Production	-	-	-	1.53	3.44	5.65	2.08
Flared	-	-	-	0.89	2.30	4.09	1.29
Net Availability ^	-	-	-	0.63	1.14	1.57	0.79
Re-injected (Internal Use)	-	-	-	0.63	1.14	1.57	0.79
Net Production (Sales)	-	-	-	0.00	0.00	0.00	0.00
% Flared to GP	-	-	-	58.58	66.89	72.29	62.16
Jharkhand (CBM)							
Gross Production	-	-	-	3.56	2.95	3.38	2.48
Flared	-	-	-	0.00	0.00	0.00	0.00
Net Availability ^	-	-	-	3.56	2.95	3.38	2.48
Re-injected (Internal Use)	-	-	-	0.00	0.00	0.00	0.02
Net Production (Sales)	-	-	-	3.56	2.95	3.38	2.46
% Flared to GP	-	-	-	0.00	0.00	0.00	0.00
A. Total Onshore							
Gross Production	8763.00	8684.87	8573.57	9083.80	8876.92	9011.68	8795.63
Flared	261.85	311.22	304.84	318.85	328.23	341.57	421.30
Net Availability ^	8501.15	8373.64	8268.73	8764.95	8548.69	8670.11	8374.33
Re-injected (Internal Use)	1153.70	1208.99	1404.67	1495.47	1567.61	1554.93	1576.73
Net Production (Sales)	7344.93	7163.69	6867.17	7269.30	6981.04	7081.20	6727.36
% Flared to GP	2.99	3.58	3.56	3.51	3.70	3.79	4.79
B. Offshore							
Gross Production	24081.54	38811.39	43645.09	38474.84	31802.34	26395.20	24860.64
Flared	836.95	663.67	662.90	758.35	574.18	427.10	451.53
Net Availability ^	23244.59	38147.73	42982.19	37716.49	31228.16	25968.10	24409.10
Re-injected (Internal Use)	3526.55	4451.99	3808.97	3817.32	3861.01	4035.24	4327.17
Net Production (Sales)	19720.86	33709.92	39173.23	33899.14	27367.16	21902.64	20054.13
% Flared to GP	3.48	1.71	1.52	1.97	1.81	1.62	1.82
Total (A&B)							
Gross Production	32844.54	47496.26	52218.66	47558.64	40679.26	35406.88	33656.27
Flared	1098.80	974.89	967.74	1077.20	902.42	768.67	872.84
Net Availability ^	31745.74	46521.37	51250.92	46481.44	39776.85	34638.21	32783.43
Re-injected (Internal Use)	4680.26	5660.98	5213.64	5312.79	5428.62	5590.17	5903.90
Net Production **	27065.78	40873.61	46040.40	41168.44	34348.20	28983.83	26781.50
% Flared to GP	3.35	2.05	1.85	2.26	2.22	2.17	2.59

Notes: *: Provisional CBM:Coal Bed Methane

**: Denotes Natural gas available for sale

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

Source: ONGC, OIL and DGH.

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

(Figures in MMSCM)

Item	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Utilisation of Natural Gas **							
(a) Onshore:							
Gujarat	2573	2406	2231	2103	1993	1585	1404
Assam	2400	2522	2509	2736	2716	2695	2772
Arunachal Pradesh	9	12	14	14	14	8	9
Tripura	553	562	610	644	647	816	1140
Tamil Nadu	1232	1163	1106	1277	1199	1298	1175
Andhra Pradesh	1514	1478	1383	1362	1246	1168	519
Rajasthan	214	221	384	557	634	920	1080
West Bengal (CBM)	3	8	36	69	96	141	203
Madhya Pradesh (CBM)	0	0	0	1	1	2	1
Jharkhand (CBM)	0	0	0	4	3	3	2
Total (a)	8499	8373	8272	8765	8549	8636	8304
(b) Offshore:							
Eastern Offshore	793	15740	21348	16394	10184	5611	4991
Western Offshore	22039	22122	21342	21111	20902	20216	19280
Gujarat Offshore	416	299	292	212	142	111	110
Total (b)	23247	38162	42982	37716	31228	25938	24381
Grand Total (a+b)	**31746**	**46535**	**51254**	**46481**	**39777**	**34574**	**32685**
of which							
ONGC	21687	22462	22471	22507	22931	22765	21414
OIL	2120	2248	2193	2490	2470	2477	2567
Private/JVC	7939	21824	26590	21484	14375	9332	8704

**: Sales and internal use. CBM: Coal Bed Methane *: Provisional

Source: ONGC, OIL and DGH.

II.14 Sector-wise Consumption of Natural Gas

(Figures in MMSCM)

Sector	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a). Energy Purpose							
Power	12603	21365	25787	22628	16078	11284	10720
Industrial	***	***	***	284	269	156	395
Manufacture	***	***	***	30	0	105	138
Road Transport	***	***	***	0	0	66	0
City or Local Natural Gas Distribution Network	6014	2568	3427	5599	5780	5838	5415
Tea Plantation	154	167	193	175	182	196	188
LPG Shrinkage	**	**	**	1068	1027	982	1005
Int. Con. for Pipeline System	**	**	**	385	387	372	351
Miscellaneous	3420	7272	7546	9064	7976	7479	5934
Total (a)	**22191**	**31371**	**36953**	**39233**	**31699**	**26477**	**24146**
(b). Non-Energy Purpose							
Fertilzer Industry	9082	13168	11464	14003	14733	15869	15190
Petro-chemical	1105	1264	1309	1858	2486	2405	2890
Refinery	611	703	1529	4257	3891	3968	4575
Sponge Iron	1535	1838	765	1333	1106	274	154
Total (b)	**12333**	**16973**	**15066**	**21451**	**22216**	**22517**	**22809**
Grand Total (a+b)	**34524**	**48344**	**52019**	**60684**	**53915**	**48994**	**46955**
Total in MMSCMD	**94.59**	**132.45**	**142.52**	**166.26**	**147.71**	**134.23**	**128.64**

Note: Includes of Consumption of LNG in 2011-12 & onwards. **: Includes in Miscellaneous Sector. *: Provisional

***: Includes Industrial, Manufacture and Road Transport Sectors covered under CGD Sector.

Source: PPAC & Oil Companies

Refining, Transportation & Marketing

Refining, Transportation & Marketing

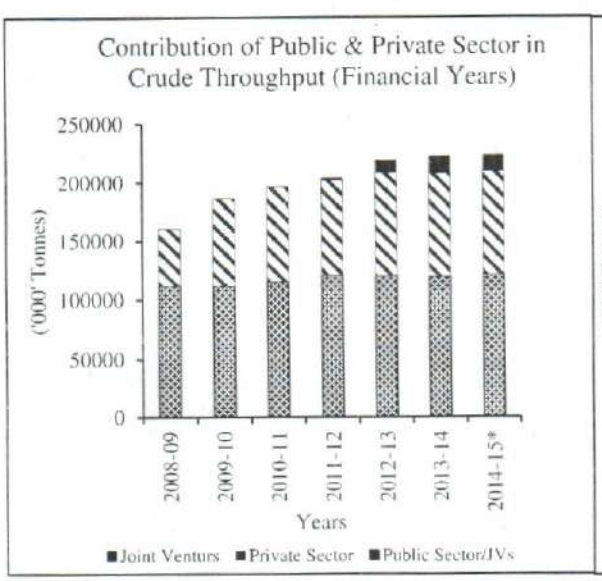
III.2 Refinery Crude Throughput and Production of Petroleum Products

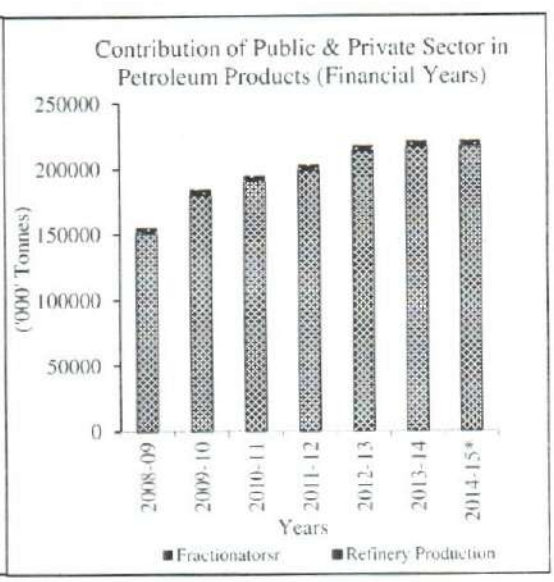
(Figures in TMT)

Year	Crude Throughput				Production of Petroleum Products					
	Refinery				Refinery				Fractionators	Grand Total
	PSUs	PVTs	JVs	Total	PSUs	PVTs	JVs	Total		
(1)	*(2)*	*(3)*	*(4)*	*(5)*	*(6)*	*(7)*	*(8)*	*(9)*	*(10)*	*(11)*
(Calendar Years)										
2008	112120	48327	-	160447	103748	46501	-	150249	3816	154065
2009	112365	75951	-	188316	104026	75343	-	179369	4767	184136
2010	112829	83407	-	196236	103981	84080	-	188060	4558	192618
2011	121030	81387	1242	203660	112609	84360	980	197949	4644	202594
2012	119763	87363	8035	215160	111558	90034	7191	208783	4566	213349
2013	119749	88097	14472	222318	114144	85588	16878	216610	4396	221006
2014*	120944	88436	13442	222822	114401	89977	12580	216958	4101	221059
(Financial Years)										
2008-09	112222	48550	-	160772	103933	46583	-	150516	4632	155148
2009-10	112116	74435	-	186551	103641	76127	-	179768	4840	184608
2010-11	115311	81678	-	196989	106428	83888	-	190316	4504	194821
2011-12	120895	81179	2048	204121	102518	94328	1716	198561	4640	203202
2012-13	120303	88273	10636	219212	112329	91197	9692	213219	4518	217736
2013-14	119547	88229	14721	222497	112738	90101	13617	216456	4300	220756
2014-15*	121183	88533	13526	223242	114462	89997	12682	217141	3994	221136

Note: Crude throughput in terms of Crude oil Processed

*: Provisional





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

(Figures in TMT)

Refinery	Crude Throughput							Production of Petroleum Products						
	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15*	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15*
(1)	*(2)*	*(3)*	*(4)*	*(5)*	*(6)*	*(7)*	*(8)*	*(9)*	*(10)*	*(11)*	*(12)*	*(13)*	*(14)*	*(15)*
(a) PUBLIC SECTOR	**112223**	**112116**	**115311**	**120895**	**120303**	**119547**	**121183**	**103933**	**103641**	**106429**	**112518**	**112329**	**112738**	**114462**
IOCL, Digboi	623	600	651	622	660	651	591	605	578	633	602	652	650	591
IOCL, Guwahati	1076	1078	1118	1058	956	1019	1006	914	952	997	927	881	1078	1067
IOCl, Barauni	5940	6184	6207	5730	6344	6478	5944	5362	5651	5654	5210	5732	5948	5412
IOCL, Koyali	13852	13206	13561	14253	13155	12960	13285	13059	12472	12687	13437	12480	12300	12492
IOC, Haldia	6042	5686	6878	8072	7490	7952	7650	5531	5053	6242	7283	6793	7233	7008
IOCl, Mathura	8601	8107	8880	8202	8561	6641	8515	8164	7672	8561	7926	8281	6370	8243
IOCL, Panipat	13070	13615	13660	15496	15126	15098	14191	11680	11959	12026	14029	14112	14795	14110
IOCL, Bongaigoan	2163	2220	2008	2188	2356	2328	2403	2022	2100	1841	1969	2116	2121	2186
BPCL, Mumbai	12262	12516	13020	13355	13077	12684	12821	11437	11810	12406	12726	12458	12365	12346
BPCL, Kochi	7739	7875	8699	9472	10105	10285	10356	7192	7389	8138	8796	9385	9674	9803
HPCL, Mumbai	6652	6965	6638	7506	7748	7785	7408	6210	6594	5987	7225	7388	7213	7030
HPCL, Vishakhapatnam	9155	8796	8200	8682	8028	7776	8770	8654	8117	7626	8017	7452	7246	8241
CPCL(MRL), Manali	9718	9580	10104	9953	9105	10065	10251	8853	8718	9098	8998	8140	9169	9421
CPCL(MRL), Narimanam	418	517	703	611	640	559	531	398	503	696	602	635	558	539
NRL, Numaligarh	2251	2619	2252	2825	2478	2613	2777	1992	2336	1996	2750	2373	2557	2754
MRPL, Mangalore	12577	12498	12662	12798	14415	14589	14632	11778	11683	11773	11952	13394	13397	13169
ONGC, Tatipaka	84	55	69	69	57	65	51	82	54	68	68	56	64	50
(b) PRIVATE SECTOR	**48549**	**74435**	**81678**	**81179**	**88273**	**88229**	**88533**	**46583**	**76127**	**83887**	**84328**	**91197**	**90101**	**89997**
RIL, Jamnagar	31984	31379	31198	32497	32613	30307	30867	33010	31768	31514	33114	32755	30815	30864
RIL, SEZ-Jamnagar	3652	29555	35607	35186	35892	37720	37174	-	30113	37871	38541	39399	39799	39329
EOL, Vadinar	12913	13502	14873	13496	19769	20202	20491	13573	14246	14502	12673	19043	19487	19804
(c) JOINT VENTURE	-	-	-	**2048**	**10636**	**14721**	**13526**	-	-	-	**1716**	**9692**	**13617**	**12682**
BORL, Bina	-	-	-	2048	5732	5450	6209	-	-	-	1716	5209	4994	5782
HMEL, Bathinda	-	-	-	-	4904	9271	7318	-	-	-	-	4483	8623	6900
(d) Fractionators	-	-	-	-	-	-	-	**4632**	**4842**	**4504**	**4640**	**4518**	**4300**	**3994**
Grand Total	**160772**	**186552**	**196989**	**204121**	**219212**	**222497**	**223242**	**155148**	**184610**	**194821**	**203202**	**217736**	**220756**	**221136**

Note: 1. Excludes other Inputs from Refineries Crude throughput(Crude oil Processed)

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

*: Provisional

III.4 Refinery-wise Production of Petroleum Products during 2014-15*

(Figures in TMT)

Refinery/Plant	LPG	Motor Spirit	Naphtha	ATF	SKO	HSDO	LDO	Furnace Oil	LSHS	Bitumen	Lube Oil	Petroleum Coke	Waxes	Total Production	Fuel & Losses	Crude Processed
(1)	*(2)*	*(3)*	*(4)*	*(5)*	*(6)*	*(7)*	*(8)*	*(9)*	*(10)*	*(11)*	*(12)*	*(13)*	*(14)*	*(15)*	*(16)*	*(17)*
IOC, Guwahati	41	152	27	34	80	672	-1	0	0	0	0	60	0	1067	122	1006
IOC, Barauni	292	1113	102	0	713	2971	0	40	3	-0.03	0	132	0	5412	546	5944
IOC, Koyali	568	1744	542	385	799	6418	15	385	121	467	0	761	0	12492	1272	13285
IOC, Haldia	251	567	391	327	865	2879	0	893	0	558	204	0	0	7008	664	7650
IOC, Mathura	337	1187	437	506	493	3020	0	1368	0	702	0	0	0	8243	695	8515
IOC, Digboi	9	89	-1	0	17	327	15	69	0	0	0	35	29	591	61	591
IOC, Panipat	674	1418	1554	1049	804	6363	0	0	27	416	0	869	0	14110	1445	14191
IOCL,Bongaigoan, Assam	53	153	156	0	127	1448	81	28	0	0	0	139	0.00	2186	220	2403
BPCL, Mumbai	429	1910	799	812	302	5750	58	1044	105	545	246	0	0.00	12346	611	12821
BPCL, Kochi	526	1776	492	455	186	5255	22	662	116	185	0	0	0.00	9803	643	10356
HPCL, Mumbai	379	1297	499	409	191	2538	70	665	-11	522	295	0	0.00	7030	556	7408
HPCL, Vishakhapatnam	429	1545	519	77	614	3617	89	723	197	384	0	0	0.00	8241	652	8770
CPCL(MRL), Manali	327	1050	568	704	381	4237	11	1282	0	428	201	0	24.90	9421	912	10251
CPCL(MRL), Narimanam	15	0	137	0	12	237	0	0	137	0	0	0	0.00	539	23	531
NRL, Numaligarh	54	392	111	83	184	1833	0	0	0	0	0	93	0.00	2754	175	2777
MRPL, Mangalore	502	1070	1332	1214	537	5683	0	1873	-43	149	0	367	0.00	13169	1479	14632
ONGC, Tatipaka	0	0	9	0	2	20	0	0	19	0	0	0	0	50	1	51
RPL, Jamnagar	393	2715	5599	2398	0	9957	0	1285	0	0	0	2844	0	30864	2317	30867
RPL,SEZ	872	8848	1893	2000	0	15495	0	728	0	0	0	3600	0	39329	3234	37174
EOL, Vadinar	768	3215	749	123	381	9598	0	203	0	275	0	2248	0	19804	1090	20491
BORL,Bina	194	1055	35	407	544	2922	0	0	0	0	0	530	0	5782	479	6209
HMEL,Bathinda	548	1029	194	109	255	3180	0	0	0	0	0	770	0	6900	473	7318
Total Refinery	**7662**	**32325**	**16145**	**11092**	**7487**	**94418**	**358**	**11248**	**671**	**4632**	**946**	**12448**	**53**	**217141**	**17669**	**223242**
Gail	1095	-	1147	-	-	-	-	-	-	-	-	-	-	2674	-	-
ONGC	1039	-	99	11	72	9	-	-	-	-	-	-	-	1277	-	-
OIL	44	-	-	-	-	-	-	-	-	-	-	-	-	44	-	-
Fractionators	**2178**	**-**	**1246**	**11**	**72**	**9**	-	-	-	-	-	-	-	**3994**	-	-
Grand Total	**9840**	**32325**	**17391**	**11103**	**7559**	**94428**	**358**	**11248**	**671**	**4632**	**946**	**12448**	**53**	**221136**	**17669**	**223242**

*Provisional

III.5 (a) Production of Petroleum Products (Calendar Year-wise)

(Figures in '000' Tonne)

PRODUCTS	Production							% Variation During 2014 Over	
	2008	2009	2010	2011	2012	2013	2014*	2013	2012
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
LPG	9234	10432	9628	9717	9709	9853	9953	1.0	2.5
Motor Spirit	16002	21718	25881	26845	29549	30263	31800	5.1	7.6
Naphtha	16307	18659	19366	18927	18648	18779	17821	-5.1	-4.4
Kerosene	8013	8708	8056	7815	8115	7461	7604	1.9	-6.3
ATF	8456	9171	9212	10593	9538	11208	10926	-2.5	14.5
HSD	62304	72990	76726	82255	89283	93022	94693	1.8	6.1
LDO	659	521	528	537	428	427	351	-17.8	-17.9
Furnace Oil	14428	15350	18294	17324	14266	13156	11745	-10.7	-17.7
LSHS/HHS/RFO	3090	2681	1872	1744	1566	631	562	-11.0	-64.1
Total Fuel Oils	17518	18031	20167	19067	15832	13787	12307	-10.7	-22.3
Lube Oils	908	911	859	1016	954	915	878	-4.1	-7.9
Bitumen	4577	4938	4510	4629	4555	4876	4756	-2.5	4.4
Petroleum Coke	4252	4043	2657	6706	9990	11892	10060	-15.4	0.7
Paraffin Wax	70	63	63	50	54	52	54	3.3	-1.1
Total Waxes	72	67	67	56	59	60	56	-8.2	-6.7
Others	15265	24783	26849	24155	26403	28324	29808	5.2	12.9
or Petroleum	**154332**	**184536**	**194874**	**202594**	**213349**	**221006**	**221059**	**0.0**	**3.6**
of which									
Refineries	**150516**	**179769**	**190316**	**197949**	**208783**	**216610**	**216958**	**0.2**	**3.9**
Frationators	**3816**	**4767**	**4558**	**4644**	**4566**	**4396**	**4101**	**-6.7**	**-10.2**

*: Provisional

III. 5 (b) Production of Petroleum Products (Financial Year-wise)

(Figures in '000' Tonne)

Products	Production							% Variation During 2014-15 Over	
	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15*	2013-14	2012-13
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
LPG	9158	10334	9708	9547	9825	10030	9840	-1.9	0.2
Mogas	16020	22537	26138	27186	30118	30275	32325	6.8	7.3
Naphtha	16452	18788	19196	18825	19018	18505	17391	-6.0	-8.6
Kerosene	8391	8703	7809	7861	7971	7418	7559	1.9	-5.2
ATF/RTF/Jet A-1	8071	9304	9589	10065	10088	11220	11103	-1.0	10.1
HSD	62905	73298	78057	82880	91103	93759	94428	0.7	3.6
LDO	606	472	590	502	400	423	358	-15.4	-10.4
Furnace Oil	14749	15828	18659	16732	13690	12920	11248	-12.9	-17.8
LSHS/HHS/RFO	2935	2518	1860	1701	1364	485	671	38.3	-50.8
Fuel Oil	17684	18346	20519	18433	15054	13405	11919	-11.1	-20.8
Lube Oils	874	950	884	1028	896	941	946	0.5	5.5
Bitumen	4713	4889	4478	4610	4670	4785	4632	-3.2	-0.8
Petroleum Coke	4241	3709	2711	7837	10943	12068	12448	3.1	13.7
Paraffin Wax	69	64	61	47	52	55	51	-7.8	-2.9
Total Wax	74	67	67	54	57	56	53	-4.7	-6.1
Others	5964	12478	15081	14381	17598	17871	18137	1.5	3.1
or Petroleum	**155148**	**184610**	**194821**	**203202**	**217736**	**220756**	**221136**	**0.2**	**1.6**
of which									
Refineries	**150516**	**179768**	**190316**	**198561**	**213219**	**216456**	**217141**	**0.3**	**1.8**
Frationators	**4632**	**4842**	**4504**	**4640**	**4518**	**4300**	**3994**	**-7.1**	**-11.6**

*: Provisional

Source: Oil Companies

III.6 Crude Oil, Natural Gas and Product Pipelines in India

Type of pipeline / Owner	Length (in Kms.) as on 31st March							
	2008	2009	2010	2011	2012	2013	2014	2015
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Crude Pipelines (Onshore)								
ONGC	566	569	647	790	835	820	820	820
OIL	1193	1193	1193	1193	1193	1193	1193	1193
IOC	3984	4332	4332	4332	4342	4448	4448	4448
BORL (JV with BPCL)	–	–	–	–	937	937	937	937
HMEL (JV with HPCL)	–	–	–	–	1017	1017	1017	1017
CAIRN @			N.A.				670	670
Subtotal	**5742**	**6094**	**6172**	**6315**	**8323**	**8414**	**9084**	**9084**
Crude Pipelines (Offshore)								
ONGC	488	488	488	488	488	488	488	488
Subtotal	**488**	**488**	**488**	**488**	**488**	**488**	**488**	**488**
Total Crude Oil Pipelines	**6230**	**6582**	**6660**	**6803**	**8811**	**8902**	**9572**	**9572**
Gas Pipelines (Onshore)								
ONGC						53	53	53
IOC				132	132	134	134	140
GAIL	7001	7190	7803	8197	9454	10702	10909	10977
GSPL	N.A.	N.A.	N.A.	N.A.	N.A.	2163	2174	2192
RIL[2]		1480	1480	1480	1480	1480	1480	1480
AGC.DNPL	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	1000	1000
CAIRN @	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	592	592
Subtotal	**7001**	**8670**	**9283**	**9809**	**11066**	**14532**	**16342**	**16434**
Gas Pipelines (Offshore)								
ONGC	963	963	963	963	963	987	987	987
Subtotal	**963**	**963**	**963**	**963**	**963**	**987**	**987**	**987**
Total Gas Pipelines	**7964**	**9633**	**10246**	**10772**	**12029**	**15519**	**17329**	**17421**
Product Pipelines (Onshore)								
IOC	5286	5963	6175	6401	6401	6632	6632	6633
BPCL	1389	1389	1389	1389	1648	1648	1697	1935
HPCL	2134	2134	2134	2134	2164	2446	2446	2553
OIL		654	654	654	654	654	654	654
PCCK	293	293	293	293	293	293	293	293
PHMB	364	364	364	364	364	364	364	364
GAIL	1927	1964	1978	1978	2038	2038	2032	2032
Subtotal	**11393**	**12761**	**12987**	**13213**	**13562**	**14074**	**14117**	**14463**
Product Pipelines (Offshore)	–	–	–	–	–	–	–	–
Total Product Pipeline	**11393**	**12761**	**12987**	**13213**	**13562**	**14074**	**14117**	**14463**
Grand Total	**25587**	**28975**	**29893**	**30788**	**34402**	**38495**	**41019**	**41456**

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

2: Total Product Pipeline includes 2334 KMs LPG Pipeline which 2032 KMs from Gail, 274 KMs from IOCL and 28KMs from BPCL.

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

Source: Oil companies & CHT

III.7 Major Crude Oil Pipelines in India

Type of Pipeline / Owner/Name of Pipeline	Capacity (TMT)		Length (KM)		Throughput (TMT)		Utilization (%)	
	31.03.2014	31.03.2015	31.03.2014	31.03.2015	2013-14	2014-15 (p)	2013-14	2014-15
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Crude Pipelines (Onshore)								
IOCL	**40400**	**40400**	**4448.00**	**4448.00**	**45857**	**47779**	**113.51**	**118.26**
Salaya Mathura Pipeline	21000	21000	1870.00	1870.00	20627	23834	98.22	113.50
Mundra Panipat Pipeline	8400	8400	1194.00	1194.00	8726	7770	103.88	92.50
Paradip Haldia Barauni Pipeline	11000	11000	1384.00	1384.00	16504	16175	150.04	147.05
ONGC	**28987**	**28987**	**819.61**	**819.61**	**11583**	**9968**	**39.96**	**34.39**
MHN-NGM Trunk pipeline-Old *	2260	2260	77.00	77.00	-	-	-	-
MHN-NGM Trunk pipeline-New	2265	2265	77.00	77.00	2266	2225	100.04	98.24
Kalol-Nawagam-Old **	3140	3140	50.90	50.90	-	-	-	-
Kalol-Nawagam-New	3140	3140	62.50	62.50	1020	992	32.48	31.59
18" Nawagam-Koyali pipeline	5400	5400	78.40	78.40	2270	2314	42.04	42.85
14" Nawagam-Koyali pipeline ***	3300	3300	78.40	78.40	1390	1414	42.12	42.85
CTF, Ankl to Koyali Pipeline	2199	2199	94.77	94.77	1387	882	63.07	40.11
CTF, Ankl to CPF, Gandhar ^	394	394	44.30	44.30	398	-	101.02	-
CPF, Gandhar to Saraswani 'T' point ^^	1805	1805	56.70	56.70	1145	586	63.43	32.47
Akholjuni to Laxmipura 'T' point	481	481	65.07	65.07	130	134	26.96	27.95
Lakwa-Moran pipeline	1500	1500	17.50	17.50	410	343	27.33	22.87
Geleki-Jorhat pipeline	1500	1500	48.50	48.50	641	572	42.73	38.10
Borholla-Jorhat pipeline	600	600	42.80	42.80	187	167	31.17	27.85
KSP-WGGS to Tatipaka Refinery #	83	83	13.50	13.50	-	-	-	-
GMAA EPT to S. Yanam unloading terminal (Ist line) ##	90	90	3.50	3.50	-	-	-	-
GMAA EPT to S. Yanam unloading terminal (New line)	90	90	3.50	3.50	118	101	131.11	112.72
8" Narimanam to CPCL refinery pipeline	740	740	5.27	5.27	222	237	29.94	32.02
OIL	**8400**	**8400**	**1192.60**	**1192.60**	**6577**	**6772**	**78.30**	**80.62**
Duliajan - Digboi- Barauni - Bongaigaon Pipeline	8400	8400	1192.60	1192.60	6577	6772	78.30	80.62
JV	**15000**	**15000**	**1954.00**	**1954.00**	**15232**	**13449**	**101.54**	**89.66**
HMEL (JV with HPCL) (Mundra - Bhatinda Pipeline)	9000	9000	1017.00	1017.00	9680	7318	107.56	81.31
BORL (JV with BPCL) (Vadinar - Bina Pipeline)	6000	6000	937.00	937.00	5552	6131	92.53	102.18
Cairns	**8710**	**8710**	**670.00**	**670.00**	**9147**	**8844**	**105.02**	**101.54**
Mangala- Bhogat Pipeline	8710	8710	670.00	670.00	9147	8844	105.02	101.54
Total Onshore Crude Pipeline	**101497**	**101497**	**9084.21**	**9084.21**	**88396**	**86812**	**87.09**	**85.53**
Crude Pipelines (Offshore)								
ONGC	**45134**	**45134**	**488.00**	**488.00**	**12915**	**13315**	**28.61**	**29.50**
Mumbai High - Uran Pipeline	15634	15634	204.00	204.00	9922	8240	63.46	52.71
Heera Uran Pipeline	11500	11500	81.00	81.00	2993	5075	26.03	44.13
30" BUT (Oil)	18000	18000	203.00	203.00	0	0	0.00	0.00
Total Offshore Crude Pipeline	**45134**	**45134**	**488.00**	**488.00**	**12915**	**13315**	**28.61**	**29.50**
Total Crude Pipeline	**146631**	**146631**	**9572.21**	**9572.21**	**101311**	**100127**	**69.09**	**68.28**

Note:*: Out of Service since July'12 **: Kalol-Nawagam (Old) trunk line is isolated and kept on standby. ***: 78 km X 14" Nawagam-Koyali line was given on lease to IOC in 2000 and was handed back to ONGC on 1st Apr.'10. The line was restored and re-commissioned in Oct.'12. ^: After damage / rupture of 8" CTF to CPF line in river portion near Dhanturia on 25.08.13 due to high floods in Narmada river on 25.08.2013, this line is not in use. ^^:Length and capacity includes length and capacity of branch lines from GNAQ and Dabka meeting at Magnad 'T' point and Mobha 'T' point respectively. #: Line is being used for gas transfer as the GAIL line has burst. ##:Not in use due to multiple leakages. Required repair due to ROU issues.

Source: Oil companies & CHT

III.8 Major Gas Pipelines in India

Type of Pipeline / Owner/Name of Pipeline	Capacity (MMSCMD)		Length (KM)		Throughput (MMSCMD)		Utilization (%)	
	31.03.2014	31.03.2015	31.03.2014	31.03.2015	2013-14	2014-15 (p)	2013-14	2014-15
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
GAS PIPELINES (Onshore)								
IOCL	**9.241**	**9.241**	**134**	**140**	**3.200**	**3.737**	**34.63**	**40.44**
Dadri Panipat R LNG Pipeline **	9.241	9.241	134	140	3.200	3.737	34.63	40.44
ONGC	**2.649**	**2.649**	**53**	**53**	**0.586**	**1.471**	**22.13**	**55.52**
20" Agartala Dome - OTPC Palatana	2.649	2.649	53	53	0.586	1.471	22.13	55.52
GAIL	**206.035**	**206.035**	**10909**	**10977**	**96.220**	**92.100**	**46.70**	**44.70**
HVJ-GREP-DVPL	53.000	53.000	4582	4658	42.920	38.760	80.98	73.13
DVPL-GREP Upgradation (DVPL-II & VDPL)	54.000	54.000	1119	1119	15.330	20.320	28.39	37.63
Chhainsa-Jhajjar-Hissar P/L (SNPL PART)*	5.000	5.000	262	265	0.680	0.790	13.60	15.80
Dadri Bawana Nangal *	11.000	31.000	803	835	2.400	4.080	21.82	13.16
Dahej-Panvel-Dhabol	19.900	19.900	873	875	8.920	8.520	44.82	42.81
Kochi-Nanglore-Bangaluru (Phase 1)	6.000	6.000	41	41	0.310	0.390	5.17	6.50
Dhabol Bangalore	16.000	16.000	1004	1004	0.970	0.870	6.06	5.44
South Gujarat Regional	15.420	15.420	731	671	4.980	3.930	32.30	25.49
North Gujarat Regional	2.910	2.910			0.370	0.320	12.71	11.00
Rajasthan Regional (Jaisalmer)	2.350	2.350	152	152	1.090	1.310	46.38	55.74
Cauvery Basin	8.662	8.662	267	278	3.570	3.250	41.21	37.52
K G Basin	15.997	15.997	877	881	5.990	3.450	37.44	21.57
Assam (Lakwa)	2.500	2.500	8	8	0.570	0.520	22.80	20.80
Tripura (Agartala)	2.260	2.260	61	61	1.480	1.450	65.49	64.16
Mumbai Regional	7.036	7.036	129	129	9.720	9.010	138.15	128.06
GSPL	**43.000**	**43.000**	**2174**	**2192**	**21.076**	**23.000**	**49.01**	**53.49**
Gujarat Low Pressure Network	31.000	31.000	2117	2135	21.076	23.000	67.99	74.19
Gujarat High Pressure Network	12.000	12.000	58	58			0.00	0.00
Assam Gas Company & DNPL^	**6.000**	**6.000**	**1000**	**1000**	**4.500**	**4.500**	**75.00**	**75.00**
Duliajan to Numaligarh	6.000	6.000	1000	1000	4.500	4.500	75.00	75.00
RIL	**95.000**	**95.000**	**1480**	**1480**	**20.200**	**21.000**	**21.26**	**22.11**
East-West Pipeline***	95.000	95.000	1480	1480	20.200	21.000	21.26	22.11
Cairns	**1.178**	**1.699**	**592**	**592**	**0.255**	**0.320**	**21.69**	**18.84**
Mangala- Bhogat Pipeline	1.178	1.699	592	592	0.255	0.320	21.69	18.84
Total Onshore Gas Pipeline	**363.103**	**363.624**	**16342**	**16434**	**146.038**	**146.128**	**40.22**	**40.19**
GAS PIPELINES (Offshore)								
ONGC	**105.747**	**105.747**	**987**	**987**	**45.682**	**43.438**	**43.20**	**41.08**
28" MUT Gas Line	12.247	12.247	204	204	9.945	9.258	81.21	75.59
26" BUT gas line	12.500	12.500	203	203	0.002	0.000	0.02	0.00
26" HUT gas line	16.000	16.000	81	81	2.093	2.164	13.08	13.53
36" BPA - Hazira (gas)	22.000	22.000	231	231	13.367	13.405	60.76	60.93
42" BPB - Hazira (gas)	37.000	37.000	244	244	16.329	14.751	44.13	39.87
20" Uran Trombay Gas Trunk line	6.000	6.000	24	24	3.945	3.860	65.75	64.34
Total offshore Gas Pipeline	**105.769**	**105.769**	**987**	**987**	**45.682**	**43.441**	**43.19**	**41.07**
Total Gas Pipeline	**464.122**	**464.122**	**17329**	**17421**	**188.140**	**186.020**	**40.54**	**40.08**

Note: *: CJPL & DBPL capacity/Flow is not included in total capacity, as these are extension of DVPL-II / VDPL.

**: Spur line to Micro Polypet (6.6 Km) commissioned in 2014.

***: RIL's Gas Pipeline (Onshore) comprises 1375 kms Trunk line + approx. 105 kms spurline. Capacity determination for FY 13-14 & FY 14-15 is being processed by PNGRB. Capacity indicated is last declared capacity, which is disputed and matter is sub-judice at APTEL.

^: 104 KMs Common Carrier Pipeline of Assam Gas Co. which capacity is 2.428

Source: Oil companies & CHT

III.9 Major LPG & Petroleum Products Pipelines in India

Type of Pipeline / Owner/Name of Pipeline	Capacity (TMT)		Length (KM)		Throughput (TMT) (p)		Utilization (%)	
	31.03.2014	31.03.2015	31.03.2014	31.03.2015	2013-14	2014-15	2013-14	2014-15
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
LPG Pipelines								
BPCL	**0**	**800**	**0**	**28**	**0**	**55**	**0**	**6.91**
Mumbai Uran ^^	-	800	-	28	-	55	-	6.91
IOCL	**700**	**700**	**274**	**274**	**490**	**477**	**70.00**	**68.14**
Panipat - Jalandhar LPG Pipeline	700	700	274	274	490	477	70.00	68.14
GAIL	**3830**	**3830**	**2032**	**2032**	**3145**	**3437**	**82.12**	**89.73**
Jamnagar-Loni LPG Pipeline	2500	2500	1414	1414	2202	2326	88.08	93.03
Vizag-Secunrabad LPG Pipeline	1330	1330	618	618	943	1111	70.93	83.52
Total LPG Pipeline	**4530**	**5330**	**2306**	**2334**	**3635**	**3969**	**80.25**	**74.47**
PRODUCT Pipelines (Onshore)								
IOCL	**39390**	**39390**	**6358**	**6359**	**26722**	**27428**	**67.84**	**69.63**
Koyali Ahmedabad Pipeline	1100	1100	116	116	673	745	61.18	67.73
Koyali Sanganer Pipeline	4600	4600	1287	1287	3428	3451	74.52	75.02
Koyali Ratlam Pipeline	2000	2000	265	265	1137	1317	56.85	65.85
Koyali Dahej Pipeline	2600	2600	197	197	328	148	12.62	5.69
Barauni Kanpur Pipeline	3500	3500	745	745	2588	2263	73.94	64.66
Haldia Mourigram Rajbandh Pipeline	1350	1350	277	277	1843	1763	136.52	130.59
Haldia Barauni Pipeline ^	1250	1250	525	526	1021	1205	81.68	96.40
Guwahati Siliguri Pipeline	1400	1400	435	435	1727	1787	123.36	127.64
Panipat Bhatinda Pipeline	1500	1500	219	219	1323	1345	88.20	89.67
Panipat Rewari Pipeline	2100	2100	155	155	1487	1514	70.81	72.10
Panipat Ambala Jalandhar Pipeline	3500	3500	434	434	2393	2336	68.37	66.74
Panipat Delhi Pipeline *	3000	3000	189	189	1937	1228	64.57	40.93
Mathura Delhi Biijwasan Panipat Pipeline	3700	3700	258	258	1784	2614	48.22	70.65
Mathura Tundla Pipeline			56	56	300	326		
Mathura Bharatpur Pipeline	1200	1200	21	21	453	632	62.75	79.83
Chennai Trichy Madurai Pipeline	2300	2300	683	683	2304	2438	100.17	106.00
Chennai Bangalore Pipeline	2450	2450	290	290	989	1430	40.37	58.37
Chennai Meenambakkam ATF Pipeline	180	180	95	95	225	183	125.00	101.67
Digboi Tinsukia Pipeline	1000	1000	75	75	525	482	52.50	48.20
Devangonthi Devanhalli Pipeline	660	660	36	36	257	221	38.94	33.48
BPCL	**12440**	**14140**	**1697**	**1907**	**9170**	**9722**	**73.71**	**68.75**
Mumbai Manmad Manglya Piyala Bijwasan(MS/SKO/HSD)	6000	6000	1389	1389	6025	6227	100.42	103.78
Bina Kota (MS/SKO/HSD)	4400	4400	259	259	2348	2548	53.35	57.92
Mumbai Refinery - Santacruz Airport (ATF)	1440	1440	15	15	676	771	46.95	53.54
Kochi Refinery - Kochi Airport (ATF)	600	600	34	34	121	176	20.22	29.26
KOTA JOBNER (MS/SKO/HSD)^^	-	1700	-	210	-	0	-	0.00
HPCL	**23020**	**26070**	**2446**	**2553**	**16127**	**15277**	**70.06**	**58.60**
Mumbai - Pune - Solapur Pipeline	4300	4300	508	508	3943	3565	91.70	82.92
Visakh - Vijayawada - Secunderabad Pipeline	5380	5380	572	572	4255	4354	79.09	80.92
Mundra - Delhi Pipeline	5000	5000	1054	1054	2863	3424	57.26	68.49
Ramanmandi - Bahadurgarh Pipeline	4710	4710	243	243	3878	2904	82.34	61.65
Ramanmandi - Bhatinda Pipeline	1130	1130	30	30	756	638	66.90	56.48
Awa-Salawas Pipeline	0	2300	0	93	0	21	0.00	0.89
Bahadurgarh-Tikrikalan Pipeline	0	750	0	14	0	8	0.00	1.07
Lube Oil Pipeline from Mumbai Refinery to Mazagaon terminal	1000	1000	17	17	338	291	33.80	29.10
Black Oil Pipeline from Mumbai Refinery to Vashi terminal	1500	1500	22	22	94	72	6.26	4.80
OIL: Numaligarh - Siliguri Pipeline	**1721**	**1721**	**654**	**654**	**1641**	**1806**	**95.35**	**104.94**
PCCK: Cochin - Coimbatore - Karur Pipeline	**3300**	**3300**	**293**	**293**	**2447**	**2458**	**74.15**	**74.48**
PHMB: Mangalore Hassan Bengaluru Pipeline	**2140**	**2140**	**364**	**364**	**3073**	**3141**	**143.60**	**146.78**
Total Petroleum Products Pipeline	**82011**	**86761**	**11811**	**12129**	**59180**	**59832**	**72.16**	**68.96**
Grand Total Pipeline**	**86541**	**92091**	**14117**	**14463**	**62815**	**63801**	**72.58**	**69.28**

*: PDPL capacity been taken as 3.00 MMTPA after commissioning of price mover at Panipat. **: Includes LPG Pipeline.

^^: Kota Jobner Pipeline is commissioned on 31.03.2015 & Mumbai Uran LPG Pipeline was commissioned on 31.10.2014

^: Jasidih terminal commissioned in 2014 in Haldia-Barauni pipleing with additon of 0.55 Km of mainline.

Source: Oil companies & CHT

III.10 Tonnage of Indian Tankers Fleet

	2008	2009	2010	2011	2012	2013	2014	2015
(1)	*(2)*	*(3)*	*(4)*	*(5)*	*(6)*	*(7)*	*(8)*	*(9)*
A. Coastal Trade (Oil Tankers)								
1. Product Carriers								
No. of tankers	12	14	13	13	14	13	14	14
DWT ('000' tonnes)	45	67	43	43	43	43	44	44
2. Crude Oil Carriers								
No. of tankers	2	2	2	2	2	1	2	3
DWT ('000' tonnes)	82	82	82	82	82	41	41	358
3. Offshore Supply Vessels								
No. of tankers	96	100	110	110	115	106	108	102
DWT ('000' tonnes)	118	123	133	134	134	113	115	110
4. Specialised vessels for offshore								
No. of tankers	36	36	38	38	38	38	38	36
DWT ('000' tonnes)	47	49	51	51	50	50	50	49
Total (1+2+3+4)								
No. of tankers	146	152	163	163	169	158	162	155
DWT ('000' tonnes)	293	321	308	310	310	247	250	560
B. Overseas Trade (Oil Tankers)								
5. Ore Oil Bulk Carriers								
No. of tankers	2	2	2	2	2	1	1	1
DWT ('000' tonnes)	169	169	169	169	169	46	46	46
6. Crude Oil Carriers								
No. of tankers	53	54	60	72	71	59	64	60
DWT ('000' tonnes)	5274	5264	5688	6665	6506	5661	5786	5608
7. Product Carriers								
No. of tankers	48	50	57	55	55	49	47	47
DWT ('000' tonnes)	2940	3303	3587	3474	3405	3266	3273	3313
8. LPG Carriers								
No. of tankers	16	14	9	8	9	9	9	8
DWT ('000' tonnes)	442	396	277	241	241	273	273	223
Total Overseas (5+6+7+8)								
No. of tankers	119	120	128	137	137	118	121	116
DWT ('000' tonnes)	8826	9132	9721	10549	10321	9246	9377	9190
Total Oil Tankers (A+B)								
No. of tankers	265	272	291	300	306	276	283	271
DWT ('000' tonnes)	9118.4	9452.9	10029.0	10859.2	10630.9	9493.6	9627.3	9749.7

DWT: Dead Weight Tonnage.

Source: Directorate General of Shipping, Mumbai.

III.11 Indian Tonnage as on 31.3.2015

(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)Pvt. Ltd.	493	872
6	Jaisu Shipping (P) Ltd.	1873	2808
7	K. Raghupathi Rao (Raghu)	65	0
8	M.Gangadhar Rao	36	0
9	Pratibha Shipping Co.Ltd.	30565	28610
10	Vamsee Shipping Carrier Pvt.Ltd.	1495	2238
11	Shree Krishna Quarry Pvt. Ltd.	708	0
	Total	**41436**	**43870**
Tankers (Crude Oil Carriers)			
1	The Shipping Corpn.of India Ltd.	190359	357757
2	Jadwet Trading Company	40	0
	Total	**190399**	**357757**
Offshore Supply Vessels			
1	Administration of U.T. of Lakshadweep	738	960
2	ARC Maritime Pvt. Ltd.	1591	1921
3	Albatross Shipping Agencies	2893	3798
4	Chandra Ship Management Pvt. Ltd.	285	0
5	Dolphin Offshore Shipping Ltd.	363	272
6	Damodar Marine Services Pvt. Ltd.	487	737
7	Dunnimaa Engineers & Divers Ent. P.Ltd.	639	627
8	Dolphin Offshore Shipping Ltd.	1008	491
9	Epsom Shipping (I) Pvt. Ltd.	921	1025
10	Samudrika Logistics Pvt. Ltd.	275	290
11	GAL Offshore Shipping	640	0
12	Bhambhani Shipping Ltd.	867	1060
13	Global Offshore Services Ltd.	867	1060
14	Shree Krishna Stevedors Pvt. Ltd.	867	1060
15	GOL Offshore Ltd.	11563	14841
16	Diplomat Marine	1221	1149
17	Greatship (India) Ltd.	4983	2416
18	Coastal Marine Const. & Engg. Ltd.	2101	1204
19	Hal Offshore Ltd.	1085	832
20	Hede Ferrominas(P) Ltd.	1332	1686
21	ITT Lines Pvt. Ltd.	1042	1207
22	Jayesh Shipping P. Ltd.	69	0
23	Hind Offshore Pvt. Ltd.	4916	2387
24	KEI-RSOS Maritime Ltd.	2779	2914
25	Mathew Meenathethil George	322	500
26	Oil & Natural Gas Corporation	18563	22288
27	Prince Marine Transport Services	3634	1172
28	PFS Shipping (India)Ltd.	3844	3842
29	Synergy Offshore Services	189	125
30	Raj Shipping Agencies Ltd.	4337	4759
31	The Shipping Corpn. Of India Ltd.	7841	6917
32	Samson Maritime Ltd.	4876	5443
33	Supreme Global Service Pvt.Ltd.	495	0
34	TAG Sea Logistics Ltd.	3939	4952
35	TAG Offshore Ltd.	9217	7605
36	Atlas Offshore Services Pvt. Ltd.	297	1018
37	Tarun Shipping & Industries Ltd.	1978	2172
38	S.R.Offshore Pvt. Ltd.	417	0
39	Lewek Alter Shipping Pvt. Ltd.	3601	0
40	Transtar Marine & Offshore Services	1078	0
41	Sambhulingam Marine Services	317	0
42	Asian Marine Supplier	104	0
43	S. S. Offshore Pvt. Ltd.	1310	1812
44	Mustan Tahderbhai Khanbhai	1310	1817
45	Mrs. Ishrat Johan W/o. Mr. Riaz Khan	140	15
46	Daniel Engineering Works & Ship Repairs	850	1000
47	Fugro Survey (India) Pvt. Ltd.	494	509
48	Sun Marine	1310	1758
49	Mr. Nikhil Kumar Dhali	189	0
	Total	**114184**	**109641**

Source: Directorate General of Shipping, Mumbai.

