

# Ready Reckoner

Snapshot of India's Oil & Gas data

February, 2015



**Petroleum Planning & Analysis Cell**  
(Ministry of Petroleum & Natural Gas)

## Index of Tables

Table	Description	Page
	Highlights	<b>2</b>
<b>1.</b>	Selected Indicators of the Indian Economy	<b>3</b>
<b>2.</b>	Import Dependency	<b>4</b>
<b>3.</b>	Estimated Balance of Trade during 2014-15	<b>4</b>
<b>4.</b>	Indigenous Crude Oil Production	<b>5</b>
<b>5.</b>	Domestic Oil & Gas Production vis a vis Overseas Production	<b>5</b>
<b>6.</b>	Coal Bed Methane (CBM) Gas development in India	<b>5</b>
<b>7.</b>	Refineries: Installed Capacity and Crude Oil Processing	<b>6</b>
<b>8.</b>	High Sulphur (HS) & Low Sulphur (LS) Crude Oil Processing	<b>7</b>
<b>9.</b>	Gross Refining Margins (GRM) of Refineries	<b>8</b>
<b>10.</b>	GRM of North East Refineries excluding Excise Duty Benefit	<b>9</b>
<b>11.</b>	Natural Gas at a Glance	<b>9</b>
<b>12.</b>	Consumption of Petroleum Products	<b>10</b>
<b>13.</b>	Self Sufficiency in Petroleum Products	<b>10</b>
<b>14.</b>	Industry Marketing Infrastructure	<b>11</b>
<b>15.</b>	Pipelines Infrastructure	<b>11</b>
<b>16.</b>	Gas Pipelines under execution / construction	<b>12</b>
<b>17.</b>	Existing and Expected LNG Terminals	<b>12</b>
<b>18.</b>	Status of PNG Connection and CNG Station across the India	<b>13</b>
<b>19.</b>	Information on Prices, Taxes and Under-recoveries	<b>15</b>
<b>20.</b>	Conversion Factors and Volume Conversion	<b>17</b>

## Highlights

- |   |
|---|
| <ul style="list-style-type: none"><li>• Crude oil production in PSC regime was affected by underperformance of “Bhagyam Field Wells”.</li></ul>   |
| <ul style="list-style-type: none"><li>• Crude oil imports decreased during February 2015 by 21.34% (3,524 TMT) as compared to the same period during the previous year.</li></ul>   |
| <ul style="list-style-type: none"><li>• Export of petroleum products has decreased during February 2015 over the corresponding month last year by 265 TMT (5.29%).</li></ul>  |
| <ul style="list-style-type: none"><li>• The consumption of all petroleum products registered a growth of 9.3% in February 2015 and 4.4% during April 2014-February 2015.</li></ul>  |
| <ul style="list-style-type: none"><li>• There has been a growth of 18.2% in the consumption of MS during February 2015 and a cumulative growth of 11.2% for the period April 2014-February 2015.</li></ul>                            |
| <ul style="list-style-type: none"><li>• HSD consumption has recorded a growth of 7.4% in the month of February 2015 and a cumulative growth of 2.0% during April-February, 2015.</li></ul>  |
| <ul style="list-style-type: none"><li>• LPG consumption for the eighteenth month in a row recorded a positive growth of 8.4% during February 2015 and a cumulative growth of 11.0% for the period April 2014-February 2015.</li></ul> |

## 1. Selected Indicators of the Indian Economy

Economic Indicators		Unit/Base	2011-12	2012-13	2013-14 (P)	2014-15 (P)
1	Population (as on 1 <sup>st</sup> March 2011)	Billion	1.2	-	-	-
2	GDP at Factor Cost (Constant prices)*	Growth %	6.7	5.1	6.9	7.4
3	Agricultural Production (Food grains)	MMT	259.3	257.1	265.6 Final	257.1 2nd AE
		Growth %	6.1	-0.8	3.3	-2.3
4	Gross Fiscal Deficit	%	-5.7	-4.8	-4.6 (RE)	-4.1 (BE)

Economic Indicators		Unit/Base	2013-14	February		April-February	
				2014	2015	2014	2015
5	Index of Industrial Production@	Growth %	2.8	1.1	2.6	0.1	2.5
6	Imports	\$ Billion	450.9	33.7	28.4	408.9	411.8
7	Exports	\$ Billion	312.4	25.4	21.5	284.1	286.6
8	Trade Balance	\$ Billion	-138.6	-8.3	-6.8	-124.8	-125.2
9	Foreign Exchange Reserves	\$ Billion	303.7	294.4	338.1	-	-

@ IIP is for the month of January & cumulative April-January

\*Source : MOPSI GDP at constant price is calculated with base year 2011-12

2. Import Dependency							
Petroleum & Natural Gas Sector		Unit/Base	2013-14 (P)	February		April-February	
				2014	2015 <sup>(P)</sup>	2014	2015 <sup>(P)</sup>
1	Crude Oil Production In India	MMT	37.8	2.9	2.9	34.6	34.2
2	Consumption of Petroleum Products	MMT	158.4	12.8	14.0	144.1	150.5
3	Production of Petroleum Products	MMT	220.2	17.6	17.6	200.8	201.7
4	Imports & Exports:						
	Crude Oil Imports	\$ Billion	142.9	12.5	4.8	132.1	106.6
	Petroleum Products (POL) Imports	\$ Billion	12.3	1.2	0.8	11.3	11.1
	Gross Petroleum Imports (Crude + POL)	\$ Billion	155.2	13.7	5.6	143.3	117.7
	Petroleum Products Exports	\$ Billion	60.7	4.6	2.6	55.0	44.6
5	Petroleum Imports as % of India's Gross Imports	%	34.4	40.7	19.7	35.0	28.6
6	Petroleum Exports as % of India's Gross Exports	%	19.4	18.1	12.1	19.4	15.6
7	Import Dependency (Based on Consumption)	%	77.6%	78.3%	80.1%	77.3%	78.3%

3. Estimated Value of Crude oil imports during 2014-15				
Petroleum & Natural Gas Sector		Quantity (MMT)	\$ Million	Rs. Crore
Crude Oil Imports		188.50	112,375	684,929

(Actual for Apr'14-Feb'15; Mar 2015 estimated considering Indian Crude basket at \$50/bbl and average exchange rate of Rs. 62/\$)

Impact of variation in Crude oil price & Exchange rate on Crude oil imports during Q4 of 2014-15:

- If Crude prices increases by One \$/bbl - Net