Cont'd...

III.11 Indian Tonnage as on 31.3.2015

(Figures in Tonnes)

Sl. No.	Owner of the ship	Gross Registered Tonnage	Dead Weight Tonnage
Specialised Vessels for Offshore Services			
1	Elcom Surveys	392	469
2	Hind Offshore Pvt. Ltd.	3114	1480
3	Jaisu Shipping Co. (P) Ltd.	99	99
4	National Institute of Ocean Technology	4862	0
5	National Institute of Ocenography, Goa	709	297
6	Oil & Natural Gas Corporation	45281	26469
7	Dolphin Offshore Shipping Ltd.	405	436
8	Raj Shipping Agencies Ltd.	715	915
9	Reliance Industries Ltd.	2421	3104
10	Safe & Sure Marine Services Pvt. Ltd.	490	826
11	K. Desai & Company	181	0
12	Sealion Sparkle Maritime Services Ltd.	136	14
13	South East Asia Marine Engg & Const. Ltd.	11211	6135
14	The Council of Scientific & Industrial Reserch	2661	800
15	The Dept. of Ocean Development	4582	1605
16	The Dir. Gen. of Light House & LightShip	5823	3083
17	The Geological Survey of India	2942	2005
18	Sea Rides Ship Management	1011	1142
	Total	**87035**	**48879**
Overseas Trade			
Ore Oil Bulk Carriers			
1	The Shipping Corpn.of India Ltd.	28029	45792
	Total	**28029**	**45792**
Oil Tankers (Crude Carriers)			
1	Chambal Fertilizers & Chemicals	342002	623836
2	Essar Shipping Ports & LogisticsLtd.	149274	281396
3	Great Eastern Shipping Co. Ltd.	323536	562607
4	Mercator Lines Ltd.	136977	234833
5	Pratibha Shipping Co.Ltd.	205806	364629
6	Peninsular Tankers Pvt. Ltd.	8228	15037
7	Seven Islands Shipping Ltd.	97373	114198
8	The Shipping Corpn.of India Ltd.	1742446	3152555
9	Varun Shipping Co.Ltd.	114263	213678
10	Arya Tankers Pvt. Ltd.	28414	44998
	Total	**3148319**	**5607767**
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.	571209	1000256
5	Mercator Lines	387744	675026
6	Pratibha Shipping Ltd.	45172	76881
7	Sanmar Shipping Ltd.	117250	203119
8	Seven Islands Shipping Ltd.	4473	7314
9	The Shipping Corpn. Of India Ltd.	668271	1133958
10	SCI Forbes Ltd.	34500	52489
11	Zen Shipping & Ports India Pvt. Ltd.	8253	14003
12	Doehle Danautic (I) Pvt. Ltd.	28226	45999
13	Arya Tankers Pvt. Ltd.	22848	35437
	Total	**1930898**	**3312797**
LPG Carriers			
1	The Shipping Corpn.of India Ltd.	35556	35202
2	Varun ShippingCo.Ltd.	200309	187978
	Total	**235865**	**223180**

Source: Directorate General of Shipping, Mumbai.

III.12 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	2008-09	54.05	20.31	37.60
	2009-10	46.30	10.08	21.80
	2010-11	47.43	11.65	24.60
	2011-12	43.24	8.58	19.80
	2012-13	39.88	6.90	17.30
	2013-14	41.38	6.82	16.50
	2014-15	46.29	6.13	13.24
Mumbai	2008-09	51.88	34.87	67.20
	2009-10	54.54	36.60	67.10
	2010-11	54.59	33.23	60.90
	2011-12	56.19	33.31	59.30
	2012-13	58.04	34.78	59.90
	2013-14	59.18	35.98	60.80
	2014-15	61.66	36.28	58.84
Chennai	2008-09	57.49	13.11	22.80
	2009-10	61.06	13.43	22.00
	2010-11	61.46	13.88	22.60
	2011-12	55.71	13.29	23.90
	2012-13	53.40	13.42	25.10
	2013-14	51.11	12.78	25.00
	2014-15	52.54	12.74	24.20
Cochin	2008-09	15.23	10.49	24.25
	2009-10	17.43	11.46	65.70
	2010-11	17.47	12.10	69.30
	2011-12	20.09	14.01	69.70
	2012-13	19.85	13.90	70.00
	2013-14	20.89	14.32	68.50
	2014-15	21.60	14.02	64.91
Kandla	2008-09	72.23	45.54	63.00
	2009-10	79.52	47.21	59.40
	2010-11	81.88	48.43	59.10
	2011-12	82.50	46.94	56.90
	2012-13	93.62	54.36	58.10
	2013-14	87.01	53.14	61.10
	2014-15	92.48	55.59	60.11
Visakhapatnam	2008-09	63.91	19.76	30.90
	2009-10	65.50	18.29	27.90
	2010-11	68.04	19.27	28.30
	2011-12	67.42	18.44	27.40
	2012-13	58.96	15.02	25.50
	2013-14	58.50	14.01	23.90
	2014-15	58.01	14.64	25.24
Mormugao	2008-09	41.68	0.90	2.20
	2009-10	48.85	0.96	2.00
	2010-11	50.02	0.94	1.90
	2011-12	39.00	0.92	2.40
	2012-13	17.69	0.82	4.60
	2013-14	11.74	0.53	4.50
	2014-15	14.71	0.57	3.87

Cont'd.....

III.12 Share of Traffic of Petroleum Products in the Total Traffic Handled at Major Ports

(Figures in Million Tonnes)

Name of the port	Year	Total Traffic	POL Traffic	POL as %age of total traffic at the port
(1)	(2)	(3)	(4)	(5)
J.N.P.T.	2008-09	57.28	5.37	9.40
	2009-10	60.75	6.08	10.00
	2010-11	64.30	5.13	8.00
	2011-12	65.75	4.93	7.50
	2012-13	64.50	4.29	6.70
	2013-14	62.33	4.41	7.10
	2014-15	63.80	4.03	6.32
Paradip	2008-09	46.41	3.24	7.00
	2009-10	57.01	11.65	20.40
	2010-11	56.03	12.85	22.90
	2011-12	54.25	15.09	27.80
	2012-13	56.55	16.47	29.10
	2013-14	68.00	17.70	26.00
	2014-15	70.94	17.97	25.33
Tuticorin (VOC Prot)	2008-09	22.01	0.50	2.30
	2009-10	23.79	0.51	2.10
	2010-11	25.73	0.74	2.90
	2011-12	28.10	0.84	3.00
	2012-13	28.26	0.79	2.80
	2013-14	28.64	0.48	1.70
	2014-15	32.41	0.61	1.88
New Mangalore	2008-09	36.69	21.33	58.10
	2009-10	35.53	21.34	60.10
	2010-11	31.55	21.55	68.30
	2011-12	32.94	22.25	67.50
	2012-13	37.04	24.30	65.60
	2013-14	39.37	24.65	62.60
	2014-15	36.57	22.97	62.81
Ennore	2008-09	11.50	0.36	3.10
	2009-10	10.70	0.40	3.70
	2010-11	11.01	0.59	5.40
	2011-12	14.96	0.50	3.30
	2012-13	17.89	1.12	6.30
	2013-14	27.34	2.34	8.60
	2014-15	30.25	3.19	10.55
Grand Total	2008-09	537.65	177.45	33.00
	2009-10	560.98	178.01	31.70
	2010-11	569.51	180.36	31.70
	2011-12	560.15	179.10	32.00
	2012-13	545.68	186.17	34.10
	2013-14	545.68	186.17	34.10
	2014-15	581.26	188.74	32.47

Source : Ministry of Shipping.

*: Provisional

III.13 Movement of POL Traffic on Railways

Year	Tonnes Originating	Earnings	Average Lead	Earnings	Average Freight
	(TMT)	('000' ₹.)	(Kms)	(Paise/Tonnes/Kms)	(₹./Tonne)
(1)	*(2)*	*(3)*	*(4)*	*(5)*	*(6)*
2007-08	35879	29364077	652	125.50	818.42
2008-09	38078	30511602	631	127.00	801.29
2009-10	38884	31890095	639	128.20	820.13
2010-11	39293	33537646	664	128.60	853.53
2011-12	39774	36236428	656	138.90	911.06
2012-13	40607	47178574	692	168.01	1161.83
2013-14	41159	53439517	723	179.69	1298.37
2014-15	42730	57057500	653	204.37	1335.3

Note: Provisional - for the year 2014-15 based on St. 7A incl. K R C L . Figures from 2007-08 to 2013-14 based on annual ST.13.

Source : Railway Board

III.14 Rail Freight Rates in respect of Petroleum Products

(Figures in ₹ . /Tonne)

Effective Dates	Distance in Kilometres							
	100	300	500	800	1000	1500	2000	2500
(1)	*(2)*	*(3)*	*(4)*	*(5)*	*(6)*	*(7)*	*(8)*	*(9)*
01.04.2007	175.10	413.10	647.20	1007.60	1243.00	1835.00	2302.40	2615.80
01.04.2008	166.80	393.40	616.40	959.60	1183.80	1747.60	2192.80	2491.20
01.04.2009	166.80	393.40	616.40	959.60	1183.80	1747.60	2192.80	2491.20
01.04.2010	166.80	393.40	616.40	959.60	1183.80	1747.60	2192.80	2491.20
01.04.2011	166.80	405.00	640.80	998.00	1231.20	1817.60	2280.60	2590.80
01.04.2012	200.20	486.00	769.00	1197.60	1477.40	2181.20	2736.80	3109.00
01.04.2013	211.80	514.00	813.60	1267.00	1563.20	2367.60	2896.60	3289.40
10.10.2013	215.40	522.60	827.20	1288.00	1589.00	2346.00	2944.00	3344.20
25.06.2014	257.80	556.40	880.80	1371.40	1692.20	2497.80	3134.40	3560.60
01.04.2015	255.20	550.80	871.90	1357.70	1675.30	2472.80	3103.00	3524.90

Source : Railway Board

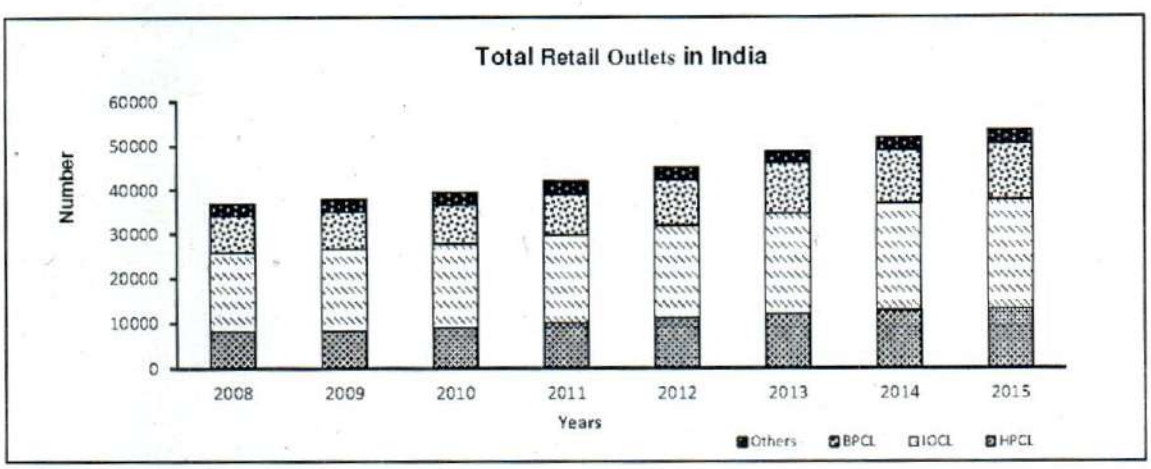
III.15 Total Retail Outlets in India

(Figures in Number)

Year	Retail Outlets*	BPCL	HPCL	IOC	Others	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
2008	Nos.	8238	8329	17534	2820	36921
	%	22.3	22.6	47.5	7.6	100.0
2009	Nos.	8389	8419	18140	3005	37953
	%	22.1	22.2	47.8	7.9	100.0
2010	Nos.	8692	9127	18643	2969	39431
	%	22.0	23.1	47.3	7.5	100.0
2011	Nos.	9289	10212	19463	2983	41947
	%	22.1	24.3	46.4	7.1	100.0
2012	Nos.	10310	11253	20575	2966	45104
	%	22.9	24.9	45.6	6.6	100.0
2013	Nos.	11637	12173	22372	2487	48669
	%	23.9	25.0	46.0	5.1	100.0
2014	Nos.	12123	12869	23993	2883	51868
	%	23.4	24.8	46.3	5.6	100.0
2015	Nos.	12809	13233	24405	2972	53419
	%	24.0	24.8	45.7	5.6	100.0

Source: Public Sector Undertakings.

*: As on 1st April.



III.16 State-wise Number of Retail Outlets, LDO/SKO Dealers and LPG Distributors

(Figures in Number)

State / UT	As on 31.03.2015		
	Retail Outlets	LDO/SKO Dealers	LPG Distributors
(1)	*(2)*	*(3)*	*(4)*
STATES			
Andhra Pradesh	2815	393	753
Arunachal Pradesh	71	33	49
Assam	760	359	374
Bihar	2385	372	933
Chhattisgarh	1041	108	321
Delhi	394	117	317
Goa	111	22	51
Gujarat	3050	480	662
Haryana	2419	141	384
Himachal Pradesh	382	26	154
Jammu & Kashmir	475	47	206
Jharkhand	1082	87	373
Karnataka	3737	325	816
Kerala	1932	237	526
Madhya Pradesh	3005	285	1074
Maharashtra	5207	769	1549
Manipur	83	36	63
Meghalaya	179	35	43
Mizoram	33	19	54
Nagaland	68	19	47
Orissa	1463	177	465
Punjab	3248	241	642
Rajasthan	3465	252	909
Sikkim	46	12	13
Tamil Nadu	4617	468	1083
Telangana	2086	203	572
Tripura	64	40	52
Uttar Pradesh	6248	696	2389
Uttarakhand	513	73	213
West Bengal	2178	458	784
UNION TERRITORIES			0
Andaman & Nicobar	9	1	5
Chandigarh	41	12	27
Dadra & Nagar Haveli	31	2	2
Daman & Diu	31	5	2
Lakshadweep	0	0	1
Pondicherry	150	8	22
Grand Total	**53419**	**6558**	**15930**

Source: Public Sector Undertakings.

III.17 State-wise and Company-wise Retail Outlets

(Figures in Number)

State / UT	As on 31.03.2015					Total as on 31.03.2014
	IOCL	HPCL	BPCL	TOTAL PSUs Outlets	TOTAL Outlets	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
STATES						
Andhra Pradesh	1130	877	684	2691	2815	5281
Arunachal Pradesh	48	0	7	55	71	71
Assam	494	87	121	702	760	753
Bihar	1295	452	571	2318	2385	2316
Chhattisgarh	456	308	256	1020	1041	998
Delhi	190	97	107	394	394	403
Goa	29	36	46	111	111	109
Gujarat	1187	684	710	2581	3050	2910
Haryana	1285	645	370	2300	2419	2333
Himachal Pradesh	212	103	60	375	382	361
Jammu & Kashmir	217	128	130	475	475	469
Jharkhand	480	237	304	1021	1082	1062
Karnataka	1774	859	938	3571	3737	3620
Kerala	843	566	444	1853	1932	1900
Madhya Pradesh	1200	749	842	2791	3005	2873
Maharashtra	1778	1489	1606	4873	5207	5025
Manipur	68	0	11	79	83	80
Meghalaya	109	22	36	167	179	175
Mizoram	28	3	1	32	33	32
Nagaland	45	3	8	56	68	68
Orissa	699	295	391	1385	1463	1438
Punjab	1648	869	600	3117	3248	3229
Rajasthan	1519	945	775	3239	3465	3327
Sikkim	16	7	22	45	46	44
Tamil Nadu	1983	1152	1287	4422	4617	4540
Telangana #	865	605	534	2004	2086	0
Tripura	60	0	1	61	64	63
Uttar Pradesh	3287	1315	1256	5858	6248	6013
Uttarakhand	231	157	103	491	513	505
West Bengal	1100	472	536	2108	2178	2183
UNION TERRITORIES						
Andaman & Nicobar	9	0	0	9	9	9
Chandigarh	20	11	10	41	41	41
Dadra & Nagar Haveli	11	11	4	26	31	27
Daman & Diu	11	10	7	28	31	31
Lakshadweep	0	0	0	0	0	0
Puducherry	78	39	31	148	150	150
Grand Total	**24405**	**13233**	**12809**	**50447**	**53419**	**52439**

#:Telangana state was formed in FY 2014-15. The data for AndhraPradesh has been bifurcated accordingly. For previous year Nil figures is taken for Telangana and Andhra Pradesh includes data for both parts.

Source: Public Sector Undertakings.

III.18 State-wise and Company-wise LPG Domestic Consumers

(Figures in Number)

State / UT	As on 31.03.2015				Total as on 31.03.2014
	IOCL	HPCL	BPCL	TOTAL	
(1)	*(2)*	*(3)*	*(4)*	*(5)*	*(6)*
STATES					
Andhra Pradesh	4202930	5350071	2262439	11815440	18783066
Arunachal Pradesh	239687	0	4558	244245	223809
Assam	3138763	94700	264204	3497667	3151161
Bihar	3647211	1403134	1330109	6380454	5496300
Chhattisgarh	1077135	648495	282709	2008339	1728690
Delhi	3957921	834425	1354134	6146480	5912893
Goa	14702	357738	186573	559013	543383
Gujarat	4361183	1751739	1987837	8100759	7700341
Haryana	2470639	1077474	1762877	5310990	4940059
Himachal Pradesh	1573075	210137	133168	1916380	1757739
Jammu & Kashmir	623524	1341503	209509	2174536	1999980
Jharkhand	1330825	434312	282156	2047293	1863930
Karnataka	4531066	3662631	2635580	10829277	9844761
Kerala	4501009	1501487	2484719	8487215	7858025
Madhya Pradesh	3911315	2125305	1697709	7734329	7003919
Maharashtra	2768819	9382574	9641649	21793042	20308317
Manipur	390028	0	0	390028	360571
Meghalaya	184500	0	4493	188993	179524
Mizoram	293261	0	0	293261	278623
Nagaland	230487	136	2200	232823	221341
Orissa	1221541	1176781	718733	3117055	2615036
Punjab	4346608	1441893	1760487	7548988	6826245
Rajasthan	3831707	2499540	2481895	8813142	7904795
Sikkim	157559	0	0	157559	136413
Tamil Nadu	10091896	2618063	4334077	17044036	16363832
Telangana #	3748393	3298975	2224249	9271617	0
Tripura	450370	0	0	450370	404711
Uttar Pradesh	12651754	3411288	5384838	21447880	19217619
Uttarakhand	1900250	158495	374030	2432775	2290054
West Bengal	6421689	2187518	1845076	10454283	9371739
UNION TERRITORIES					0
Andaman & Nicobar	86026	0	0	86026	81539
Chandigarh	266433	85198	56678	408309	391708
Dadra & Nagar Haveli	0	72139	0	72139	64718
Daman & Diu	0	43386	25414	68800	64098
Lakshadweep	4512	0	0	4512	2629
Puducherry	138685	142631	92895	374211	367191
GRAND TOTAL	**88765503**	**47311768**	**45824995**	**181902266**	**166258759**

#: Telangana state was formed in FY 2014-15. The data for Andhra Pradesh has been bifurcated accordingly. For previous year Nil figures in taken for Telangana and Andhra Pradesh includes data for both parts.

Source: Public Sector Undertakings.

III.19 State-wise and Company-wise LPG Distributors

(Figures in Number)

State / UT	As on 31.03.2015				Total as on 31.03.2014
	IOCL	HPCL	BPCL	TOTAL	
(1)	*(2)*	*(3)*	*(4)*	*(5)*	*(6)*
STATES					
Andhra Pradesh	319	261	173	753	1277
Arunachal Pradesh	48	0	1	49	43
Assam	305	24	45	374	339
Bihar	460	229	244	933	747
Chhattisgarh	151	101	69	321	246
Delhi	192	48	77	317	318
Goa	6	28	17	51	53
Gujarat	350	161	151	662	607
Haryana	197	76	111	384	379
Himachal Pradesh	121	17	16	154	144
Jammu & Kashmir	108	73	25	206	180
Jharkhand	216	85	72	373	295
Karnataka	364	247	205	816	705
Kerala	257	113	156	526	475
Madhya Pradesh	515	286	273	1074	866
Maharashtra	343	594	612	1549	1375
Manipur	63	0	0	63	55
Meghalaya	40	0	3	43	37
Mizoram	54	0	0	54	45
Nagaland	41	1	5	47	39
Orissa	194	169	102	465	370
Punjab	359	121	162	642	577
Rajasthan	415	263	231	909	790
Sikkim	13	0	0	13	10
Tamil Nadu	606	211	266	1083	995
Telangana #	249	160	163	572	0
Tripura	52	0	0	52	44
Uttar Pradesh	1243	479	667	2389	1931
Uttarakhand	147	19	47	213	194
West Bengal	472	170	142	784	701
UNION TERRITORIES				0	0
Andaman & Nicobar	5	0	0	5	5
Chandigarh	18	5	4	27	27
Dadra & Nagar Haveli	0	2	0	2	2
Daman & Diu	0	2	0	2	2
Lakshadweep	1	0	0	1	1
Puducherry	10	7	5	22	22
Grand Total	**7934**	**3952**	**4044**	**15930**	**13896**

#:Telangana state was formed in FY 2014-15. The data for AndhraPradesh has been bifurcated accordingly. For previous year Nil figures is taken for Telangana and Andhra Pradesh includes data for both parts.

Source: Public Sector Undertakings.

III.20 State-wise and Company-wise SKO/LDO Dealerships

(Figures in Number)

State / UT	As on 31.03.2015				Total as on 31.03.2014
	IOCL	HPCL	BPCL	TOTAL	
(1)	(2)	(3)	(4)	(5)	(6)
STATES					
Andhra Pradesh	171	175	47	393	603
Arunachal Pradesh	33	0	0	33	33
Assam	359	0	0	359	359
Bihar	284	37	51	372	372
Chhattisgarh	61	39	8	108	109
Delhi	79	23	15	117	116
Goa	8	7	7	22	21
Gujarat	276	127	77	480	493
Haryana	78	41	22	141	142
Himachal Pradesh	18	3	5	26	26
Jammu & Kashmir	35	8	4	47	47
Jharkhand	57	13	17	87	86
Karnataka	181	94	50	325	322
Kerala	135	72	30	237	242
Madhya Pradesh	164	63	58	285	279
Maharashtra	303	260	206	769	774
Manipur	36	0	0	36	36
Meghalaya	35	0	0	35	35
Mizoram	19	0	0	19	19
Nagaland	19	0	0	19	19
Orissa	105	47	25	177	177
Punjab	135	71	35	241	241
Rajasthan	116	103	33	252	250
Sikkim	10	0	2	12	12
Tamil Nadu	270	139	59	468	465
Telangana #	109	69	25	203	0
Tripura	40	0	0	40	40
Uttar Pradesh	408	138	150	696	695
Uttarakhand	46	12	15	73	72
West Bengal	314	89	55	458	469
UNION TERRITORIES	0				0
Andaman & Nicobar	1	0	0	1	1
Chandigarh	7	3	2	12	12
Dadra & Nagar Haveli	1	0	1	2	2
Daman & Diu	3	0	2	5	5
Lakshadweep	0	0	0	0	0
Puducherry	3	5	0	8	8
Grand Total	**3919**	**1638**	**1001**	**6558**	**6582**

#:Telangana state was formed in FY 2014-15. The data for AndhraPradesh has been bifurcated accordingly. For previous year Nil figures is taken for Telangana and Andhra Pradesh includes data for both parts.

Source: Public Sector Undertakings.

III.21 State-wise PDS SKO Kerosene allocated and Quantity Uplifted

(Figures in MTs)

State	2013-14		2014-15	
	PDS SKO allocation	Uplifitment	PDS SKO allocation	Uplifitment
Andaman & Nicobar Islands	5379	4459	4987	4377
Andhra Pradesh**	362643	362714	249479	239505
Arunachal Pradesh	8933	8909	8918	8887
Assam	255226	255164	255194	255127
Bihar	633516	626614	632657	625888
Chandigarh	2746	2694	2587	1839
Chhattisgarh	140134	135564	136800	130330
Dadra & Nagar Haveli	1774	1774	1588	1588
Daman and Diu	682	654	682	672
Delhi	41575	8302	0	0
Goa	4081	4081	4081	4081
Gujarat	524059	523832	521986	521766
Haryana	71019	69159	70151	69394
Himachal Pradesh	19191	19139	19172	19121
Jammu and Kashmir *	73695	73167	70193	67210
Jharkhand	209108	207632	208511	208021
Karnataka	406917	406568	406823	392482
Kerala	93535	93532	93525	93525
Lakshadweep	784	784	784	784
Madhya Pradesh	486901	480891	486826	456950
Maharashtra	568454	568181	541513	541288
Manipur	19430	19427	19424	19331
Meghalaya	20190	20189	20190	20180
Mizoram	6070	6060	5771	5771
Nagaland	13307	13289	13298	13298
Odisha	310496	309362	309479	308261
Puducherry	3455	3437	3381	3306
Punjab	70142	66974	69777	69043
Rajasthan	395925	389288	393217	386870
Sikkim	4940	4938	4940	4940
Tamil Nadu	271359	271361	271359	271349
Telangana**	-	-	113155	124154
Tripura	30490	30489	30490	30490
Uttar Pradesh	1237354	1236039	1236878	1233842
Uttrakhand	28146	27846	27950	27786
West Bengal	749827	748460	749089	747767
Total	**7066104**	**6996514**	**6979868**	**6904846**

*: Allocation for Jammu and Kashmir includes separate allocation of 3600 MT for Laddakh region. $ No allocation has been made to NCT of Delhi effective 1st October, 2013 since declared Kerosene Free City.

**: Telangana State was carved out of Andhra Pradesh and formed on 01.06.2014, there was NIL PDS SKO allocation from MoP&NG for the State during the first Quarter of 2014-15. However, 16,164 (12,579 MT) of PDS SKO allocation was transferred from Andhra Pradesh to Telangana during the first quarter and this quantity was sold during the month of June, 2015 in the State of Telangana.

III.22 LPG Marketing in India

Item	Unit	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Consumption (PSU/Pvt)	(TMT)	12191	13135	14332	15350	15603	16336	18019
LPG Customers (PSUs) @	(Lac)	1068	1163	1269	1387	1523	1663	1819
LPG Distributors (PSUs) @	(No.)	9366	9686	10541	11489	12610	13896	15930
LPG Markets (PSUs) @	(No.)	4420	4599	4866	4990	5105	5245	5485
Enrolment	(Lac)	53.2	86.2	104.2	122.7	132	159	163
Indigenous Production (PSU/Pvt)	(TMT)	9170	10336	9623	9554	9829	10031	9840
of which								
(a) Refineries	(TMT)	6996	8091	7541	7333	7694	7890	7662
(b) Fractionators	(TMT)	2162	2249	2168	2214	2130	2140	2178
Imports (PSU/Pvt)	(TMT)	2360	2718	4484	5035	6286	6610	8334
Bottling Capacity @	(TMTPA)	8967	11569	11889	12723	13458	14345	14044

*: Provisional @: Year end position .

Source: Petroleum Planning & Analysis Cell.

III.23 CNG activities in India as on 31.03.2015

State	State	No. of Companies	CNG Sales (TMT)			No. of CNG Stations	No. of CNG Vehicles (in Lakhs)
			2012-13	2013-14	2014-15 (P)		
(1)	*(2)*	*(3)*	*(4)*	*(5)*	*(6)*	*(7)*	*(8)*
GAIL Gas/ Adani Energy/ Gujrat Gas,GSPC, GGCL, SGL,HPCL	Gujarat	7	441.80	463.50	475.90	349	996280
Indraprastha Gas (IGL) New Delhi	Delhi	1	695.10	697.60	717.10	326	773210
GAIL Gas	Rajasthan (Kota)	1	0.80	1.60	2.60	211	500666
Mahanagar Gas Ltd.(MGL) Mumbai, MNGL Pune.	Maharashtra	3	425.10	476.00	531.40	33	31692
Bhagyanagar Gas Ltd.(BGL) Hyderabad.	Andhra Pradesh	1	24.70	24.60	25.80	3	4000
Green Gas Ltd. (Lucknow), CUGL(Kanpur)	Uttar Pradesh	4	137.70	162.60	184.80	40	92592
Tripura Natural Gas Co. Ltd.(TNGCL) Agartala.	Tripura	1	4.30	6.80	9.50	5	6936
Avantika Gas (Indore) / GAIL Gas Ltd.	Madhya Pradesh	2	14.50	15.90	16.60	20	20255
Ltd.	Haryana	3	73.20	78.20	72.30	16	122070
GEECL	West Bengal	1	0.60	1.15	1.24	7	2275
Total		19*	**1817.80**	**1927.95**	**2037.24**	**1010**	**2549976**

Note: *Gail Gas is operating in 5 States and Adani Gas in two States. Hence, their number is taken once only.

Source : CGD Companies & PPAC

III.24 PNG Status as on 31.03.2015

State	City Covered	Company	Domestic PNG	Comm. PNG	Ind. PNG
Delhi	Delhi, Noida, Greator Noida, Ghaziabad.	IGL	560752	1560	726
Maharashtra	Mumbai, Thane, Mira-Bhayandar, Navi Mumbai, Pune, Kalyan, Ambernath, Panvel, Bhiwandi	MGL, MNGL	817468	2654	154
Gujrat.	Ahemedabad, Baroda, Surat, Ankeleshwar	GSPC, SABARMATI GAS, GUJRAT GAS, HPCL, VMSS,ADANI GAS	1392657	16496	3869
Uttar Pradesh	Agra, Kanpur, Bareilly, Lucknow,	Green Gas Ltd. (Lucknow), CUGL(Kanpur)	22559	187	464
Tripura	Agartala	TNGCL	17996	294	47
Madhya Pradesh	Dewas, Indore, Ujjain, Gwalior	GAIL GAS, AGL	3278	34	75
Rajasthan	Kota	GAIL GAS	189	1	18
Assam	Tinsukia, Dibrugarh, Sibsagar.Jorhat	ASSAM GAS CO. LTD	28050	991	377
Andhra Pradesh	Kakinada, Hyderabad,Vijaywada,Rajamundry	BGL	3163	46	3
Haryana	Sonepat, Gurgaon, Faridabad	GAIL GAS, ADANI GAS, HARYANA CITY GAS	23236	93	185
Total			**2869348**	**22356**	**5918**

Source : CGD Companies & PPAC

III.25 Introduction to Green Fuels in India

Product	Effective Date	Areas Covered
(1)	*(2)*	*(3)*
Bio Diesel	01.01.2006	20 purchase centres have been nominated: For Andhra Pradesh, Jharkhand & Odisha – Ghatkesar ; Chhattisgarh – Mandirhasaud ; Delhi – Biijwasan ; Gujarat – Kandla ; Haryana – Rewari ; Karnataka – Devangunthi & Mangalore ; Madhya Pradesh – Mangliagaon ; Maharashtra – Manmad, Borkhedi, Loni & Vashi ; Punjab – Bhatinda ; Rajasthan – Sanganer & Salawas ; Tamil Nadu – Korruupet, Narimanam & Karur ; Uttar Pradesh & Uttarakhand – Panki & Amousi
Ethanol Blended Petrol (EBP)	20.09.2006*	20 States: A.P., Bihar, Chhattisgarh, Delhi, Goa, Gujarat, Haryana, H.P., Jharkhand, Karnataka, Kerala, M.P., Maharashtra, Orissa, Punjab, Rajasthan, T.N., Uttarakhand, U.P & West Bengal and 4 UTs: Chandigarh, Daman &Diu, Dadar & Nagar Haveli & Pondicherry.
	02.01.013	As per MoPNG Gazette Notification No. G.S.R. 4(E). dated 02.01.2013, Oil Marketing Companies shall sell Ethanol-blended–petrol with percentage of ethanol up to ten per cent and as per the Bureau of Indian Standard Specification to achieve five per cent ethanol blending across the Country as a whole.
MS(BS-IV) &HSD (BS IV)	01.04.2010	Delhi & NCR, Mumbai, Kolkata, Chennai, Bengaluru, Hyderabad, Kanpur, Agra, Pune, Surat, Ahmedabad, Lucknow, Sholapur.
	01.01.2012	Puducherry, Mathura
	01.02.2012	Jamnagar, Vapi
	01.03.2012	Ankleshwar, Hissar , Bharatpur
	01.07.2012	Silvasa, Daman, Diu
	01.10.2012	Aligarh, Rae Bareilly, Unnao
	01.03.2013	Valsad, Karnal, Kurukshetra , Yamuna Nagar
	01.07.2013	Nizamabad, Medak, Mehboobnagar
	01.01.2014	Mahabaleshwar, Ahmednagar, Hindaun, Dholpur, Kosi Kalan, Vrindavan
	15.3.2015	Lonawala, Palgarh, Dahanu, Talasari, Boisar, Panchgani, Mahad, Nagothana, Indapur, Vizag, Kochi, Thiruvananthapuram, Kavaratti, Nagr, Dig, Nadbai, Bhiwani, Jind, Mahendragarh, Hansi, Charki Dadri, Narnaul, Kiruli and Fatehpur Sikri.
	1.4.2015	The whole of Northern India covering Jammu & Kashmir, (except Leh/Kargil and 7 districts of J&K), Punjab, Haryana,-Himachal Pradesh, Uttarakhand, Chandigarh, Delhi and the bordering districts in Rajasthan and Western Uttar Pradesh.
	15.4.2015	The relevant districts of Rajasthan are Bharatpur, Alwar, Hanumangarh and 7 additional districts of Uttar Pradesh (Pilibhit, Shamli, Sambhal, Farrukhabad, Kannauj, Auraiya and Kasganj)
	1.5.2015	7 districts of J&K (Pulwama, Baramullah, Badgam, Srinagar, Kudwara, Bandipora and Ganderbal)
MS (BS-III) & HSD (BS-III)	01.04.2010	Goa
	16.05.2010	Chhattisgarh, Andaman & Nicobar
	31.05.2010	Madhya Pradesh, Maharashtra
	16.05.2010	Andaman & Nicobar
	16.06.2010	Punjab, Rajasthan, Chandigarh, Orissa, Sikkim, West Bengal, Haryana, Uttarakhand, Himachal Pradesh, Gujarat, U T of Dadara & Nagar Haveli and Daman & Dieu.
	30.06.2010	Western UP, Andra Pradesh, Tamil Nadu, Puducherry, Jammu & Kashmir(other than Leh & Kargil)
	16.07.2010	Leh & Kargil
	16.09.2010	Eastern UP, Bihar & Jharkhand
	31.07.2010	Karnataka
	16.09.2010	Kerala, including, UT of Lakshadweep & Puducherry area fed Ex- Kerala.
	22.09.2010	Arunachal Pradesh, Assam, Manipur Meghalaya, Mizoram, Nagaland, & Tripura.

Note: *:Vide Notification No. GSR-580(E) dated 20.09.2006 MoPNG decided to introduce Ethanol Blended Petrol(EBP) in 2006 States and 4 UTs subject to commercial viability. Supplies to Leh, Ladakh, Kargil & some parts of Kashmir, which are open only during May to September of the Year, conversion would be possible only from 1.10.2010, as replenishments to these areas can start only from mid May, 2010.

Source: Petroleum Planning & Analysis Cell.

Prices

IV.1. Wholesale Price Indices of Selected Petroleum Products

(Base year 2004-05 =100)

Products	Weight(%)	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
(1)	*(2)*	*(3)*	*(4)*	*(5)*	*(6)*	*(7)*	(8)	(9)
Light Distillates								
LPG	0.91468	117.23	111.85	125.90	143.17	158.52	167.97	169.07
Petrol	1.09015	128.32	119.33	143.02	174.41	186.26	192.58	182.11
Naphtha	0.79078	179.37	172.76	204.02	257.87	283.57	302.25	267.63
Middle Distillates								
Kerosene	0.73619	99.90	99.90	127.19	154.42	162.87	166.48	155.17
Aviation Turbine Fuel	0.25545	194.54	137.03	164.92	229.44	257.89	274.04	241.02
High Speed Diesel Oil	4.67020	135.82	132.97	151.72	164.54	183.36	217.84	223.27
Light Diesel Oil	0.11889	178.31	161.47	192.49	252.03	275.73	302.45	261.99
Heavy Ends								
Furnace Oil	0.46505	197.89	187.58	223.68	304.64	337.82	351.07	299.09
Lubricating Oil	0.16785	171.12	174.50	192.56	230.40	244.57	259.48	271.77
Bitumen	0.15515	257.00	238.04	249.42	304.27	319.68	389.96	370.66
Total Petroleum Products (Mineral Oils)	**9.36439**	**141.84**	**135.75**	**157.47**	**184.02**	**202.45**	**225.95**	**219.64**
Crude Petroleum	**0.90028**	**149.66**	**181.37**	**202.81**	**294.45**	**318.21**	**344.28**	**279.50**
All commodities	**100.00000**	**126.02**	**130.81**	**143.32**	**156.13**	**167.62**	**177.64**	**181.19**

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

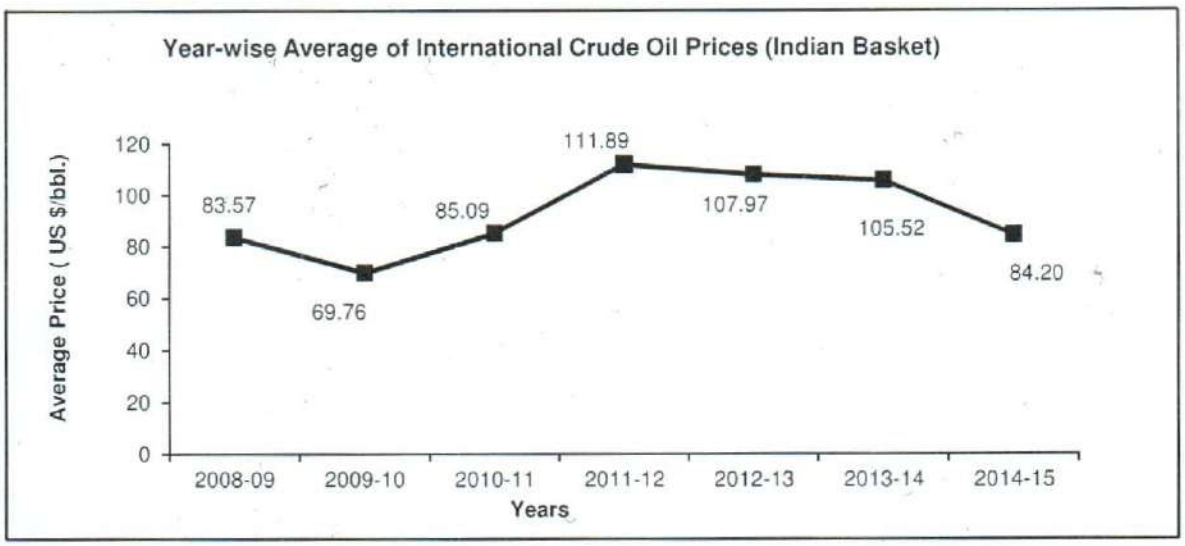
IV.2 Month & Year-wise Average of International Crude Oil Prices (Indian Basket)

(Price in US$/bbl.)

Year/Month	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	% Growth *
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
April	105.77	50.14	84.13	118.79	117.98	101.57	105.56	3.92
May	120.91	58.00	76.11	110.70	108.05	101.10	106.85	5.69
June	129.72	69.12	74.36	109.99	94.51	101.11	109.05	7.86
July	132.47	64.83	73.54	112.53	100.34	104.86	106.28	1.35
August	113.05	71.98	75.13	106.94	110.07	108.45	101.89	-6.05
September	96.81	67.70	76.09	108.79	111.77	109.47	96.96	-11.43
October	69.12	73.07	81.11	106.11	109.79	107.37	86.83	-19.13
November	50.91	77.39	84.26	109.62	107.87	106.55	77.58	-27.19
December	40.61	75.02	89.78	107.20	107.28	108.72	61.21	-43.70
January	44.02	76.61	93.87	110.47	109.55	105.29	46.58	-55.76
February	43.22	73.65	101.16	117.67	112.68	106.19	56.43	-46.86
March	46.02	78.02	110.72	123.61	106.45	105.30	55.18	-47.60
Year Average	**83.57**	**69.76**	**85.09**	**111.89**	**107.97**	**105.52**	**84.20**	-20.20

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

Source: Petroleum Planning & Analysis Cell



IV.3 International prices of crude oil and major petroleum Products

Period	Crude Oil (Indian Basket)	Petrol	Diesel	Kerosene	LPG
	($/BBL)				($/MT)
(1)	(2)	(3)	(4)	(5)	(6)
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	885.20
2013-14	105.52	114.31	119.41	118.80	880.49
2014-15	84.20	95.45	96.64	96.98	683.87

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

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

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

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

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

Source: International Trade Department, IOCL & PPAC.

IV. 4 Weighted Average Crude Oil Prices

(Figures in ₹./MT)

Year		Basic Price	Royalty	OID Cess	Sales Tax/VAT/CST
(1)	(2)	(3)	(4)	(5)	(6)
2008-09	Offshore crude	30507	2568	2500	878
	Onshore crude	28354	4335	2500	1091
	Offshore and Onshore crude	29796	3152	2500	948
2009-10	Offshore crude	26187	2128	2500	722
	Onshore crude	24233	3670	2500	931
	Offshore and Onshore crude	25530	2633	2500	791
2010-11	Offshore crude	31525	2664	2500	846
	Onshore crude	28829	4411	2500	1109
	Offshore and Onshore crude	30614	3255	2500	935
2011-12	Offshore crude	42902	3636	2500/4500*	1356
	Onshore crude	41143	6327	2500/4500*	1932
	Offshore and Onshore crude	42293	4567	2500/4500*	1555
2012-13	Offshore crude	46134	3933	4500	1385
	Onshore crude	43656	6728	4500	2034
	Offshore and Onshore crude	45295	4880	4500	1605
2013-14	Offshore crude	49911	4235	4500	1654
	Onshore crude	45600	7037	4500	2128
	Offshore and Onshore crude	48504	5149	4500	1809
2014-15	Offshore crude	40129	3392	4500	1294
	Onshore crude	37089	5685	4500	1727
	Offshore and Onshore crude	39215	4081	4500	1425

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

2. VAT/CST and Royalty are worked out based on Gross (Pre-discount) Price. However, the above levies are actually paid on post- discount) Price . 3. Royalty and OID Cess are production levies and are part of cost.

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

Source: ONGC

IV.5 Consumer and Producer Prices of Natural Gas

(Figures in ₹./'ooo' cubic metre)

Effective Date	Consumer Prices		Producer Prices			Calorific Value (K. Cal / SCM) #
	Off-shore (Landfall point) and On-shore	For North-Eastern States	ONGC	ONGC (North-East States)	OIL (North-East States)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
01.04.2008	3200	1920	3200	1920	3200	10000
01.04.2009	3200	1920	3200	1920	3200	10000
01.04.2010	3200	1920	3200	1920	3200	10000
01.04.2011	7499	4499	7498	7498	7499	10000
01.04.2012	8387	5032	8387	8387	8387	10000
01.04.2013	9067	5440	9067	9067	9067	10000
01.04.2014	10168	6101	10168	10168	10168	10000
01.11.2014	12292	7375	12292	12292	12292	10000
01.04.2015	11548	6929	11548	11548	11548	10000

Notes: 1.Price of APM gas upto 31.05.2010 was exclusive of royalty/levies.

2. W.e.f. 04.06.2010, GOI has revised the Producer price of Natural Gas to USD 4.2/mmbtu less royalty. Consumer Price forNE state is 60% of the producer price. The difference of Producer price and consumer price in NE is paid to ONGC/OIL from Govt. Budget

3. Government notified New Domestic Gas Pricing Guidelines, 2014 on 25.10.2014, which are made effective from 01.11.2014. As per new guidelines, Domestic Gas Price is: (a) USD 5.05/mmbtu on GCV basis from 01.11.2014 to 31.03.2015 (b) USD 4.66/mmbtu on GCV basis from 01.04.2015 to 30.06.2015

4. # Gas price prior to 01.11.2014 was on Net Calorific Value (NCV) basis. As per new guidelines dated 25.10.2014, effective from 01.11.2014, gas price is on Gross Calorific Value (GCV) basis.

5. From 01.04.2011 onwards, Consumer Price/Producer price in Rs./MSCM is worked out considering average FE Rate (RBI Reference Rate) of previous Month.

Source: ONGC, OIL

IV.6 Rates of Dealers' Commission for MS, HSD and LPG in India

Effective Date	MS	HSD	Effective Date	LPG (Packed Domestic)	
	(₹./Kilolitre)			14.2 Kg	5Kg
				(₹./Cylinder)	
(1)	(2)	(3)	(4)	(5)	(6)
23.05.2008	1052	631	04.06.2008	20.54	10.58
27.10.2009	1125	673	30.06.2009	21.94	11.30
07.09.2010	1218	757	-	-	-
01.07.2011	1499	912	01.07.2011	25.83	13.30
27.10.2012	1794	1089	07.10.2012	37.25	18.63
21.12.2013	Rs. 1390.15/ KL + 0.883% of Product Billable price	1186	11.12.2013	40.71	20.36
23.10.2014	Rs. 1499.37/ KL + 0.887% of Product Billable price	Rs. 1116.09/KL + 0.29% of Product Billable price	23.10.2014	44.06	22.03

Notes:

(i) : Licence Fee Recovery may be recovered for 'A' Site @ Rs.43/KL and RS.36/KL and for'B' Site @Rs. 13/KL and Rs.11/KL for MS and HSD respectively.

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

Source: PPAC

IV.7 Subsidies provided under Budget of Government of India

Sector	Actuals 2008-09	Actuals 2009-10	Actuals 2010-11	Actuals 2011-12	Actuals 2012-13	Actuals 2013-14	Budget 2014-15	Revised 2014-15	Budget 2015-16
(1)	*(2)*	*(3)*	*(4)*	*(5)*	*(6)*	*(7)*	*(8)*	*(9)*	*(10)*
				(Figures in . Crore)					
1. Food Subsidy	43751.00	58443.00	63843.79	72822.07	85000.00	92000.00	115000.00	122675.81	124419.00
2. Fertilisers									
(i) Indigenous (Urea) Fertilisers	17969.00	17580.00	15080.73	20208.00	20000.00	26500.00	36000.00	38200.01	38200.00
(ii) Imported (Urea) Fertilisers	10079.00	4603.00	6453.91	13716.12	15132.46	11538.25	12300.00	12100.00	12300.00
(iii) Sale of decontrolled fertiliser with concession to Farmers	48555.00	39081.00	40766.57	36088.58	30480.35	29300.52	24670.30	20667.30	22468.56
Total Fertiliser Subsidy	**76603.00**	**61264.00**	**62301.21**	**70012.70**	**65612.81**	**67338.77**	**72970.30**	**70967.31**	**72968.56**
3. Petroleum Subsidy	*2852.28*	**14951.00**	**38371.32**	**68484.01**	**96879.87**	**85378.16**	**63426.95**	**60270.00**	**30000.00**
4. Interest Subsidies	3493.00	2686.00	4680.20	5049.45	7270.37	8137.19	8312.88	11147.17	14903.42
5.Grants to NAFED for MIS/PPS	375.00	-							
5. Other Subsidies	2634.00	4006.00	4223.06	1572.87	2315.55	1777.72	947.49	1631.55	1520.00
Total Subsidies	**129708.28**	**141350.00**	**173419.58**	**217941.10**	**257078.60**	**254631.84**	**260657.62**	**266691.84**	**243810.98**
				(Figures in Percentages)					
1. Food Subsidy	**33.73**	**41.35**	**36.81**	**33.41**	**33.06**	**36.13**	**44.12**	**46.00**	**51.03**
2. Fertilisers									
(i) Indigenous (Urea) Fertilisers	13.85	12.44	8.70	9.27	7.78	10.41	13.81	14.32	15.67
(ii) Imported (Urea) Fertilisers	7.77	3.26	3.72	6.29	5.89	4.53	4.72	4.54	5.04
(iii) Sale of decontrolled fertiliser with concession to Farmers	37.43	27.65	23.51	16.56	11.86	11.51	9.46	7.75	9.22
Total Fertiliser Subsidy	**59.06**	**43.34**	**35.93**	**32.12**	**25.52**	**26.45**	**27.99**	**26.61**	**29.93**
3. Petroleum Subsidy	**2.20**	**10.58**	**22.13**	**31.42**	**37.68**	**33.53**	**24.33**	**22.60**	**12.30**
4. Interest Subsidies	2.69	1.90	2.70	2.32	2.83	3.20	3.19	4.18	6.11
5. Other Subsidies	2.03	2.83	2.44	0.72	0.90	0.70	0.36	0.61	0.62
Total	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**

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

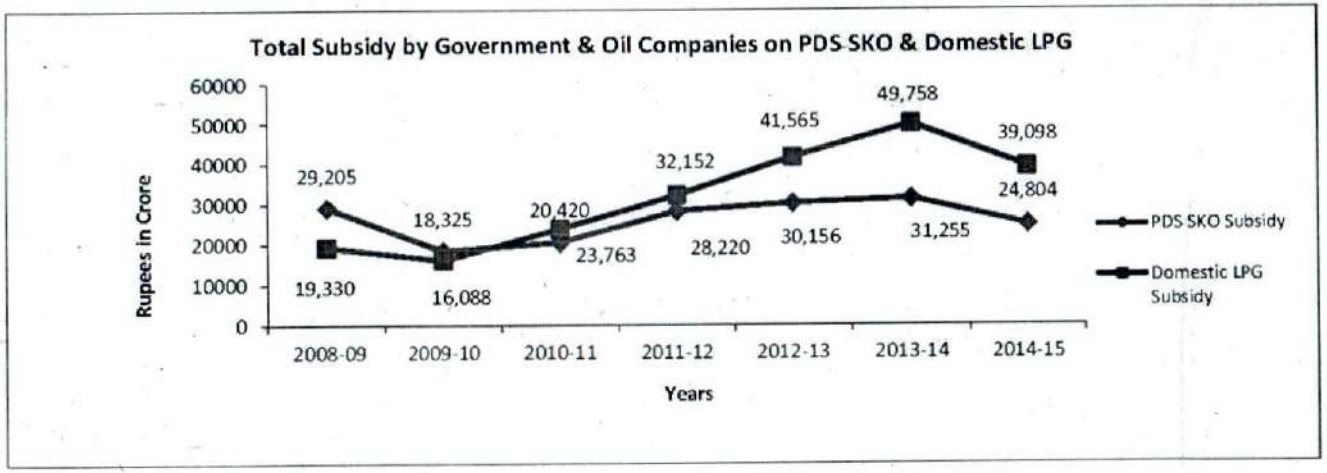
IV.8 Subsidy Provided by the Government and Oil Companies on PDS SKO & Domestic LPG

(Figures in ₹ Crore)

Years	PDS SKO			Domestic LPG				Total
	Fiscal Subsidy*	Under Recoveries to Oil Company	Total	Fiscal Subsidy*	DBTL Subsidy**	Under Recoveries to Oil Company	Total	(Subsidy Under Recoveries)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
2008-09	980.00	28225.41	29205.41	1730.00	0.00	17599.78	19329.78	48535.19
2009-10	961.00	17363.66	18324.66	1831.00	0.00	14257.29	16088.29	34412.95
2010-11	936.00	19484.42	20420.42	1991.00	0.00	21772.28	23763.28	44183.40
2011-12	868.00	27352.13	28220.13	2155.00	0.00	29996.75	32151.75	60371.88
2012-13	746.00	29409.81	30155.81	2007.00	0.00	39558.46	41565.46	71721.27
2013-14	681.00	30574.47	31255.47	1920.00	1380.16	46457.78	49757.94	81013.41
2014-15	5.00	24799.00	24804.00	18.00	2500.00	36580.00	39098.00	63902.00

*:Fiscal Subsidy includes subsidy under Subsidy under 'PDS Kerosene and Domestic LPG Subsidy Scheme, 2002', Subsidy under 'Freight Subsidy (For Far-Flung Areas) Scheme, 2002'. **: DBTL Subsidy on Domestic LPG from 2013-14 onwards.

Source: Budget document and Petroleum Planning & Analysis Cell



IV.9 Under-Recoveries by Oil Marketing Companies on Sensitive Petroleum Products

(Figures in ₹. Crore)

Products	Under-Recovery						
	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
PDS Kerosene	28,225	17,364	19485	27352	29,410	30,574	24,799
Domestic LPG[3]	17,600	14,257	21772	29997	39,558	46,458	36,580
Petrol[2]	5,181	5,151	2227	-	-	-	-
Diesel[1]	52,286	9,279	34706	81192	92,061	62,837	10,935
Total	**1,03,292**	**46,051**	**78190**	**138541**	**161,029**	**139869**	**72,314**

1. Under recovery on Petrol is only upto 25th June'2010.

2. Under recovery on Diesel is only upto 18th October, 2014.

3. Effective 13.09.2012 / 18.01.2013 / 30.04.2014, the Government has taken decision to restrict the supply of subsidized LPG cylinders to each consumer to 12 cylinders annually.

IV.10 Under Recovery and its Burden Sharing

(Figures in ₹. Crore)

Items	Under-Recovery & Burden Sharing						
	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15 ^
(1)	*(2)*	*(3)*	*(4)*	*(5)*	*(6)*	*(7)*	*(8)*
Total Under Recovery	103,292	46,051	78,190	138,541	161,029	139,869	72,314
Burden Sharing Through Oil Bonds/ Cash Subsidy [1]	71,292	26000	41000	83500	100000	70772	22085
Borne by OMCs	0	5621	6893	41	1029	2076	7,407
Upstream Companies [2]	32000	14430	30297	55000	60000	67021	42822

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

2. Oil, ONGC & GAIL

^: Status as on 13th May 2015, Cash assistance for Q4, 2014-15 not finalized.

Source: PPAC

IV.11 Price Build-up of Selected Petroleum Products in Major Cities (As on 01.04.2015)

	Delhi	Kolkata	Mumbai	Chennai
Liquefied Petroleum Gas (Domestic) (₹./14.2 Kg Cyl)				
Price at Bottling Plant	**536.86**	**565.06**	**507.07**	**529.60**
Delivery Charges	10.00	10.00	10.00	10.00
State Specific Costs	0.00	0.00	22.56	0.00
Octroi / Toll Tax	0.00	0.17	0.00	0.00
Uncompensated Costs (Import Costs, Recovery for No-revision, Rounding -off, Diff in SSC, Diff in TC, Diff in WC &^ Delivery Charges)	29.50	34.69	29.50	29.50
Market Determined Price	**576.36**	**609.92**	**569.13**	**569.10**
VAT (Including VAT on Distributor Commission)	0.00	0.00	18.42	0.00
Distributor commission	44.88	44.88	44.88	44.88
Retail Selling Price	**621.24**	**654.80**	**632.43**	**613.98**
Retail Selling Price (Rounded)	**621.00**	**654.50**	**632.00**	**614.00**
Cash Compensation to Consume under DBTL (including impact of uncompensated cost to OMCs)	(203.18)	(234.68)	(173.93)	(208.68)
Effective Cost to Consumer after Subsidy	**417.82**	**419.82**	**458.07**	**405.32**
Motor Spirit (₹./Kl)				
Revised ESPP	30590.59	30590.59	30590.59	30590.59
State Specific Costs	0.00	3064.00	3297.00	0.00
NRF & Siding Charge	134.31	223.23	(1.50)	(54.00)
RPO charge	40.36	40.36	40.36	40.36
Assessable value	**30765.26**	**33918.18**	**33926.45**	**30576.95**
Excise Duty	17460.00	17460.00	17460.00	17460.00
Sub Total	**48225.26**	**51378.18**	**51386.45**	**48036.95**
FDZ Charges	165.00	165.00	165.00	165.00
Delivery Charges beyond FDZ	-	101.68	-	-
Toll Tax	-	22.00	-	-
RPO Price	**48390.26**	**51666.86**	**51551.45**	**48201.95**
Sales Tax Rate	**20.00%**	**25.00%**	**26.00%**	**27.00%**
Sales Tax	9678.05	12916.72	13403.38	13014.53
Surcharge on ST	0.00	1000.00	1000.00	0.00
Fixed Dealer Commission	1499.37	1499.37	1499.37	1499.37
Advaloremd Dealer Commission	518.65	583.53	585.02	542.99
VAT on Dealer Commission	403.60	0.00	0.00	0.00
Retail Selling Price Rs./Kl	**60489.93**	**67666.48**	**68039.22**	**63258.84**
Retail Selling Price Rs./Litre	**60.49**	**67.67**	**68.04**	**63.26**

Cont'd...

IV.11 Price Build-up of Selected Petroleum Products in Major Cities (As on 01.04.2015)

	Delhi	Kolkata	Mumbai	Chennai
High Speed Diesel (₹./Kl)				
Revised ESPP	32084.94	32084.94	32084.94	32084.94
State Specific Costs	0.00	1706.00	2426.00	0.00
NRF & Siding Charge	148.45	242.19	0.00	0.00
RPO charge	21.27	21.27	21.27	21.27
Assessable value	**32254.66**	**34054.40**	**34532.21**	**32106.21**
Excise Duty	10260.00	10260.00	10260.00	10260.00
Sub Total	**42514.66**	**44314.40**	**44792.21**	**42366.21**
FDZ Charges	**165.00**	**165.00**	**165.00**	**165.00**
Delivery Charges beyond FDZ	**0.00**	**101.68**	**0.00**	**0.00**
Toll Tax	**0.00**	**22.00**	**0.00**	**0.00**
RPO Price	**42679.66**	**44603.08**	**44957.21**	**42531.21**
Pollution Cess w.e.f. 8.2.08	250.00	0.00	0.00	0.00
Sales Tax % w.e.f. 01.04.2005	13.00	17.00	24.00%	21.00
Sales Tax	5366.21	7410.00	10789.73	9114.44
Surcharge on ST	0.00	1000.00	0.00	0.00
Dealer Commission	1256.60	1269.83	1277.76	1265.86
Vat on Dealer Commission	157.08	-	-	-
Retail Selling Price Rs./Kl	**49709.55**	**54282.91**	**57024.70**	**52911.51**
Retail Selling Price Rs./Litre	**49.71**	**54.28**	**57.02**	**52.91**
Superior Kerosene Oil(₹./Kl)				
Ex-storage point price	12822.00	12822.00	12822.00	12822.00
State surcharge	0.00	0.00	731.00	869.00
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	0.00
Assessable value	**12952.49**	**12841.37**	**13553.00**	**13691.00**
Entry tax amount / TN Rebate	0.00	0.00	0.00	(1332.00)
Sales Tax %	5.00%	0.00%	3.00%	5.00%
Sales Tax	647.62	0.00	406.59	617.95
Surcharge on Sales Amount	0.00	0.00	0.00	0.00
Ex-MI/Depot Price/KL-OIL Co.	**13600.11**	**12841.37**	**13959.59**	**12976.95**
Ex-MI/Depot Price/KL-ST. Govt.	**13600.11**	**12841.37**	**13959.59**	**12976.95**
Wholesales Margin	438.24	536.09	536.09	170.00
Wholesalers Extra Ordinary Margin	0.00	0.00	99.00	0.00
Transport charges	675.23	866.60	280.79	119.17
Toll Tax	0.00	0.00	70.00	0.00
VAT on wholesale margin	55.67	0.00	29.79	8.50
Handling Charges	0.00	128.41	7.24	0.00
Rounding Up	0.00	0.00	0.00	0.00
Wholesales Price/Kl	**14769.25**	**14372.47**	**14982.50**	**13274.62**
Retailers Margin	179.00	788.20	231.00	360.00
Handling Charges	0.00	537.44	0.00	0.00
Leakage and other Expenses	0.00	0.00	0.00	0.00
Retailer Transportation	0.00	386.60	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**	**16084.71**	**15240.00**	**13692.62**
Retail Selling Price Rs./Litre	**14.96**	**16.08**	**15.24**	**13.69**

Cont'd....

IV.11 Price Build-up of Selected Petroleum Products in Major Cities (As on 01.04.2015)

	Delhi	Kolkata	Mumbai	Chennai
ATF (Domestic Airlines)*				
Basic price	32600.00	33280.00	32710.00	33080.00
Inland differential	570.00	0.00	0.00	0.00
State surcharge	841.00	3210.00	946.00	841.00
Freight	504.20	954.38	100.00	361.85
Siding charges	48.79	0.00	0.00	0.00
Marketing cost	3241.15	5581.30	3490.00	4401.81
MSL cost	308.00	308.00	308.00	308.00
Assessable value	**38113.14**	**43333.68**	**37554.00**	**38992.66**
Excise Duty Rate	8.00	8.00	8.00	8.00
Excise Duty	3049.05	3466.69	3004.32	3119.41
Education Cess @3% on ED	0.00	0.00	0.00	0.00
Toll Tax	0.00	0.00	0.00	0.00
Posted Airfield Price per KL	**41162.19**	**46800.37**	**40558.32**	**42112.07**
Sales Tax Rate	20.00	25.00	25.00	29.00
Sales Tax Amount	8232.44	11700.09	10139.58	12212.50
Surcharge on Sales Tax- Rate	0.00	0.00	0.00	0.00
Surcharge on Sales Tax- Rate	0.00	0.00	0.00	0.00
Final Selling Price Per KL	**49394.63**	**58500.47**	**50697.90**	**54324.57**
Furnace Oil (₹./Kl)				
Ex-storage point price		23680.00	22710.00	23370.00
State surcharge		1039.00	1168.00	1039.00
Notional railway freight		519.40	0.00	0.00
Siding / shunting charges		130.00	0.00	0.00
Assessable value		**25368.40**	**23878.00**	**24409.00**
Excise duty + edu cess		3551.58	3342.92	3417.26
Total inclusive of excise duty + edu cess		**28919.98**	**27220.92**	**27826.26**
Sales tax		1446.00	3402.62	1391.31
Total		**30365.98**	**30623.54**	**29217.57**
Light Diesel Oil (₹./Kl)				
Ex-storage point price	32670.00	32670.00	32670.00	32670.00
State surcharge	924.00	1420.00	1039.00	924.00
Notional railway freight	385.72	1656.75	0.00	0.00
Siding Dest.	53.36	80.00	0.00	0.00
Assessable value	**34033.08**	**35826.75**	**33709.00**	**33594.00**
Excise duty + edu cess	4764.63	2753.71	4719.26	4703.16
Additional levy along with cess	2500.00	1250.00	2500.00	2500.00
Total inclusive of excise duty + edu cess	**41297.71**	**39830.46**	**40928.26**	**40797.16**
Sales tax	5162.21	7368.22	5116.03	10199.29
Discount on Sales Tax	0.00	0.00	0.00	0.00
State Development Tax	250.00	0.00	0.00	0.00
Total	**46709.92**	**47198.68**	**46044.29**	**50996.45**

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

*: ATF price is exclusive of sales tax and other levies

Source: IOCL Price Build-up

IV.12 Trends in Retail Selling Prices of Selected Petroleum Products in Metropolitan Cities in India

Price as on	Delhi	Kolkata	Mumbai	Chennai
(1)	(2)	(3)	(4)	(5)
Motor Spirit (₹./Litre)				
01.04.2008	45.52	48.95	50.51	49.61
01.04.2009	40.62	44.05	44.55	44.24
01.04.2010	47.93	51.67	52.20	52.13
01.04.2011	58.37	62.51	63.08	61.93
01.04.2012	65.64	70.02	70.65	69.55
01.04.2013	68.30	75.78	75.20	71.42
01.04.2014	72.26	80.13	80.89	75.49
01.04.2015	60.49	67.67	68.04	63.26
High Speed Diesel Oil (₹./Litre)				
01.04.2008	31.76	33.92	36.08	34.40
01.04.2009	30.86	32.92	34.45	32.82
01.04.2010	38.10	37.99	39.88	38.05
01.04.2011	37.75	40.06	42.06	40.16
01.04.2012	40.91	43.73	45.27	43.95
01.04.2013	48.63	52.85	54.87	51.77
01.04.2014	55.49	60.11	63.86	59.18
01.04.2015	49.71	54.28	57.02	52.91
Superior Kerosene Oil (₹./Litre)*				
01.04.2008	9.09	9.30	9.10	8.39
01.04.2009	9.22	9.75	9.10	8.39
01.04.2010	9.32	9.62	9.13	8.41
01.04.2011	9.10	9.75	9.22	8.39
01.04.2012	14.82	14.84	14.38	13.54
01.04.2013	14.96	14.84	14.71	13.69
01.04.2014	14.96	15.25	15.25	13.70
01.04.2015	14.96	16.08	15.24	13.69
Liquefied Petroleum Gas (₹./14.2 Kg Cylinder)				
01.04.2008	294.75	300.50	298.00	288.10
01.04.2009	279.70	327.25	312.05	314.55
01.04.2010	310.35	328.70	313.45	315.95
01.04.2011	345.35	365.10	348.45	352.35
01.04.2012	399.00	405.00	414.00	393.50
01.04.2013	410.50	412.50	437.50	398.00
01.04.2014	414.00	416.00	451.50	401.00
01.04.2015	417.82	419.82	458.07	405.32

*: Prices for Public Distribution System.

Consumption

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

(Calendar Year-wise)*

(Figures in '000' Tonnes)

Products	2008	2009	2010	2011	2012	2013	2014*	% to Total	% Growth
(1)	*(2)*	*(3)*	*(4)*	*(5)*	*(6)*	*(7)*	*(8)*	*(9)*	*(10)*
Light Distillates	**28239**	**28835**	**31150**	**34057**	**36320**	**38313**	**41358**	**25.3**	**7.95**
LPG	11860	12402	13592	14762	15255	15493	17246	10.6	11.32
Mogas	10821	11964	13642	14442	15279	16507	17932	11.0	8.64
Naphtha	5184	3904	3292	4196	4825	5258	5153	3.2	-2.01
Others	374	565	624	657	961	1056	1027	0.6	-2.72
Middle Distillates	**65627**	**68541**	**72361**	**77752**	**82237**	**81793**	**81802**	**50.1**	**0.01**
SKO	9313	9345	9000	8434	7655	7249	7127	4.4	-1.69
ATF	4492	4587	4821	5324	5135	5259	5332	3.3	1.40
HSDO	50796	53585	57608	63062	68582	68499	68619	42.1	0.18
LDO	611	528	439	442	392	384	354	0.2	-7.87
Others	415	495	493	490	473	401	370	0.2	-7.73
Heavy Ends	**18531**	**18394**	**16716**	**16321**	**14940**	**13994**	**13612**	**8.3**	**-2.73**
Furnace Oil	7940	8164	7768	6624	5460	4753	4670	2.9	-1.75
LSHS	3241	2739	2040	1849	1541	582	415	0.3	-28.74
Lubes/Greases	1022	1192	1210	1200	1209	1258	1093	0.7	-13.11
Bitumen/Asphalt	4487	4458	3963	4325	4297	4543	4486	2.7	-1.26
Petroleum Coke	1174	1236	1146	1640	1740	2154	2240	1.4	4.00
Wax	67	68	69	65	56	51	59	0.0	14.35
Others	600	537	520	618	637	652	649	0.4	-0.37
Total PSU Sales	**112397**	**115771**	**120227**	**128130**	**133497**	**134100**	**136773**	**83.8**	**1.99**
Pvt Sales	**20159**	**21652**	**19462**	**18009**	**12782**	**14307**	**14979**	**9.2**	**4.70**
Total Sales	**132556**	**137423**	**139689**	**146139**	**146278**	**148406**	**151751**	**93.0**	**2.25**
Pvt Imports	@	@	@	@	**8402**	**9382**	**11416**	**7.0**	**21.68**
Total Consumption	**132556**	**137423**	**139689**	**146139**	**154680**	**157788**	**163167**	**100.0**	**3.41**
Refinery Fuel and Losses (RBF)	**12442**	**14213**	**16166**	**17072**	**18168**	**17557**	**17536**	-	**-0.12**
Grand Total	**144998**	**151636**	**155855**	**163211**	**172848**	**175345**	**180703**	-	**3.06**

Note: Growth Rate in 2014 over 2013. * : Figures reconciled for previous years and provisional for 2014.

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

Source: Petroleum Planning & Analysis Cell.

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

(Financial Year-wise)*

(Figures in '000' Tonnes)

Products	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15*	% to Total	% Growth
(1)	*(2)*	*(3)*	*(4)*	*(5)*	*(6)*	*(7)*	*(8)*	*(9)*	*(10)*
Light Distillates	**39725**	**38996**	**41444**	**43870**	**46273**	**47578**	**50846**	**30.82**	**6.87**
LPG	12191	13135	14331	15350	15601	16294	18019	10.92	10.59
Motor Spirit	11258	12818	14194	14992	15744	17128	19075	11.56	11.36
Naphtha+NGL	13911	10134	10676	11222	12289	11305	10939	6.63	-3.24
Others	2365	2908	2242	2306	2639	2851	2814	1.71	-1.28
Middle Distillates	**66379**	**71121**	**75030**	**79415**	**82700**	**81830**	**82775**	**50.17**	**1.15**
SKO	9303	9304	8928	8229	7502	7165	7087	4.30	-1.09
ATF	4423	4627	5078	5536	5271	5505	5578	3.38	1.33
HSDO	51710	56242	60071	64750	69080	68364	69404	42.07	1.52
LDO	552	457	455	415	399	386	365	0.22	-5.50
Others	390	490	497	485	450	411	341	0.21	-16.88
Heavy Ends	**27495**	**27691**	**24567**	**24847**	**28084**	**28999**	**31366**	**19.01**	**8.16**
Furnace Oil	9419	9145	8807	7547	6290	5787	5640	3.42	-2.54
LSHS	3169	2484	1982	1759	1366	449	377	0.23	-15.94
Fuel Oil	12588	11629	10789	9307	7656	6236	6017	3.65	-3.50
Lubes/Greases	2000	2539	2429	2633	3196	3305	2964	1.80	-10.33
Bitumen	4747	4934	4536	4638	4676	5007	4983	3.02	-0.48
Petroleum Coke	6166	6586	4982	6138	10135	11756	14407	8.73	22.56
Waxes	281	289	254	269	194	177	361	0.22	104.16
Others	1714	1713	1576	1863	2226	2519	2634	1.60	4.57
Total Consumption	**133599**	**137808**	**141040**	**148132**	**157057**	**158407**	**164987**	**100.00**	**4.15**
Refinery fuel and losses (RBF)	**12359**	**15116**	**16381**	**17295**	**18347**	**17868**	**17669**	**-**	**-1.11**
Grand Total	**145958**	**152924**	**157422**	**165427**	**175404**	**176274**	**182656**	**-**	**3.62**

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

2. Growth Rate in 2014-15 over 2013-14. *: Figures reconciled for previous years and provisional for 2014-15

Source: Petroleum Planning & Analysis Cell.

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

(Figures in '000' Tonnes)

Products	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15*	% Growth
(1)	*(2)*	*(3)*	*(4)*	*(5)*	*(6)*	*(7)*	*(8)*	*(9)*
A. PUBLIC SECTOR								
Light Distillates	**28943**	**29068**	**32154**	**34441**	**36916**	**39106**	**41974**	**7.3**
LPG	11927	12740	13901	14929	15202	15925	17569	10.3
Motor Spirit	11169	12603	13895	14724	15458	16727	18587	11.1
Naphtha+NGL	5471	3106	3704	4139	5197	5414	4804	-11.3
Others	376	618	654	650	1059	1040	1013	-2.6
Middle Distillates	**65936**	**69797**	**73606**	**79160**	**82464**	**81465**	**81807**	**0.4**
SKO	9303	9304	8928	8229	7502	7165	7087	-1.1
ATF	4363	4551	4961	5369	5089	5304	5314	0.2
HSDO	51328	54994	58765	64662	69025	68200	68700	0.7
LDO	552	457	455	415	399	386	365	-5.5
Others	390	490	497	485	450	411	341	-16.9
Heavy Ends	**18615**	**17913**	**16734**	**15931**	**14718**	**13705**	**13803**	**0.7**
Furnace Oil	8004	7981	7713	6191	5250	4720	4788	1.5
LSHS	3169	2484	1982	1759	1366	449	377	-15.9
Lubes/Greases	1015	1239	1216	1206	1222	1218	1162	-4.6
Bitumen/Asphalt	4516	4342	4067	4322	4372	4500	4365	-3.0
Petroleum Coke	1224	1273	1147	1757	1807	2133	2381	11.6
Paraffin Wax	65	62	69	61	54	53	56	5.9
Others	623	532	540	635	647	632	674	6.6
Total (A)	**113493**	**116777**	**122494**	**129532**	**134098**	**134277**	**137583**	**2.5**
B. PRIVATE SECTOR								
Light Distillates	**10935**	**10156**	**9289**	**9429**	**9356**	**8471**	**8872**	**4.7**
LPG	418	395	430	421	398	369	449	21.9
Motor Spirit	89	216	299	268	286	401	487	21.5
Naphtha / NGL	8439	7029	6972	7083	7092	5891	6135	4.1
Others	1989	2516	1588	1656	1580	1810	1801	-0.5
Middle Distillates	**443**	**1324**	**1423**	**255**	**237**	**365**	**968**	**165.6**
ATF	60	76	117	167	182	201	264	31.5
HSDO	383	1248	1306	88	55	164	704	329.8
Others	0	0	0	0	0	0	0	0.0
Heavy Ends	**8728**	**9551**	**7834**	**8917**	**13367**	**15294**	**17563**	**14.8**
Furnace Oil	1415	1164	1094	1357	1041	1067	852	-20.2
Lubes/Greases	986	1300	1213	1427	1974	2087	1802	-13.7
Bitumen/Asphalt	231	592	469	316	304	506	617	21.9
Petroleum Coke	4942	5313	3835	4381	8328	9622	12027	25.0
Paraffin Wax	N.A.	N.A.	N.A.	N.A.	140	124	305	146.4
Other Waxes	N.A.	N.A.	N.A.	N.A.	0	0	0	0.0
Others	1155	1182	1223	1436	1579	1887	1960	3.9
Total (B)	**20106**	**21031**	**18546**	**18601**	**22959**	**24130**	**27404**	**13.6**
TOTAL (A+B)	**133599**	**137808**	**141040**	**148132**	**157057**	**158407**	**164986.874**	**4.2**

Note: Private data includes sales by private oil companies, own consumption & direct Pvt Imports N.A.: Not Available

Source: Petroleum Planning & Analysis Cell.

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

(Figures in '000' Tonnes)

Sector	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
LPG							
1 Domestic Distribution	10637.46	11364.33	12368.68	13295.91	13568.03	14411.60	16040.45
2 Industry/Commercial	706.17	872.42	984.88	1068.54	1167.58	1073.60	1050.98
3 Transport	181.95	225.28	223.94	223.68	214.78	194.97	164.56
(i) Auto LPG	181.16	224.52	223.01	222.84	214.00	194.27	163.80
(ii) Railways	0.79	0.76	0.93	0.84	0.78	0.70	0.76
4 Power Generation	0.09	0.14	0.08	0.00	0.00	2.57	3.08
5 Agriculture Sector	1.33	3.57	2.37	4.76	3.73	3.95	6.09
6 Mining	0.21	0.00	0.00	0.00	0.00	0.00	0.00
7 Manufacturing (Bulk LPG)	119.29	141.78	165.15	186.30	144.78	134.75	207.92
(i) Chemicals	7.10	7.88	8.34	19.74	11.32	5.42	35.03
(ii) Engineering	0.02	0.56	0.66	1.19	1.95	1.52	1.80
(iii) Electronics	10.01	9.92	14.00	11.44	10.36	7.09	4.85
(iv) Mechanical	9.65	11.14	14.55	23.34	18.57	14.86	13.90
(v) Metallurgical	57.78	82.83	93.32	97.02	77.95	84.50	125.29
(vi) Textiles	2.01	2.51	2.78	2.39	2.12	2.87	2.21
(vii) Other Consumer/ Industrial Goods	32.72	26.94	31.50	31.18	22.51	18.49	24.84
8 Resellers/Retail	**	**	**	**	58.58	57.77	45.19
9 Miscellaneous (Bulk)	135.77	132.94	156.77	149.61	44.69	45.97	52.68
Total Sales	**11782.27**	**12740.46**	**13901.87**	**14928.80**	**15202.17**	**15925.17**	**17570.95**
10 Pvt Imports	409.00	394.96	430.00	420.84	398.47	368.50	447.60
Total Consumption	**12191.27**	**13135.42**	**14331.87**	**15349.64**	**15600.64**	**16293.67**	**18018.55**
NAPHTHA							
1 Fertilizers Sector	1803.00	844.40	892.22	962.25	897.96	515.90	301.49
2 Petrochemicals Sector	5889.02	6967.60	7500.00	8140.82	9412.21	9463.94	9516.72
3 Power Sector	1147.11	639.25	419.33	187.36	342.01	215.11	199.24
4 Steel Plants	70.87	2.51	0.01	0.19	0.00	0.00	0.00
5 Others	693.38	559.96	154.24	163.24	203.04	240.27	207.83
Total Sales	**9603.38**	**9013.72**	**8965.80**	**9453.86**	**10855.21**	**10435.22**	**10225.28**
6 Pvt Imports	4307.00	1120.50	1710.00	1767.66	1434.16	**869.98**	**713.40**
Total Consumption	**13910.38**	**10134.22**	**10675.80**	**11221.52**	**12289.37**	**11305.20**	**10938.67**

*: Figures reconciled for previous years, provisional for 2014-15 **: Includes in Miscellaneous cont....

Source: Petroleum Planning & Analysis Cell.

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

(Figures in '000' Tonnes)

Sector	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
SKO (Kerosene)							
1 Domestic	9131.20	9101.00	8722.00	8045.00	7349.04	7008.86	6917.34
2 Commercial/Industry	43.10	69.00	67.00	61.00	37.18	107.30	51.53
3 Others	128.30	134.00	139.00	123.00	115.28	48.61	117.85
Grand Total	**9302.60**	**9304.00**	**8928.00**	**8229.00**	**7501.50**	**7164.77**	**7086.72**
HSDO							
1 Transport	5292.62	5364.57	5416.64	5528.77	5159.93	3203.10	4617.27
(i) Road Transport	2379.49	2434.27	2483.41	2558.39	2207.17	205.85	1579.84
(ii) Aviation	1.75	1.71	1.01	1.37	1.36	1.23	1.23
(iii) Shipping	745.21	667.91	561.34	539.75	413.09	365.21	343.50
(iv) Railways	2166.17	2260.68	2370.88	2429.26	2538.31	2630.80	2692.69
2 Agriculture	490.31	593.84	615.64	683.59	617.31	429.24	574.93
3 Power Generation	336.13	303.24	165.78	168.20	214.34	204.42	197.23
4 Mining & Quarrying	1024.88	1247.50	1365.86	1180.72	1073.28	873.12	998.18
5 Manufacture Industry	1309.51	1501.82	1440.04	1649.15	1627.59	686.93	793.77
(i) Iron & Steel(Metallurgy)	210.40	220.49	239.08	290.38	263.03	153.83	162.06
(ii) Textile	92.40	171.80	187.80	156.23	241.77	46.33	58.78
(iii) Cement	148.73	192.31	211.56	226.18	213.02	124.68	148.69
(iv) Ceramic & Glass	20.36	18.90	17.07	20.58	62.09	5.50	8.12
(v) Chemicals & Allied	108.03	167.13	135.42	153.11	183.20	103.38	103.26
(vi) Aluminium	6.22	10.22	15.43	20.83	26.37	28.19	19.19
(vii) Civil Engineering	451.73	421.77	357.37	418.62	316.08	68.32	135.63
(viii) Elec./Electronics	26.08	36.76	35.16	38.62	54.17	26.48	18.38
(ix) Mechanical	96.94	112.61	106.08	200.29	137.56	70.08	77.91
(x) Fertilizers	8.91	8.07	7.62	10.06	8.62	14.83	5.95
(xi) Other Consumer/ Industrial Goods	139.68	141.77	127.45	114.24	121.67	45.30	55.81
6 Resellers/Retail	**	**	48703.92	53207.80	58021.31	61464.81	60402.80
7 Miscellaneous	43195.33	47136.95	2170.00	2262.00	2319.63	1425.67	1748.49
Total	51648.78	56147.93	59877.88	64680.24	69033.39	68287.28	69332.7
8 Pvt Imports	61.58	94.44	193.14	69.74	46.66	76.65	71.90
Total Consumption	**51710.36**	**56242.37**	**60071.03**	**64749.98**	**69080.05**	**68363.92**	**69404.56**

* : Figures reconciled for previous years, provisional for 2014-15 **: Includes in Miscellaneous

cont....

Source: Petroleum Planning & Analysis Cell.

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

(Figures in '000' Tonnes)

Sector	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15*
(1)	*(2)*	*(3)*	*(4)*	*(5)*	*(6)*	*(7)*	*(8)*
LDO							
1 Transport	15.11	6.27	4.91	2.54	3.08	3.85	4.95
(i) Road Transport	0.00	0.00	0.00	0.01	0.02	0.65	2.21
(ii) Shipping	12.97	4.49	3.79	1.70	2.15	2.43	2.09
(iii) Railways	2.13	1.78	1.12	0.83	0.90	0.76	0.65
2 Agriculture	4.27	2.76	1.83	1.40	1.32	1.35	1.06
3 Power Generation	174.55	151.98	136.94	126.66	142.36	131.77	132.18
4 Mining & Quarrying	5.05	1.83	2.75	2.32	2.43	3.44	3.80
5 Manufacture Industry	171.49	143.01	127.09	101.53	73.97	63.66	54.63
(i) Civil Engineering	26.32	13.13	9.47	9.15	2.83	4.21	4.59
(ii) Metallurgical	91.80	73.79	71.07	61.04	46.70	40.71	30.10
(iii) Textile & Fibre	1.36	1.26	1.47	1.04	0.92	1.53	1.08
(iv) Cement	0.00	3.16	2.12	0.00	1.23	0.00	1.19
(v) Ceramic & Glass	0.00	1.25	0.00	0.02	0.00	0.01	0.01
(vi) Chemicals & Allied	16.44	18.60	16.73	11.73	10.95	10.94	9.02
(vii) Aluminium	0.00	8.66	6.70	4.84	3.04	3.75	6.91
(viii) Elec./Electronics	2.06	0.36	0.24	0.09	0.08	0.05	0.00
(ix) Mechanical	19.69	18.57	16.51	12.64	6.96	1.32	0.69
(x) Other Consumer/ Industrial Goods	13.81	4.24	2.77	0.98	1.26	1.14	1.05
6 Resellers	**	**	**	**	0.76	0.69	3.81
7 Miscellaneous	181.79	151.59	181.52	180.34	174.64	181.56	164.83
Total Sales	**552.26**	**457.44**	**455.05**	**414.78**	**398.54**	**386.32**	**365.26**
8 Pvt Imports	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Consumption	**552.26**	**457.44**	**455.05**	**414.78**	**398.54**	**386.32**	**365.26**

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

(Figures in '000' Tonnes)

Sector	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Furnace Oil (FO)							
1 1. TRANSPORT	468.54	559.94	780.13	370.96	276.66	315.34	346.45
(i) Road Transport	33.53	0.22	0.09	0.67	1.35	6.15	10.17
(ii) Shipping	431.06	556.60	776.15	366.92	272.70	306.74	334.48
(iii) Railways	3.95	3.12	3.89	3.38	2.60	2.45	1.80
(iv) Agri. Retail Trade)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2 Agriculture	55.49	67.55	70.40	70.37	79.16	74.53	55.62
3 Power Generation	748.92	687.85	822.78	646.56	586.79	535.68	445.77
4 Mining & Quarrying	34.88	22.48	7.23	45.24	12.45	38.48	45.10
5 Manufacturing Industry	2843.14	3135.17	2773.48	2408.31	2018.99	1833.32	1748.42
(i) Civil Engineering	48.61	61.18	62.59	79.32	59.03	55.87	32.78
(ii) Metallurgical	908.82	998.06	1100.26	710.29	602.91	549.88	611.38
(iii) Textile & Fibre	70.91	139.38	80.76	52.11	37.99	57.75	69.87
(iv) Cement	92.23	98.14	74.79	39.43	27.78	13.08	12.73
(v) Ceramic & Glass	208.92	237.14	236.83	221.54	145.67	123.25	87.91
(vi) Chemicals & Allied	359.81	364.55	310.67	287.42	221.83	201.29	165.86
(vii) Aluminium	131.27	221.99	0.00	219.56	233.09	231.61	232.26
(viii) Electrical	1.92	8.20	6.55	13.10	30.35	7.30	1.65
(ix) Mechanical	52.47	53.50	55.05	38.04	21.95	15.24	10.92
(x) Fertilizers	517.87	599.62	479.02	458.13	475.21	408.08	393.28
(xi) Other Consumer/ Industrial Goods)	450.30	353.43	366.96	289.38	163.17	169.99	129.78
6 Resellers	**	**	**	**	351.28	309.09	196.87
7 Miscellaneous	4355.28	4133.55	3978.85	3300.14	2356.88	1984.69	2175.37
Total Sales	**8506.27**	**8606.54**	**8432.88**	**6841.58**	**5682.21**	**5091.14**	**5013.60**
8 Pvt Imports	913.14	538.34	374.00	706.04	608.29	695.81	626.60
Total Consumption	**9419.40**	**9144.88**	**8806.88**	**7547.62**	**6290.50**	**5786.95**	**5640.20**

* : Figures reconciled for previous years, provisional for 2014-15 **: Includes in Miscellaneous

cont....

Source: Petroleum Planning & Analysis Cell.

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

(Figures in '000' Tonnes)

Sector	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15*
(1)	*(2)*	*(3)*	*(4)*	*(5)*	*(6)*	*(7)*	*(8)*
LSHS/HHS							
1 Agriculture	1.20	2.14	0.29	0.17	0.00	0.00	0.00
2 Power Generation	1347.25	936.45	468.57	399.19	438.98	328.14	226.18
3 Mining	0.00	0.00	0.22	0.92	0.00	0.00	0.00
4 Manufacturing Industry	1294.18	1224.96	1031.16	1066.99	778.01	76.33	103.54
(i) Civil Engineering	0.54	0.43	0.33	0.37	0.25	0.02	0.00
(ii) Metallurgical	35.39	38.06	32.03	26.66	9.86	0.71	0.00
(iii) Iron & Steel	40.96	31.03	40.03	56.87	52.22	58.06	55.32
(iv) Textile & Fibre	2.61	2.93	0.34	0.11	0.31	0.00	0.00
(v) Cement	0.76	6.88	2.79	0.75	0.61	0.04	0.00
(vi) Chemicals & Allied	51.63	28.68	22.33	11.82	6.01	2.80	46.62
(vii) Electrical	0.00	103.77	105.90	76.14	20.50	0.00	0.00
(viii) Mechanical	1.44	1.85	2.38	2.19	1.58	0.05	0.00
(ix) Fertilizers	1145.38	1007.45	820.13	889.51	684.93	14.66	1.60
(x) Other Consumer/ Industrial Goods)	15.46	3.88	4.90	2.58	1.75	0.00	0.00
5 Miscellaneous	526.02	320.18	482.17	291.87	149.00	44.25	47.50
Total Sales	**3168.65**	**2483.74**	**1982.41**	**1759.14**	**1365.99**	**448.72**	**377.22**
6 Pvt Imports	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Consumption	**3168.65**	**2483.74**	**1982.41**	**1759.14**	**1365.99**	**448.72**	**377.22**

* : Figures reconciled for previous years, provisional for 2014-15

cont....

Source: Petroleum Planning & Analysis Cell.

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

(Figures in '000' Tonnes)

Year	Consumption	IOC	BPCL	HPCL	Other[1]	Private[2]	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
2008-09	in TMT	61363	26324	23712	2094	20106	133599
	in %	45.9	19.7	17.7	1.6	15.0	100.0
2009-10	in TMT	63570	27015	24246	1946	21419	138196
	in %	46.0	19.5	17.5	1.4	15.5	100.0
2010-11	in TMT	66727	28461	25578	1728	18546	141040
	in %	47.3	20.2	18.1	1.2	13.1	100.0
2011-12	in TMT	70084	30228	27581	1639	18601	148132
	in %	47.3	20.4	18.6	1.1	12.6	100.0
2012-13	in TMT	71249	32232	28862	1755	22959	157057
	in %	45.4	20.5	18.4	1.1	14.6	100.0
2013-14	in TMT	69873	32776	30048	1581	24130	158407
	in %	44.1	20.7	19.0	1.0	15.2	100.0
2014-15*	in TMT	71638	33394	30739	1813	27403	164987
	in %	43.4	20.2	18.6	1.1	16.6	100.0

Note:

*: Provisional

1. Other Companies include CPCL, GAIL, MRPL, NRL & ONGC

2. Private data includes sales by private oil companies, own consumption & direct private imports

Source: Petroleum Planning & Analysis Cell.

V.4 Deliveries Made to International/Coastal Bunkers

(Figures in '000' Tonnes)

Items	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
INTERNATIONAL BUNKERS							
F.O	127.1	37.3	85.7	113.0	193.6	189.1	251.0
H.S.D	17.0	94.7	16.6	8.1	6.8	9.1	12.8
L.D.O	1.3	0.3	0.0	0.0	0.0	0.0	0.0
TOTAL	**145.4**	**132.3**	**102.3**	**121.1**	**200.5**	**198.2**	**263.8**
COASTAL BUNKERS							
F.O	362.4	553.7	783.6	345.6	141.7	168.6	155.9
H.S.D	586.1	503.5	404.2	336.4	200.5	181.1	196.2
L.D.O	17.5	6.5	4.7	2.4	2.6	2.4	2.9
TOTAL	**966.0**	**1063.7**	**1192.5**	**684.4**	**344.8**	**352.1**	**355.0**
TOTAL BUNKERS :							
F.O	489.5	590.9	869.3	458.6	335.3	357.7	406.9
H.S.D	603.1	598.2	420.7	344.5	207.3	190.3	209.0
L.D.O	18.7	6.8	4.7	2.4	2.6	2.4	2.9
TOTAL	**1111.3**	**1195.9**	**1294.7**	**805.5**	**545.3**	**550.3**	**618.7**

* Provisional

Source: Petroleum Planning & Analysis Cell.

V.5 State-wise Consumption of Major Petroleum Products During 2014-15 (Prov)

(Figures in '000' Tonnes)

REGION/STATE	Naphtha	LPG	MS	SKO	ATF	HSD	LDO	F.O	HHS/LSHS	Lubes/GRS	Bitumen	Others	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Region: North													
Jammu & Kashmir	0	163	171	144	48	563	1	1	0	7	37	66	**1201**
Punjab	0	732	663	71	45	3216	8	94	0	40	171	674	**5713**
Rajasthan	0	917	1025	389	120	5038	10	142	0	42	312	2885	**10879**
Uttar Pradesh	0	2132	1816	1238	120	6420	36	234	0	64	505	782	**13347**
Haryana	3259	586	724	71	35	5029	4	96	0	42	203	539	**10586**
Himachal Pradesh	0	121	137	23	8	521	0	35	0	18	47	337	**1247**
Uttarakhand	0	214	216	31	2	660	0	52	0	18	58	52	**1303**
Chandigarh	0	42	85	2	48	83	0	40	0	2	6	97	**405**
Delhi	0	732	831	1	1501	1269	3	57	0	17	11	94	**4517**
North Total	**3259**	**5638**	**5667**	**1968**	**1925**	**22799**	**64**	**751**	**0**	**250**	**1350**	**5527**	**49200**
Region: North East													
Assam	0	267	220	257	101	777	2	3	0	11	41	228	**1905**
Manipur	0	22	41	20	3	83	0	0	0	0	3	0	**173**
Meghalaya	0	16	59	20	0	302	0	0	0	1	21	3	**422**
Nagaland	0	17	25	14	1	57	0	0	0	0	6	1	**120**
Tripura	0	32	33	31	3	82	0	0	0	1	10	0	**190**
Arunachal Pradesh	0	16	28	15	1	109	0	0	0	1	8	0	**178**
Mizoram	0	21	23	6	1	54	0	0	0	0	2	0	**107**
North East Total	**0**	**391**	**428**	**362**	**111**	**1464**	**2**	**3**	**0**	**14**	**91**	**232**	**3097**
Region: East													
Bihar	0	666	432	626	20	1981	21	9	0	11	170	172	**4108**
Odisha	0	324	472	308	47	1943	22	559	0	25	120	107	**3926**
West Bengal	454	1059	555	756	214	2640	57	355	0	57	204	97	**6448**
Jharkhand	0	196	303	208	25	1554	18	145	0	30	134	14	**2627**
Sikkim	0	11	15	11	0	54	0	0	0	0	1	0	**93**
Andman & Nikobar	0	8	12	4	21	120	0	0	0	1	5	0	**172**
East Total	**454**	**2264**	**1789**	**1914**	**326**	**8291**	**118**	**1068**	**0**	**124**	**635**	**389**	**17374**
Region: West													
Goa	0	56	141	4	117	283	0	57	0	5	20	4	**686**
Gujarat	5489	820	1339	525	152	4591	9	502	2	84	534	3596	**17644**
Madhya Pradesh	0	709	898	458	67	2966	27	132	0	37	270	869	**6434**
Maharashtra	296	2285	2483	551	1326	7301	88	811	17	251	388	1119	**16917**
Chhattisgarh	0	177	357	131	23	1302	30	126	0	19	161	228	**2553**
Dadra & Nagar Haveli	0	13	14	2	0	118	0	94	26	99	3	7	**376**
Daman & Diu	0	9	16	1	1	85	0	19	0	22	1	4	**157**
West Total	**5786**	**4069**	**5249**	**1672**	**1684**	**16647**	**155**	**1741**	**45**	**516**	**1377**	**5827**	**44768**
Region: South													
Andhra Pradesh	53	872	795	228	48	3650	13	155	61	31	207	153	**6265**
Kerala	181	713	1009	94	356	2498	0	221	44	42	178	53	**5390**
Tamilnadu	368	1680	1849	309	443	5962	8	659	172	96	357	307	**12210**
Karnataka	124	1239	1431	395	420	5056	4	308	48	46	204	302	**9577**
Telangana	0	670	757	141	265	2668	1	84	4	40	153	39	**4822**
Lakshadeep	0	0	0	1	0	14	0	0	0	0	0	0	**15**
Puducherry	0	35	101	3	0	284	0	23	4	2	5	3	**459**
South Total	**727**	**5209**	**5942**	**1171**	**1532**	**20132**	**26**	**1451**	**332**	**257**	**1104**	**857**	**38738**
Total Sales	**10225**	**17571**	**19075**	**7087**	**5578**	**69333**	**365**	**5014**	**377**	**1162**	**4556**	**12833**	**153176**
Private Imports	**713**	**448**	**0**	**0**	**0**	**71**	**0**	**626**	**0**	**1802**	**427**	**7724**	**11811**
Total Consumption	**10938.7**	**18019**	**19075**	**7087**	**5578**	**69404**	**365**	**5640**	**377**	**2964**	**4983**	**20557**	**164987**

Source: Petroleum Planning and Analysis Cell, New Delhi.

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

(Unit in KG)

State/UT	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14*	2014-15
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
A. States							
1. Andhra Pradesh	112.9	113.3	116.6	124.5	129.5	126.3	126.6
2. Arunachal Pradesh	90.8	110.6	110.8	104.8	114.2	123.7	128.5
3. Assam	50.9	55.7	56.8	56.7	54.1	60.3	61.1
4. Bihar	31.5	35.4	37.2	35.9	36.4	38.3	39.6
5. Chhattisgarh	75.9	77.5	79.6	77.5	88.3	94.9	100.0
6. Delhi	233.6	237.1	227.5	256.3	247.1	256.2	269.6
7. Goa	646.5	633.2	631.9	724.3	659.8	446.4	470.7
8. Gujarat	274.1	299.9	275.8	270.2	285.3	282.0	292.2
9. Haryana	256.1	304.4	338.6	362.3	380.6	399.3	417.5
10. Himachal Pradesh	114.2	135.8	145.8	154.4	184.6	189.5	181.8
11. Jammu & Kashmir	86.0	99.9	96.1	96.1	98.3	98.3	95.7
12. Jharkhand	57.8	64.5	69.2	68.7	73.5	76.0	79.7
13. Karnataka	120.1	127.2	131.6	132.1	139.1	146.1	156.7
14. Kerala	131.3	141.9	143.1	147.9	158.4	158.5	161.4
15. Madhya Pradesh	63.4	64.5	70.9	71.6	80.4	83.6	88.6
16. Maharashtra	144.4	145.3	147.7	152.1	154.7	149.2	150.5
17. Manipur	51.8	58.1	42.5	49.6	57.4	60.3	63.7
18. Meghalaya	126.6	137.1	151.7	153.8	159.3	158.1	142.5
19. Mizoram	81.5	85.6	89.6	91.7	97.5	94.7	98.5
20. Nagaland	39.1	42.8	49.5	59.1	59.5	60.8	60.7
21. Odisha	66.3	74.6	81.2	79.9	81.5	87.6	93.6
22. Puducherry	389.1	431.7	419.2	440.5	414.7	362.3	369.1
23. Punjab	200.1	219.6	203.7	206.1	202.4	198.0	206.2
24. Rajasthan	120.2	106.4	108.2	126.3	147.0	154.9	158.5
25. Sikkim	112.0	137.1	160.3	153.0	149.8	156.7	152.8
26. Tamilnadu	163.1	170.0	177.8	175.2	187.1	174.4	169.3
27. Telangana							137.0
28. Tripura	45.0	47.8	51.5	50.9	49.5	49.3	51.8
29. Uttar Pradesh	55.5	58.7	58.8	59.7	61.1	62.6	66.9
30. Uttarakhand	106.4	121.2	124.7	123.3	120.5	119.6	128.8
31. West Bengal	59.7	62.3	67.4	64.9	70.5	74.4	70.6
B.Union Territories							
1. Chandigarh	208.4	233.1	231.7	291.0	258.8	335.8	384.3
2. Daman&Diu&	-	-	-	473.3	530.9	597.8	646.1
3. Dadra&Nagar Haveli	627.2	763.3	1332.3	833.8	705.5	869.9	1097.4
4. Others (Lakshadeep & Andman & Nilpbar	261.6	266.8	290.6	333.3	337.8	404.3	421.2
Total All India	**106.9**	**112.5**	**115.8**	**116.3**	**122.0**	**122.9**	**126.6**

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

V.7 Per Capita Sales of Selected Petroleum Products

(Unit : Kg)

Product	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14*	2013-14*
(1)	*(2)*	*(3)*	*(4)*	*(5)*	*(6)*	*(7)*	*(8)*
Naphtha	8.3	7.8	7.7	7.8	10.2	9.5	8.4
MS	9.7	11.0	12.2	12.4	13.0	14.2	15.8
SKO	8.0	8.0	7.7	6.8	6.2	5.9	5.9
HSDO	44.5	48.4	51.6	53.4	57.1	56.5	57.3
LDO	0.5	0.4	0.4	0.3	0.3	0.3	0.3
F.O (Regular)	7.3	7.4	7.3	5.7	5.2	4.7	4.1
LSHS/HHS	2.7	2.1	1.7	1.5	1.1	0.4	0.3
Total All India Sales @	**106.9**	**112.5**	**115.8**	**116.3**	**122.0**	**122.9**	**126.6**

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

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

V.8 Average Annual Compound Growth Rates of Consumption of Petroleum Products

(Figures in Percentage)

Product	VIII Plan 1992-97 (CARG)	IX Plan 1997-02 (CARG)	X Plan 2002-07 (CARG)	XI Plan 2007-12 (CARG)	XII Plan 2012-17 (CARG)	Annual 2012-13 (% Gr.)	Annual 2013-14 (% Gr.)	Annual 2014-15* (% Gr.)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
LPG	9.99	12.61	7.00	7.20	6.90	1.63	4.44	10.59
MS	6.76	7.19	5.80	10.05	8.50	5.01	8.79	11.36
Naphtha	6.37	20.06	3.40	-4.20	-0.20	9.52	-8.01	-3.24
ATF	6.72	0.95	12.00	6.81	9.60	-4.80	4.44	1.33
SKO	3.92	0.54	-1.80	-2.84	-4.00	-8.84	-4.49	-1.09
HSD	9.08	0.86	3.30	8.58	5.20	6.69	-1.04	1.52
LDO	-3.51	5.42	-14.70	-10.44	-0.20	-3.92	-3.07	-5.50
Lubes	1.69	2.34	10.80	6.70	3.70	21.40	3.42	-10.33
FO/LSHS	4.57	2.44	-0.60	-5.90	-3.50	-17.73	-18.56	-3.50
Bitumen	5.91	2.60	8.20	3.90	5.10	0.82	7.07	-0.48
Total Sales	**6.80**	**4.87**	**3.80**	**4.20**	**4.80**	**6.02**	**0.86**	**4.15**

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.9 Major End use of Petroleum Products

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

Trade

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

Year	Crude Oil		Petroleum Products		LNG		Total	
	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value
	TMT	₹. Crore	TMT	₹. Crore	TMT	₹. Crore	TMT	₹. Crore
(1)	*(2)*	*(3)*	*(4)*	*(5)*	*(6)*	*(7)*	*(8)*	*(9)*
				Gross Imports				
2008-09	132775	348304	18586	61156	8060	9548	159421	419008
2009-10	159259	375277	14665	33687	9148	10695	183072	419659
2010-11	163595	455276	17379	55998	9931	14362	190906	525637
2011-12	171729	672220	15849	68091	13214	31718	200793	772029
2012-13	184795	784652	15774	68363	13136	41731	213705	894746
2013-14	189238	864875	16718	74605	13032	53307	218988	992787
2014-15*	189432	687350	20423	72778	15470	63110	225325	823238
				Exports				
2008-09	-	-	38944	122475	-	-	38944	122475
2009-10	-	-	51155	144687	-	-	51155	144687
2010-11	-	-	59077	196861	-	-	59077	196861
2011-12	-	-	60837	284643	-	-	60837	284643
2012-13	-	-	63408	320090	-	-	63408	320090
2013-14	-	-	67864	368279	-	-	67864	368279
2014-15*	-	-	63928	288563	-	-	63928	288563
				Net Imports				
2008-09	132775	348304	-20358	-61319	8060	9548	120477	296533
2009-10	159259	375277	-36490	-111000	9148	10695	131917	274971
2010-11	163595	455276	-41698	-140862	9931	14362	131829	328776
2011-12	171729	672220	-44988	-216552	13214	31718	139956	487386
2012-13	184795	784652	-47634	-251727	13136	41731	150297	574657
2013-14	189238	864875	-51146	-293674	13032	53307	151124	624508
2014-15*	189432	687350	-43505	-215785	15470	63110	161397	534675

Note: Figures during 2007-08 -2013-14 are revised and Provisional for the year 2014-15.

Source: Petroleum Planning & Analysis Cell, New Delhi.

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

(Figures in TMT)

Items	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15*
(1)	*(2)*	*(3)*	*(4)*	*(5)*	*(6)*	*(7)*	*(8)*
A. Crude Oil							
(i) Production	33508	33690	37684	38090	37862	37788	37460
(ii) Imports	132775	159259	163595	171729	184795	189238	189432
(iii)Availability (Net)	166283	192949	201279	209819	222657	227027	226892
B. Petroleum Products							
(i) Production^	155148	184610	194821	203202	217736	220756	221136
(ii) Imports(Net)$	-20358	-36490	-41698	-44988	-47634	-51146	-43505
(iii)Availability	134789	148120	153123	158214	170103	169611	177630

S: Excluding LNG imports.

* Provisional

^: Includes Production of petroleum products from Fractionator.

VI.3 Import / Export of Crude Oil and Petroleum Products
(Calendar Year-wise)

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

ITEM	2008		2009		2010		2011		2012		2013		2014*	
	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value
(1)	*(2)*	*(3)*	*(4)*	*(5)*	*(6)*	*(7)*	*(8)*	*(9)*	*(10)*	*(11)*	*(12)*	*(13)*	*(14)*	*(15)*
IMPORT														
CRUDE OIL	**128167**	**373902**	**152481**	**323940**	**163340**	**421835**	**167813**	**613677**	**184173**	**783418**	**189351**	**846591**	**188772**	**798637**
PRODUCTS IMPORT														
LPG	2590	9349	2344	6405	4111	13883	5535	23814	6561	33301	6043	33002	8056	41208
MS/ Petrol	454	1860	314	931	1534	5588	954	4632	147	891	235	1607	328	2115
Naphtha/ NGL	5360	20108	1266	5790	1928	5981	2137	9720	1884	9838	1136	7239	630	3707
SKO/ Kerosene	1773	7958	707	2437	1317	4344	905	4179	0	0	0	0	30	172
HSD/ Diesel	3068	12057	2195	6853	1837	5673	1390	6330	871	4424	99	566	110	640
LOBS/ Lube oil	**	**	**	**	1321	3173	1401	7284	1485	8937	1585	10231	1846	11845
Fuel Oil/LSHS	1331	5728	953	1720	981	2336	1150	3866	965	3896	1325	5796	1077	4659
Bitumen	**	**	**	**	94	201	60	142	95	248	150	476	420	1459
Others	1379	6289	7333	8921	3596	7112	2992	7688	4202	8075	4961	11066	7085	13168
PRODUCT IMPORT	**15955**	**63349**	**15112**	**33057**	**16719**	**48290**	**16524**	**67655**	**16210**	**69608**	**15536**	**69982**	**19581**	**78973**
TOTAL IMPORT	**144122**	**437251**	**167593**	**356997**	**180058**	**470124**	**184337**	**681331**	**200382**	**853027**	**204887**	**916574**	**208353**	**877610**
PRODUCT EXPORT													0	0
LPG	104	513	94	424	154	664	165	856	195	1231	213	1393	239	1640
MS/ Petrol	5369	19418	8023	23547	13647	46607	14011	67059	16098	91260	15874	95263	15942	91334
Naphtha/ NGL	7884	27706	8561	23550	10586	34629	10609	45544	9035	44765	8496	45965	7397	38299
Aviation Turbine Fuel	3663	14805	4448	11987	4248	13589	5223	23996	4153	22225	5716	32482	5300	28108
HSD/ Diesel	13543	51956	18414	46615	19453	59691	21430	102486	21294	111708	25997	142665	25756	130712
SKO/ Kerosene	95	457	46	142	38	145	33	176	29	173	16	98	14	90
LDO	**	**	**	**	76	189	89	328	26	115	22	102	14	63
LOBS/ Lube Oil	**	**	**	**	10	60	30	167	75	470	19	150	12	93
Fuel Oil/LSHS	6460	12628	5136	9143	6207	12955	7937	23768	6480	22583	6281	22573	5187	17378
Bitumen	**	**	**	**	57	123	18	59	65	215	108	363	74	216
Others	749	2259	2411	5452	3054	8664	2897	10847	4097	16061	5953	23259	4402	19801
TOTAL PRODUCT EXPORT	**37867**	**129742**	**47133**	**120860**	**57530**	**177315**	**62440**	**275285**	**61548**	**310559**	**68696**	**364314**	**64337**	**327734**
NET IMPORT	**106255**	**307509**	**120460**	**236137**	**122528**	**292809**	**121897**	**406046**	**138835**	**542468**	**136190**	**552259**	**144016**	**549876**

*: Provisional. ** Includes in others

Source: Petroleum Planning & Analysis Cell.

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

(Figures in TMT)

Import/Export	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15*
(1)	*(2)*	*(3)*	*(4)*	*(5)*	*(6)*	*(7)*	*(8)*
Imports							
Crude Oil	**132775**	**159259**	**163595**	**171729**	**184795**	**189238**	**189432**
Product							
LPG	2423	2718	4484	5790	6293	6607	8318
Petrol	397	385	1702	654	147	235	372
Naphtha	5023	1734	2063	2091	1735	1026	858
Kerosene	1448	985	1381	564	0	0	30
Diesel	2742	2531	1996	1059	626	84	119
Lubes	986	1419	1291	1434	1468	1674	1779
Fuel Oil	2760	896	1013	1203	1068	1283	945
Bitumen	105	69	98	78	85	237	458
Others $	2702	3928	3352	2977	4352	5571	7544
Total Product Import	**18586**	**14665**	**17379**	**15849**	**15774**	**16718**	**20423**
Total Import	**151361**	**173924**	**180974**	**187578**	**200569**	**205956**	**209855**
Exports							
LPG	109	131	154	174	200	227	254
Petrol	5440	9771	13578	14524	16657	15247	16048
Naphtha	7601	10043	10655	10139	8647	8322	7008
Aviation Turbine Fuel	3701	4588	4478	4561	4664	5745	5520
Kerosene	77	46	33	34	23	15	15
Diesel	14720	18451	20335	20407	22464	26469	25559
LDO	0	41	98	84	9	30	6
Lubes	139	28	29	27	59	20	7
Fuel Oil	6207	5186	6734	7895	5922	6159	4762
Bitumen	45	31	56	5	87	95	94
Others	905	2839	2927	2988	4675	5535	4653
Total Export	**38944**	**51155**	**59077**	**60837**	**63408**	**67864**	**63928**
Net Import	**112417**	**122769**	**121897**	**126741**	**137161**	**138092**	**145927**
Net Product Export	**20358**	**36490**	**41698**	**44988**	**47634**	**51146**	**43505**

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

'Source: Petroleum Planning & Analysis Cell.

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

(Figures in ₹. Crore)

Import/Export	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15*
(1)	*(2)*	*(3)*	*(4)*	*(5)*	*(6)*	*(7)*	*(8)*
Imports							
Crude Oil	**348304**	**375277**	**455276**	**672220**	**784652**	**864875**	**687350**
Product							
LPG	8072	8329	15888	27019	31696	37425	36652
Petrol	1553	1264	6427	3311	891	1481	2301
Naphtha	17409	4942	6853	9827	9791	6067	4102
Kerosene	6583	2909	4939	2710	0	0	172
Diesel	9774	6390	6969	5039	3219	503	679
Lubes	4552	3518	4093	8314	9259	10664	10951
Fuel Oil	7729	1935	2455	4392	4546	5537	3876
Bitumen	207	138	210	197	235	773	1507
Others $	5277	4262	8164	7282	8727	12156	12538
Total Product Import	**61156**	**33687**	**55998**	**68091**	**68363**	**74605**	**72778**
Total Import	**409460**	**408964**	**511275**	**740311**	**853015**	**939480**	**760128**
Exports							
LPG	456	491	693	947	1294	1589	1455
Petrol	17810	31203	49480	73982	95346	92977	81971
Naphtha	25055	30318	37138	45620	43533	46059	31619
Aviation Turbine Fuel	13498	13331	16140	21857	25223	33246	25413
Kerosene	362	154	141	191	140	98	81
Diesel	49670	50930	69300	104572	115554	148138	115149
LDO	1	87	260	331	42	135	28
Lubes	687	121	154	181	381	138	83
Fuel Oil	12297	10545	15098	25576	20415	22407	14251
Bitumen	64	67	124	27	281	321	245
Others	2575	7441	8332	11360	17880	23169	18267
Total Export	**122475**	**144687**	**196861**	**284643**	**320090**	**368279**	**288563**
Net Import	**286985**	**264277**	**314414**	**455668**	**532926**	**571201**	**471565**
Net Product Export	**61319**	**111000**	**140862**	**216552**	**251727**	**293674**	**215785**

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

Source: Petroleum Planning & Analysis Cell.

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

(Figures in Million US$)

Import/Export	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15*
(1)	*(2)*	*(3)*	*(4)*	*(5)*	*(6)*	*(7)*	*(8)*
Imports							
Crude Oil	**76876**	**79553**	**100080**	**139690**	**144293**	**142962**	**112737**
Product							
LPG	1733	1767	3469	5584	5807	6179	5968
Petrol	352	266	1403	716	160	248	375
Naphtha	3802	1029	1453	2022	1787	985	667
Kerosene	1486	614	1081	597	0	0	29
Diesel	2198	1332	1505	1096	587	82	110
Lubes	988	733	855	1708	1690	1742	1777
Fuel Oil	1748	406	527	912	838	906	635
Bitumen	43	29	43	40	43	128	243
Others $	1207	832	1731	1514	1593	1985	2030
Total Product Import	**13557**	**7007**	**12068**	**14189**	**12506**	**12255**	**11833**
Total Import	**90433**	**86560**	**112148**	**153879**	**156799**	**155217**	**124570**
Exports							
LPG	97	104	151	195	236	260	236
Petrol	4008	6650	10861	15478	17528	15397	13454
Naphtha	5643	6419	8161	9482	7992	7584	5176
Aviation Turbine Fuel	2999	2824	3546	4568	4645	5487	4155
Kerosene	77	32	31	39	25	16	13
Diesel	11032	10747	15220	21746	21253	24336	18865
LDO	0	19	56	69	8	22	5
Lubes	136	26	34	36	65	27	13
Fuel Oil	2737	2250	3318	5312	3757	3671	2321
Bitumen	14	12	27	6	52	52	57
Others	539	1580	1935	2387	3288	3814	2995
Total Export	**27282**	**30663**	**43340**	**59318**	**58848**	**60664**	**47291**
Net Import	**63151**	**55897**	**68808**	**94560**	**97950**	**94553**	**121575**
Net Product Export	**13725**	**23656**	**31272**	**45130**	**46343**	**48409**	**35457**

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

'Source: Petroleum Planning & Analysis Cell.

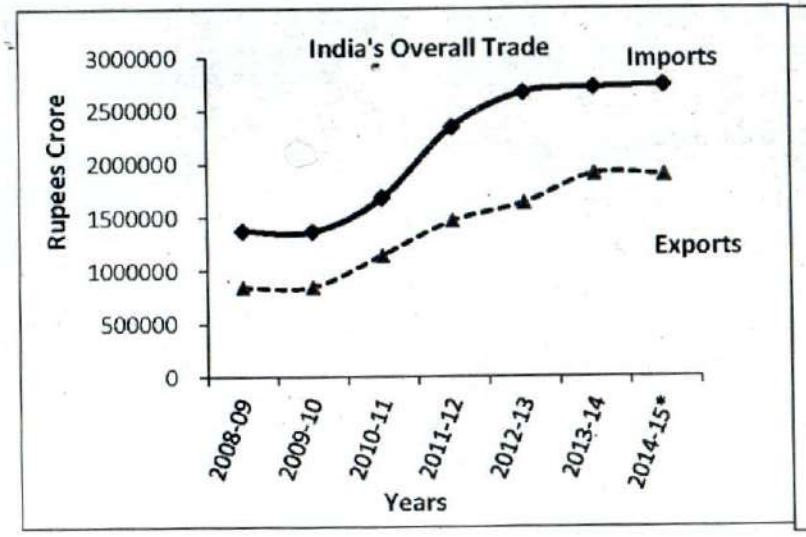
VI.7 Trends in India's overall Trade balance and Trade balance with OPEC Countries

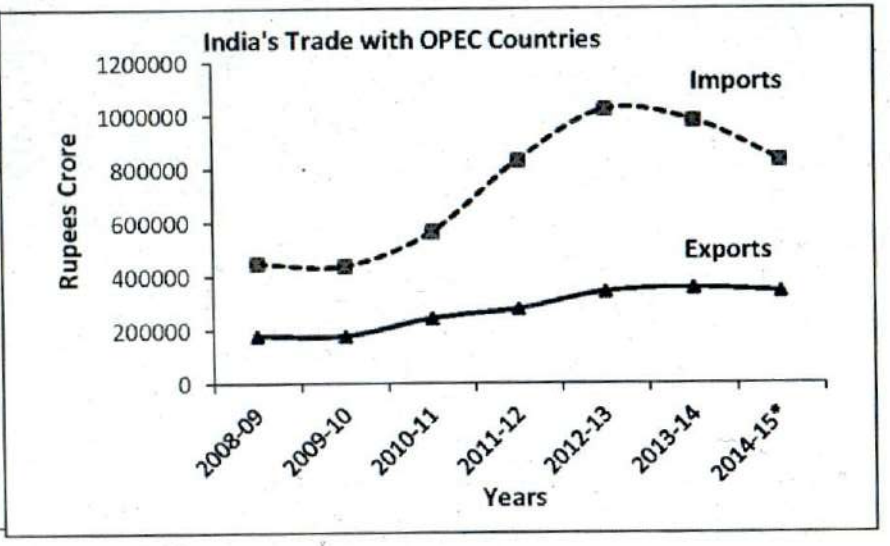
(Figures in ₹. Crore)

Year	India's Overall Trade					India's Trade with OPEC Countries					% of India's trade with OPEC to India's total trade	
				% variation over preceding year					% variation over preceding year			
	Exports	Imports	Trade Balance	Exports	Imports	Exports	Imports	Trade Balance	Exports	Imports	Exports	Imports
(1)	*(2)*	*(3)*	*(4)*	*(5)*	*(6)*	*(7)*	*(8)*	*(9)*	*(10)*	*(11)*	*(12)*	*(13)*
2008-09	840755	1374436	-533681	28.2	35.8	178789	448379	-269590	64.5	44.1	21.3	32.6
2009-10	845534	1363736	-518202	0.6	-0.8	178618	438189	-259571	-0.1	-2.3	21.1	32.1
2010-11	1142922	1683467	-540545	35.2	23.4	243769	565285	-321516	36.5	29.0	21.3	33.6
2011-12	1465959	2345463	-879504	28.3	39.3	278291	832230	-553939	14.2	47.2	19.0	35.5
2012-13	1634319	2669162	-1034843	11.5	13.8	342219	1021645	-679426	23.0	22.8	20.9	38.3
2013-14	1905011	2715434	-810423	16.6	1.7	355400	982126	-626726	3.9	-3.9	18.7	36.2
2014-15*	1891645	2733935	-842290	-0.7	0.7	343060	832415	-489355	-3.5	-15.2	18.1	30.4

*:provisional

Source: RBI & Ministry of Commerce





VI.8 Import Dependency

Items	Unit	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15*
(1)	*(2)*	*(3)*	*(4)*	*(5)*	*(6)*	*(7)*	*(8)*	*(9)*
1 Indigenous Crude Oil Production	TMT	33508	33690	37684	38090	37862	37788	37461
2 Indigenous Crude Oil Processing	TMT	28769	28882	33317	33736	34196	33853	34248
3 Total Produciton from Indigenous Crude & Condensate	TMT	31473	31789	35589	36116	36423	35885	35947
(i) Products from Indigenous Crude[1]	TMT	26842	26947	31085	31476	31905	31585	31953
(ii) Products fro Fractionators	TMT	4632	4842	4504	4640	4518	4300	3994
4 Consumption of Petroleum Products	TMT	133599	137808	141040	148132	157057	158407	164987
5 Import & Export								
(i) Crude Oil Imports	. Crore	348304	375277	455276	672220	784652	864875	687350
(ii) Petroleum Products Imports	. Crore	61156	33687	55998	68091	68363	74605	72778
(iii) LNG Imports	. Crore	9548	10695	14362	31718	41731	53307	63110
(iv) Gross Petroleum Imports (Crude+Pol+LNG)	. Crore	419008	419659	525637	772029	894746	992787	823238
(v) Petroleum Products Exports	. Crore	122475	144687	196861	284643	320090	368279	288563
(vi) India's Total Imports	. Crore	1374436	1363736	1683467	2345463	2669162	2715434	2733935
(vii) India's Total Exports	. Crore	840755	845534	1142922	1465959	1634319	1905011	1891645
6 Petroleum Imports as % of India's Gross Imports	%	30.49	30.77	31.22	32.92	33.52	36.56	30.11
7 Petroleum Exports as % of India's Gross Exports	%	14.57	17.11	17.22	19.42	19.59	19.33	15.25
8 Self Sufficiency[2]	%	23.56	23.07	25.23	24.38	23.19	22.65	21.79
9 Import Dependency[2]	%	**76.44**	**76.93**	**74.77**	**75.62**	**76.81**	**77.35**	**78.21**

1: SION norms taken as 93.3% of crude oil processed for working out products output from indigenous crude oil.

2: Based on Consumption

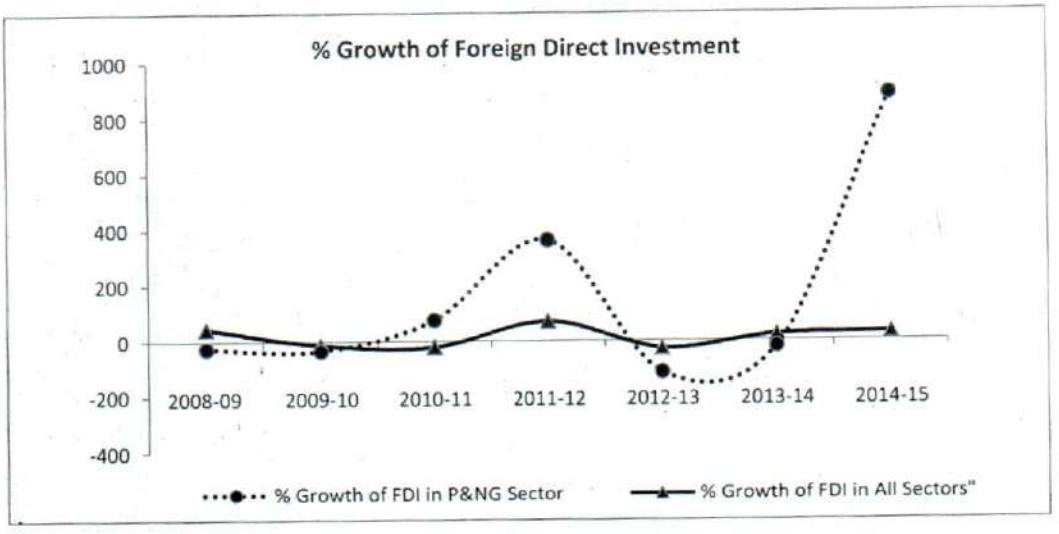
*: Provisional

VI.9 Annual Growth of Foreign Direct Investment Equity Inflows

Years	FDI Inflow		% of FDI in	Annual Growth (%)	
	Total All Sector	P & NG Sector	P&NG to Total FDI	All Sectors	P & NG Sector
(1)	(2)	(3)	(4)	(5)	(6)
			(Amount in ₹ . Million)		
2008-09	1428289.04	16333.61	1.14	44.80	-71.06
2009-10	1231196.45	12969.02	1.05	-13.80	-20.60
2010-11	973203.93	25431.41	2.61	-20.95	96.09
2011-12	1651455.31	99551.66	6.03	69.69	291.45
2012-13	1219067.30	11925.66	0.98	-26.18	-88.02
2013-14	1475177.76	6783.90	0.46	21.01	-43.12
2014-15	1891071.26	64732.20	3.42	28.19	854.20
			(Amount in US $ Million)		
2008-09	31395.97	349.29	1.11	27.75	-75.14
2009-10	25834.41	265.53	1.03	-17.71	-23.98
2010-11	21383.05	556.43	2.60	-17.23	109.55
2011-12	35120.80	2029.98	5.78	64.25	264.82
2012-13	22423.58	214.80	0.96	-36.15	-89.42
2013-14	24299.33	112.23	0.46	8.37	-47.75
2014-15	30930.50	1075.42	3.48	27.29	858.23

Note: Figures reconciled for previous years, provisional for 2014-15.

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



Taxes & Duties

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

(Figures in ₹ Crore)

Products	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Excise Duties							
Motor Spirit	21075	24809	26771	28795	23710	22424	27593
Kerosene Oil	281	223	283	351	404	346	363
Refined Diesel Oil	21537	23131	30412	19048	22513	27146	24984
Diesel Oil (NES)	288	188	240	247	297	189	323
Furnace Oil	2135	2446	2596	3105	2774	2502	2144
Pol. Products (NOS)^	6840	5822	6488	11435	17144	17049	20161
Petroleum Gases	595	705	896	1372	1654	1613	2625
Cess on crude oil	6632	6688	8860	10357	16402	17331	-
Total (A)	**59383**	**64012**	**76546**	**74709**	**84898**	**88600**	**78194**
Custom Duties							
Crude Petroleum	2768	1752	13370	5196	844	781	810
Petroleum Products	8406	6003	12912	15323	12861	14782	12990
Total (B)	**11174**	**7755**	**26282**	**20520**	**13704**	**15563**	**13799**
Grand Total (A+B)	**70557**	**71767**	**102828**	**95229**	**98603**	**104163**	**91993**
Composite Incidence of Excise & Custom Duties (₹.)	**5281**	**5208**	**7291**	**6429**	**6278**	**6584**	**8527**

*: Provisional ^: Includes NCCD (National Calamity Contingent Duty)

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

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

(Value in ₹. Lakhs)

Year	Royalty Paid on Crude Oil						Royalty Paid on Natural Gas						Oil Development Cess
	Western Region	Eastern Region	Southern Region	Central Region	Offshore	Total	Western Region	Eastern Region	Southern Region	Central Region	Offshore	Total	
(1)	*(2)*	*(3)*	*(4)*	*(5)*	*(6)*	*(7)*	*(8)*	*(9)*	*(10)*	*(11)*	*(12)*	*(13)*	*(14)*
2008-09	317211	136198	13774	-	248319	715502	66682	21883	8191	-	65665	162421	688580
2009-10	177601	161241	18370	-	258281	615493	59187	48819	8349	-	63624	179979	709605
2010-11	450721	142949	16872	11	285242	895795	11108	10741	14157	2889	196628	235523	678260
2011-12	865542	179975	27471	13	519137	1592138	12727	14453	16825	3569	281833	329407	811883
2012-13	1107937	164323	18346	13	517677	1808296	13976	16337	17826	3978	335907	388024	1578373
2013-14	1232582	163619	19188	19	595882	2011290	16737	17412	20066	5039	289007	348261	1607203
2014-15*	1145113	136181	40942	31	507050	1829317	20836	20137	16866	7231	322221	387291	1615864

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

*Provisional

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

VII.3. Sales tax rates applicable on crude oil, natural gas and petroleum products in different States
(As on 01.04.2015)

(Percentage)

State	Crude Oil	Natural Gas	MS	NAPHTHA	HSD	SKO (PDS)	SKO(IND)	LPG(Domestic)	LPG (Non Dom)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Andhra Pradesh	5.00%	14.50%	31% + Rs 4 per litre	14.50%	22.25% + Rs 4 per litre	5.00%	14.50%	5.00%	14.50%
Arunachal Pradesh	4.00%	20.00%	20.00%	12.50%	12.50%	4.00%	12.50%	4.00%	12.50%
Assam	5.00%	14.50%	27.50%	14.50%	16.50%	2.00%	12.50%	4%, Rebate of ₹.14 per cylinder on sale for domestic use	9.00%
Bihar	5.00%	20.00%	24.5%, Surcharge 10% on tax	13.50%	18.00%, Surcharge 10% on Tax	5.00%	5.00%	1.00%	13.50%
Chandigarh	4.00%	5.00%	20.00% for Normal & 22.00% for Branded, MST Rs 10/- Per KL	5.00%	9.68%, MST Rs 10/- PER KL	5.00%	12.50%	0.00%	12.50%
Chattisgarh	5.00%	25.00%	25.00%	14.00%	25.00%	4.00%	14.00%	0.00%	5.00%
Delhi	5.00%	0.00%	20.00%	20.00%	12.50%, Cess ₹.250/- per kl	5.00%	12.50%	0.00%	5.00%
Goa	5.00%	12.50%	15% (Sold by PSU OMC to Auth RO), others 20%	20.00%	22.00%	5.00%	12.50%	0.00%	12.50%
Gujarat	4.00%, Additional Tax 1.00% on Taxable Turnover	12.50%, Additional Tax 2.50% on Taxable Turnover	23%, Cess 2% on gross turnover	16%, Addl Tax 2.50% on taxable turnover	21%, Cess 3% on gross turnover	0.00%	25.00%, Addl Tax 2.50% on taxable turnover	4.00%, Addl Tax 1% on taxable turnover	12.50%, Addl Tax 2.50% on taxable turnover
Haryana	5.00%	12.50%, Additional Tax on VAT 5%	25%, Additional Tax on VAT 5%	12.50%, Additional Tax on VAT 5%	11.50 %, Additional Tax on VAT 5%	0.00%	12.50%, Additional Tax on VAT 5%	0.00%	12.50%, Additional Tax on VAT 5%
Himachal Pradesh	4.00%	4.00%	27.00%	5.00%	11.50%	0.00%	13.75%	4.00%	13.75%
J & K	5.00%	5.00%	MST 20.00%, Cess Rs 3 per litre	13.50%	MST 12.00%, Cess RS 1/- PER LTR	5.00%	13.50%	0.00%	13.50%
Jharkhand	5.00%	14.00%	22%, Cess 1% on tax	14.00%	22%, Cess 1% on tax	2.00%	14.00%	5.00%	14.00%
Karnataka	5.50%	14.50%	26.00%	5.50%	16.65%	5.50%	14.50%	1.00%	14.50%
Kerala	5.00%	14.50%	31.80%, Additional Sales Tax Rs 1 per litre, State Surcharge	5.00%	24.52%, Additional Sales Tax Rs 1 per litre, State Surcharge 1% on (Tax + Additional	5.00%	14.50%	5.00%	14.50%
Madhya Pradesh	5.00%	13.00%	31.00%	14.00%	27.00%	5.00%	14.00%	5.00%	14.00%
Maharashtra	5.00%	12.50%	**	12.50%	**	3.00%	12.50%	3.00%	12.50%
Manipur	5.00%	13.50%	20.00%	13.50%	13.50%	0.00%	5.00%	5.00%	13.50%
Meghalaya	4.00%	14.50%	20%, Surcharge 2% on Tax, Partial Exemption of ₹. 0.56 per Ltr	14.50%	13.50 %, Surcharge 2% on Tax	0.00%	14.50%	0.00%	14.50%
Mizoram	5.00%	13.50%	20.00%	13.50%	12.00%	Nil	Nil	4.00%	8.00%
Nagaland	4.75%, Surcharge on tax 5%	4.75%, Surcharge on tax 5%	23.5%, Surcharge on tax 5%	13.25%	13.5%, Surcharge on tax 5%	5%, Surcharge on tax 5%	15%, Surcharge on tax 5%	4.75%, surcharge on tax 5%	12%, surcharge on tax 5%
Orissa	5.00%	13.50%	23.00%	13.50%	23.00%	Exempted	13.50%	Exempted	13.50%
Pondicherry	5.00%	5.00%	15.00%	14.50%	14.00%	0.00%	14.50%	and 0.5% for DBT Market	14.50%
Punjab	4.5%, Surcharge on Tax 10%	5.5%, Surcharge on Tax 10%	28%, Surcharge on Tax 10%, Cess ₹.1000 per kl	5.50% Surcharge on Tax 10.00%	11.25% for Normal and 13% for Branded Fuel, Surcharge on Tax 10%	5.50%, Surcharge on Tax 10.00%	13%, Surcharge on Tax 10.00%	4%, Surcharge on Tax 10%	13%, Surcharge on Tax 10.00%
Rajasthan	5.00%	5.00%	30.00%, Cess ₹.1000/-per KL	5.00%	22.00%, Cess Rs 1000 per KL	0.00%	0.00%	0.00%	14.00%
Sikkim	4.50%	4.50%	25%, Cess ₹.3000 per Kl, Sikkim Consumer Welfare	13.50%	15% , Cess ₹.2500 per Kl, Sikkim Consumer Welfare Fund Rs 100 per Kl	4.50%	13.50%	4.50%	13.50%
Tamil Nadu	5.00%	5.00%	27.00%	5.00%	21.43%	5.00%	25.00%	0.00%	14.50%
Telangana	5.00%	14.50%	35.20%	14.50%	27.00%	5.00%	14.50%	5.00%	14.50%
Tripura	5.00%	14.50%	20.00%	14.50%	13.50%	0.00%	14.50%	1.50%	14.50%
Uttar Pradesh	4.00%	21% Additional Tax on Taxable Turnover 5%	26.80%	21.00%	17.48%	4.00% Additional Tax on Taxable Turnover 1.00%	12.50% Additional Tax on Taxable Turnover 1.50%	0.00%	12.50% Additional Tax on Taxable Turnover 1.50%
Uttarakhand	5.00%	20%	25.00%	13.50%	21.00%	0.00%	0.00%	5.00%	13.50%
West Bengal	5.00%	5.00%	25% or ₹. 13.12/Ltr whichever is higher, Cess	5.00%	17% or ₹. 7.70/Litre whichever is higher, Cess ₹.1000 per Kl,Additional Tax on tax	0.00%	14.50%	0.00%	5%,Cess Rs 1000 per MT

**:Within Municipal Limits of Thane, Mumbai, Navi Mumbai, Solapur, Amravati, Nagpur, Aurangabad, Nandurbar 26.00%+Re1/ltr, Others 25%+Re1/Ltr for MS and 24.00%, Others 21% for HSD.

VII.3 (Cont'd...) Sales tax rates applicable on crude oil, natural gas and petroleum products in different States
(As on 01.04.2015)

(Percentage)

State	FO	LSHS	LDO	LUBE	ATF (Duty Paid/Bonded)	ATF Declared	BITUMEN	SULPHUR	BITUMEN	ASPHALT
(1)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
Andhra Pradesh	14.50%	14.50%	22.25%	14.50%	1.00%	5.00%	5.00%	5.00%	5.00%	5.00%
Arunachal Pradesh	12.50%	12.50%	12.50%	4.00%	20.00%	4.00%	4.00%	5%	5.00%	14.50%
Assam	5.00%	14.50%	16.50%	14.50%	22.00%	5.00%	5.00%	4.00%	4.00%	12.50%
Bihar	13.50%	13.50%	18.00%, Surcharge 10% on Tax	13.50%	29.00%	5.00%	5.00%	5.00%	5.00%	14.50%
Chandigarh	12.50%	12.50%	9.68%	12.50%	20.00%, MST Rs 10/- PER KL	4.00%	5.00%	5.00%	5.00%	13.50%
Chattisgarh	5.00%	14.00%	5.50%	14.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
Delhi	20.00%	12.50%	12.50%, Cess ₹.250/- per kl	Petroleum based lube taxable at 20.00% and other lubes taxable at 12.50%	20.00%	5.00%	5.00%	14.00%	5.00%	5.00%
Goa	12.50%	12.50%	22.00%	12.50%	12.50%	5.00%	5.00%	5.00%	5.00%	12.50%
Gujarat	4.00%, Addl Tax 1% on taxable turnover	15%, Addl Tax 2.50% on taxable turnover	12.50%, Addl Tax 2.50% on taxable turnover	15%, Addl Tax 2.50% on taxable turnover	ATF duty paid 30.00%, Bonded 38%	4.00%, Additional Tax 1.00% on Taxable Turnover	4.00%, Additional Tax 1.00% on Taxable Turnover	4%+1% Addl. VAT	5.00%	12.50%
Haryana	12.50%, Additional Tax on VAT 5%	12.50%, Additional Tax on VAT 5%	11.50 %, Additional Tax on VAT 5%	12.50%, Additional Tax on VAT 5%	20%, Additional Tax on VAT 5%	5.00%	5.00%, Additional Tax on VAT 5%	4%, Addl Tax 1% on Taxable Turnover	4%, Addl Tax 1% on Taxable Turnover	4%, Addl Tax 1% on Taxable Turnover
Himachal Pradesh	13.75%	13.75%	11.50%	13.75%	27.00%	1.00%	5.00%	5.00%, Additional Tax on VAT 5%	5.00%, Additional Tax on VAT 5%	12.50%, Additional Tax on VAT 5%
J & K	13.50%	13.50%	13.50%	13.50%	20%, Surcharge on Tax 5%	5.00%	5.00%	5.00%	5.00%	5.00%
Jharkhand	14.00%	14.00%	18.00%	14.00%	4.00%	5.00%	5.00%	5.00%	5.00%	5.00%
Karnataka	14.50%	14.50%	15.65%	14.50%	28.00%	5.00%	5.50%	5.00%	5.00%	14.00%
Kerala	14.50%	14.50%	^^	14.50%	25%, Additional Tax 15% on tax, State Surcharge 1% on (Tax + Additional Tax)	5%	5.00%	14.50%	5.50%	5.50%
Madhya Pradesh	14.00%	14.00%	14.00%	14.00%	4.00%	4.00%	5.00%	5%	5.00%	5%
Maharashtra	12.50%	12.50%	12.50%	12.50%	**	5.00%	12.50%	13%	5.00%	5%
Manipur	13.50%	13.50%	13.50%	13.50%	20.00%	5.00%	5.00%	12.50%	12.50%	12.50%
Meghalaya	14.50%	5.00%	12.5%, Surcharge 2% on Tax	14.50%	20.00% + 2% Surcharge on tax	0.00%	5.00%	13.50%	5.00%	13.50%
Mizoram	13.50%	13.50%	12.00%	10.00%	20.00%	4.00%	5.00%	5.00%	5.00%	13.50%
Nagaland	13.25%	4.75%	13.50%, Surcharge on tax 5%	12%, surcharge on tax 5%	20.00%, Surcharge on tax 5%	4.75%, surcharge on tax 5%	4.75%	5.00%	5.00%	13.50%
Orissa	13.50%, FO For international bunkering 5%	13.50%	20.00%	13.50%	5.00%	5.00%	5.00%	4.75%	4.75%	13.25%
Pondicherry	14.50%	14.50%	14.50%	14.50%	14.50%	5.00%	14.50%	13.50%	13.50%	13.50%
Punjab	5.50% Surcharge on Tax 10.00%	13%, Surcharge on Tax 10.00%	11.25%, Surcharge on Tax 10%	13%, Surcharge on Tax 10.00%	*	4.5%, Surcharge on Tax 10%	5.5%, Surcharge on Tax 10%	14.50%	14.50%	14.50%
Rajasthan	5.00%	14.00%	22.00%	14.00%	20.00%	5.00%	14.00%	5.5%, Surcharge on Tax 10%	5.5%, Surcharge on Tax 10%	5.5%, Surcharge on Tax 10%
Sikkim	13.50%	13.50%	15.00%	13.50%	13.50%,	4.50%	4.50%	5.00%	14% ***	14.00%
Tamil Nadu	5.00%	5.00%	25.00%	14.50%	29.00%	5.00%	5.00%	4.00%	4.00%	12.50%
Telangana	14.50%	14.50%	22.25% + Rs 2 per lit.	14.50%	16.00%	5.00%	5.00%	5.00%	5.00%	14.50%
Tripura	14.50%	14.50%	14.50%	14.50%	18.00%	5.00%	5.00%	4.00% Addl. Tax Turnover 1.00%	4.00% Addl. Tax Turnover 1.00%	4.00% Addl. Tax Turnover 1.00%
Uttar Pradesh	21.00%	21.00%	17.48%	21.00%	21%, In case of sale to CIVIL aircrafts at Agra & Varanasi - 5%	4.00%	12.50% Additional Tax on Taxable Turnover 1.50%	13.50%	5.00%	13.50%
Uttarakhand	13.50%	13.50%	21.00%	20.00%	20.00%	5.00%	5.00%	5.00%	5.00%	14.50%
West Bengal	5.00%	14.50%	^	14.50%	25.00% + Additional Tax on tax 20%, For Bagdogra AFS Nil	5.00%	5.00%			

*: 13%, 4% when sold at the Airport in Punjab to Scheduled & Non Scheduled Airlines carrying passengers, Surcharge on Tax 10%

**:ATF Duty paid Mumbai Pune 25.00%, ATF duty paid except Mumbai Pune 5.00%, ATF Bonded 30%

^: 17% or ₹.7.70/Litre whichever is higher, Cess ₹.1000 per Kl.Additional Tax on tax 20%, Rebate Available Rs 290/Kl. ^^:41%, Additional Tax 15% on tax, State Surcharge 1% on (Tax + Additional Tax)

Source: IOCL

VII.4 Sales Tax Payments on Crude Oil, Natural Gas and Petroleum Products

(Value in ₹. Lakhs)

State/UTs	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1. CRUDE OIL	**130140**	**160845**	**149902.2**	**191571**	**175972**	**166179**	**193760**
Andhra Pradesh	7652	4601	4461	5706	3946	3751	4456
Assam	34996	37027	37180	55142	50371	49617	49517
Gujarat	20518	36805	25038	38581	27632	10161	23708
Maharashtra	63812	79962	80298	87196	88789	97123	111400
Rajasthan	0	2	1	0	2	2	0
Tamil Nadu	3162	2448	2913	4946	5232	5525	4679
Tripura	0	0	11	0	0	0	0
2. NATURAL GAS	**223491**	**270331**	**399826**	**472756**	**555772**	**560350**	**595742**
Andhra Pradesh	8876	41019	65812	60032	53315	20782	10342
Assam	7413	6800	9701	12630	14079	14493	17016
Delhi	403	518	841	1315	1846	2589	2823
Gujarat	108228	107475	150976	167178	195769	208437	227082
Haryana	1745	2884	5054	8778	12692	12785	14565
Jharkhand	0	2	12	34	33	52	31
M.P	10620	14334	20168	30257	30154	21469	20108
Maharashtra	23947	31602	40093	53705	73534	112248	124084
Punjab	0	0	0	0	2120	14532	10288
Rajasthan	5539	5347	3889	6928	9516	9427	11553
Tamil Nadu	1770	1815	2935	4516	5087	6205	6663
Tripura	1501	1559	3070	3888	4070	4447	5340
Uttar Pradesh	53449	56976	97275	123495	153337	132360	145081
Uttarakhand	0	0	0	0	220	524	766
3. POL PRODUCTS	**5942598**	**5963688**	**7521157**	**9373208**	**10412080**	**12069214**	**12772770**
Andhra Pradesh	615966	619049	743946	933223	1062576	1224168	852029
Arunachal Pradesh	1894	2264	3172	4245	3934	5396	5724
Assam	86831	86440	96659	118716	132923	161998	163357
Bihar	162345	181060	222074	277753	312935	398250	393558
Chhattisgarh	104582	110959	140873	172423	199967	241499	265413
Delhi	179797	153576	191044	241467	256703	312447	278576
Goa	48983	43405	47027	57382	37848	38868	47814
Gujarat	371002	339089	499437	645986	699234	877642	965415
Haryana	215167	212531	277870	340734	383128	451103	495094
Himachal Pradesh	25197	13949	16697	14895	16410	20464	23475
Jammu & Kashmir	41170	45860	59026	74731	84522	95383	95387
Jharkhand	66466	76023	111601	125325	148857	183789	207628
Karnataka	465040	456082	572576	701865	809514	908367	1014617
Kerala	262619	289477	353718	410434	459857	518204	538898
Madhya Pradesh	282495	284607	380657	438540	439357	527917	574915
Maharashtra	966257	889120	1101417	1338852	1537916	1731039	1756483
Manipur	3502	3581	4166	7625	8238	10178	11676
Meghalaya	7329	5616	2582	401	197	277	221
Mizoram	2042	2340	3178	4422	6084	4440	5754
Nagaland	3217	2895	4187	5451	5914	6400	8270
Odisha	127128	135674	173444	199039	220775	269349	303446
Puducherry	783	662	937	1344	1871	2912	2483
Punjab	176331	199032	253422	281192	286858	309983	339443
Rajasthan	315144	322105	397050	473367	528079	655914	762295
Sikkim	7050	2107	3639	4308	4788	6579	7366
Tamil Nadu	588202	601613	768458	924391	1128082	1230215	1224888
Telangana							451929
Tripura	5034	6098	6408	10020	12082	11806	12718
Uttar Pradesh	476604	525464	652311	1073199	1051785	1185145	1273594
Uttarakhand	46332	48410	64676	72630	81118	104744	115341
West Bengal	273567	294345	360869	411487	478612	550546	547984
Union Territories							
Chandigarh	12428	8779	7556	6932	7030	7479	8436
Andaman & Nocobar	0	0	0	0	4063	5490	4845
Dadra & Nagar Haveli	2094	1476	479	829	822	6121	8498
Daman & Diu	#	#	#	#	#	5100	5200
Grand Total (1+2+3)	**6296229**	**6394864**	**8070885**	**10037535**	**11143823**	**12795743**	**13562272**

* Provisional # included in Dadra & Nagar Haveli **: Includes Condensate sales tax payment.

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

VII.5 Central Excise and Customs Tariff
(As on 01.04.2015)

DESCRIPTION OF GOODS	CENTRAL EXCISE			CUSTOMS		
	Basic Customs Duty	Additional Customs Duty (CVD)	Additional Customs Duty	Basic Cenvat Duty	Special Additional Excise Duty	Additional Excise Duty
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Crude Petroleum	NIL + 50/MT as NCCD	Nil	Nil	Nil+ .4500/MT as Cess+ ₹.50/ MT as NCCD	Nil	Nil
Motor Spirit	3%	₹.5.46/ltr. + ₹.6.00/ltr SAD	₹.6.00/ltr.	₹.5.46/ltr	₹.6/ltr	₹.6.00/ltr.
Motor Spirit (branded)	-	-	-	₹.6.64/ltr	₹.6/ltr	₹.6.00/ltr.
Naphtha - Non Fertilizers	5%	0.14	Nil	14%	Nil	Nil
Naphtha - Fertilizers	Nil	Nil	Nil	Nil	Nil	Nil
A.T.F.	Nil	8%	Nil	8%	Nil	Nil
Kerosene (PDS)	Nil	Nil	Nil	Nil	Nil	Nil
Kerosene (Non PDS)	5%	0.14	Nil	14%	Nil	Nil
HSD	0.025	₹.4.26/ltr.	₹.6.00/ltr.	₹.4.26/ltr.	Nil	₹.6.00/ltr.
HSD (branded)	-	-	-	₹.6.62/Ltr	Nil	.6.00/ltr.
L.D.O.	0.05	14% + ₹. 2.50/ Ltr	Nil	14% + ₹. 2.50/ Ltr	Nil	Nil
Furnace Oil - Fertilizer	Nil	Nil	Nil	Nil	Nil	Nil
Furnace Oil - Non Fertilizer	0.05	0.14	Nil	14%	Nil	Nil
Lube oil/greases	5%	0.14	Nil	14%	Nil	Nil
LPG(Dom)	Nil	Nil	Nil	Nil	Nil	Nil
LPG(Non-Dom)	5%	0.08	Nil	0.08	Nil	Nil
LNG	0.05	Nil	Nil	Nil	Nil	Nil
Natural Gas[Gaseous state]	5%	Nil	Nil	Nil	Nil	Nil
Petroleum Jelly	5%	0.14	Nil	14%	Nil	Nil
Waxes all types	5%	0.14	Nil	14%	Nil	Nil
Petroleum Coke	3%	0.14	Nil	14.00%	Nil	Nil
Bitumen & Asphalt	5%	0.14	Nil	14%	Nil	Nil
LSHS/ HPS & other Res.- Fertilizer	5%	Nil	Nil	Nil	Nil	Nil
LSHS/ HPS & other Res.- Non Fertilizers	0.05	0.14	Nil	14%	Nil	Nil

NOTE:

1. Additional Duty of Customs @4% would be levied in lieu of sales tax / VAT except petrol, diesel, SKO(PDS), LPG(Dom), coal, coke and petroleum gases and fuels of Chapter 27 on direct imports for consumption.
2. In addition to above, Education Cess @2% on aggregate duties will be charged w.e.f. 9.7.2004 and additional 1% will be charged w.e.f. 1.3.2007.
3. Education cess has been removed on Excise duty effective 1st March 2015.

Source : IOCL Tariff Statement &PPAC

Manpower

VIII.1 Sector-wise Manpower employed in the Petroleum Industry in India

(Figures in Number)

Category	2008	2009	2010	2011	2012	2013	2014	2015
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1. Exploration & Production	33935	33612	33351	33984	34966	31769	32465	32946
2. Refining	30128	32745	34036	31835	35768	32974	29728	29912
3. Marketing	44995	42183	41387	44535	47914	45702	48176	45745
4. Pipelines	8933	4598	4563	5536	4469	5945	7171	8095
5. R&D	1964	2076	2133	2007	1938	2314	2474	2533
6. Others	20001	23759	24395	23818	13936	16280	16184	14788
Grand Total	**139956**	**138973**	**139865**	**141715**	**138991**	**134984**	**136198**	**134019**

Note: The figures are as on 31st March of each year.

Source: Public Sector Undertakings

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

(Figures in Number)

Category	2008	2009	2010	2011	2012	2013	2014	2015
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1. Executive/Managerial	46387	49742	51486	55325	58914	58940	59970	59127
2. Supervisory	12964	13490	14197	14461	11244	11743	11356	10758
3. Clerical	15247	13879	13324	8112	8225	7722	7198	7317
4. Workmen	37266	35759	34420	35945	34708	33464	33546	32677
5. Total	**111864**	**112870**	**113427**	**113843**	**113091**	**111869**	**112070**	**109879**
6. Expatriates/Foreign Experts/on Contract	28092	26103	26438	27872	25900	23115	24128	24140
Grand Total	**139956**	**138973**	**139865**	**141715**	**138991**	**134984**	**136198**	**134019**

Note: The figures are as on 31st March of each year.

Source: Public Sector Undertakings

VIII.3 Category-wise Manpower employed in various sectors of Petroleum industry in India

(Figures in Number)

Category	2008	2009	2010	2011	2012	2013	2014	2015
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Exploration and Production								
1. Executive/Managerial	17693	18391	18862	21727	21238	20991	20940	20807
2. Supervisory	2825	2822	2790	2853	2826	2702	2540	2604
3. Clerical	6256	5486	4937	720	1038	349	330	363
4. Workman	7142	6908	6745	8666	9846	7632	8580	9071
5. Sub-Total	**33916**	**33607**	**33334**	**33966**	**34948**	**31674**	**32390**	**32845**
6. Expatriates/Foreign Experts/on Contract	19	5	17	18	18	95	75	101
Total	**33935**	**33612**	**33351**	**33984**	**34966**	**31769**	**32465**	**32946**
Refining								
1. Executive/Managerial	5975	8054	8466	8618	9398	9159	9286	9411
2. Supervisory	3988	4249	4383	4406	3655	3567	3439	3286
3. Clerical	1929	1959	2144	1927	2035	2262	2060	2183
4. Workman	11334	10926	10925	11010	10707	9682	9496	9200
5. Sub-Total	**23226**	**25188**	**25918**	**25961**	**25795**	**24670**	**24281**	**24080**
6. Expatriates/Foreign Experts/on Contract	6902	7557	8099	5874	9973	8304	5447	5832
Total	**30128**	**32745**	**34017**	**31835**	**35768**	**32974**	**29728**	**29912**
Marketing								
1. Executive/Managerial	10841	11006	11188	11517	13979	14094	14754	14735
2. Supervisory	4015	4378	4421	4779	3160	3168	3113	3101
3. Clerical	4350	3973	3671	3929	3887	3752	3550	3368
4. Workman	14046	13487	12875	12252	11524	11494	10917	10081
5. Sub-Total	**33252**	**32844**	**32155**	**32477**	**32550**	**32508**	**32334**	**31285**
6. Expatriates/Foreign Experts/on Contract	11743	9339	9303	12058	15364	13194	15842	14460
Total	**44995**	**42183**	**41458**	**44535**	**47914**	**45702**	**48176**	**45745**

Note: The figures are as on 31st March 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					
							Utilities				Non-Utilities	Gross Electricity Generation
	Coal	Lignite	Total	Natural Gas	Crude Oil	Petroleum Products**	Thermal	Hydel	Nuclear	RES		
	(Million Tonnes)			(MCM)	(TMT)		(Billion GWH)					
(1)	*(2)*	*(3)*	*(4)*	*(5)*	*(6)*	*(7)*	*(8)*	*(9)*	*(10)*	*(11)*	*(12)*	*(13)*
2008-09	492.76	32.42	525.18	32845	33508	155148	616.20	110.10	14.90	-	99.70	840.90
2009-10	532.04	34.07	566.11	47496	33690	184608	677.10	104.10	18.60	-	106.10	906.00
2010-11	532.70	37.73	570.81	52219	37684	194821	704.30	114.42	26.27	39.24	120.92	965.67
2011-12	539.95	42.33	582.28	47559	38090	203202	759.40	130.51	33.30	51.23	128.20	1056.84
2012-13	556.40	46.45	602.85	40679	37862	217736	760.45	113.72	32.87	57.45	144.01	1108.50
2013-14	565.77	44.27	610.04	35407	37788	220756	792.48	134.85	34.23	59.62	156.84	1178.01
2014-15*	612.60	48.25	660.85	33656	37460	221136	878.32	129.24	36.10	61.78	166.43	1271.87

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

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

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

(Figures in ₹. Crore)

Sectors	2007-08	2008-09	2009-10	2010-11	Sectors	2011-12	2012-13	2013-14
(1)	*(2)*	*(3)*	*(4)*	*(5)*	*(6)*	*(7)*	*(8)*	*(9)*
(at Constant Price 2004-05)					**(at Constant Price 2011-12)**			
1. (a) Petroleum & Natural Gas	47553	46923	50982	56820	1. (a) Petroleum & Natural Gas^	197409	224839	225648
(b) Petroleum Products $	59084	60236	60808	68374	(b) Refined Petroleum^^	102011	131482	130944
(c) Total	106637	107158	111789	125194	(c) Total	299420	356321	356592
2. Railways	38235	41161	44763	47404	2. Railways	61210	**72249**	**78940**
3. Transport by other means	219969	231564	248380	268669	3. Transport by other means	336109	361127	**378212**
4. Storage	2375	2711	3233	3353	4. Storage	5292	5928	6011
5. Communications	93928	117465	154496	188246	5. Communications & Services related to broadcasting	127553	135635	153818
6. Electricity	65986	68422	72704	76673	6. Electricity	151094	156774	**163523**
7. Gas	5642	6354	6476	6525	7. Gas	15554	15203	14848
8. Water Supply	7801	8274	9038	9663	8. Water Supply	15242	**16619**	**18339**
9. GDP at factor cost	3896636	4158676	4516071	4918533	9. GVA at basic prices	8195546	8599224	9169787
10. Contribution of P&NG* in GDP at factor cost	2.74	2.58	2.48	2.55	10. Contribution of P& NG in total GVA at basic prices	3.65	4.14	3.89
Growth Rate (%)								
1. (a) Petroleum & Natural Gas		-1.33	8.65	11.45	1. (a) Petroleum & Natural Gas^		13.89	0.36
(b) Petroleum Products		1.95	0.95	12.44	(b) Refined Petroleum^^		28.89	-0.41
(c) Total		0.49	4.32	11.99	(c) Total		19.00	0.08
2. Railways		7.65	8.75	5.90	2. Railways		18.03	9.26
3. Transport by other means		5.27	7.26	8.17	3. Transport by other means		7.44	4.73
4. Storage		14.15	19.25	3.71	4. Storage		12.02	1.40
5. Communications		25.06	31.53	21.85	5. Communications		6.34	13.41
6. Electricity		3.69	6.26	5.46	6. Electricity		3.76	4.30
7. Gas		12.63	1.91	0.77	7. Gas		-2.26	-2.34
8. Water Supply		6.06	9.24	6.91	8. Water Supply		9.03	10.35
9. GDP at factor cost		6.72	8.59	8.91	9. GVA at basic prices		4.93	6.64

Note: * including Petroleum Products

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

^: Output of Petroleum and Natural Gas ^^: applying ratio of GVA from refined petroleum products (NIC-2008 code-192) to total GVA from coke and refined petroleum products (NIC-2008 code-19) as per ASI-2011-12 on GVA from coke and refined petroleum product as per NAS

Source : National Account Statistics (NAS), 2015

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

(at Current Prices)

(Figures in ₹. Crore)

Sectors	2007-08	2008-09	2009-10	2010-11	Sectors	2011-12	2012-13	2013-14
(1)	*(2)*	*(3)*	*(4)*	*(5)*	(6)	(7)	(8)	(9)
1. (a) Petroleum & Natural Gas	60693	65330	78408	97779	1. (a) Petroleum & Natural Gas^	197409	242982	263835
(b) Petroleum Products $	73518	84723	82978	105220	(b) Refined Petroleum^^	102011	143680	158582
(c) Total	134212	150053	161385	202999	(c) Total	299420	386662	422417
2. Railways	43608	47478	55571	56877	2. Railways	61210	72386	79759
3. Transport by other means	254404	289327	325126	387533	3. Transport by other means	336109	390794	424954
4. Storage	2716	3213	4211	4649	4. Storage	5292	6254	6844
5. Communications	66069	75430	86483	80099	related to broadcasting	127553	144802	177179
6. Electricity	67317	73309	92303	94490	6. Electricity	151094	163807	187268
7. Gas	7274	7069	8449	9591	7. Gas	15554	16794	17113
8. Water Supply	9239	10692	13131	15479	8. Water Supply	15242	18351	22222
9. GDP at factor cost	4582086	5303567	6108903	7248860	GVA at basic prices	8195546	9252051	10477140
10.Contribution of P&NG* in GDP at factor cost	2.93	2.83	2.64	2.80	Contribution of P& NG in total GVA at basic prices	3.65	4.18	4.03
Growth Rate (%)								
1. (a) Petroleum & Natural Gas			20.02	24.71	1. (a) Petroleum & Natural Gas^		23.09	8.58
(b) Petroleum Products $			-2.06	26.81	(b) Refined Petroleum^^		40.85	10.37
(c) Total			7.55	25.79	(c) Total		29.14	9.25
2. Railways			17.05	2.35	2. Railways		18.26	10.19
3. Transport by other means			12.37	19.19	3. Transport by other means		16.27	8.74
4. Storage			31.06	10.40	4. Storage		18.18	9.43
5. Communications			14.65	-7.38	5. Communications		13.52	22.36
6. Electricity			25.91	2.37	6. Electricity		8.41	14.32
7. Gas			19.52	13.52	7. Gas		7.97	1.90
8. Water Supply			22.81	17.88	8. Water Supply		20.40	21.09
9. GDP at factor cost			15.18	18.66	9. GVA at basic prices		12.89	13.24

Note: * including Petroleum Products

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

^: Output of Petroleum and Natural Gas ^^: applying ratio of GVA from refined petroleum products (NIC-2008 code-192) to total GVA from coke and refined petroleum products (NIC-2008 code-19) as per ASI-2011-12 on GVA from coke and refined petroleum product as per NAS

Source : National Account Statistics (NAS), 2015

Plan Performance

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

(Value in ₹. crore)

PSUs	2011-12	12th Plan	2012-13				2013-14				2014-15					Cumulative	2015-16
	Actual	Outlay	B E	RE	Actual Exptr.	% of Actual to BE	B E	RE	Actual Exptr. (Revised)	% of Actual to BE	B E	RE	Actual	% of Actual to BE	% of Actual to RE	Expdtr. (2012-13 to 2014-15)	BE
I&EBR by PSUs																	
OVL	7999.55	68469.73	7909.90	13140.00	10891.41	137.69	9491.88	36117.46	35357.00	372.50	14792.00	12387.00	7171.55	48.48	57.90	53419.96	10402.00
ONGC	29,246.55	162,842.06	33,065.31	33,577.00	29,507.91	89.24	35,049.23	35,049.06	32,469.54	92.64	36,059.07	34,813.22	29,997.46	83.19	86.17	91,974.91	36,249.37
OIL	1,742.76	18,986.06	3,378.29	3,069.52	2,890.03	85.55	3,580.99	10,439.00	9,350.97	261.13	3,632.00	3,529.44	3,773.76	103.90	106.92	16,014.76	3,917.64
GAIL	6,752.84	28,164.73	9,447.27	6,738.77	5,962.00	134.24	7,511.50	5,481.93	4,069.78	115.91	3,104.62	2,131.52	1,632.18	52.57	76.57	11,663.96	2,704.51
IOCL	11,073.48	57,176.76	10,000.00	10,000.00	9,378.11	231.13	11,276.76	11,826.00	16,660.61	1,121.03	11,375.00	9,367.00	14,313.68	125.83	152.81	40,352.40	10,409.00
HPCL	2,584.88	21,743.87	3,467.43	3,354.00	2,883.65	108.23	4,081.44	2,754.67	2,641.87	122.64	3,773.33	1,801.64	2,669.61	70.75	148.18	8,195.13	1,791.85
BPCL	1,565.97	33,968.74	4,479.00	3,546.00	3,829.59	220.81	4,747.74	3,618.00	4,373.58	207.54	5,250.00	5,793.50	6,874.75	130.95	118.66	15,077.92	6,501.32
MRPL	3,915.42	11,881.48	6,817.00	2,847.47	2,248.55	59.94	2,524.48	1,542.84	1,448.74	186.24	1,300.15	1,880.00	2,747.36	211.31	146.14	6,444.65	2,143.87
CPCL	490.18	4,351.68	785.68	279.38	260.56	33.16	299.27	192.00	228.60	76.39	1,102.00	617.00	465.90	42.28	75.51	955.06	2,230.90
NRL	83.87	8,246.88	272.00	225.00	160.60	154.47	368.88	293.00	372.14	100.88	177.65	111.00	102.77	57.85	92.59	635.51	115.00
BALMER LAWRIE	32.61	220.00	55.00	55.00	67.28	122.33	70.00	70.00	119.55	170.79	62.00	158.00	79.79	128.69	50.50	266.62	100.00
BIECCO LAWRIE	0.00	31.00	8.00	8.00	0.00	0.00	7.00	7.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00	0.00
Total (I&EBR)	**65,488.11**	**416082.98**	**79684.88**	**76840.14**	**68079.69**	**85.44**	**79009.17**	**107390.96**	**107092.38**	**135.54**	**80634.82**	**72589.32**	**69828.81**	**86.60**	**96.20**	**245,000.88**	**76565.46**
Gross Budgetary Support Schemes (GBS)																	
Rajiv Gandhi Institute of Petroleum Technology (RGIPT)*	33.26	199.00	41.00	41.00	19.43	47.39	41.00	15.00	16.55	40.37	42.00	1.00	0.00	0.00	0.00	35.98	48.00
PLG connection to BPL Families **	0.00	0.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Strategic Storage Programme for Storage of Crude Oil by ISPRL #	0.00	4,948.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	2,400.00	0.00	0.00	0.00	0.00	1.00
Setting up of Petroleum University in Andhra Pradesh **	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.0	0.00	0.00	1.00
Total (GBS)	**33.26**	**5,147.00**	**43.00**	**43.00**	**19.43**	**45.19**	**43.00**	**15.00**	**16.55**	**38.49**	**43.00**	**2,402.00**	**0.00**	**0.00**	**0.00**	**35.98**	**50.00**
Total (I&EBR & GBS)	**65,521.37**	**421,229.98**	**79,727.88**	**76,883.14**	**68,099.12**	**85.41**	**79,052.17**	**107,405.96**	**107,108.93**	**135.49**	**80,677.82**	**74,991.32**	**69,828.81**	**86.60**	**96.20**	**245,036.86**	**76,615.46**

Note : 1. I&EBR for 12th Plan includes BE for 2012-13 and 2013-14 approved by Planning Commission (NITI Ayog) with proposals by PSUs for remaining period of 12th Plan.

2. GBS Rs. 5147 crore as approved by Planning Commission for 12th Plan.

3. RE for OVL for 2014-15 revised in Budget proposal from Rs.10147.00 crore proposed by OVL and MoPNG to Rs.12387.00 crore.

4. BE for CPCL for 2015-16 revised in Budget Proposals from Rs.1300.00 crore as proposed by CPCL and also MoPNG to Rs.2230.90 crore.

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

#: Scheme yet to be approved by the Cabinet

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

((Value in ₹. /crore))

Name of Company	Dividend paid to Govt by PSUs			
	2011-12	2012-13	2013-14	2014-15
Oil & Natural Gas Corp. Ltd. (ONGC)	8342.00	8128.00	8127.72	8128
Oil India Ltd. (OIL)	1142.15	1803.41	1292.45	1202.28
GAIL (INDIA) Ltd.	1104.00	1218.00	1319.21	761
Indian Oil Corp. Ltd. (IOCL)	1213.98	1505.33	2112.32	1602.45
Hindustan Petroleum Corp. Ltd. (HPCL)	287.83	287.83	524.87	829.64
Bharat Petroleum Corp. Ltd. (BPCL)	397.70	795.39	1229.24	1627
Engineers India Ltd. (EIL)	202.15	202.16	219.01	168.47
Chennai Petroleum Corp. Ltd. (CPCL)	29.78	0.00	0.00	0
Biecco Lawrie Ltd.	0.00	0.00	Nil	Nil
Balmer Lawrie Ltd.	45.6	50.16	51.30	**39.9**
Numaligarh Refinery Ltd. (NRL)	73.56	73.56	117.70	294.25
Mangalore Refinery & Petrochemicals Ltd.	203.69	0.00	Nil	Nil
ONGC (Videsh) Ltd. (OVL)	0.00	0.00	Nil	Nil
Total	**13042.44**	**14063.84**	**14993.82**	**14652.99**

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

(Figures in ₹. /Crore)

Name of the PSU	2014-15		
	Authorised Capital	Paid up Capital	Govt. equity in the PSU
Oil & Natural Gas Corp. Ltd. (ONGC)	15000.00	4278.00	68.94
Oil India Ltd. (OIL)	2000.00	601.14	67.64
GAIL (INDIA) Ltd.	2000.00	1268.48	56.11
Indian Oil Corp. Ltd. (IOCL)	6000.00	2427.95	68.57
Hindustan Petroleum Corp. Ltd. (HPCL)	350.00	338.63	51.11
Bharat Petroleum Corp. Ltd. (BPCL)	2500.00	723.08	54.93
Engineers India Ltd. (EIL)	300.00	168.47	69.37
Chennai Petroleum Corp. Ltd. (CPCL)	400.00	149.00	Nil
Biecco Lawrie Ltd.	75.00	74.76	32.23 *
Balmer Lawrie Ltd.	60.00	28.50	Nil
Numaligarh Refinery Ltd. (NRL)	1000.00	735.63	12.35
Mangalore Refinery & Petrochemicals Ltd.	2000.00	1752.66	Nil
ONGC (Videsh) Ltd. (OVL)	10000.00	10000.00	Nil
Total	**41685.00**	**22546.30**	**449.02**

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

((Value in ₹. /crore))

Name of PSUs	Profit after tax during						
	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
(1)	*(2)*	*(3)*	*(4)*	*(5)*	*(6)*	*(7)*	*(8)*
Indian Oil Corporation Ltd.	2950.00	10221.00	7445.48	3954.62	5005.17	7019.09	5273.03
Bharat Petroleum Corporation Ltd.	736.00	1536.00	1546.48	1311.27	2642.9	4060.88	5085
Hindustan Petroleum Corporation Ltd.	575.00	1301.00	1539.01	911.43	904.71	1733.77	2733.26
Oil & Natural Gas Corporation Ltd.	16126.00	16126.00	18924.00	25123.00	20926	22094.81	17733
Oil India Ltd.	2162.00	2611.00	2888.00	3446.92	3,589.34	2,981.30	2,510.20
GAIL (India) Ltd.	2804.00	3140.00	3561.00	3654.00	4,022.00	4,375.27	3,039.00
Engineers India Ltd.	345.00	436.00	522.52	636.32	628.58	479.76	307.98
Chennai Petroleum Corporation Ltd.	-397.00	603.00	511.52	61.83	-1766.84	-303.85	-38.99
Biecco Lawrie Ltd.	-	-	3.75	-15.27	-14.74	-15.08	-15.7
Balmer Lawrie Ltd.	-	-	117.80	138.07	162.77	156.67	132
Numaligarh Refineries Ltd.	236.00	232.00	279.26	183.70	144.26	371.09	718.31
Mangalore Refinery & Petrochemicals Ltd.	1193.00	1112.00	1176.63	908.58	-756.91	601.18	-1712.23
ONGC (Videsh) Ltd. (OVL)	NA	2089.58	2690.55	2721.15	3,929.14	4,445.32	1,904.22
Total	**26730.00**	**39407.58**	**41206.00**	**43035.62**	**39416.38**	**48000.21**	**37669.08**

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 2014-15

Performance Parameters	Unit	ONGC	OVL	IOC	GAIL	HPCL	OIL	BPCL	CPCL	MRPL	NRL	EIL	Balmer Lawrie Ltd.	Biecco Lawrie Ltd.
(1)	*(2)*	*(3)*	*(4)*	*(5)*	*(6)*	*(7)*	*(8)*	*(9)*	*(10)*	*(11)*	*(12)*	*(13)*	*(14)*	*(15)*
Authorised Capital	Rs./Crore	15000.00	10000.00	6000.00	2000.00	350.00	2000.00	2500.00	400.00	2000.00	1000.00	300.00	60.00	75.00
Paid up Capital	Rs./Crore	4278.00	10000.00	2427.95	1268.48	338.63	601.14	723.08	149.00	1752.66	735.63	168.47	28.50	74.76
Govt. equity in the PSU	% age	68.94	Nil	68.57	56.11	51.11	67.64	54.93	Nil	Nil	12.35	69.37	Nil	32.23 *
Gross Turnover	Rs./Crore	83093.00	19148.89	450737.56	57292.00	217061.11	9748.23	253073.00	47877.82	62411.98	10827.05	1713.00	2930.00	30.32
PAT	Rs./Crore	17733.00	1904.22	5273.03	3039.00	2733.26	2510.20	5085.00	-38.99	-1712.23	718.31	307.98	132.00	-15.70
Debt equity ratio	Ratio	0.0096:1	0.68:1	0.81:1	0.33:1	1.13:1	38.80	0.58	3.26	1.66	0.16:1	Nil	Debt free	0.20
Reserves & Surpluses	Rs./Crore	140323.00	33326.90	65542.02	27851.00	15683.08	20913.17	21744.00	1506.07	3552.30	2619.35	2399.43	875.00	-106.73
Networth	Rs./Crore	143623.00	43326.90	67969.97	28888.00	16022.09	21497.56	22467.00	1655.08	5304.96	3354.98	2567.90	903.50	-31.97
Dividend paid / payable	Rs./Crore	8128.00	Nil	1602.45	761.00	829.64	1202.28	1627.00	0.00	Nil	294.25	168.47	39.90	Nil
Dividend as a %age of Equity	% age	190.00	Nil	66.00	60.00	245.00	200.00	225.00	0.00	Nil	40.00	100.00	140.00	NA
Dividend as a %age of PAT	% age	45.84	Nil	30.39	25.00	30.35	47.90	32.00	0.00	Nil	40.96	54.70	30.23	NA
EPS	Rs.	20.73	19.04	21.72	24.00	80.72	41.76	70.32	-2.62	-9.77	9.76	9.14	46.32	-2.10
Payout Ratio	% age	45.84	Nil	30.39	25.00	30.35	47.90	32.00	0.00	Nil	40.98	54.70	35.36	NA
Total outstanding loan	Rs./Crore	1393.00	29447.95	55247.54	9556.00	20335.00	8341.08	13098.00	5399.06	8816.54	668.64	Nil	Nil	14.72

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

* excluding holding of OIDB

X.6 Estimates of Crude Oil Production in 12th Plan (2012-17)

(Fig. in TMT)

Company	Crude Oil Production				
	2012-13**	2013-14**	2014-15*	2015-16	2016-17
ONGC	22561	22246	22264	26286	25456
OIL	3661	3466	3412	4160	4200
Pvt/JV	11640	12076	11785	12100	11500
Total	**37862**	**37788**	**37461**	**42546**	**41156**

*: Provisional **: Actual

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

X.7 Estimates for Natural Gas Production in 12th Plan (2012-17)

(Fig. in MMSCM)

Company	Natural Gas Production				
	2012-13**	2013-14**	2014-15*	2015-16	2016-17
ONGC	23549	23284	22022	28215	38676
OIL	2639	2626	2722	4100	4200
Pvt/JV	14491	9497	8912	18500	21000
Total	**40679**	**35407**	**33656**	**50815**	**63876**
Total (MMSCMD)	**111**	**97**	**92**	**137**	**172**

*: Provisional **: Actual

Note: Natural gas production estimates were revised on 30/04/2012.

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

X.8 Estimated Total Gas Availability during 12th Plan (2012-17)

(Fig. in MMSCMD)

Source	Gas Availability during 12th Plan				
	2012-13**	2013-14**	2014-15*	2015-16	2016-17
Domestic Sources	108.98	94.90	89.44	138.80	175.00
Imports-LNG	47.60	47.39	53.48	129.00	150.00
Total Availability	**156.57**	**142.29**	**142.92**	**267.80**	**325.00**

*: Provisional **: Actual

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

X.9: 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**
Producing Assets	Oil (MMT)	4.330	5.399	5.470	6.567	6.555	32.300
	Gas (BCM)	2.918	2.868	3.338	2.196	2.573	12.132
	Oil and Gas (MMTOE)	7.248	8.267	8.808	8.763	9.129	44.433
Development Assets	Oil	0.002	0.021	0.063	1.052	1.419	3.428
	Gas	0.000	0.001	0.003	0.910	0.910	3.030
	Oil and Gas (MMTOE)	0.002	0.022	0.066	1.957	2.324	6.461
Exploratory Asset	Oil	0.000	0.000	0.000	0.210	0.183	0.863
	Gas	0.000	0.000	0.000	--	--	--
	Oil and Gas (MMTOE)	0.000	0.000	0.000	0.210	0.183	0.863
Existing Assets	Total Oil (MMT)	4.332	5.420	5.172	7.829	8.157	36.591
Total	Total Gas (BCM)	2.918	2.869	3.323	3.101	3.478	15.165
	Total Oil & Gas (MMTOE)	***7.250***	***8.289***	***8.495***	***10.930***	***11.636***	***51.757***
New Ventures	Oil & Gas (MMTOE)	0.011	0.068	0.379	3.050	4.110	10.080
Grand Total	**Existing + NV (MMTOE)**	**7.261**	**8.357**	**8.874**	**13.980**	**15.746**	**61.837**

*: Provisional **: Actual

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

X.10 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	13.70	18.00
	Haldia	7.50	7.50	7.50	7.50	8.00
	Bongaigaon	2.35	2.35	2.35	2.35	2.35
	Mathura	8.00	8.00	8.00	8.00	11.00
	Panipat	15.00	15.00	15.00	15.00	15.00
	Paradip	0.00	0.00	0.00	0.00	15.00
	Sub-total	***54.20***	***54.20***	***54.20***	***54.20***	***77.00***
CPCL	Manali	10.50	10.50	10.50	10.50	11.10
	Nagapattinam	1.00	1.00	1.00	1.00	1.00
	Sub-total	***11.50***	***11.50***	***11.50***	***11.50***	***12.10***
HPCL	Mumbai	6.50	6.50	6.50	6.50	8.20
	Visakh	8.30	8.30	8.30	8.30	15.00
	New Refinery					9.00
	Sub-total	***14.80***	***14.80***	***14.80***	***14.80***	***32.20***
BPCL	Mumbai	12.00	12.00	12.00	12.00	13.50
	Kochi	9.50	9.50	9.50	9.50	15.50
	Sub-total	***21.50***	***21.50***	***21.50***	***21.50***	***29.00***
NRL	Numaligarh	3.00	3.00	3.00	3.00	8.00
BORL	Bina	6.00	6.00	6.00	6.00	9.00
HMEL	Bhatinda	9.00	9.00	9.00	9.00	9.00
MRPL	Mangalore	15.00	15.00	15.00	15.00	18.00
ONGC	Tatipaka	0.066	0.066	0.066	0.066	0.066
	Sub-total	***33.07***	***33.07***	***33.07***	***33.07***	***44.07***
Total PSU/JV refineries		**135.066**	**135.066**	**135.066**	**135.066**	**194.366**
Reliance	DTA, Jamnagar	33.00	33.00	33.00	33.00	33.00
	SEZ, Jamnagar	27.00	27.00	27.00	27.00	27.00
	Sub-total	***60.00***	***60.00***	***60.00***	***60.00***	***60.00***
ESSAR	Jamnagar	18.00	20.00	20.00	20.00	38.00
Nagarjuna	Cuddalore	0.00	0.00	0.00	0.00	15.00
Total Private Refineries		**78.00**	**80.00**	**80.00**	**80.00**	**113.00**
GRAND TOTAL		**213.066**	**215.066**	**215.066**	**215.066**	**307.366**

^: as on 01.04.2015 ***: as on 01.04.2014 **: as on 01.04.2013 *: as on 01.04.2012

X.11 Estimated Demand for Petroleum Products in 12th Plan (2012-17)

(Fig. in MMT)

Products	Demand of Petroleum Products					Total
	2012-13**	2013-14**	2014-15*	2015-16	2016-17	
1. Petroleum Products ('000MT)						
LPG	15.60	16.29	18.02	20.86	21.83	92.60
MS	15.74	17.13	19.08	20.77	22.59	95.30
NAPHTHA/NGL	12.29	11.31	10.94	11.02	11.02	56.58
ATF	5.27	5.51	5.58	7.85	8.54	32.74
SKO	7.50	7.16	7.09	7.03	6.75	35.54
HSDO	69.08	68.36	69.40	76.90	81.60	365.35
LDO	0.40	0.39	0.37	0.40	0.40	1.95
LUBES	3.20	3.31	2.96	2.95	3.04	15.45
FO/LSHS	7.66	6.24	6.02	7.87	7.87	35.65
BITUMEN	4.68	5.01	4.98	5.97	6.11	26.75
PET COKE	10.13	11.76	14.41	9.27	10.29	55.86
OTHERS	5.51	5.96	6.15	6.09	6.16	29.86
Total (Petroleum Products)	**157.06**	**158.41**	**164.99**	**176.97**	**186.21**	**843.63**
2. Natural Gas (MMSCMD) ^	**147.71**	**134.23**	**128.64**	**446.00**	**473.00**	**1329.58**

*: Provisional **: Actual ^: Inclused LNG

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

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

(Fig. in MMT)

Products	2012-13**	2013-14**	2014-15*	2015-16	2016-17	Total
1. Crude Processing	**219.212**	**222.497**	**223.242**	**261.828**	**286.618**	**1213.396**
2. Petroleum Products						
LPG	9.82	10.030	9.840	11.358	13.087	54.140
Naphtha	19.02	18.505	17.391	20.088	22.713	97.715
MS	30.12	30.275	32.325	36.003	38.763	167.484
HSD	91.10	93.759	94.428	106.222	116.520	502.031
ATF	10.09	11.220	11.103	14.316	16.037	62.764
SKO	7.97	7.418	7.559	9.400	9.743	42.091
LDO	0.40	0.423	0.358	0.163	0.218	1.561
FO/LSHS	15.05	13.405	11.919	11.186	10.084	61.649
BITUMEN	4.67	4.785	4.632	5.446	5.620	25.153
LUBES & GREASES	0.90	0.941	0.946	0.895	1.302	4.980
OTHERS	28.59	29.99	30.64	31.70	35.52	156.447
Total (Petroleum Products)	**217.74**	**220.756**	**221.136**	**246.776**	**269.611**	**1176.015**

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 2014

Country/ Region	Thousand million tonnes	Thousand million barrels	Share of toral	R/P ratio
(1)	(2)	(3)	(4)	(5)
US	5.9	48.5	2.85%	11.4
Canada	27.9	172.9	10.17%	*
Mexico	1.5	11.1	0.65%	10.9
Total North America	**35.3**	**232.5**	**13.67%**	**34.0**
Argentina	0.3	2.3	0.14%	10.1
Brazil	2.3	16.2	0.95%	18.9
Colombia	0.4	2.4	0.14%	6.8
Ecuador	1.2	8.0	0.47%	39.4
Peru	0.2	1.6	0.10%	40.2
Trinidad & Tobago	0.1	0.8		20.3
Venezuela	46.6	298.3	17.55%	*
Other S. & Cent. America	0.1	0.5	◆	9.6
Total S. & Cent. America	**51.2**	**330.2**	**19.43%**	*
Azerbaijan	1.0	7.0	0.41%	22.6
Denmark	0.1	0.6	◆	10.0
Italy	0.1	0.6	◆	14.5
Kazakhstan	3.9	30.0	1.76%	48.3
Norway	0.8	6.5	0.38%	9.5
Romania	0.1	0.6	◆	19.4
Russian Federation	14.1	103.2	6.07%	26.1
Turkmenistan	0.1	0.6	◆	6.9
United Kingdom	0.4	3.0	0.18%	9.8
Uzbekistan	0.1	0.6	◆	24.3
Other Europe & Eurasia	0.3	2.0	0.12%	14.0
Total Europe & Eurasia	**20.9**	**154.8**	**9.10%**	**24.7**
Iran	21.7	157.8	9.28%	*
Iraq	20.2	150.0	8.82%	*
Kuwait	14.0	101.5	5.97%	89.0
Oman	0.7	5.2	0.30%	15.0
Qatar	2.7	25.7	1.51%	35.5
Saudi Arabia	36.7	267.0	15.71%	63.6
Syria	0.3	2.5	0.15%	*
United Arab Emirates	13.0	97.8	5.75%	72.2
Yemen	0.4	3.0	0.18%	56.7
Other Middle East	†	0.2	◆	3.1
Total Middle East	**109.7**	**810.7**	**47.69%**	**77.8**
Algeria	1.5	12.2	0.7%	21.9
Angola	1.7	12.7	0.7%	20.3
Chad	0.2	1.5	0.1%	52.4
Rep. of Congo (Brazzaville)	0.2	1.6	0.1%	15.6
Egypt	0.5	3.6	0.2%	13.8
Equatorial Guinea	0.1	1.1	0.1%	10.7
Gabon	0.3	2.0	0.1%	23.2
Libya	6.3	48.4	2.8%	*
Nigeria	5.0	37.1	2.2%	43.0
South Sudan	0.5	3.5	0.2%	60.3
Sudan	0.2	1.5	0.1%	37.7
Tunisia	0.1	0.4	■	22.1
Other Africa	0.5	3.7	0.2%	40.0
Total Africa	**17.1**	**129.2**	**7.6%**	**42.8**
Australia	0.4	4.0	0.2%	24.3
Brunei	0.1	1.1	0.1%	23.8
China	2.5	18.5	1.1%	11.9
India	0.8	5.7	0.3%	17.6
Indonesia	0.5	3.7	0.2%	11.9
Malaysia	0.5	3.8	0.2%	15.4
Thailand	0.1	0.5	■	2.8
Vietnam	0.6	4.4	0.3%	33.0
Other Asia Pacific	0.1	1.1	0.1%	10.9
Total Asia Pacific	**5.7**	**42.7**	**2.5%**	**14.1**
Total World	**239.8**	**1700.1**	**100%**	**52.5**

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

Notes: 1. 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.

2. 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.

3. 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.

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

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

Source: BP Statistical Review of World Energy, June 2015.

XI.1 (b) World Proved Reserves of Natural Gas at end 2014

Country/ Region	Trillion cubic feet	Trillion cubic metres	Share of total	R/P ratio
(1)	(2)	(3)	(4)	(5)
US	345.0	9.8	5.2%	13.4
Canada	71.7	2.0	1.1%	12.5
Mexico	12.3	0.3	0.2%	6.0
Total North America	**428.97**	**12.15**	**6.5%**	**12.8**
Argentina	11.6	0.3	0.2%	9.3
Bolivia	10.5	0.3	0.2%	13.9
Brazil	16.4	0.5	0.2%	23.1
Colombia	5.7	0.2	0.1%	13.7
Peru	15.0	0.4	0.2%	33.0
Trinidad & Tobago	12.2	0.3	0.2%	8.2
Venezuela	197.1	5.6	3.0%	*
Other S. & Cent. America	2.0	0.1	•	21.8
Total S. & Cent. America	**270.63**	**7.66**	**4.1%**	**43.8**
Azerbaijan	41.2	1.2	0.6%	68.8
Denmark	1.2	0.0	•	7.6
Germany	1.5	0.0	•	5.6
Italy	1.7	0.0	•	7.5
Kazakhstan	53.2	1.5	0.8%	78.2
Netherlands	28.2	0.8	0.4%	14.3
Norway	67.9	1.9	1.0%	17.7
Poland	3.5	0.1	0.1%	23.6
Romania	3.9	0.1	0.1%	9.6
Russian Federation	1152.8	32.6	17.4%	56.4
Turkmenistan	617.3	17.5	9.3%	*
Ukraine	22.5	0.6	0.3%	34.3
United Kingdom	8.5	0.2	0.1%	6.6
Uzbekistan	38.3	1.1	0.6%	19.1
Other Europe & Eurasia	7.7	0.2	0.1%	32.7
Total Europe & Eurasia	**2049.46**	**58.03**	**31.0%**	**57.9**
Bahrain	6.4	0.2	0.1%	10.7
Iran	1201.4	34.0	18.2%	*
Iraq	126.7	3.6	1.9%	*
Israel	6.7	0.2	0.1%	25.3
Kuwait	63.0	1.8	1.0%	*
Oman	24.9	0.7	0.4%	24.3
Qatar	866.2	24.5	13.1%	*
Saudi Arabia	288.4	8.2	4.4%	75.4
Syria	10.1	0.3	0.2%	65.5
United Arab Emirates	215.1	6.1	3.3%	*
Yemen	9.5	0.3	0.1%	28.0
Other Middle East	0.2	0.0	•	40.4
Total Middle East	**2818.60**	**79.81**	**42.7%**	*
Algeria	159.1	4.5	2.4%	54.1
Egypt	65.2	1.8	1.0%	37.9
Libya	53.2	1.5	0.8%	*
Nigeria	180.1	5.1	2.7%	*
Other Africa	42.2	1.2	0.6%	60.3
Total Africa	**499.77**	**14.15**	**7.6%**	**69.8**
Australia	132.0	3.7	2.0%	67.6
Bangladesh	8.9	0.3	0.1%	10.7
Brunei	9.7	0.3	0.1%	23.3
China	122.2	3.5	1.9%	25.7
India	50.4	1.4	0.8%	45.0
Indonesia	101.5	2.9	1.5%	39.2
Malaysia	38.1	1.1	0.6%	16.2
Myanmar	10.0	0.3	0.2%	16.8
Pakistan	20.4	0.6	0.3%	13.8
Papua New Guinea	5.3	0.2	0.1%	31.0
Thailand	8.4	0.2	0.1%	5.7
Vietnam	21.8	0.6	0.3%	60.4
Other Asia Pacific	10.2	0.3	0.2%	15.6
Total Asia Pacific	**539.02**	**15.26**	**8.2%**	**28.7**
Total World	**6606.45**	**187.07**	**100.0%**	**54.1**

* 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.

2. 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.

3.Source of data - The estimates in this table have been compiled using a combination of primary official sources and third-party data from Cedigaz and the OPEC Secretariat.

Source: BP Statistical Review of World Energy, June 2015.

XI.2 World Crude Oil Production*

(Million Tonnes)

Country/Region	2007	2008	2009	2010	2011	2012	2013	2014	2014 share of total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
US	305.15	302.25	322.27	333.13	345.35	394.73	448.49	519.94	12.32%
Canada	155.29	152.88	152.81	160.29	169.80	182.59	194.38	209.80	4.97%
Mexico	172.23	156.90	146.66	145.60	144.52	143.86	141.85	137.10	3.25%
Total North America	**632.67**	**612.03**	**621.74**	**639.02**	**659.67**	**721.18**	**784.72**	**866.84**	**20.54%**
Argentina	37.98	36.54	33.57	33.04	30.61	30.43	29.89	29.52	0.70%
Brazil	95.18	98.89	105.75	111.37	114.06	112.06	109.81	122.11	2.89%
Colombia	27.99	31.07	35.32	41.39	48.21	49.86	52.88	52.15	1.24%
Ecuador	27.46	27.19	26.11	26.12	26.81	27.10	28.24	29.82	0.71%
Peru	4.62	4.71	4.84	5.06	4.91	4.78	4.57	4.91	0.12%
Trinidad & Tobago	8.24	8.66	7.59	7.35	6.93	5.96	5.74	5.55	0.13%
Venezuela	165.49	165.63	155.69	145.69	140.51	139.26	137.88	139.45	3.30%
Other S. & Cent. America	7.09	7.06	6.57	6.85	6.97	7.26	7.44	7.47	0.18%
Total S. & Cent. America	**374.05**	**379.75**	**375.44**	**376.87**	**379.00**	**376.71**	**376.45**	**390.98**	**9.26%**
Azerbaijan	42.60	44.51	50.42	50.84	45.63	43.37	43.46	42.04	1.00%
Denmark	15.17	14.04	12.90	12.16	10.94	9.98	8.68	8.13	0.19%
Italy	5.86	5.24	4.57	5.11	5.31	5.40	5.56	5.82	0.14%
Kazakhstan	67.13	70.74	76.48	79.52	80.04	79.21	81.79	80.85	1.92%
Norway	118.60	114.75	108.69	98.85	93.78	87.27	83.20	85.62	2.03%
Romania	4.75	4.72	4.50	4.29	4.22	3.98	4.13	4.04	0.10%
Russian Federation	496.78	493.68	500.82	511.78	518.78	526.06	531.02	534.07	12.65%
Turkmenistan	9.80	10.30	10.40	10.70	10.70	11.00	11.38	11.82	0.28%
United Kingdom	76.58	71.67	68.20	62.96	51.97	44.56	40.65	39.70	0.94%
Uzbekistan	4.93	4.78	4.46	3.65	3.59	3.17	3.16	3.10	0.07%
Other Europe & Eurasia	21.63	20.60	19.87	19.17	19.25	19.19	19.60	19.14	0.45%
Total Europe & Eurasia	**863.81**	**855.02**	**861.30**	**859.02**	**844.20**	**833.19**	**832.63**	**834.33**	**19.77%**
Iran	210.88	214.50	205.53	208.75	208.83	177.34	165.84	169.19	4.01%
Iraq	105.09	119.32	119.93	121.48	136.68	152.50	153.24	160.28	3.80%
Kuwait	129.95	136.12	121.23	123.37	140.84	153.98	151.54	150.85	3.57%
Oman	35.16	37.59	40.24	42.82	43.82	45.00	46.08	46.22	1.10%
Qatar	57.92	65.03	62.39	71.68	78.49	83.40	84.30	83.52	1.98%
Saudi Arabia	488.89	509.87	456.72	473.82	525.95	549.83	538.43	543.44	12.88%
Syria	20.12	20.29	19.97	19.17	17.58	8.52	2.96	1.64	#
United Arab Emirates	139.55	141.37	126.19	133.34	151.39	154.86	165.70	167.26	3.96%
Yemen	15.95	14.76	14.35	14.27	11.18	8.78	6.86	6.61	0.16%
Other Middle East	9.54	9.49	9.44	9.44	9.88	9.03	10.22	10.46	0.25%
Total Middle East	**1213.04**	**1268.35**	**1176.00**	**1218.14**	**1324.64**	**1343.24**	**1325.16**	**1339.48**	**31.74%**
Algeria	86.48	85.62	77.23	73.78	71.68	67.21	64.78	65.96	1.56%
Angola	82.07	93.07	87.62	90.53	83.80	86.88	87.31	83.03	1.97%
Chad	7.54	6.69	6.19	6.40	5.97	5.31	4.36	4.12	0.10%
Rep. of Congo (Brazzaville)	11.39	12.13	13.87	15.14	15.58	14.95	14.47	14.51	0.34%
Egypt	33.81	34.65	35.26	35.03	34.60	34.73	34.54	34.70	0.82%
Equatorial Guinea	15.89	16.06	14.14	12.63	11.65	12.71	12.43	13.12	0.31%
Gabon	12.28	12.02	12.03	12.73	12.68	12.27	11.78	11.78	0.28%
Libya	85.28	85.52	77.37	77.62	22.49	71.07	46.44	23.33	0.55%
Nigeria	110.16	102.79	106.57	120.88	117.84	115.53	110.67	113.48	2.69%
South Sudan	-	-	-	-	-	1.53	4.88	7.83	0.19%
Sudan	23.80	22.57	23.41	22.76	14.33	5.09	5.66	5.37	0.13%
Tunisia	4.61	4.21	3.95	3.77	3.25	3.19	2.88	2.49	0.06%
Other Africa	9.66	9.53	9.15	8.33	11.47	11.24	12.55	12.47	0.30%
Total Africa	**482.97**	**484.85**	**466.79**	**479.60**	**405.34**	**441.71**	**412.77**	**392.20**	**9.29%**
Australia	24.69	24.34	22.61	24.90	21.97	21.64	18.22	19.41	0.46%
Brunei	9.53	8.59	8.25	8.45	8.11	7.82	6.61	6.18	0.15%
China	186.32	190.44	189.49	203.01	202.88	207.48	209.96	211.43	5.01%
India	36.44	37.80	38.00	41.27	42.88	42.55	42.47	41.93	0.99%
Indonesia	47.83	49.43	48.41	48.62	46.31	44.62	42.70	41.21	0.98%
Malaysia	33.84	34.02	32.20	32.62	29.46	30.32	29.29	30.34	0.72%
Thailand	13.18	14.03	14.56	14.85	15.20	16.36	16.63	16.29	0.39%
Vietnam	16.27	15.22	16.67	15.25	15.46	17.03	17.05	17.78	0.42%
Other Asia Pacific	13.92	14.78	14.35	13.74	13.00	12.55	11.94	12.15	0.29%
Total Asia Pacific	**382.01**	**388.65**	**384.54**	**402.72**	**395.27**	**400.37**	**394.87**	**396.73**	**9.40%**
Total World	**3948.56**	**3988.65**	**3885.81**	**3975.36**	**4008.12**	**4116.39**	**4126.60**	**4220.56**	**100%**

Note: Growth rates are adjusted for leap years. Excludes liquid fuels from other sources such as biomass and coal derivatives. #: Less than 0.05%.

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

Source: BP Statistical Review of World Energy, June 2015.

XI.3 Crude Oil Production by OPEC Member Countries

(Million Tonnes)

OPEC Countries	2007	2008	2009	2010	2011	2012	2013	2014	2014 share of total
(1)	*(2)*	*(3)*	*(4)*	*(5)*	*(6)*	*(7)*	*(8)*	*(9)*	*(10)*
Ecuador**	27.50	27.20	26.10	26.10	26.80	27.10	28.20	29.82	1.68%
Venezuela	165.50	165.60	155.70	145.70	141.50	136.60	135.10	139.45	7.87%
Iran	210.90	214.50	205.50	208.80	208.20	177.10	166.10	169.19	9.55%
Iraq	105.10	119.30	119.90	121.50	136.70	152.50	153.20	160.28	9.05%
Kuwait	129.90	136.10	121.20	122.50	139.70	153.70	151.30	150.85	8.52%
Qatar	57.90	65.00	62.40	72.10	78.20	83.30	84.20	83.52	4.72%
Saudi Arabia	488.90	509.90	456.70	473.80	526.00	549.80	542.30	543.44	30.69%
United Arab Emirates	139.60	141.40	126.20	133.30	151.30	154.70	165.70	167.26	9.45%
Algeria	86.50	85.60	77.20	73.80	71.70	67.20	68.90	65.96	3.72%
Angola*	82.10	93.10	87.60	90.50	83.80	86.90	87.40	83.03	4.69%
Libya	85.30	85.50	77.40	77.70	22.50	71.10	46.50	23.33	1.32%
Nigeria	110.20	102.80	106.60	121.30	118.20	116.20	111.30	113.48	6.41%
Indonesia	47.80	49.40	48.40	48.60	46.30	44.60	42.70	41.21	2.33%
Total OPEC	**1737.20**	**1795.40**	**1670.90**	**1715.70**	**1750.90**	**1820.80**	**1782.90**	**1770.82**	**100%**

Notes: *: Angola joined OPEC in 2007.

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

Source: BP Statistical Review of World Energy, June 2015.

XI.4 World Production of Natural Gas*

Million tonnes oil equivalent

Country/Region	2007	2008	2009	2010	2011	2012	2013	2014	2014 share of total
(1)	*(2)*	*(3)*	*(4)*	*(5)*	*(6)*	*(7)*	*(8)*	*(9)*	*(10)*
US	498.60	521.70	532.71	549.50	589.81	620.16	629.76	668.18	21.37%
Canada	164.44	158.90	147.59	143.94	143.74	140.44	140.47	145.83	4.66%
Mexico	48.20	48.04	53.35	51.81	52.43	51.47	52.37	52.28	1.67%
Total North America	**711.24**	**728.65**	**733.64**	**745.24**	**785.98**	**812.08**	**822.60**	**866.30**	**27.70%**
Argentina	40.35	39.65	37.28	36.09	34.91	33.96	31.98	31.89	1.02%
Bolivia	12.43	12.86	11.08	12.79	14.02	15.99	18.26	19.29	0.62%
Brazil	10.11	12.57	10.74	13.13	15.06	17.34	16.87	18.04	0.58%
Colombia	6.79	8.15	9.46	10.14	9.86	10.78	11.37	10.65	0.34%
Peru	2.41	3.06	3.13	6.51	10.17	10.67	10.97	11.63	0.37%
Trinidad & Tobago	37.98	37.77	39.25	40.28	38.78	38.45	38.56	37.85	1.21%
Venezuela	32.52	29.49	27.91	24.69	24.84	26.53	25.60	25.73	0.82%
Other S. & Cent. America	3.48	3.33	3.82	3.25	2.81	2.65	2.39	2.39	0.08%
Total S. & Cent. America	**146.06**	**146.88**	**142.67**	**146.88**	**150.45**	**156.36**	**156.00**	**157.48**	**5.04%**
Azerbaijan	8.82	13.31	13.29	13.58	13.33	14.04	14.58	15.25	0.49%
Denmark	8.30	9.08	7.58	7.39	5.93	5.18	4.36	4.15	0.13%
Germany	12.87	11.72	10.96	9.56	9.00	8.14	7.40	6.95	0.22%
Italy	8.01	7.64	6.61	6.93	6.97	7.10	6.38	5.90	0.19%
Kazakhstan	13.58	15.24	14.77	14.33	15.72	16.54	16.75	17.33	0.55%
Netherlands	54.49	59.97	56.44	63.46	57.78	57.47	61.79	50.21	1.61%
Norway	81.28	90.10	93.95	96.53	91.14	103.25	97.87	97.94	3.13%
Poland	3.90	3.69	3.68	3.69	3.85	3.91	3.82	3.75	0.12%
Romania	10.37	10.28	10.13	9.77	9.81	9.84	9.77	10.30	0.33%
Russian Federation	532.83	541.55	474.89	529.98	546.31	533.05	544.24	520.86	16.66%
Turkmenistan	58.89	59.46	32.74	38.12	53.59	56.06	56.11	62.34	1.99%
Ukraine	16.86	17.10	17.35	16.66	16.79	16.73	17.35	16.70	0.53%
United Kingdom	64.87	62.67	53.71	51.42	40.71	34.99	32.83	32.93	1.05%
Uzbekistan	52.37	51.99	50.02	48.96	51.31	51.23	51.20	51.56	1.65%
Other Europe & Eurasia	9.60	9.17	9.12	9.11	8.54	7.89	6.77	5.99	0.19%
Total Europe & Eurasia	**937.04**	**962.96**	**855.24**	**919.50**	**930.79**	**925.41**	**931.22**	**902.14**	**28.85%**
Bahrain	10.61	11.39	11.49	11.77	11.96	12.36	14.20	15.22	0.49%
Iran	112.47	119.16	129.78	137.13	143.88	149.07	147.62	155.33	4.97%
Iraq	1.31	1.69	1.03	1.17	0.79	0.58	1.06	1.13	*
Kuwait	10.85	11.48	10.34	10.56	12.18	13.96	14.68	14.75	0.47%
Oman	21.64	21.65	22.29	24.40	23.87	27.02	27.46	26.10	0.83%
Qatar	56.88	69.28	84.81	113.68	145.02	153.42	158.84	159.51	5.10%
Saudi Arabia	66.98	72.40	70.61	78.89	83.03	89.40	90.03	97.42	3.12%
Syria	5.02	4.78	5.01	7.24	6.38	4.66	4.25	3.92	0.13%
United Arab Emirates	45.26	45.22	43.96	46.15	47.08	48.87	49.14	51.98	1.66%
Yemen	-	-	0.70	5.62	8.46	6.83	9.24	8.66	0.28%
Other Middle East	2.68	3.28	2.60	3.08	4.00	2.39	5.88	6.89	0.22%
Total Middle East	**333.70**	**360.31**	**382.62**	**439.70**	**486.63**	**508.57**	**522.41**	**540.91**	**17.30%**
Algeria	76.3	77.2	71.6	72.4	74.4	73.4	73.4	75.0	2.40%
Egypt	50.1	53.1	56.4	55.2	55.3	54.8	50.5	43.8	1.40%
Libya	13.8	14.3	14.3	15.1	7.1	11.0	9.9	11.0	0.35%
Nigeria	33.2	32.6	23.4	33.6	36.5	39.0	32.6	34.7	1.11%
Other Africa	10.9	13.9	14.2	15.7	15.9	15.8	17.9	17.8	0.57%
Total Africa	**184.27**	**191.07**	**179.96**	**192.01**	**189.22**	**193.84**	**184.23**	**182.37**	**5.83%**
Australia	36.0	34.4	38.1	41.3	41.9	46.4	48.0	49.8	1.59%
Bangladesh	14.3	15.3	16.7	17.9	18.1	19.0	20.4	21.2	0.68%
Brunei	11.0	10.9	10.3	11.1	11.5	11.3	11.0	10.7	0.34%
China	64.4	74.7	79.3	89.1	98.0	102.9	112.4	121.0	3.87%
India	27.1	27.5	35.3	45.8	41.5	36.3	30.3	28.5	0.91%
Indonesia	64.4	66.4	69.2	77.1	73.3	69.4	64.9	66.1	2.11%
Malaysia	55.4	57.4	55.0	56.3	56.0	55.4	60.5	59.8	1.91%
Myanmar	12.2	11.2	10.4	11.2	11.5	11.5	11.8	15.2	0.48%
Pakistan	36.5	37.3	37.4	38.1	38.1	39.4	38.4	37.8	1.21%
Thailand	23.4	25.9	27.8	32.6	33.3	37.3	37.6	37.9	1.21%
Vietnam	6.4	6.7	7.2	8.5	7.6	8.4	8.8	9.2	0.29%
Other Asia Pacific	15.6	16.5	16.7	16.4	16.6	16.4	16.9	21.0	0.67%
Total Asia Pacific	**366.60**	**384.17**	**403.41**	**445.27**	**447.22**	**453.59**	**461.11**	**478.07**	**15.29%**
Total World	**2678.92**	**2774.03**	**2697.54**	**2888.60**	**2990.30**	**3049.85**	**3077.56**	**3127.29**	**100%**

* Less than 0.05%

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

Note: Growth rates are adjusted for leap years.

Source: BP Statistical Review of World Energy, June 2015.

XI.5 World Consumption of Natural Gas

Million tonnes oil equivalent

Country/Region	2007	2008	2009	2010	2011	2012	2013	2014	2014 Share of total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
US	596.3	600.8	590.1	619.3	628.8	657.4	675.8	695.3	22.68%
Canada	86.6	86.5	85.4	85.5	90.8	90.2	93.5	93.8	3.06%
Mexico	57.1	59.7	65.0	65.2	68.9	71.9	76.2	77.2	2.52%
Total North America	**739.94**	**746.96**	**740.53**	**770.03**	**788.56**	**819.59**	**845.5**	**866.3**	**28.26%**
Argentina	39.5	40.0	38.9	39.0	41.1	42.3	42.9	42.4	1.38%
Brazil	19.1	22.4	18.1	24.1	24.0	28.5	33.6	35.7	1.16%
Chile	4.1	2.4	2.8	4.8	4.8	4.4	4.4	4.3	0.14%
Colombia	6.7	6.8	7.8	8.2	8.0	8.9	9.0	9.8	0.32%
Ecuador	0.4	0.4	0.5	0.5	0.5	0.6	0.5	0.6	*
Peru	2.4	3.1	3.1	4.9	5.5	6.1	5.9	6.5	0.21%
Trinidad & Tobago	19.7	19.2	19.9	20.9	21.0	20.0	20.2	19.8	0.64%
Venezuela	32.5	30.9	29.5	26.7	26.7	28.5	27.9	26.8	0.87%
Other S. & Cent. America	3.9	4.3	4.5	4.8	5.2	6.3	7.1	7.1	0.23%
Total S. & Cent. America	**128.45**	**129.33**	**125.23**	**133.75**	**136.88**	**145.52**	**151.58**	**153.06**	**4.99%**
Austria	8.0	8.6	8.4	9.1	8.5	8.1	7.6	7.0	0.23%
Azerbaijan	7.2	8.2	7.0	6.7	7.3	7.7	7.7	8.3	0.27%
Belarus	16.9	17.4	14.5	17.8	16.5	16.7	16.7	16.5	0.54%
Belgium	14.9	14.8	15.1	17.0	14.9	15.2	15.1	13.3	0.43%
Bulgaria	2.9	2.9	2.1	2.3	2.6	2.5	2.4	2.4	0.08%
Czech Republic	7.8	7.8	7.4	8.4	7.6	7.5	7.6	6.8	0.22%
Denmark	4.1	4.1	4.0	4.5	3.8	3.5	3.4	2.8	0.09%
Finland	3.5	3.6	3.2	3.6	3.1	2.7	2.6	2.2	0.07%
France	38.2	39.4	37.6	42.2	36.4	38.0	38.6	32.3	1.05%
Germany	74.6	73.1	70.2	75.0	67.1	70.5	74.2	63.8	2.08%
Greece	3.3	3.5	2.9	3.2	4.0	3.7	3.2	2.5	0.08%
Hungary	12.2	12.1	10.5	11.3	10.0	9.1	8.3	7.5	0.25%
Republic of Ireland	4.3	4.5	4.3	4.7	4.1	4.0	3.9	3.7	0.12%
Italy	70.0	70.0	64.4	68.6	64.3	61.8	57.8	51.1	1.67%
Kazakhstan	7.3	9.4	5.3	6.3	7.6	6.1	4.1	5.1	0.17%
Lithuania	3.3	2.9	2.5	2.8	3.1	3.0	2.4	2.3	0.08%
Netherlands	33.3	34.7	35.0	39.2	34.3	32.8	33.3	28.9	0.94%
Norway	3.8	3.9	3.7	3.7	4.0	3.9	4.0	4.2	0.14%
Poland	12.4	13.5	13.0	14.0	14.1	15.0	15.0	14.7	0.48%
Portugal	3.9	4.3	4.2	4.6	4.7	4.0	3.8	3.4	0.11%
Romania	14.5	14.3	11.9	12.2	12.5	12.2	11.3	10.6	0.34%
Russian Federation	379.8	374.4	350.7	372.7	382.1	374.6	372.1	368.3	12.01%
Slovakia	5.1	5.2	4.4	5.0	4.6	4.4	4.8	3.3	0.11%
Spain	31.8	34.9	31.2	31.1	28.9	28.6	26.1	23.7	0.77%
Sweden	0.9	0.8	1.0	1.4	1.1	1.0	1.0	0.8	*
Switzerland	2.6	2.8	2.7	3.0	2.7	2.9	3.1	2.7	0.09%
Turkey	32.5	33.8	32.1	35.1	40.2	40.7	41.1	43.7	1.43%
Turkmenistan	19.1	19.3	17.7	20.4	21.2	23.7	20.6	24.9	0.81%
Ukraine	56.9	54.0	42.1	47.0	48.3	44.6	41.0	34.6	1.13%
United Kingdom	81.9	84.4	78.4	84.8	70.4	66.5	66.1	60.0	1.96%
Uzbekistan	41.3	43.8	35.9	36.8	42.9	42.5	42.2	43.9	1.43%
Other Europe & Eurasia	16.2	15.7	13.9	15.0	15.2	15.1	13.7	13.4	0.44%
Total Europe & Eurasia	**1014.52**	**1022.20**	**937.35**	**1009.15**	**988.04**	**972.77**	**954.72**	**908.66**	**29.64%**
Iran	113.0	121.3	128.9	137.6	146.2	145.4	143.4	153.2	5.00%
Israel	2.5	3.4	3.8	4.8	4.5	2.3	6.3	6.8	0.22%
Kuwait	10.9	11.5	11.1	13.1	15.3	16.6	16.7	18.1	0.59%
Qatar	17.4	17.4	22.4	27.0	34.4	36.9	36.9	40.3	1.32%
Saudi Arabia	67.0	72.4	70.6	78.9	83.0	89.4	90.0	97.4	3.18%
United Arab Emirates	44.3	53.5	53.2	54.7	56.9	59.0	60.1	62.4	2.04%
Other Middle East	29.1	32.9	35.0	39.8	36.6	37.9	40.5	40.4	1.32%
Total Middle East	**284.14**	**312.33**	**324.97**	**355.89**	**376.84**	**387.46**	**393.93**	**418.64**	**13.66%**
Algeria	21.9	22.8	24.5	23.7	25.1	27.9	30.0	30.0	33.7
Egypt	34.5	36.8	38.3	40.6	44.7	47.3	46.3	46.3	43.2
South Africa	3.1	3.4	3.0	3.5	3.5	3.6	3.5	3.5	3.7
Other Africa	26.9	27.9	23.8	28.7	29.2	30.8	28.5	28.5	27.4
Total Africa	**86.41**	**90.85**	**89.63**	**96.50**	**102.49**	**109.66**	**108.23**	**108.23**	**3.53%**
Australia	23.9	23.0	22.7	23.4	23.9	25.1	26.3	26.3	0.86%
Bangladesh	14.3	15.3	16.7	17.9	18.1	19.0	20.4	21.2	0.69%
China	65.6	75.6	83.2	99.4	121.4	136.0	153.7	166.9	5.45%
China Hong Kong SAR	2.5	2.9	2.8	3.4	2.7	2.5	2.4	2.3	0.07%
India	36.3	37.4	47.1	56.4	57.2	53.2	46.3	45.6	1.49%
Indonesia	30.7	35.2	37.3	39.1	37.9	38.0	32.8	34.5	1.13%
Japan	81.2	84.4	78.7	85.1	94.9	102.2	102.2	101.2	3.30%
Malaysia	31.9	35.3	31.8	31.0	31.3	31.9	36.3	36.9	1.20%
New Zealand	3.6	3.4	3.6	3.9	3.5	3.8	4.0	4.3	0.14%
Pakistan	36.5	37.3	37.4	38.1	38.1	39.4	38.4	37.8	1.23%
Philippines	3.2	3.4	3.4	3.2	3.5	3.3	3.0	3.2	0.10%
Singapore	7.7	8.3	8.7	7.9	7.9	8.5	9.5	9.7	0.32%
South Korea	31.2	32.1	30.5	38.7	41.7	45.2	47.3	43.0	1.40%
Taiwan	9.6	10.5	10.2	12.7	14.0	14.7	14.7	15.5	0.50%
Thailand	31.8	33.6	35.3	40.5	41.9	46.1	47.0	47.4	1.55%
Vietnam	6.4	6.7	7.2	8.5	7.6	8.4	8.8	9.2	0.30%
Other Asia Pacific	5.4	5.1	4.6	5.2	5.6	5.6	5.7	5.6	0.18%
Total Asia Pacific	**421.98**	**449.37**	**461.38**	**514.41**	**551.01**	**582.80**	**598.78**	**610.74**	**19.92%**
Total World	**2675.45**	**2751.02**	**2679.09**	**2879.74**	**2943.81**	**3017.79**	**3052.76**	**3065.67**	**100%**

* Less than 0.05% Growth rates are adjusted for leap years.

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

Source: BP Statistical Review of World Energy, June 2015

XI.6 Productivity of Producing Well in OPEC Member Countries During 2014

Country	Wells	Average Daily Production ('000' bbl)	t/w/d
(1)	*(2)*	*(3)*	*(5)*
Algeria	2042	1192.80	79.4
Angola	1509	1653.70	149.0
Ecuador	3592	556.6	21.1
I.R.Iran	2281	3717.10	221.6
Iraq	1963	3110.50	215.5
Kuwait*	1760	2866.80	221.5
Libya	632	479.9	103.3
Nigeria	2010	1807.00	122.3
Qatar	500	709.2	192.9
Suadi Arabia*	3406	9712.70	387.8
U.A.E	1735	2794.00	219.0
Venezuela	14710	2682.00	24.8
Total OPEC	**36140**	**31282**	**117.7**

*: 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, 2015

XI.7 World Oil Refining Capacity

(Thousand barrels daily *)

Country/Region	2007	2008	2009	2010	2011	2012	2013	2014	2014 share of total
(1)	*(2)*	*(3)*	*(4)*	*(5)*	*(6)*	*(7)*	*(8)*	*(9)*	*(10)*
US	17594	17672	17584	17736	17322	17824	17925	17791	18.43%
Canada	1907	1951	1976	1913	2040	2050	1965	1965	2.04%
Mexico	1463	1463	1463	1463	1605.5	1605.5	1605.5	1521.9	1.58%
Total North America	**20964**	**21086**	**21023**	**21113**	**20967**	**21479**	**21495**	**21278**	**22.05%**
Argentina	628	628	630	633	640	643	609	622	0.64%
Brazil	1960	1973	1988	1988	2010	2001	2093	2235	2.32%
Netherlands Antilles	320	320	320	320	320	320	320	320	0.33%
Venezuela	1303	1303	1303	1303	1303	1303	1303	1303	1.35%
Other S. & Cent. America	2313	2359	2328	2298	2195	1619	1570	1589	1.65%
Total S. & Cent. America	**6524**	**6583**	**6569**	**6542**	**6468**	**5886**	**5895**	**6069**	**6.29%**
Belgium	781	786	786	787	788	753	776	776	0.80%
France	1962	1971	1873	1702	1610	1513	1375	1375	1.42%
Germany	2390	2366	2362	2091	2077	2097	2061	2060	2.13%
Greece	425	425	425	440	495	498	498	498	0.52%
Italy	2497	2396	2396	2396	2311	2200	2062	1984	2.06%
Netherlands	1236	1280	1280	1274	1276	1274	1274	1274	1.32%
Norway	316	316	316	316	316	316	316	316	0.33%
Russian Federation	5498	5419	5401	5511	5589	5785	6027	6338	6.57%
Spain	1362	1362	1362	1416	1416	1537	1537	1546	1.60%
Sweden	436	436	436	436	436	436	436	436	0.45%
Turkey	613	613	613	613	613	613	613	613	0.64%
United Kingdom	1819	1827	1757	1757	1787	1526	1498	1368	1.42%
Other Europe & Eurasia	5369	5340	5382	5500	5406	5108	5096	5140	5.33%
Total Europe & Eurasia	**24705**	**24537**	**24388**	**24240**	**24122**	**23656**	**23569**	**23724**	**24.58%**
Iran	1772	1805	1860	1860	1860	1892	1970	1985	2.06%
Iraq	735	727	754	862	923	954	994	1094	1.13%
Kuwait	936	936	936	936	936	936	936	936	0.97%
Saudi Arabia	2107	2107	2107	2107	2117	2122	2522	2822	2.92%
United Arab Emirates	625	680	700	700	705	710	710	1143	1.18%
Other Middle East	1381	1390	1536	1541	1553	1553	1555	1448	1.50%
Total Middle East	**7556**	**7645**	**7893**	**8006**	**8094**	**8167**	**8687**	**9428**	**9.77%**
Total Africa	**3034**	**3148**	**3009**	**3203**	**3152**	**3350**	**3509**	**3553**	**3.68%**
Australia	733	734	734	740	742	663	662	536	0.56%
China	8399	8722	9479	10302	10834	11933	13304	14098	14.61%
India	2983	2992	3574	3703	3795	4279	4319	4319	4.48%
Indonesia	1150	1052	1085	1139	1116	1041	1072	1095	1.13%
Japan	4650	4650	4630	4291	4274	4254	4123	3749	3.88%
Singapore	1427	1427	1427	1427	1427	1422	1414	1514	1.57%
South Korea	2671	2712	2712	2712	2860	2887	2887	2887	2.99%
Taiwan	1197	1197	1197	1197	1197	1197	1197	1197	1.24%
Thailand	1100	1165	1236	1230	1230	1230	1237	1242	1.29%
Other Asia Pacific	1448	1470	1630	1675	1692	1700	1826	1824	1.89%
Total Asia Pacific	**25758**	**26121**	**27704**	**28415**	**29167**	**30605**	**32042**	**32461**	**33.63%**
Total World	**88540**	**89119**	**90586**	**91519**	**91970**	**93142**	**95197**	**96514**	**100%**

* Atmospheric distillation capacity on a calendar-day basis.

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

Source: BP Statistical Review of World Energy, June 2015

XI.8 World Refinery Crude Throughput

(Thousand barrels daily*)

Country/Region	2007	2008	2009	2010	2011	2012	2013	2014	2014 share of total
(1)	*(2)*	*(3)*	*(4)*	*(5)*	*(6)*	*(7)*	*(8)*	*(9)*	*(10)*
US	15156	14648	14336	14724	14806	14999	15312	15844	20.62%
Canada	1908	1839	1773	1832	1734	1802	1763	1735	2.26%
Mexico	1261	1295	1184	1184	1166	1199	1224	1155	1.50%
S. & Cent. America	5456	5366	4899	4846	5050	4650	4773	4721	6.14%
Europe & Eurasia	20246	20251	19188	19324	19154	19212	18693	18858	24.54%
Middle East	6399	6395	6242	6338	6501	6430	6363	6656	8.66%
Africa	2372	2457	2292	2451	2168	2202	2182	2255	2.94%
Australasia	678	649	637	645	704	683	657	607	0.79%
China	6594	6828	7452	8408	8686	9199	9648	9986	13.00%
India	3107	3213	3641	3899	4085	4302	4462	4473	5.82%
Japan	3995	3946	3627	3619	3410	3400	3453	3289	4.28%
Other Asia Pacific	7488	7311	7201	7282	7383	7486	7252	7253	9.44%
Total World	**74660**	**74199**	**72473**	**74551**	**74847**	**75565**	**75782**	**76833**	**100%**

* Input to primary distallation units only.

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

Source: BP Statistical Review of World Energy, June 2015

XI.9 Country-wise World Oil Consumption*

Million Tonnes

Country/Region	2007	2008	2009	2010	2011	2012	2013	2014	2014 share of total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
US	928.8	875.4	833.2	850.1	834.9	817.0	832.1	836.1	19.85%
Canada	102.3	101.2	95.0	101.3	105.0	103.3	103.5	103.0	2.45%
Mexico	92.0	91.6	88.5	88.6	90.3	92.3	89.7	85.2	2.02%
Total North America	**1123.1**	**1068.2**	**1016.7**	**1040.0**	**1030.2**	**1012.6**	**1025.3**	**1024.4**	**24.32%**
Argentina	24.0	24.7	24.2	27.9	28.3	29.4	31.2	30.9	0.73%
Brazil	102.2	109.1	109.9	119.4	125.0	127.5	135.2	142.5	3.38%
Chile	17.0	17.8	17.4	15.4	16.8	16.7	16.8	16.7	0.40%
Colombia	10.7	11.7	10.7	11.9	12.8	13.9	13.9	14.5	0.34%
Ecuador	8.5	8.7	8.9	10.3	10.5	10.9	11.6	12.1	0.29%
Peru	7.1	8.0	8.2	8.6	9.5	9.6	10.2	10.4	0.25%
Trinidad & Tobago	1.6	1.8	1.7	1.9	1.7	1.6	1.6	1.6	▪
Venezuela	29.7	33.8	34.2	32.1	33.0	35.4	38.6	38.5	0.92%
Other S. & Cent. America	61.628425	58.629776	58.011316	58.679189	59.569706	59.348917	58.6	59.3	1.41%
Total S. & Cent. America	**262.6**	**274.3**	**273.2**	**286.3**	**297.2**	**304.3**	**317.8**	**326.5**	**7.75%**
Austria	13.4	13.4	12.8	13.4	12.7	12.5	12.7	12.6	0.30%
Azerbaijan	4.5	3.6	3.3	3.2	4.0	4.2	4.5	4.6	0.11%
Belarus	8.0	7.9	9.3	7.5	8.6	10.4	10.7	11.0	0.26%
Belgium	33.7	36.0	32.6	34.4	31.5	29.5	30.1	30.0	0.71%
Bulgaria	4.8	4.8	4.3	3.9	3.8	3.9	3.6	3.8	0.09%
Czech Republic	9.7	9.9	9.7	9.2	9.0	8.9	8.5	9.2	0.22%
Denmark	9.4	9.3	8.3	8.4	8.3	7.8	7.7	7.7	0.18%
Finland	10.6	10.5	9.9	10.4	9.6	9.1	8.9	8.6	0.20%
France	91.4	90.8	87.5	84.5	83.0	80.3	79.3	76.9	1.83%
Germany	112.5	118.9	113.9	115.4	112.0	111.4	113.4	111.5	2.65%
Greece	21.7	21.3	20.1	17.9	17.0	15.3	14.5	14.2	0.34%
Hungary	7.7	7.5	7.1	6.7	6.4	5.9	5.8	6.0	0.14%
Republic of Ireland	9.4	9.0	8.0	7.6	6.8	6.5	6.5	6.6	0.16%
Italy	84.0	80.4	75.1	73.1	70.5	64.2	60.8	56.6	1.34%
Kazakhstan	11.3	11.0	8.9	9.3	12.3	13.0	12.9	13.0	0.31%
Lithuania	2.8	3.1	2.6	2.7	2.6	2.7	2.6	2.5	0.06%
Netherlands	50.7	47.3	45.9	45.9	46.1	43.7	41.4	39.6	0.94%
Norway	10.7	10.4	10.6	10.8	10.6	10.5	10.8	10.3	0.25%
Poland	24.2	25.3	25.3	26.7	26.6	25.7	23.8	23.8	0.56%
Portugal	14.7	14.1	13.2	13.0	12.1	11.0	11.5	11.4	0.27%
Romania	10.3	10.4	9.2	8.8	9.1	9.2	8.4	9.0	0.21%
Russian Federation	130.0	133.9	128.2	134.3	143.5	145.7	146.8	148.1	3.52%
Slovakia	3.6	3.9	3.7	3.9	3.9	3.6	3.6	3.5	0.08%
Spain	80.3	77.9	73.5	69.6	68.5	64.2	59.0	59.5	1.41%
Sweden	16.9	16.7	15.5	16.2	14.8	14.6	14.4	14.4	0.34%
Switzerland	11.3	12.1	12.3	11.4	11.0	11.2	11.8	10.6	0.25%
Turkey	33.6	32.1	32.5	31.8	31.1	31.6	33.6	33.8	0.80%
Turkmenistan	5.2	5.4	5.2	5.7	6.0	6.2	6.2	6.4	0.15%
Ukraine	14.7	14.3	13.5	12.6	13.1	12.4	11.9	10.2	0.24%
United Kingdom	79.2	77.9	74.4	73.5	71.1	71.0	69.3	69.3	1.65%
Uzbekistan	4.7	4.6	4.3	3.6	3.4	3.0	3.0	3.1	0.07%
Other Europe & Eurasia	32.5	33.2	32.7	32.5	32.5	31.1	31.1	31.3	0.74%
Total Europe & Eurasia	**957.7**	**956.7**	**913.3**	**907.7**	**901.6**	**880.4**	**869.3**	**858.9**	**20.40%**
Iran	89.4	93.3	95.6	86.8	88.3	89.6	95.1	93.2	2.21%
Israel	12.1	11.8	11.0	10.8	11.4	13.5	10.3	10.1	0.24%
Kuwait	17.9	19.0	20.4	21.6	20.4	21.5	22.3	22.2	0.53%
Qatar	5.3	6.1	6.0	6.5	7.8	8.1	9.3	10.1	0.24%
Saudi Arabia	98.1	106.8	115.9	123.7	124.6	131.3	132.4	142.0	3.37%
United Arab Emirates	28.9	30.1	28.9	30.8	33.4	34.6	36.2	39.3	0.93%
Other Middle East	62.4	69.1	70.3	73.9	74.3	76.2	76.8	76.0	1.80%
Total Middle East	**314.1**	**336.3**	**348.1**	**354.2**	**360.2**	**374.8**	**382.5**	**393.0**	**9.33%**
Algeria	12.9	14.0	14.9	14.8	15.8	16.9	17.7	18.0	0.43%
Egypt	30.6	32.6	34.4	36.3	33.7	35.2	35.7	38.7	0.92%
South Africa	26.6	25.7	24.2	26.6	27.7	28.0	27.8	29.1	0.69%
Other Africa	75.0	80.7	82.4	86.6	82.1	88.2	91.0	93.6	2.22%
Total Africa	**145.0**	**153.1**	**155.9**	**164.3**	**159.3**	**168.3**	**172.2**	**179.4**	**4.26%**
Australia	42.5	43.3	42.9	43.6	45.8	47.4	46.9	45.5	1.08%
Bangladesh	3.7	3.8	3.5	3.9	5.1	5.4	5.3	5.7	0.14%
China	369.3	376.0	388.2	437.7	460.0	482.7	503.5	520.3	12.35%
China Hong Kong SAR	16.4	14.8	16.9	18.3	18.4	17.6	18.0	17.0	0.40%
India	138.1	144.7	152.6	155.4	163.0	173.6	175.3	180.7	4.29%
Indonesia	60.9	60.4	61.6	66.9	72.0	73.2	73.1	73.9	1.75%
Japan	230.9	224.8	200.4	202.7	203.6	217.0	207.5	196.8	4.67%
Malaysia	30.8	29.5	29.2	29.3	31.1	32.7	34.5	35.2	0.84%
New Zealand	7.1	7.2	6.9	7.0	7.0	7.0	7.0	7.2	0.17%
Pakistan	19.2	19.9	21.7	21.2	21.5	20.4	21.8	22.6	0.54%
Philippines	14.1	12.4	12.5	12.8	12.8	13.1	13.6	14.3	0.34%
Singapore	48.3	51.4	55.5	61.0	64.1	63.5	64.7	66.2	1.57%
South Korea	107.6	103.1	103.7	105.0	105.8	108.8	108.3	108.0	2.57%
Taiwan	51.2	45.9	44.0	45.3	42.6	42.5	43.4	43.9	1.04%
Thailand	45.1	43.8	45.7	47.5	49.0	52.1	52.2	53.0	1.26%
Vietnam	13.3	14.1	14.6	15.6	17.0	17.1	17.7	18.7	0.44%
Other Asia Pacific	16.419382	15.353116	15.956774	16.230107	18.209196	18.854117	19.021534	19.722343	0.47%
Total Asia Pacific	**1214.8**	**1210.5**	**1215.8**	**1289.5**	**1336.9**	**1392.9**	**1412.1**	**1428.9**	**33.93%**
Total World	**4017.3**	**3999.0**	**3922.9**	**4041.8**	**4085.4**	**4133.2**	**4179.1**	**4211.1**	**100%**

* 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%

Growth rates are adjusted for leap years.

Notes: Differences between these world consumption figures and world production statistics are accounted for by stock changes, consumption of non-petroleum additives and substitute

Source: BP Statistical Review of World Energy, June 2015

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

(Thousand barrels daily)

Country/Region	2007	2008	2009	2010	2011	2012	2013	2014	2014 share of total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Light distillates	11200	10859	10839	10943	10697	10572	10772	10837	46.42%
Middle distillates	7318	6934	6281	6567	6694	6409	6518	6773	29.01%
Fuel oil	1081	941	801	810	745	662	576	447	1.91%
Others	5509	5126	5036	5191	5194	5283	5498	5289	22.65%
Total North America	**25109**	**23860**	**22957**	**23511**	**23330**	**22926**	**23364**	**23347**	**100%**
Light distillates	9597	9253	9257	9263	9022	8932	9125	9164	48.14%
Middle distillates	6199	5801	5241	5464	5518	5278	5371	5604	29.44%
Fuel oil	718	609	508	532	459	367	317	256	1.35%
Others	4166	3827	3766	3921	3883	3913	4147	4012	21.08%
Total US	**20680**	**19490**	**18771**	**19180**	**18882**	**18490**	**18961**	**19035**	**100%**
Light distillates	1600	1681	1788	1883	1952	1997	2110	2232	31.33%
Middle distillates	2101	2160	2130	2353	2474	2600	2716	2748	38.57%
Fuel oil	745	764	725	698	680	690	719	750	10.52%
Others	1226	1306	1286	1285	1349	1312	1368	1395	19.58%
Total S. & Cent. America	**5672**	**5911**	**5930**	**6220**	**6454**	**6599**	**6913**	**7125**	**100%**
Light distillates	3705	3501	3423	3371	3151	3009	2925	2850	20.64%
Middle distillates	7591	7789	7519	7545	7496	7383	7409	7372	53.38%
Fuel oil	1605	1546	1378	1256	1188	1059	964	898	6.50%
Others	3200	3134	2997	2971	2877	2711	2711	2689	19.47%
Total Europe	**16101**	**15970**	**15317**	**15144**	**14712**	**14162**	**14009**	**13809**	**100%**
Light distillates	1206	1265	1237	1290	1298	1325	1366	1367	30.76%
Middle distillates	1285	1347	1225	1333	1478	1506	1511	1476	33.23%
Fuel oil	437	411	395	366	385	377	391	472	10.61%
Others	1070	1023	1036	992	1135	1182	1173	1128	25.39%
Total Former Soviet Union	**3998**	**4047**	**3893**	**3981**	**4295**	**4389**	**4441**	**4443**	**100%**
Middle East									
Light distillates	1505	1612	1653	1712	1788	1860	1895	1953	22.43%
Middle distillates	2254	2303	2406	2434	2547	2678	2724	2709	31.12%
Fuel oil	1591	1761	1890	1922	1949	2007	2083	2175	24.98%
Others	1414	1536	1581	1698	1701	1751	1749	1870	21.47%
Total Middle East	**6764**	**7212**	**7530**	**7766**	**7985**	**8296**	**8450**	**8706**	**100%**
Light distillates	709	765	800	841	825	876	887	916	24.30%
Middle distillates	1402	1483	1512	1614	1617	1679	1736	1827	48.08%
Fuel oil	426	440	434	456	385	422	442	461	12.12%
Others	524.6826	541.4298	554.8536	569.0721	562.7082	584.0019	583.785	596.5895	15.70%
Total Africa	**3062**	**3229**	**3301**	**3479**	**3390**	**3561**	**3650**	**3800**	**100%**
Light distillates	7585	7573	7855	8642	8869	9274	9639	9976	32.33%
Middle distillates	9291	9404	9475	9930	10313	10753	10856	10998	35.64%
Fuel oil	3562	3390	3032	3041	3119	3223	2984	2775	8.99%
Others	5597	5520	5776	6152	6507	6664	6935	7108	23.04%
Total Asia Pacific	**26035**	**25887**	**26138**	**27766**	**28808**	**29914**	**30415**	**30856**	**100%**
Light distillates	2036	2125	2230	2767	2970	3120	3306	3545	32.07%
Middle distillates	2869	3079	3178	3430	3660	3951	4001	4136	37.41%
Fuel oil	899	776	662	666	588	560	588	537	4.86%
Others	2013	1957	2141	2403	2572	2600	2769	2837	25.66%
Total China	**7817**	**7937**	**8212**	**9266**	**9791**	**10231**	**10664**	**11056**	**100%**
Light distillates	1731	1615	1636	1696	1633	1616	1641	1570	36.53%
Middle distillates	1621	1502	1381	1391	1343	1360	1353	1321	30.72%
Fuel oil	657	707	450	442	577	811	636	537	12.49%
Others	1005	1024	922	913	887	901	891	871	20.26%
Total Japan	**5014**	**4848**	**4389**	**4442**	**4439**	**4688**	**4521**	**4298**	**100%**
Light distillates	27510	27255	27594	28683	28580	28911	29595	30131	32.72%
Middle distillates	31243	31421	30548	31776	32618	33008	33471	33903	36.82%
Fuel oil	9447	9253	8657	8549	8451	8440	8160	7976	8.66%
Others	18540	18187	18268	18859	19325	19487	20018	20076	21.80%
Total World	**86741**	**86115**	**85066**	**87867**	**88974**	**89846**	**91243**	**92086**	**100%**
Light distillates	18081	17397	17375	17537	17075	16897	17032	16989	37.70%
Middle distillates	17616	17290	16213	16573	16641	16319	16455	16640	36.93%
Fuel oil	3711	3509	2902	2768	2741	2776	2390	2053	4.56%
Others	10248	9845	9559	9640	9543	9472	9656	9376	20.81%
Total OECD	**49656**	**48042**	**46049**	**46518**	**46001**	**45464**	**45533**	**45057**	**100%**
Light distillates	9429	9858	10219	11146	11504	12014	12563	13143	27.95%
Middle distillates	13626	14130	14335	15203	15977	16689	17016	17263	36.71%
Fuel oil	5736	5744	5754	5781	5710	5664	5769	5923	12.59%
Others	8293	8342	8710	9219	9782	10015	10362	10700	22.75%
Total Non-OECD	**37084**	**38074**	**39018**	**41349**	**42973**	**44382**	**45710**	**47029**	**100%**
Light distillates	3498	3310	3202	3164	2958	2825	2739	2680	21.39%
Middle distillates	6985	7147	6878	6917	6854	6723	6707	6684	53.36%
Fuel oil	1496	1451	1289	1190	1117	992	884	828	6.61%
Others	2835	2801	2631	2597	2521	2381	2366	2336	18.64%
Total European Union	**14815**	**14709**	**14001**	**13868**	**13451**	**12921**	**12696**	**12527**	**100%**

Note: 1. 'Light distillates' consists of aviation and motor gasolines and light distillate feedstock (LDF).

2. 'Middle distillates' consists of jet and heating kerosines, and gas and diesel oils (including marine bunkers).

3. 'Fuel oil' includes marine bunkers and crude oil used directly as fuel.

4. 'Others' consists of refinery gas, liquified petroleum gas (LPG), solvents, petroleum coke, lubricants, bitumen, wax, other refined products and refinery fuel and loss.

Source: BP Statistical Review of World Energy, June 2015

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

(Million Tonnes)

Country/Region	2013				2014*			
	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	784.72	1025.30	-240.58	-23.46	866.84	1024.40	-157.56	-15.38
South & Central America	376.45	317.80	58.65	18.46	390.98	326.50	64.48	19.75
Middle East	1325.16	382.50	942.66	246.45	1339.48	393.00	946.48	240.83
Africa	412.77	172.20	240.57	139.70	392.20	179.40	212.80	118.62
Asia Pacific	394.87	1412.10	-1017.23	-72.04	396.73	1428.90	-1032.17	-72.24
of which India	42.47	175.30	-132.83	-75.77	41.93	180.70	-138.77	-76.80
Japan	-	207.50	-	-	-	196.80	-	-
China	209.96	503.50	-293.54	-58.30	211.43	520.30	-308.87	-59.36
Australia	18.22	46.90	-28.68	-61.15	19.41	45.50	-26.09	-57.34
Europe & Eurasia	832.63	869.30	-36.67	-4.22	834.33	858.90	-24.57	-2.86
Total World	**4126.60**	**4179.20**	-52.60	-1.26	**4220.56**	**4211.10**	**9.46**	**0.22**

Note *: Provisional

Source : BP Statistical Review of World Energy, June 2015

XI.12 World Crude Oil and Petroleum Products Imports and Exports during 2014

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	365.4	90.1	16.9	179.9	7338	1883	339	3760
Canada	29.9	26.9	148.6	26.3	600	562	2985	550
Mexico	†	30.6	56.5	7.4	‡	641	1135	155
S. & Cent. America	22.2	85.5	164.0	30.4	445	1787	3294	635
Europe	446.9	173.5	11.6	98.6	8974	3627	232	2061
Former Soviet Union	0.1	6.4	294.8	144.1	1.7	134	5921	3012
Middle East	11.4	43.2	850.1	128.6	230	904	17073	2688
North Africa	9.7	24.9	62.1	24.6	194	521	1248	514
West Africa	0.2	18.6	213.9	6.5	4.3	390	4296	136
East & Southern Africa	11.0	18.1	9.3	0.7	221	379	187	15
Australasia	26.4	23.6	12.0	3.3	530	492	241	69
China	309.2	63.7	0.4	25.8	6209	1331	8	539
India	189.7	19.9	†	61.3	3809	415	0.8	1281
Japan	168.5	45.5	†	13.3	3383	950	‡	278
Singapore	45.6	102.4	0.3	71.3	916	2140	6	1489
Other Asia Pacific	240.3	138.7	35.7	89.5	4826	2899	718	1871
Total World	**1876.4**	**911.5**	**1876.3**	**911.5**	**37681.9**	**19054.4**	**37681.5**	**19054.4**

† 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 2015

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

(1,000 bbl/day)

Country	2007	2008	2009	2010	2011	2012	2013	2014
(1)	*(2)*	*(3)*	*(4)*	*(5)*	*(6)*	*(7)*	*(8)*	*(9)*
Crude Oil								
Algeria	1253	841	747	709	698	809	744	623
Angola	1158	1044	1770	1683	1543	1663	1669	1608
Ecquador	342	348	329	340	334	358	388	422
I.R. Iran	2639	2574	2406	2583	2537	2102	1215	1109
Iraq	1643	1855	1906	1890	2166	2423	2390	2516
Kuwait	1613	1739	1348	1430	1816	2070	2058	1995
Libya	1378	1403	1170	1118	300	962	589	41
Nigeria	2144	2098	2160	2464	2377	2368	2193	2120
Qatar	615	703	647	586	588	588	599	595
Southi Arabia	6962	7322	6268	6644	7218	7557	7571	7153
UAE	2343	2334	1953	2103	2330	2657	2701	2497
Venezuela	2116	1770	1608	1562	1553	1725	1528	1965
O P E C	**24206**	**24031**	**22312**	**23112**	**23460**	**25282**	**23645**	**22644**
Refined Petroleum Products								
Algeria	451	457	232	314	492	450	453	583
Angola	27	41	41	8	26	26	33	31
Ecuador	40	42	34	28	29	28	20	8
I.R. Iran	388	275	301	371	441	456	394	470
Iraq	66	85	26	5	164	472	12	9
Kuwait	739	708	674	632	629	661	805	751
Libya	198	157	136	48	21	40	76	15
Nigeria	53	19	12	23	24	8	23	49
Qatar	74	98	249	322	509	465	511	522
Saudi Arabia	1139	1058	1008	951	902	862	794	988
UAE	408	359	374	188	227	225	803	760
Venezuela	639	912	956	751	786	675	713	312
O P E C	**4222**	**4211**	**4043**	**3641**	**4250**	**4368**	**4637**	**4498**

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

na: not available

Source: OPEC Annual Statistical Bulletin 2015

XI.14 World Imports of Natural Gas by Country

(Million Standard Cubic Metres)

Country/Region	2007	2008	2009	2010	2011	2012	2013	2014*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
North America	**143850**	**130250**	**127071**	**128562**	**127975**	**120165**	**108272**	**98486**
Canada	13200	15900	20830	22622	29740	31312	26,622	22,158
United States	130650	114350	106241	105940	98235	88853	81,650	76,328
Latin America	**26300**	**29810**	**28910**	**37868**	**43531**	**52784**	**54998**	**56855**
Argentina	1680	1300	2660	3610	7560	8700	11200	11,088
Brazil	10020	11030	8440	12600	10482	13850	16980	17,320
Chile	2380	750	1490	3410	3920	3830	3778	3,715.00
Dominican Republic	480	470	560	802	882	1280	na	na
Mexico	10810	13880	13160	15150	18060	21827	18529	20,141
Puerto Rico	740	810	760	770	750	1360	na	na
Uruguay	90	70	40	80	80	60	na	na
Venezuela	100	1500	1800	1446	1797	1877	1821	1,839
Others	na	na	na	na	na	na	2690	2752
Eastern Europe & Eurasia	**184010**	**189050**	**137130**	**145874**	**155153**	**136650**	**130987**	**124628**
Armania	1900	2300	2050	1750	1873	1900	1900	1910
Belarus	20600	21100	17570	21600	21850	20252	20260	20052
Bulgaria	3050	3100	2640	2160	2640	2540	2768	2765
Czech Republic	8630	8610	9570	11140	11280	7398	8478	10173.6
Estonia	1000	630	710	360	650	610	na	na
Georgia	1200	1130	200	200	200	172	na	na
Hungary	10450	11500	8100	7510	6910	6080	6130	6313.9
Kazakhstan	6600	5800	7400	6690	6590	6500	6500	6695
Kyrghyzstan	900	1200	1200	190	250	250	na	na
Latvia	1200	750	1190	660	1550	1050	1060	954
Lithuania	3400	3090	2740	2630	3000	2450	2450	2609
Maldova	2700	2800	2900	2920	2900	2900	2900	2900
Poland	9280	10280	9150	10150	11170	11270	12690	12424
Romania	4500	4500	2050	2150	2650	2000	1100	880
Russia	51500	56200	28100	34389	33110	33770	28010	29130.4
Slovak Republic	5600	5600	5400	6425	5830	5000	5100	5100
Tadzhikistan	600	700	700	700	700	700	700	700
Ukraine	54000	52720	35460	34250	42000	30890	28023	19133
Others	-	-	2110	750	1100	1950	2918	2889.4
Western Europe	**377580**	**405855**	**394627**	**428413**	**420404**	**416851**	**416593**	**416634**
Austria	7000	8100	7190	7530	9780	7810	6390	7668
Belgium	21080	21140	21760	31330	29920	28580	32080	30476
Bosnia/Herzegovina	320	310	220	210	260	240	240	244.8
Croatia	1200	1260	1200	1170	820	1340	1340	1089
Denmark	-	0	0	150	370	250	-	
Finland	4320	4500	4100	4782	3940	3661	3484	3057
France	46920	49250	49060	46199	47320	47708	47873	45134
Germany	82900	92765	94572	93980	89310	90530	95900	105490
Greece	4010	4140	3290	3815	4762	4376	3866	2928
Ireland	4700	5000	5080	5261	5290	4522	4401	4323
Italy	73880	76870	69310	75348	69930	67802	61953	55758
Luxembourg	1300	1200	1300	1366	1250	1206	1028	973
Macedonia, f Yug Rep	80	70	80	77	100	100	-	
Netherlands	18360	17970	16980	16970	14300	15410	15730	16988.4
Portugal	4140	4560	4410	5109	5000	4904	4884	4453
Serbia/Montenegro	2100	2150	1550	1933	1878	2240	2240	2242.2
Slovenia	1100	1000	890	880	770	730	-	
Spain	35130	39060	35430	36716	35520	36754	35399	36383
Sweden	1110	1000	1310	1642	1296	1129	1085	891
Switzerland	2990	3190	3625	3165	3190	3333	3736	4109.6
Turkey	36160	36850	33180	36930	42560	44300	43710	49043
United Kingdom	29960	36540	41060	53850	52838	49100	48944	43405
Others	-	-	-	1107	1240	1906	2310	1978
Middle East	**25800**	**35280**	**39100**	**41048**	**44674**	**38809**	**38997**	**37586**
Iran, I.R.	7300	7100	5800	7243	11659	6720	5329	4422
Jordan	2350	2720	2850	2520	830	800	1200	1212
Kuwait	-	-	890	890	688	688	571	571
Oman	-	350	1500	1900	1950	1950	1950	1969.5
Syrian Arab Republic	-	140	910	690	552	350	350	175
United Arab Emirates	16150	24970	25450	25705	28275	28201	29047	28756.5
Others	-	-	1700	2100	720	100	550	480
Africa	**4150**	**4950**	**5250**	**4790**	**5230**	**6000**	**6400**	**6050**
Morocco	-	500	500	500	550	500	500	500
South Africa	2900	3200	3500	3040	3300	3600	3700	3130
Tunisia	1250	1250	1250	1250	1380	1900	2200	2420
Asia Pacific	**157470**	**164660**	**160551**	**212122**	**241180**	**271709**	**293486**	**295500**
China	3870	4440	7630	16350	30490	39700	51800	55944
India	9980	10790	12620	12150	16390	17900	17100	17098.3
Japan	88820	92250	85900	98015	104000	122243	122489	123908
Korea, South	34390	36550	34320	43579	48780	47311	53157	49017
Malaysia	-	500	900	2938	1990	2340	-	
Singapore	7680	9970	10800	8553	8460	8310	-	
Chinese Taipei	11010	12080	11790	15890	15930	16694	16798	16831.6
Thailand	9400	8550	8291	8810	9580	9844	10472	10592
Others	-	-	-	17328	16010	18017	21670	22109.5
Total World	**919160**	**959855**	**892639**	**998677**	**1038147**	**1042968**	**1049733**	**1035739**

na: not available *: Provisional

Source : OPEC Annual Statistical Bulletin, 2015

XI.15 World Imports of Petroleum Products by Country

(1,000 Barrels/ Day)

Country	2007	2008	2009	2010	2011	2012	2013	2014*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
NORTH AMERICA	**2713**	**2415**	**2103**	**2005**	**1905**	**1698**	**1571**	**1605**
Canada	282	330	279	251	308	263	224	249
United States	2426	2080	1819	1748	1597	1435	1347	1356
Others	5	5	5	6	-	-	-	-
LATIN AMERICA	**1849**	**1946**	**1792**	**2235**	**2482**	**2521**	**2360**	**2413**
Brazil	320	344	309	501	656	568	544	610
Cuba	77	79	9	38	27	25	28	30
Ecuador	-	-	88.0	119	104	118.0	133	157
Mexico	427	478	455	654	705	698	607	525
Netherland Antilles	66	66	87	45	45	45	45	45
Panama	43	43	43	64	69	73	66	68
Venezuela			68	72	68	145	133	158
Others	916	938	733	742	808	849	804	820
Eastern Europe and Eurasia	**398**	**353**	**390**	**792**	**918**	**962**	**847**	**882**
Bulgaria	34	30	30	37	34	37	38	41
Russia	11	11	11	57	86	36	8	25
Hungary	47	45	44	57	51	47	45	48
Poland	139	120	160	138	144	118	121	114
Others	166	146	145	503	603	724	635	654
WESTERN EUROPE	**5984**	**6207**	**6572**	**7433**	**7515**	**7232**	**7151**	**7050**
Belgium	357	439	362	450	473	444	556	491
France	693	700	776	839	833	915	889	905
Germany	583	704	667	757	699	687	807	784
Italy	242	230	240	390	366	347	268	255
Netherlands	1368	1459	1632	1766	1999	1888	1857	1802
United Kingdom	495	437	476	677	662	679	604	611
Others	2246	2238	2419	2554	2483	2272	2170	2202
MIDDLE EAST	**555**	**535**	**667**	**1063**	**1064**	**1294**	**1264**	**1316**
IR Iran	-	-	182	107	30	6	15	40
Iraq	-	-	49	48	62	103	84	99
Saudi Arabia	-	-	225	170	197	320	482	465
Others	555	535	211	738	775	865	683	712
AFRICA	**842**	**828**	**971**	**1493**	**1342**	**1502**	**1379**	**1332**
Algeria	-	-	23	18	43	94	102	55
Angola	-	-	60	57	64	92	89	99
Egypt	92	103	157	183	215	217	168	181
Morocco	83	82	81	160	162	161	166	163
Nigeria	171	156	162	197	177	181	164	156
Tunisia	68	68	68	80	70	65	61	59
Others	428	419	420	798	611	692	629	619
Asia and Pacific	**6451**	**7112**	**7133**	**7861**	**8104**	**8116**	**8385**	**8441**
Australia	253	337	339	323	344	386	425	434
China	681	804	777	997	1098	1053	1093	958
Hong Kong	365	331	389	439	393	368	421	388
India	415	408	283	390	379	378	372	471
Japan	954	934	829	1053	1142	1189	1097	1076
New Zealand	51	44	45	41	41	38	45	49
Singapore	1649	1978	2210	2021	2119	1916	2310	2389
Others	2085	2276	2261	2597	2588	2788	2622	2676
TOTAL WORLD	**18793**	**19396**	**19628**	**22882**	**23330**	**23325**	**22957**	**23039**

Source : OPEC Annual Statistical Bulletin, 2015

XI.16 World Crude Oil Export by Country

(1,000 Barrels/ Day)

Country	2007	2008	2009	2010	2011	2012	2013	2014
(1)	*(2)*	*(3)*	*(4)*	*(5)*	*(6)*	*(7)*	*(8)*	*(9)*
NORTH AMERICA	**1422**	**1564**	**1531**	**1520**	**1745**	**1872**	**2181**	**2611**
Canada	1401	1525	1486	1478	1698	1804	2058	2266
United States	21	39	45	42	47	68	123	345
LATIN AMERICA	**4728**	**4479**	**4327**	**4624**	**4532**	**4606**	**4409**	**5001**
Columbia	244	346	358	484	561	555	703	765
Ecuador	342	348	329	340	334	358	388	422
Mexico	1738	1446	1312	1460	1421	1336	1272	1220
Trinidad and Tobago	26	10	94	75	40	31	38	31
Venezuela	2116	1770	1608	1562	1553	1725	1528	1965
Others	262	559	626	703	623	601	480	598
EASTERN EUROPE & Eurasia	**5278**	**5058**	**7204**	**7273**	**7011**	**6968**	**6964**	**6798**
Russia	5264	5046	4967	4978	4786	4757	4710	4487
Others	14	12	2237	2295	2225	2211	2254	2311
WESTERN EUROPE	**3222**	**2785**	**2761**	**2555**	**2222**	**2063**	**1968**	**1885**
Norway	2012	1702	1773	1602	1455	1318	1199	1203
United Kingdom	933	840	771	747	571	578	613	563
Others	277	243	217	206	196	167	156	119
MIDDLE EAST	**16698**	**17323**	**15346**	**15988**	**17772**	**18076**	**17496**	**16793**
Iran	2639	2574	2406	2248	2537	2102	1215	1109
Iraq	1643	1855	1906	1890	2166	2423	2390	2516
Kuwait	1613	1739	1348	1430	1816	2070	2058	1995
Oman	683	593	671	749	742	768	838	805
Qatar	615	703	647	587	588	588	599	595
Saudi Arabia	6962	7322	6268	6644	7218	7557	7571	7153
United Arab Emirates	2343	2334	1953	2104	2457	2445	2701	2497
Others	200	203	147	336	248	123	124	123
AFRICA	**6784**	**6297**	**7105**	**7636**	**6636**	**6997**	**6526**	**5773**
Algeria	1,253	841	747	709	843	809	744	623
Angola	1158	1044	1770	1711	1546	1663	1669	1608
Congo	239	240	272	288	264	252	241	261
Egypt	44	98	102	85	83	91	97	117
Gabon	207	209	188	225	235	227	211	225
Libia	1378	1403	1170	1118	300	962	589	41
Nigeria	2144	2098	2160	2464	2377	2368	2193	2120
Sudan	-	-	371	389	363	60	133	148
Others	361	364	325	647	625	565	649	630
ASIA AND PACIFIC	**1791**	**1742**	**1676**	**1565**	**1363**	**1313**	**1251**	**1221**
Australia	239	239	272	314	299	263	237	261
Brunei	182	164	152	162	154	139	115	108
China	76	107	104	61	50	49	32	12
Indonesia	319	294	323	356	302	300	317	257
Malaysia	401	402	372	370	280	268	263	282
Vietnam	276	206	202	161	165	185	170	173
Others	298	330	251	141	113	109	117	128
TOTAL WORLD	**39923**	**39248**	**39950**	**41161**	**41281**	**41895**	**40795**	**40082**
OPEC	24206	24031	22312	22807	23735	25070	23645	22644
OPEC percentage	61%	61%	56%	55%	57%	60%	58%	56%

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

Source : OPEC Annual Statistical Bulletin, 2015

XI.17 World Exports of Refined Products by Country

(1,000 Barrels/ Day)

Country	2007	2008	2009	2010	2011	2012	2013	2014
(1)	*(2)*	*(3)*	*(4)*	*(5)*	*(6)*	*(7)*	*(8)*	*(9)*
NORTH AMERICA	**1673**	**2086**	**2222**	**2739**	**3335**	**3616**	**4007**	**4303**
Canada	443	445	431	427	396	479	520	469
United States	1230	1641	1790	2311	2939	3137	3487	3834
Others	0	0	1	1	-	-	-	-
LATIN AMERICA	**1880**	**2089**	**2061**	**1963**	**1897**	**1520**	**1626**	**1157**
Brazil	193	163	155	158	138	121	150	133
Ecuador	40	42	34	28	29	27	20	8
Mexico	221	244	219	190	180	149	171	191
Netherland Antilles	230	231	201	77	157	163	156	139
Trinidad and Tobago	104	94	108	107	116	69	91	64
Venezuela	639	912	956	760	786	674	713	312
Others	453	403	388	643	491	317	325	310
EASTERN EUROPE & Eurasia	**2015**	**1450**	**2890**	**3343**	**3144**	**3228**	**3391**	**3449**
Romania	**95**	101	96	75	79	71	76	97
Russia	**1730**	1127	2159	2230	1923	1986	2121	2183
Others	191	222	635	1038	1142	1171	1194	1169
WESTERN EUROPE	**5680**	**5680**	**5527**	**6223**	**6291**	**6631**	**6526**	**6426**
Belgium	430	400	343	441	470	491	524	518
France	531	571	466	482	480	432	412	419
Germany	572	517	453	375	378	391	422	413
Italy	585	527	489	601	547	589	501	421
Netherlands	1565	1645	1871	2137	2100	2171	2093	2129
United Kingdom	611	561	521	560	592	578	558	454
Others	1386	1459	1384	1627	1724	1979	2016	2072
MIDDLE EAST	**3199**	**2960**	**2950**	**3163**	**3667**	**3647**	**3683**	**3874**
Bahrain	253	238	240	223	241	245	248	248
Iran	388	275	301	368	441	456	394	470
Iraq	66	85	30	5	1	2	12	9
Kuwait	739	708	674	773	759	804	805	751
Qatar	74	98	249	322	510	466	511	522
Saudi Arabia	1139	1058	1008	951	902	862	794	988
United Arab Emirates	408	359	302	337	604	654	803	760
Others	133	139	146	184	209	158	116	126
AFRICA	**1077**	**1011**	**745**	**669**	**777**	**742**	**779**	**875**
Algeria	451	457	232	315	492	449	453	583
Angola	27	41	41	31	31	30	32	31
Egypt	65	67	54	90	61	51	42	40
Gabon	7	7	6	8	6	6	3	7
Nigeria	53	19	136	23	24	8	23	49
Libya	198	157	12	50	21	39	76	15
Others	275	263	264	152	142	159	150	150
ASIA AND PACIFIC	**4263**	**5055**	**5290**	**5745**	**6022**	**5888**	**6202**	**6166**
Australia	64	50	49	72	71	82	57	54
China	313	456	523	623	625	580	625	589
Indonesia	107	103	82	101	94	79	76	57
Japan	287	406	391	351	313	258	342	334
Malaysia	248	189	286	304	308	316	409	427
Singapore	1475	1623	1766	1755	1869	1679	1741	1772
Others	1769	2228	2193	2539	2742	2894	2,952	2933
TOTAL WORLD	**19788**	**20331**	**21685**	**23845**	**25133**	**25272**	**26214**	**26250**
OPEC	4222	4211	3975	3963	4600	4471	4636	4498
OPEC percentage	21%	21%	18%	17%	18%	18%	18%	17%

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

Source : OPEC Annual Statistical Bulletin, 2015

XI.18 International Petroleum Crude Price Index

Petroleum Spot	2007	2008	2009	2010	2011	2012	2013	2014
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
U.K. BRENT 38.0/0.26	347.30	466.11	295.26	381.04	533.08	558.26	519.96	474.29
USA WEST TAXAS INTERMEDIATE, 40.0/0.4	295.54	408.83	252.98	324.69	388.35	384.71	400.49	381.28
UAE DUBAI FATEH 32.5/1.43	335.53	460.50	303.39	383.22	521.15	535.18	517.42	474.53
IRAN LIGHT 33.9/1.4	335.76	458.62	296.75	378.78	524.66	531.93	519.33	471.22
IRAN HEAVY 31.0/1.6	336.82	459.52	304.47	385.43	532.95	547.76	531.04	483.07
INDONESIA MINAS 33.0/0.1	316.25	432.72	279.02	353.74	493.51	501.29	461.78	424.25
NIGERIA BONNY LIGHT, 36.7/0.1	311.01	419.78	261.80	335.55	472.48	470.45	463.37	419.50
MEXICO ISTHUMAS, 31.8/1.51	306.49	431.84	275.96	353.11	479.09	483.22	476.92	424.72
RUSSIA URALS 36.1/2.52	308.56	420.90	271.61	347.78	484.43	490.20	479.15	435.14
MALAYSIA TAPIS 44.3/0.2	289.37	388.52	241.73	307.47	435.34	434.71	425.08	383.31
AUSTRALIA Gippsland GIPPSLAND, 46.0/0.13	319.86	430.40	270.15	346.02	482.26	476.25	457.83	413.12
SAUDI ARABIA ARAB HEAVY, 28.0/3.0	341.93	469.47	320.99	402.56	554.40	577.09	553.49	499.09

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, 2015

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

Period	Country/Crude Name										
	Kuwait Kuwait Export	Libya Brega	Nigeria Forcados	Qatar Dukhan	Saudi Arabia Arab Heavy	UAE Murban	Indonesia Minas	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)*
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	113.66	109.26	110.22	111.76	114.71	109.79	109.06	107.96	109.35
2013	105.04	108.51	111.36	107.05	103.89	108.21	107.41	107.19	105.73	103.60	105.51
2014	95.32	98.51	101.35	98.44	93.68	99.45	98.68	97.26	96.18	94.45	97.04
Jan, 2014	103.79	108.5	na	na	102.21	107.66	na	105.3	104.9	102.7	104.01
Feb	104.17	109.1	na	na	102.32	108.69	na	106.5	105.0	103.4	105.04
Mar	103.05	107.80	na	na	101.63	107.60	na	105.6	104.0	102.1	104.34
Apr	103.13	107.99	na	na	101.61	107.75	na	106.03	104.32	102.11	104.93
May	104.21	110.02	na	na	102.72	108.35	na	107.42	105.40	103.16	105.71
Jun	106.56	112.01	na	na	104.50	110.74	na	110.27	107.45	105.80	108.06
Jul	105.50	105.32	na	na	103.69	108.87	na	105.73	106.21	103.83	106.15
Aug	100.57	100.21	na	na	99.14	104.33	na	101.30	101.42	99.20	102.15
Sep	95.30	99.05	na	na	93.73	98.93	na	96.41	96.14	94.49	97.18
Oct	83.99	86.26	na	na	82.45	89.10	na	84.90	84.61	83.57	86.77
Nov	74.04	79.10	na	na	72.18	77.85	na	76.88	74.46	73.94	77.81
Dec	58.25	62.43	na	na	56.65	62.27	na	61.32	58.99	57.94	61.16

na: not available

Source : OPEC Annual & monthly Statistical Bulletin, 2015

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

(Average Unit Value, FOB)

Crude	Country	2007	2008	2009	2010	2011	2012	2013	2014
(1)	*(2)*	*(3)*	*(4)*	*(5)*	*(6)*	*(7)*	*(8)*	*(9)*	*(10)*
Brent	UK(North Sea)	72.35	97.10	61.70	79.51	111.21	111.68	108.68	98.94
WTI	U.S.A	72.23	99.67	61.93	79.48	95.04	94.12	98.03	93.28
WTS	U.S.A	67.21	95.93	60.40	77.32	92.99	88.71	95.41	87.33
Light Lui.	Louisiana	75.32	102.45	64.54	82.83	112.38	111.69	107.39	96.9
Dubai	UAE	68.35	94.20	61.86	78.13	106.33	109.02	105.44	96.52
Iran Light	Iran	67.03	93.46	61.26	77.88	109.08	109.81	107.4	96.87
Iran Heavy	Iran	65.4	91.07	60.6	76.85	107.11	108.19	105.63	95.02
Urals	Russia	69.4	94.07	61	78.17	109.61	110.85	108.39	97.97
Minas	Indonesia	72.55	99.62	64.71	82.22	114.41	116.26	110.08	100.3
Tapis	Malaysia	77.76	104.90	65.08	82.72	119.30	117.00	115.10	102.83

Source : Energy Prices and Taxes, First Quarter of 2015. International Energy Agency Publication.

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

Product	2007	2008	2009	2010	2011	2012	2013	2014
(1)	*(2)*	*(3)*	*(4)*	*(5)*	*(6)*	*(7)*	*(8)*	*(9)*
NW EUROPE								
Gasoline	83.35	100.22	70.06	87.32	116.42	122.89	116.69	108.16
Gas Oil	85.17	123.85	69.38	89.75	125.02	128.03	123.4	112.63
Jet/Kerosene	88.69	126.59	71.02	90.63	127.42	129.00	124.12	113.87
Naphtha	75.67	88.90	59.91	80.11	104.56	105.37	101.44	93.95
LSFO	54.49	79.14	56.36	72.28	100.38	105.12	96.43	86.96
HSFO	50.99	70.11	52.93	67.99	94.51	97.65	91.47	81.04
U.S.A								
Gasoline	93.06	109.38	73.42	91.29	123.86	131.91	127.42	117.36
Gas Oil	84.34	117.97	68.05	88.24	122.41	125.43	120.4	109.09
Jet/Kero	89.50	124.07	69.93	90.31	125.92	128.22	122.67	113.3
Naphtha	71.50	87.17	55.95	78.12	100.48	98.05	94.47	87.61
LSFO	54.49	79.14	56.36	72.28	100.38	na	na	na
HSFO	53.23	72.59	55.92	69.70	95.72	99.32	92.96	82.82
SINGAPORE								
Gasoline	82.74	103.25	70.37	88.48	119.81	123.44	118.98	110.75
Gas Oil	86.98	123.42	70.44	90.39	126.25	128.08	123.24	112.63
Jet/Kero	86.90	122.30	70.26	90.28	125.70	126.81	122.87	112.4
Naphtha	75.38	89.90	61.07	79.41	102.75	103.73	101.2	94.43
LSFO	58.27	88.34	53.31	80.83	109.75	115.43	106.16	98.55
HSFO	58.11	79.12	58.43	73.23	114.76	118.22	111.96	104.93

na: not available

XI. 22 Natural Gas Prices for Industry and Household Use

USD/MWh (GCV basis) (using PPPs)

Country	2006	2007	2008	2009	2010	2011	2012	2013*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
FOR INDUSTRIAL USE								
Belgium	c	na	38.4	36.8	28.6	32.4	34.2	35.3
Canada	22.0	16.4	26.2	14.1	11.6	12.3	9.5	11.3
Czech Repubic	55.7	49	63.2	62.2	62.4	67	71	69.1
Estonia	na	na	48.2	46.3	52.5	54.4	65.8	64.5
Finland	17.9	17.9	23.9	22.8	25.0	35.8	38.8	38.4
France	31.3	29.1	40.5	31.6	36.7	43.9	46.6	45.7
Germany	42.9	43.5	48.2	42.5	42.7	46.1	44.2	47.3
Greece	na	38.6	54.0	39.1	47.9	57.5	75.5	71.3
Hungary	63.6	70.2	86.3	84.6	60.9	70.1	86.1	78.9
Ireland	32.5	c	38.1	33.5	33.2	37.9	42.6	46.8
Italy	37.4	37.7	48.2	44.3	40.2	na	na	na
Japan	34.9	38.2	na	39.4	42.9	52.2	58.7	67.6
Korea	52.5	57.2	60.2	63.9	72.1	77.9	84.8	100.1
Luxembourg	na	na	23.8	31.7	34.4	40.3	42.9	44
Mexico	44.8	44.4	55.6	na	na	na	na	na
Netherlands	na	33.3	37.3	36.2	30.6	33.4	36.2	38
New Zealand	21.6	21.6	19.7	21.8	18.9	19.0	19.0	20
Poland	42.6	48.3	59.4	62.5	64.8	69.1	78	73.3
Portugal	41.4	40.8	49.6	47.5	48.1	58.2	69.1	71.3
Slovak Republic	57.8	54.2	71.2	62.8	68	69.6	78.7	72.4
Slovenia	na	na	60.8	54.8	60.7	66.5	81.4	71.7
Spain	33.1	32.8	39.7	37.8	35.3	38.5	49.7	50.7
Sweden	na	39.2	49.5	42	44.8	49.6	48.6	47.2
Switzerland	31.7	37.2	44.8	43.3	39.3	44.9	48.1	48.6
Turkey	51.2	57	71.9	68.4	55.8	56.9	70.2	74.7
U.K	28.6	22.2	32.2	29.7	26.5	31.7	34.9	38.4
U.S.A	26	25.3	31.9	17.6	17.8	16.9	12.8	15.3
OECD Total	31.6	30.8	38.5	29	28.4	29.7	29.4	32
FOR HOUSEHOLD USE								
Austria	62.8	67.8	70.7	76.4	73.0	80.1	83.8	82.9
Belgium	na	na	75.2	65.3	66.3	81.3	84.4	78
Canada	38.9	36.8	37.6	32.4	31.3	29.6	27.6	27.8
Chile	126.4	137.5	179.8	151.8	168.4	191.5	173.4	156.2
Czech Repubic	75.2	72.3	87.4	96.1	93.7	109.3	127.5	122.6
Denmark	na	na	na	78.3	90.3	99.4	93	95.2
Estonia	na	na	64.9	72.3	74.1	82.6	95	90.8
Finland	25.4	25.6	33.4	32.6	35.4	49.3	53.6	54.1
France	53.7	55.2	61.4	61.0	65.5	73.9	76.4	79.1
Germany	75.6	78.4	87.5	86.3	79.9	84.9	89.4	89.8
Greece	..	87.4	101.9	92.4	100.3	110.9	156.2	177.1
Hungary	42.0	74.0	85.8	99.2	91.9	102.4	106.2	99.5
Ireland	63.9	72.0	63.9	70.6	66.2	69.7	81.1	87.8
Italy	77.1	78.1	85.9	84.1	91.0	na	na	na
Japan	99.4	104.1	..	109.7	111.7	122.9	129.4	137
Korea	68.0	73.9	76.4	76.9	77.5	84.3	90.5	96.5
Lexembourg	41.9	na	55.7	48.7	47.3	59.5	64.6	64.9
Mexico	81.2	80.8	57.5	67.0	65.0	59.3	50.4	54.8
Netherlands	71.1	75.5	86.6	85.5	76.5	83.8	92.5	94.2
New Zealand	66.3	76.1	91.9	80.5	79.9	87.3	89.8	97
Poland	80.3	88.8	104.2	115.3	110.1	117.8	125.3	118.1
Portugal	105.5	102.3	96.6	93.8	96.8	108.8	134.2	150.3
Slovak Republic	84.4	84.8	89.9	94.5	89.5	95.5	102.5	103.7
Slovania	na	na	98.3	96.9	97.4	112.7	124.5	113.2
Spain	70.5	74.8	83.9	80.8	77 7	91.1	115.2	123.7
Sweden	na	94.9	106.7	108.0	109.5	119.9	120.4	120.4
Switzerland	49.8	56.7	65.8	63.1	60.3	66.5	71.7	72.8
Turkey	60.3	67.2	82.7	83.0	72.1	71.3	85.7	90.2
U.K	44.1	43.7	51.6	57.8	53.0	60.0	65.5	69.3
U.S.A	45.4	43.0	45.9	40.0	37.0	36.4	35.3	34
OECD Total	55.9	55.8	59.5	59.3	57.9	57.6	62.2	60.6

GCV: Gross Calorific Value. c: price is confidential *: Provisional MWh: megawatt hour PPP: Purchasing powe parities na: not available

Source : Energy Prices and Taxes, 2nd Quarter of 2015. International Energy Agency Publication.

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

(Average Unit Value, CIF)

Country	2007	2008	2009	2010	2011	2012	2013	2014*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
IEA**	69.33	97.19	60.40	78.13	107.61	109.15	105.84	97.46
IEA Europe	70.81	96.83	61.09	79.05	110.54	111.58	108.93	98.89
Australia	77.13	107.83	63.40	82.60	155.66	117.78	114.19	107.05
Austria	71.86	103.05	60.69	80.00	110.92	112.50	110.63	103.81
Belgium	70.35	96.01	61.77	79.65	110.50	110.83	108.45	98.49
Canada	70.04	101.41	60.29	79.14	110.80	110.61	108.6	98.47
France	72.22	97.63	61.64	79.78	111.78	112.01	109.56	99.4
Germany	71.60	96.70	61.18	78.49	110.63	112.21	109.62	99.76
Greece	69.93	93.60	60.10	78.97	109.41	111.92	107.61	95.55
Italy	70.20	96.67	60.69	79.29	110.23	112.18	109.98	99.09
Japan	70.09	100.98	61.29	79.43	109.30	114.75	110.61	104.16
Korea	70.01	98.11	61.12	78.72	108.63	113.24	108.59	101.24
Netherlands	68.74	97.89	60.54	78.55	109.19	111.54	108.55	99.22
New Zealand	73.84	105.80	65.85	80.62	112.38	117.70	113.43	105.96
Spain	68.66	94.86	59.78	77.84	108.50	109.48	106.77	97.07
Sweden	70.13	95.09	60.58	79.00	110.67	112.36	109.1	97.75
U.K	73.80	99.34	62.39	80.60	113.49	112.62	110.27	100.07
U.S.A	66.77	94.97	58.83	76.02	102.43	101.16	97.25	89.55

**: 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" First Quarter of 2015..

XI.24 Spot Prices of Key OPEC Crude Oils

(US $/bbl)

Year/Month	Iran	Kuwait	Nigeria Bonny	Saudi Arabia		UAE
	Light 33.9	Export 31.4	Light 36.7	Light 34.2	Heavy 28.0	Dubai 32.4
(1)	(2)	(3)	(4)	(5)	(6)	(7)
2007						
January	49.12	48.42	56.18	50.86	46.15	51.92
March	57.92	56.22	64.60	58.08	54.40	58.80
June	67.99	63.61	74.45	65.92	61.44	65.79
September	74.88	71.94	79.87	74.28	69.86	73.36
December	89.12	84.37	93.55	86.29	82.51	85.79
2008						
January	89.21	85.63	94.85	88.75	82.85	87.35
March	99.35	95.58	106.68	99.23	92.67	96.72
June	127.89	124.37	136.44	129.35	120.62	127.82
September	97.56	93.15	100.48	97.57	89.92	95.90
December	40.03	36.47	43.10	38.82	34.38	40.46
2009						
January	39.13	40.00	45.44	41.23	38.31	43.94
March	44.52	44.91	49.70	46.39	43.76	45.59
June	68.16	68.73	69.55	69.00	68.74	69.41
September	66.43	66.45	68.74	67.34	66.16	67.74
December	74.34	74.03	75.68	74.38	74.00	75.42
2010						
January	75.62	75.69	77.39	76.46	75.60	76.69
March	77.70	76.29	80.40	77.24	75.87	77.31
June	73.13	72.30	76.00	73.84	71.19	73.99
September	76.82	72.92	79.65	74.55	71.88	75.13
December	90.60	87.25	93.08	89.59	86.11	89.17
2011						
January	94.90	91.45	98.10	93.59	90.26	92.33
March	111.44	107.66	116.75	110.37	105.80	108.71
June	110.45	106.65	117.27	109.37	104.34	107.77
September	108.47	105.16	115.63	107.72	103.18	106.31
December	107.06	107.06	110.71	107.96	106.61	106.43
2012						
January	109.8	112.00	113.08	112.82	111.73	109.86
March	122.8	122.32	127.98	123.43	121.84	122.47
June	93.35	93.32	97.19	94.51	92.67	94.44
September	112.24	110.02	114.06	111.32	109.76	111.22
December	107.61	106.19	111.19	108.35	104.79	106.34
2013						
January	105.33	103.79	115.41	110.64	102.21	107.94
March	105.63	103.05	110.57	107.61	101.63	105.55
June	110.27	106.56	106.12	101.30	104.50	100.32
September	96.41	95.30	114.30	109.48	93.73	108.28
December	61.32	58.25	113.11	108.07	56.65	107.8
2014						
January	105.33	103.79	110.26	105.74	102.21	104.01
February	106.47	104.17	110.77	106.3	102.34	105.04
March	105.63	103.05	109.50	104.8	101.63	104.32
April	106.03	103.13	110.19	104.87	101.61	104.68
May	107.42	104.21	112.22	105.8	102.72	105.55
June	110.27	106.56	114.36	108.61	104.50	108.03
July	105.73	105.50	109.19	107.15	103.69	106.13
August	101.3	100.57	102.26	102.24	99.14	101.73
September	96.41	95.30	98.07	97.23	93.73	96.47
October	84.9	83.99	88.51	85.93	82.45	86.73
November	76.88	74.04	80.1	76.07	72.18	76.33
December	61.32	58.25	63.81	60.13	56.65	60.25

Source: OPEC Bulletin 1-2/15

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

U$/bbl

Market/Product	2013					2014											
	Jan	Mar	Jun	Sep	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	103.22	100.7	93.29	102.87	105.86	101.62	101.07	100.82	102.4	103.76	105.38	103.5	95.76	93.04	78.61	69.44	54.22
South Europeon Market, FOB Italy	100.01	97.68	91.01	100.74	102.81	98.76	98.45	97.86	100.23	101.83	103.3	101.5	93.81	90.97	75.96	66.15	50.28
US East Coast Market, spot cargos New York	na	na	na	na	na	na											
Carribean Market,Cargoes	113.55	119.8	88.24	106.06	113.46	110.69	107.77	108.79	110.21	110.66	113.92	109.39	103.46	99.2	83.11	74.99	53.81
Singapore Cargoes	105.55	102.09	94.16	102.76	107.53	104.47	102.37	102.08	103.99	105.31	106.17	106.34	98.87	94.45	79.79	71.86	56.33
Middle East Gulf Market, FOB	102.51	97.85	92.45	100.62	104.63	101.9	99.91	99.14	100.96	101.74	103.22	103.28	96.28	92.44	78.2	69.94	54.62
GASOLINE																	
North Europeon Market, FOB, (regular unleaded)	124.95	122.54	119.78	122.5	120.87	116.51	119.89	120.86	128.03	127.36	130.41	128.08	119.86	117.23	103.9	95.79	73.31
North Europeon Market, FOB, (premium) 50ppm	121.16	120.98	116.4	119.3	115.53	116.51	119.89	120.86	128.03	127.36	130.41	128.08	119.86	117.23	103.9	95.79	73.31
South Europeon Market, FOB Italy(premium) 50ppm	121.16	120.98	116.40	119.30	115.53	113.28	116.41	115.23	122.87	121.92	126.37	122.91	115.19	113.54	99.57	91.37	68.7
US East Coast, NewYork (regular unleaded 87)	119.81	123.04	115.17	116.39	114.52	112.2	117.66	115.94	122.6	120.49	121.86	118.21	114.09	113.53	100.85	91.42	71.13
Singapore Cargoes(Premium Unl. 95)	122.77	124	117.85	117.31	118.66	117.98	119.71	119.37	121.39	121.43	123.74	121.99	111.35	110.58	101.17	90.44	71.91
Singapore Cargoes(Premium Unl. 92)	120.07	120.78	114.75	114.28	115.81	114.66	116.7	116.53	117.64	117.96	120.46	119.78	109.26	108.61	98.19	87.94	69.58
JET KERO																	
North Europeon Market, FOB Rotterdam	131.56	125.31	119.85	127.45	128.43	124.57	124.63	121.71	122.24	123.29	124.73	122.77	120.02	114.54	105.32	98.35	81.09
US East Coast, New York	133.98	125.29	117.45	125.27	128.73	128.58	129.67	124.16	122.17	121.43	122.17	120.48	123.25	117.1	104.76	103.46	84.2
Carribean Cargoes	131.81	125.96	117.88	124.38	125.53	123.68	126.34	122.93	122.9	122.01	122.73	120.25	121.28	116.34	105.12	98.86	77.19
Singapore Cargoes	128.09	123.5	116.75	123.87	126.68	121.63	122.78	119.99	120.56	119.88	120.8	118.79	116.6	112.48	101.56	96.41	78.36
Middle East Gulf Market, FOB	125.44	120.4	114.4	121.22	124.18	119.51	120.4	117.47	118.3	117.32	118.28	116.37	113.76	109.68	98.76	93.55	75.73
GAS OIL/Diesel																	
North Europeon Market, FOB Rotterdam	128.47	123.85	118.31	127.3	125.54	121.84	123.29	121.01	122.13	121.29	121.59	119.2	116.65	111.88	102.35	96.25	77.45
South Europeon Market, FOB Italy	129.18	122.98	117.7	126.39	126.27	123.07	124.05	121.46	122.04	122.22	122.79	119.77	117.07	112.15	101.58	95.41	77.48
US East Coast, New York	128.75	123.26	115.34	123.67	126.72	127.16	127.8	121.77	120.79	119.69	120.46	116.19	115.18	110.29	101.51	94.39	77.33
Carribean Cargoes	128.12	123.6	117.61	124.68	124.38	121.9	122.19	121.01	122.28	121.27	122.06	118.78	117.51	112.29	103.03	94.66	73.84
Singapore Cargoes	127.01	123.64	119.28	123.57	126.33	121.56	123.53	121.68	122.9	122.35	121.24	118.96	116.74	111.95	100.22	93.85	77.1
Middle East Gulf Market, FOB	124.21	120.35	116.79	120.76	123.67	119.31	121.01	119	120.5	119.63	118.56	116.4	113.73	108.99	97.26	90.82	74.32
FUEL OIL																	
North Europeon Market (1%s)	99.44	96.98	94.82	95.88	94.96	92.37	97.55	100.1	98.07	98.66	98.71	93.75	88.64	86.5	76.5	65.55	49.59
North Europeon Market (3.5%s)	96.75	95.4	91.87	93.88	91.72	89.22	91.72	91.27	91.32	91.19	93.2	90.81	89.16	86.14	75.06	65.66	49.44
South Europeon Market,(1%s) FOB italy	100.85	96.03	95.54	96.39	95.9	92.94	98.88	100.69	98.72	99.73	100.17	94.49	89.68	88.6	76.56	66.33	50.62
South Europeon Market,(3.5%s) FOB italy	95.97	94.69	91.9	94.09	90.93	90.16	91.58	90.48	90.17	91.55	92.2	91	88.87	85.92	75.7	65.65	48.88
US East Coast, New York (0.3%S)	119.94	114.95	102.46	107.03	121.67	126.38	129.77	118.41	112.75	107.82	106.62	109.23	102.58	99.44	89.41	83.4	69.84
US East Coast, New York (2.2%S)	98.58	97.15	92.17	95.06	93.28	91.97	96.51	94.11	92.74	93.37	95.5	92.39	88.74	87.09	75.28	65.14	50.19
Carribean Cargoes (2%s)	95.58	94.15	89.26	94.1	91.69	89.5	92.6	91.83	92.15	91.09	92.18	87.7	86.93	84.72	71.56	62.68	47.07
Carribean Cargoes (2.8%s)	92.82	91.25	84.81	89.1	86.69	84.5	87.6	86.83	87.15	86.09	87.18	82.7	81.93	79.72	66.56	57.68	42.07
Singapore Cargoes (380 Cst)	98.48	98.49	93.38	94.48	94.92	94.56	94.83	93.13	91.76	92.86	95.13	93.35	91.86	89.14	77.41	70.38	54.6
Singapore Cargoes (180 Cst)	99.53	99.53	96.81	96.3	97.02	96.46	96.29	95	93.81	95.08	97.24	94.51	93.5	90.86	79.24	71.68	55.52
Middle East Gulf Market, (180 Cst)	95.16	95.82	93.56	91.64	91.56	91.3	91.55	90.51	89.34	90.66	92.58	89.56	88.51	86.42	74.9	66.95	51.21

Source : OPEC Monthly Statistical Bulletin, 2014 (OPEC Bulletin 1-2/15)

XI.26 World Survey of Selected Petroleum Products Prices in 2014

Country	US $ Exchange Rate in National Currencies	Automotive Diesel Oil Non-commercial use (US$/Ltr)	Heavy/High Sulphur Fuel Oil (for Industry) (US$/tonne)	Light Fuel Oil	
				For Household Use (US$/1000Ltr)	For Industry Use (US$/1000Ltr)
(1)	*(2)*	*(3)*	*(4)*	*(5)*	*(6)*
Australia	1.109	1.398	..	..	..
Austria	0.754	1.724	..	1183.3	764.0
Belgium	0.754	1.878	x	1036.1	856.2
Canada	1.105	1.214	626.8	1135.4	861.5
Chile	570.64	1.170	..	1236.2	..
Czech Repubic	20.758	1.748	c	1126.2	844.7
Denmark	5.619	1.904	..	1986.7	1130.7
Estonia	0.754	1.860	..	1252.3	1043.6
Finland	0.754	1.958	..	1352.4	1090.7
France	0.754	1.709	..	1143.0	889.7
Germany	0.754	1.855	..	1020.6	821.0
Greece	0.754	1.760	..	1576.7	1281.9
Hungry	232.6	1.787	..	x	..
Ireland	0.754	1.929	1051.6	1289.9	1039.8
Israel	3.577	2.080	c	2039.0	c
Italy	0.754	2.136	..	1829.6	1499.7
Japan	105.85	1.341	..	993.8	915.5
Korea	1053	1.555	771.6	1233.6	x
Luxembourg	0.754	1.546	x	952.3	864.9
Mexico	13.306	0.993	501.2	x	668.0
Netherlands	0.754	1.866	x	1370.7	1132.8
New Zealand	1.206	1.172	657.1	..	710.3
Norway	6.302	2.079	x	1745.0	1396.0
Poland	3.154	1.650	627.8	1184.9	930.3
Portugal	0.754	1.729	x	1654.0	..
Slovak Republic	0.754	1.801	x	..	1048.8
Slovenia	0.754	1.793	x	1341.2	1099.4
Spain	0.754	1.733	..	1137.2	939.8
Sweden	6.86	2.098	x	..	943.2
Switzerland	0.915	1.986	x	1082.0	964.7
Turkey	2.189	1.996	994.3	1660.6	..
U.K	0.607	2.197	x	1025.4	957.6
U.S.A	1	1.011	643.4	1024.5	718.0

.. : not available x : not applicable c : confidential

Source : International Energy Agency's "Energy Prices and Taxes" 2nd Quarter of 2015.

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

(U.S.C./U.S GALLON)

Countries / Ports	2008	2009	2010	2011	2012	2013	2014	2015
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Australia								
Perth	NA	NA	NA	NA	NA	NA	NA	NA
France **								
Paris	333.80	142.80	226.11	337.38	341.81	314.42	303.58	183.00
Germany **								
Frankfurt	330.03	140.39	223.24	330.00	341.02	303.55	298.08	178.60
Netherlands								
Amsterdam	NA	NA	NA	NA	NA	NA	NA	NA
Italy								
Rome	NA	NA	NA	NA	NA	NA	NA	190.71
Kenya **								
Nairobi	333.06	148.94	234.05	339.44	347.24	NA	NA	NA
Malaysia **								
Kualalampur	303.74	132.36	213.35	319.36	330.97	293.61	290.47	170.00
Singapore **								
Paya Lebar/Changi	305.59	145.23	212.18	321.68	326.91	289.58	285.65	165.17
Switzerland								
Geneva	NA	NA	NA	NA	NA	NA	NA	NA
U.A.E **								
Abu Dhabi	316.21	146.42	228.97	334.64	343.83	307.63	300.99	178.37
Dubai	319.89	150.10	227.56	332.90	333.84	301.75	292.99	170.37
U.K **								
London(Heathrow)	333.43	144.17	226.285	337.55	342.35	304.94	303.29	183.49
Kuwait **	285.94	133.13	206.23	300.75	309.81	280.94	274.67	166.90
New York **	320.68	147.75	219.92	324.55	356.19	303.13	304.34	172.75
Japan **								
Tokyo	314.16	143.21	221.71	327.36	346.63	314.95	303.54	180.31
India **								
Mumbai	384.85	163.92	252.83	374.67	392.82	323.15	316.85	207.25
Delhi	387.40	166.16	254.66	378.02	392.40	322.80	315.32	205.06
Madras	381.12	164.18	253.91	358.89	390.71	324.01	317.61	208.31

Source : Air India *:Average Price **: Air India contract Price

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

Country	2007		2008		2009		2010		2011		2012		2013		2014	
	Number	DWT	Number	DWT	Number	DWT	Number	DWT	Number	DWT	Number	DWT	Number	DWT	Number	DWT
(1)	*(2)*	*(3)*	*(4)*	*(5)*	*(6)*	*(7)*	*(8)*	*(9)*	*(10)*	*(11)*	*(12)*	*(13)*	*(14)*	*(15)*	*(16)*	*(17)*
Algeria	1	315	1	315	1	315	1	160	1	160.0	1	160	1	160	1	160
Angola	na	na	na	na	na	na	na	na	8	1186.0	31	2363	31	2363	27	2498
Ecuador	na	na	8	269	8	269	8	269	10	579	14	957	18	1231	20	1457
I.R.Iran	29	6202	42	9560	42	9560	47	10994	47	10994.0	47	10994	47	10994	46	10982
Iraq	1	37	2	26	4	53	4	53	4	53.0	4	53	4	50	4	53
Kuwait	22	3241	21	3113	20	3110	16	2223	16	2223.0	21	3404	19	3547	26	4825
Libya	8	627	8	627	8	627	8	627	5	548.0	5	548	5	548	5	548
Nigeria	2	409	2	409	2	409	2	409	2	409.0	2	409	2	409	2	409
Qatar	6	528	6	528	6	528	6	528	6	528.0	6	528	6	528	5	397
Saudi Arabia	41	10055	46	10483	40	8662	35	6993	32	5766.0	20	5051	23	6004	23	6004
UAE	6	218	13	660	13	660	13	660	13	660.0	13	660	13	660	19	1139
Venezuela	21	1348	16	1091	16	1091	16	1091	18	1348.0	19	1452	22	2066	26	2627
Total OPEC	137	22980	165	27081	160	25284	156	24007	162	24454	183	26579	191	28560	204	31099
Total World	**4418**	**375591**	**4825**	**398196**	**5713**	**481185**	**4167**	**385828**	**4494**	**422849**	**4734**	**453168**	**4912**	**472169**	**5153**	**482975**
OPEC %age		**6%**		**7%**		**5%**		**6%**		**6%**		**6%**		**6%**		**6%**

Notes: Figures as at year-end DWT: Dead Weight Tonnage na: not available

Source :OPEC Annual Statistical Bulletin, 2015

XI.29 Oil Trade Movements

Thousand barrels daily

Country	2007	2008	2009	2010	2011	2012	2013	2014	2014 share of total
(1)	*(2)*	*(3)*	*(4)*	*(5)*	*(6)*	*(7)*	*(8)*	*(9)*	*(10)*
Imports									
US	13632	12872	11453	11689	11338	10587	9792	9221	16.3%
Europe	13953	13751	12486	12094	12208	12488	12662	12601	22.2%
Japan	5032	4925	4263	4567	4494	4743	4573	4333	7.6%
Rest of World	22937	23078	24132	25160	26570	27496	29216	30581	53.9%
Total World	**55554**	**54626**	**52334**	**53510**	**54610**	**55314**	**56243**	**56736**	**100.0%**
Exports									
US	1439	1967	1947	2154	2497	2680	3564	4099	7.2%
Canada	2457	2498	2518	2599	2798	3056	3279	3535	6.2%
Mexico	1975	1609	1449	1539	1487	1366	1347	1290	2.3%
South & Central America	3570	3616	3748	3568	3764	3834	3756	3929	6.9%
Europe	2273	2023	2034	1888	2053	2174	2356	2293	4.0%
Former Soviet Union	8334	8184	7972	8544	8791	8597	9001	8932	15.7%
Middle East	19680	20128	18409	18883	19753	19699	19787	19761	34.8%
North Africa	3336	3260	2938	2871	1949	2604	2124	1762	3.1%
West Africa	4830	4587	4364	4601	4654	4564	4417	4431	7.8%
Asia Pacific	6004	5392	5631	6226	6217	6419	6142	6223	11.0%
Rest of World *	1656	1363	1323	637	646	322	472	481	0.8%
Total World	**55554**	**54627**	**52333**	**53510**	**54609**	**55315**	**56245**	**56736**	**100.0%**

* Includes unidentified trade.

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

Source: BP Statistical review of World Energy, June 2015

XI.30 World Primary Energy Consumption by Fuel* during 2014

Million tonnes oil equivalent

Country	Oil	Natural Gas	Coal	Nuclear Energy	Hydro electricity	Renew- ables	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
US	836.1	695.3	453.4	189.8	59.1	65.0	2298.7
Canada	103.0	93.8	21.2	24.0	85.7	4.9	332.7
Mexico	85.2	77.2	14.4	2.2	8.6	3.7	191.4
Total North America	**1024.4**	**866.3**	**488.9**	**216.1**	**153.5**	**73.6**	**2822.8**
Argentina	30.9	42.4	1.3	1.3	9.3	0.7	85.8
Brazil	142.5	35.7	15.3	3.5	83.6	15.4	296.0
Chile	16.7	4.3	6.8	-	5.4	1.9	35.0
Colombia	14.5	9.8	4.2	-	10.1	0.2	38.8
Ecuador	12.1	0.6	-	-	2.6	0.1	15.4
Peru	10.4	6.5	1.0	-	4.9	0.3	23.0
Trinidad & Tobago	1.6	19.8	-	-	-	†	21.4
Venezuela	38.5	26.8	0.2	-	18.7	†	84.3
Other S. & Cent. America	59.3	7.1	2.9	-	20.8	2.9	93.1
Total S. & Cent. America	**326.5**	**153.1**	**31.6**	**4.7**	**155.4**	**21.5**	**692.7**
Austria	12.6	7.0	2.7	-	8.1	2.1	32.5
Azerbaijan	4.6	8.3	†	-	0.3	†	13.1
Belarus	11.0	16.5	1.0	-	†	†	28.6
Belgium	30.0	13.3	3.8	7.6	0.1	3.1	57.7
Bulgaria	3.8	2.4	6.5	3.6	1.0	0.7	17.9
Czech Republic	9.2	6.8	16.0	6.9	0.4	1.7	40.9
Denmark	7.7	2.8	2.6	-	†	4.1	17.3
Finland	8.6	2.2	4.1	5.4	3.0	2.9	26.1
France	76.9	32.3	9.0	98.6	14.2	6.5	237.5
Germany	111.5	63.8	77.4	22.0	4.6	31.7	311.0
Greece	14.2	2.5	6.5	-	1.0	2.0	26.1
Hungary	6.0	7.5	2.2	3.5	0.1	0.6	20.0
Republic of Ireland	6.6	3.7	2.0	-	0.2	1.3	13.7
Italy	56.6	51.1	13.5	-	12.9	14.8	148.9
Kazakhstan	13.0	5.1	34.5	-	1.7	†	54.3
Lithuania	2.5	2.3	0.2	-	0.1	0.3	5.4
Netherlands	39.6	28.9	9.0	0.9	†	2.6	81.1
Norway	10.3	4.2	0.7	-	30.9	0.6	46.7
Poland	23.8	14.7	52.9	-	0.5	3.9	95.7
Portugal	11.4	3.4	2.5	-	3.7	3.6	24.6
Romania	9.0	10.6	5.8	2.6	4.2	1.4	33.7
Russian Federation	148.1	368.3	85.2	40.9	39.3	0.1	681.9
Slovakia	3.5	3.3	3.4	3.5	1.0	0.3	15.0
Spain	59.5	23.7	12.0	13.0	8.9	16.0	133.0
Sweden	14.4	0.8	2.0	14.8	14.6	5.0	51.6
Switzerland	10.6	2.7	0.1	6.3	8.5	0.6	28.7
Turkey	33.8	43.7	35.9	-	9.1	2.8	125.3
Turkmenistan	6.4	24.9	-	-	†	†	31.3
Ukraine	10.2	34.6	33.0	20.0	1.9	0.4	100.1
United Kingdom	69.3	60.0	29.5	14.4	1.3	13.2	187.9
Uzbekistan	3.1	43.9	2	-	2.4	†	51.4
Other Europe & Eurasia	31.1	13.4	20.4	2	21.7	2.1	90.7
Total Europe & Eurasia	**858.8**	**908.6**	**476.5**	**266.1**	**195.7**	**124.3**	**2830.0**
Iran	93.2	153.2	1.1	1.0	3.4	0.1	252.0
Israel	10.1	6.8	6.9	-	†	0.2	24.0
Kuwait	22.2	18.1	-	-	-	†	40.3
Qatar	10.1	40.3	-	-	-	†	50.5
Saudi Arabia	142.0	97.4	0.1	-	-	†	239.5
United Arab Emirates	39.3	62.4	1.5	-	-	†	103.2
Other Middle East	76.0	40.4	0.1	-	1.8	†	118.3
Total Middle East	**393.0**	**418.6**	**9.7**	**1.0**	**5.2**	**0.3**	**827.9**
Algeria	18.0	33.7	0.2	-	†	0.1	52.0
Egypt	38.7	43.2	0.7	-	3.1	0.4	86.2
South Africa	29.1	3.7	89.4	3.6	0.3	0.6	126.7
Other Africa	93.6	27.4	8.2	-	24.2	1.8	155.3
Total Africa	**179.4**	**108.1**	**98.6**	**3.6**	**27.5**	**2.9**	**420.1**
Australia	45.5	26.3	43.8	-	3.3	4.1	122.9
Bangladesh	5.7	21.2	1.0	-	0.1	0.1	28.2
China	520.3	166.9	1962.4	28.6	240.8	53.1	2972.1
China Hong Kong SAR	17.0	2.3	8.1	-	-	†	27.5
India	180.7	45.6	360.2	7.8	29.6	13.9	637.8
Indonesia	73.9	34.5	60.8	-	3.4	2.2	174.8
Japan	196.8	101.2	126.5	-	19.8	11.6	456.1
Malaysia	35.2	36.9	15.9	-	2.7	0.3	91.0
New Zealand	7.2	4.3	1.5	-	5.5	2.3	20.8
Pakistan	22.6	37.8	4.9	1.1	7.2	0.1	73.6
Philippines	14.3	3.2	11.7	-	2.1	2.3	33.6
Singapore	66.2	9.7	†	-	-	0.2	76.1
South Korea	108.0	43.0	84.8	35.4	0.8	1.1	273.2
Taiwan	43.9	15.5	40.9	9.6	0.9	1.3	112.0
Thailand	53.0	47.4	18.4	-	1.2	1.5	121.5
Vietnam	18.7	9.2	19.1	-	12.3	0.1	59.3
Other Asia Pacific	19.7	5.6	16.7	-	12.0	0.2	54.2
Total Asia Pacific	**1428.9**	**610.7**	**2776.6**	**82.5**	**341.6**	**94.2**	**5334.6**
Total World	**4211.0**	**3065.5**	**3881.8**	**574.0**	**878.9**	**316.8**	**12928.0**

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

Notes: Oil consumption is measured in million tonnes; other fuels in million tonnes of oil equivalent. †: Less than 0.05

Source: BP Statistical review of World Energy, June 2015

XI.31 Per Capita Primary Energy Consumption* Some International Comparisons during 2014

Kg. oil equivalent

Country	Oil	Natural Gas	Coal	Nuclear Energy	Hydro electricity	Renew- ables	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
US	2631.63	2188.55	1426.99	597.42	186.02	204.60	7235.21
Canada	2902.54	2642.30	596.90	676.06	2414.08	138.03	9369.91
Mexico	712.13	645.18	120.04	18.38	71.85	30.91	1598.49
Total North America	**2166.11**	**1831.96**	**1033.86**	**456.76**	**324.38**	**155.64**	**5968.70**
Argentina	722.75	993.89	29.49	30.44	217.80	16.39	2010.77
Brazil	702.88	175.95	75.24	17.26	412.23	75.94	1459.50
Chile	941.32	243.13	382.18	na	305.08	107.34	1979.07
Colombia	302.95	206.42	88.90	na	211.74	4.19	814.20
Ecuador	756.83	35.54	na	na	162.50	6.25	961.12
Peru	336.35	210.61	31.74	na	159.09	9.74	747.54
Trinidad & Tobago	1256.14	15209.73	na	na	na	na	16465.87
Venezuela	1276.21	887.83	6.80	na	619.21	na	2790.04
Other S. & Cent. America	543.96	65.54	26.25	na	190.65	26.58	852.98
Total S. & Cent. America	**655.24**	**307.17**	**63.36**	**9.63**	**311.86**	**43.15**	**1390.41**
Austria	1482.16	823.43	317.65	na	952.94	247.06	3823.23
Azerbaijan	479.27	872.88	na	na	31.58	na	1383.73
Belarus	1160.37	1738.15	105.26	na	na	na	3003.78
Belgium	2674.46	1185.17	339.29	678.57	8.93	276.79	5163.20
Bulgaria	525.24	326.76	902.78	500.00	138.89	97.22	2490.89
Czech Republic	872.87	643.89	1523.81	657.14	38.10	161.90	3897.71
Denmark	1374.88	507.86	464.29	na	na	732.14	3079.17
Finland	1556.03	398.13	745.45	981.82	545.45	527.27	4754.16
France	1199.57	503.37	140.41	1538.22	221.53	101.40	3704.50
Germany	1378.39	789.17	956.74	271.94	56.86	391.84	3844.94
Greece	1286.99	224.13	590.91	na	90.91	181.82	2374.76
Hungary	608.12	759.50	222.22	353.54	10.10	60.61	2014.08
Republic of Ireland	1427.39	808.91	434.78	na	43.48	282.61	2997.17
Italy	923.69	833.24	220.23	na	210.44	241.44	2429.04
Kazakhstan	751.59	293.77	1994.22	na	98.27	na	3137.84
Lithuania	876.69	796.62	68.97	na	34.48	103.45	1880.21
Netherlands	2344.45	1710.08	532.54	53.25	na	153.85	4794.17
Norway	2028.55	823.74	137.25	na	6058.82	117.65	9166.01
Poland	617.74	380.52	1374.03	na	12.99	101.30	2486.57
Portugal	1096.51	327.00	240.38	na	355.77	346.15	2365.82
Romania	451.46	527.94	290.00	130.00	210.00	70.00	1679.40
Russian Federation	1002.84	2493.63	576.84	276.91	266.08	0.68	4616.99
Slovakia	647.59	618.34	629.63	648.15	185.19	55.56	2784.45
Spain	1279.90	508.89	258.06	279.57	191.40	344.09	2861.91
Sweden	1484.64	86.94	206.19	1525.77	1505.15	515.46	5324.16
Switzerland	1289.65	327.31	12.20	768.29	1036.59	73.17	3507.21
Turkey	437.86	566.66	465.03	na	117.88	36.27	1623.69
Turkmenistan	1200.92	4703.07	na	na	na	na	5903.99
Ukraine	236.81	806.22	769.23	466.20	44.29	9.32	2332.07
United Kingdom	1075.06	930.35	457.36	223.26	20.16	204.65	2910.83
Uzbekistan	99.86	1429.63	65.15	na	78.18	na	1672.82
Other Europe & Eurasia	550.37	236.64	359.15	35.21	382.04	36.97	1600.38
Total Europe & Eurasia	**948.78**	**1003.71**	**526.23**	**293.83**	**216.17**	**137.41**	**3126.14**
Iran	1204.02	1979.38	14.21	12.92	43.93	1.29	3255.76
Israel	1234.84	830.85	841.46	na	na	24.39	2931.54
Kuwait	6000.09	4881.68	na	na	na	na	10881.77
Qatar	4408.53	17529.53	na	na	na	na	21938.06
Saudi Arabia	4610.82	3162.90	3.25	na	na	na	7776.96
United Arab Emirates	4185.42	6638.10	159.57	na	na	na	10983.09
Other Middle East	720.15	383.22	0.95	na	17.06	na	1121.38
Total Middle East	**1656.08**	**1764.19**	**40.88**	**4.21**	**21.91**	**1.26**	**3488.55**
Algeria	543.47	907.42	6.04	na	na	3.02	1459.96
Egypt	440.26	526.59	7.96	na	35.27	4.55	1014.63
South Africa	477.12	56.58	1465.57	59.02	4.92	9.84	2073.05
Other Africa	98.01	29.80	8.59	na	25.34	1.88	163.62
Total Africa	157.78	95.19	86.63	3.17	24.27	2.55	369.59
Australia	1938.11	1117.12	1863.83	na	140.43	174.47	5233.95
Bangladesh	36.17	134.00	6.31	na	0.63	0.63	177.74
China	381.40	122.38	1438.60	20.97	176.53	38.93	2178.80
China Hong Kong SAR	2363.96	317.98	1125.00	na	na	na	3806.94
India	139.40	35.15	277.89	6.02	22.84	10.72	492.01
Indonesia	294.33	137.57	242.23	na	13.55	8.76	696.45
Japan	1548.78	796.60	995.28	na	155.78	91.27	3587.70
Malaysia	1169.19	1226.21	528.24	na	89.70	9.97	3023.30
New Zealand	1682.34	1005.78	348.84	na	1279.07	534.88	4850.91
Pakistan	116.49	194.92	25.26	5.67	37.11	0.52	379.97
Philippines	143.21	31.98	116.88	na	20.98	22.98	336.03
Singapore	12037.90	1772.47	na	na	na	36.36	13846.74
South Korea	2143.21	853.09	1682.54	702.38	15.87	21.83	5418.92
Taiwan	1876.03	661.04	1747.86	410.26	38.46	55.56	4789.21
Thailand	798.64	714.47	277.11	na	18.07	22.59	1830.87
Vietnam	206.51	101.31	210.58	na	135.61	1.10	655.12
Other Asia Pacific	101.77	28.83	86.17	na	61.92	1.03	279.72
Total Asia Pacific	**358.09**	**153.05**	**695.85**	**20.67**	**85.63**	**23.66**	**1336.95**
Total World	**581.55**	**423.36**	**536.07**	**79.25**	**121.39**	**43.79**	**1785.42**

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

Notes: Oil consumption is measured in million tonnes; other fuels in million tonnes of oil equivalent. na: not available

Source: BP Statistical review of World Energy, June 2015

XI.32 Per Capita Consumption of Main Petroleum Products Some International Comparisons During 2014

Kg. Oil/Per Capita

Country/Area	Light Distillates	Middle Distillates	Fuel Oil	Others	Total
(1)	(2)	(3)	(4)	(5)	(6)
USA	1487.17	955.61	134	662	3239
Europe	268.97	491.58	117	210	1088
Middle East	275.71	399.34	303	265	1242
China	61.17	82.86	34	67	245
Japan	674.89	729.95	255	398	2058
OECD	704.19	679.15	162	402	1947

Note: Population 2014 data has been taken from "Population Reference Bureau".

Source : B.P Statistical Review of World Energy, June 2015

XI.33 Trends in World Primary Energy Consumption

(Million Tonnes Oil Equivalent)

Year	Oil	Natural Gas	Coal	Nuclear Energy	Hydro electricity	Renewable	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
2007	4009.7	2647.3	3199.8	621.8	700.7	108.1	**11287.4**
2008	3994.8	2717.7	3256.3	619.0	727.6	123.2	**11438.6**
2009	3921.6	2655.7	3238.7	614.1	737.7	142.2	**11310.0**
2010	4038.2	2864.1	3464.0	626.4	782.1	168.6	**11943.4**
2011	4081.4	2914.2	3628.8	600.4	794.7	205.6	**12274.6**
2012	4138.9	2986.3	3723.7	559.9	833.6	240.8	**12483.2**
2013	4179.1	3052.8	3867.0	563.7	861.6	283.0	**12807.2**
2014 (P)	4211.1	3065.5	3881.8	574.0	879.0	316.9	**12928.3**

(P) : Provisional na: not available

Source : B.P Statistical Review of world Energy, June 2015

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

Million tonnes oil equivalent

Country	2007	2008	2009	2010	2011	2012	2013	2014	2014 share of total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
US	2371.72	2320.11	2205.86	2284.92	2265.36	2209.34	2270.47	2298.73	17.78%
Canada	327.42	326.75	311.25	315.88	328.49	327.22	334.32	332.67	2.57%
Mexico	175.80	177.31	176.68	183.02	191.02	189.29	191.54	191.35	1.48%
Total North America	**2874.93**	**2824.16**	**2693.80**	**2783.82**	**2784.86**	**2725.84**	**2796.33**	**2822.75**	21.83%
Argentina	75.46	76.59	75.90	79.19	81.17	82.91	86.65	85.81	0.66%
Brazil	227.34	237.66	236.30	259.86	273.94	278.96	288.90	296.01	2.29%
Chile	31.05	30.95	31.16	30.32	33.30	33.57	34.53	35.01	0.27%
Colombia	29.93	31.85	31.37	33.38	36.14	37.32	37.37	38.80	0.30%
Ecuador	10.92	11.64	11.53	12.80	13.57	14.35	14.68	15.38	0.12%
Peru	14.86	16.23	16.70	18.97	20.86	21.63	22.29	22.97	0.18%
Trinidad & Tobago	21.39	21.00	21.66	22.76	22.69	21.56	21.82	21.41	0.17%
Venezuela	81.14	84.41	83.43	76.30	78.78	82.59	85.75	84.30	0.65%
Other S.&Cent. America	88.61	86.10	85.60	87.87	89.40	91.97	92.95	93.05	0.72%
Total S.&Cent. America	**580.70**	**596.43**	**593.65**	**621.46**	**649.85**	**664.86**	**684.92**	**692.76**	5.36%
Austria	35.12	35.77	34.70	36.00	33.89	35.42	34.01	32.54	0.25%
Azerbaijan	12.27	12.34	10.88	10.69	11.92	12.27	12.61	13.15	0.10%
Belarus	25.58	25.85	24.45	25.96	25.82	28.06	28.33	28.63	0.22%
Belgium	64.92	66.90	63.01	67.76	63.06	59.37	60.97	57.73	0.45%
Bulgaria	19.59	19.50	17.08	17.84	19.11	18.07	16.69	17.88	0.14%
Czech Republic	45.60	44.31	41.89	43.57	42.73	42.39	41.60	40.93	0.32%
Denmark	20.53	19.81	18.55	19.57	18.50	17.19	17.87	17.26	0.13%
Finland	31.40	30.39	28.34	30.84	28.46	27.55	27.09	26.14	0.20%
France	257.21	257.91	244.48	252.75	243.95	244.47	247.19	237.51	1.84%
Germany	325.59	326.86	307.80	322.95	309.81	317.52	325.82	311.03	2.41%
Greece	34.89	34.43	33.34	31.38	30.71	29.36	27.96	26.11	0.20%
Hungary	26.74	26.49	24.24	24.93	23.31	21.84	20.60	19.97	0.15%
Republic of Ireland	16.69	16.63	15.26	15.20	14.18	14.10	13.69	13.73	0.11%
Italy	181.97	180.21	167.92	173.21	169.46	163.20	157.94	148.90	1.15%
Kazakhstan	52.14	55.51	48.38	49.04	55.60	57.48	54.69	54.34	0.42%
Lithuania	8.65	8.57	7.87	5.92	6.17	6.18	5.67	5.44	
Netherlands	95.17	93.19	91.81	96.14	91.53	88.44	86.37	81.11	0.63%
Norway	46.11	47.09	43.90	42.10	43.23	47.90	45.11	46.72	0.36%
Poland	95.70	96.19	92.12	99.51	99.80	98.76	98.39	95.67	0.74%
Portugal	25.16	24.14	24.32	25.69	24.55	22.56	24.89	24.63	0.19%
Romania	40.32	40.72	34.85	35.21	36.16	34.96	32.62	33.66	0.26%
Russian Federation	680.53	683.77	648.02	674.34	696.17	696.31	689.90	681.94	5.27%
Slovakia	17.31	17.93	16.33	17.46	16.82	16.21	16.87	15.00	0.12%
Spain	158.00	153.67	142.81	143.65	142.83	141.82	133.93	133.02	1.03%
Sweden	52.92	52.81	48.42	51.83	51.23	54.54	51.31	51.62	0.40%
Switzerland	28.66	29.70	29.70	29.02	27.47	29.11	29.99	28.71	0.22%
Turkey	103.75	103.23	104.18	110.96	118.38	123.61	122.01	125.33	0.97%
Turkmenistan	24.35	24.68	22.85	26.09	27.15	29.87	26.83	31.29	0.24%
Ukraine	134.57	132.97	112.90	120.95	125.72	122.65	116.59	100.10	0.77%
United Kingdom	218.25	214.80	203.96	209.10	196.32	201.71	200.59	187.89	1.45%
Uzbekistan	48.78	52.35	43.41	43.71	49.66	49.22	50.11	51.33	0.40%
Other Europe & Eurasia	89.70	91.49	89.71	95.36	93.80	91.11	93.46	90.97	0.70%
Total Europe & Eurasia	**3018.20**	**3020.21**	**2837.47**	**2948.73**	**2937.54**	**2943.25**	**2911.70**	**2830.28**	21.89%
Iran	208.08	217.51	227.34	227.84	238.37	239.24	244.03	252.02	1.9%
Israel	22.57	23.10	22.49	23.42	23.90	24.74	24.10	24.05	0.2%
Kuwait	28.75	30.49	31.58	34.67	35.71	38.08	38.96	40.27	0.3%
Qatar	22.76	23.56	28.46	33.58	42.22	44.99	46.24	50.47	0.4%
Saudi Arabia	165.10	179.22	186.49	202.68	207.65	220.80	222.51	239.53	1.9%
United Arab Emirates	73.26	83.98	82.60	86.22	91.53	95.27	97.87	103.24	0.8%
Other Middle East	93.97	103.62	106.74	115.68	112.92	116.58	119.54	118.32	0.9%
Total Middle East	**614.50**	**661.48**	**685.71**	**724.08**	**752.31**	**779.70**	**793.26**	**827.88**	6.4%
Algeria	35.57	37.66	39.94	38.87	41.28	45.23	47.98	52.00	0.4%
Egypt	69.55	73.66	76.47	80.60	82.08	86.57	85.49	86.16	0.7%
South Africa	116.33	125.76	124.46	126.38	125.47	123.06	123.63	126.69	1.0%
Other Africa	126.48	133.94	131.56	143.98	139.42	148.46	151.50	155.27	1.2%
Total Africa	**347.94**	**371.02**	**372.42**	**389.82**	**388.25**	**403.33**	**408.60**	**420.12**	3.2%
Australia	126.18	126.05	123.23	123.41	125.49	126.52	126.19	122.91	1.0%
Bangladesh	18.84	19.94	21.05	22.82	24.09	25.49	26.87	28.16	0.2%
China	2133.69	2213.34	2312.55	2471.22	2679.66	2794.48	2898.08	2972.06	23.0%
China Hong Kong SAR	26.33	24.56	26.81	27.94	28.53	27.40	28.14	27.47	0.2%
India	420.34	446.71	484.21	509.96	536.55	573.73	595.72	637.76	4.9%
Indonesia	131.95	131.64	136.76	151.53	161.74	169.35	169.61	174.81	1.4%
Japan	525.06	519.18	476.11	505.37	479.86	473.99	470.14	456.08	3.5%
Malaysia	73.08	76.48	73.62	76.92	79.37	82.94	90.69	90.98	0.7%
New Zealand	18.98	19.15	19.12	19.71	19.56	19.68	19.86	20.81	0.2%
Pakistan	68.73	69.50	71.33	71.46	71.76	70.03	71.93	73.63	0.6%
Philippines	27.57	27.42	27.22	27.76	29.04	30.94	32.16	33.58	0.3%
Singapore	56.27	59.92	64.42	69.14	72.24	72.08	74.35	76.12	0.6%
South Korea	231.90	236.43	237.39	254.64	267.83	270.57	270.78	273.18	2.1%
Taiwan	113.05	106.93	103.41	109.31	109.54	109.80	110.96	112.02	0.9%
Thailand	93.35	94.97	98.75	105.86	109.52	118.14	118.00	121.52	0.9%
Vietnam	30.64	38.15	39.28	44.28	50.38	52.58	54.47	59.30	0.5%
Other Asia Pacific	48.38	49.20	49.15	51.53	50.32	51.41	54.38	54.20	0.4%
Total Asia Pacific	**4144.33**	**4259.58**	**4364.41**	**4642.85**	**4895.49**	**5069.12**	**5212.34**	**5334.61**	41.3%
Total World	**11580.59**	**11732.89**	**11547.46**	**12110.77**	**12408.31**	**12586.10**	**12807.15**	**12928.40**	100%

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

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

Source: BP Statistical Review of World Energy, June 2015

XI. 35 Economic Indicators of OPEC Nations During 2014

Country	Population 2014	GDP at market prices 2014	Per capita GDP 2014	Petroleum Exports 2014	Total Export 2014	Petroleum Exports as % of total	Proven crude oil reserves 2014	Gas Reserves 2014	Producing Oil wells	Crude Refining Capacity	Exports of Refined Products
	(Million)	(Mn. $)	(US $)	(Mn. $)	(Mn. $)	Exports	(Bn.bbls)	(Bn. CM)	Nos.	(000' b/cd)	(000' b/d)
(1)	*(2)*	*(3)*	*(4)*	*(5)*	*(6)*	*(7)*	*(8)*	*(9)*	*(10)*	*(11)*	*(12)*
Algeria	39.11	228285	5836	40639	60040	68%	12.2	4504	2042	650.8	583
Angola	24.38	128564	5273	57609	63908	90%	8.423	308	1509	39	31
Ecuador	16.03	101094	6308	11401	26604	43%	8.273	11	3592	190.8	8
Iran	77.34	404132	5226	53652	98981	54%	157.53	34020	2281	1781.00	470
Iraq	36.01	223508	6208	84303	85298	99%	143.069	3158	1963	900	9
Kuwait	4.09	172350	42119	97537	104165	94%	101.5	1784	1760	936	751
Libya	6.21	41148	6623	14897	15186	98%	48.363	1505	632	380	15
Nigeria	178.27	561600	3150	76925	83897	92%	37.07	5111	2010	445	49
Qatar	2.23	211526	95025	56912	131716	43%	25.244	24531	500	283	522
Saudi Arabia	30.77	752459	24454	285139	372829	76%	266.578	8489	3406	2907.00	988
U.A.E	8.53	401647	47097	107853	380347	28%	97.8	6091	1735	707.00	760
Venezuela	30.46	205787	6757	77776	80663	96%	299.953	5617	14710	1890.00	312
Total	**453.42**	**3432100**	**254076**	**964643**	**1503634**	**64%**	**1206.003**	**95129**	**36140**	**11110**	**4498.0**

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

Source : OPEC Annual Statistical Bulletin, 2015

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 millions.
P	:	Provisional.
LoI	:	Letter of Intent
MMSCMD	:	Million Standard Cubic Metres Per Day
CNG	:	Compressed Natural Gas
MoU	:	Memorandum of Understanding

Metric Units
Linear

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

Area

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

Weight

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

Capacity

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

Volume

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

Conversion Factors used in Oil Trade Linear and Square Measures

Length

1 Inch	-	25.4 Millimetres (mm)
	-	0.0254 Metres.
1 Foot	-	12 Inches.
	-	0.333333 Yard
	-	0.3048 Metre (m).
1 Yard	-	36 Inches.
	-	3 Feet
	-	0.9144 Metre (m)
1 Metre	-	39.3701 Inches.
	-	3.28084 Feet
	-	1.09361 Yards
	-	0.001 Kilometre (km.)
1 Kilometre	-	1000 Metre (m)
	-	0.621371 Mile
1 Mile	-	1760 Yard
	-	1.60934 Kilometre (km.)
1 International	-	6076.12 Feet
Nautical Mile	-	1.852 Kilometres (km)
	-	1.5152 Statute mile

Area

1 Square Inch	-	645.16 Square Millimetres (mm^2).
1 Square Foot	-	0.0929030 Square Metre (m^2).
1 Square Yard	-	9 Square Feet.
		0.836127 Square Metre (m^2).
1 Square Metre	-	10.7639 Square Feet.
	-	1.19599 Square Yards.
1 Acre	-	4840 Square Yards
	-	4046.86 Sq. Metres (m^2)
	-	0.404686 Hectares.
1 Hectare	-	10,000 Square Metres (m^2).
	-	2.47105 Acres.
	-	0.01 Square Kilometre (km^2)
1 Square Kilometre	-	100 Hectares.
	-	0.386102 Square Mile.
1 Square Mile	-	640 Acres.
	-	258.999 Hectares
	-	2.58999 Square Kilometres (km^2).

Mass and Weights

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

Energy and Power

1 International Table (IT) Calorie	-	4.1868 Joules (J).
115 C calorie	-	4.1855 Joules (J)
1 Thermochemical Calorie	-	4.184 Joules (J)
1 Kilo Calories (IT)	-	1000 Calories
	-	3.96832 British Thermal Units
	-	1.163 Watt Hours
	-	1 Thermie
1 Kilowatt Hour	-	3412.14 British Thermal Units
	-	859.845 Kilo Calories
	-	3.6 Megajoules (MJ)
	-	1.34102 Horse Power Hours.
1 Therm	-	100,000 British Thermal Units (BTU).
	-	105.506 Megajoules (MJ)
	-	29.3071 Kilowatt Hours
	-	25.1996 Thermies
	-	25200 Kilocalories
1Metric Horsepower (Pferdestaerke or Cheval Vapeur)	-	735.499 watts (W).
	-	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	

@ = 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 approximates to	0.33
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

Year	Calendar Years					Financial Years	
	1st Qr.	2nd Qr.	3rd Qr.	4th Qr.	Average for the year	Year	Average for the year
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
2007	44.17	41.23	40.52	39.46	41.35	2007-08	40.26
2008	39.82	41.72	42.78	48.76	43.27	2008-09	45.99
2009	49.77	48.79	48.42	46.64	48.41	2009-10	47.44
2010	45.93	45.63	46.49	44.86	45.74	2010-11	45.58
2011	45.27	44.71	45.78	50.93	46.67	2011-12	47.92
2012	50.31	54.22	55.24	54.14	53.48	2012-13	54.41
2013	54.17	56.50	62.13	62.03	58.71	2013-14	60.50
2014	66.75	59.80	60.61	61.93	62.27	2014-15	62.01

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

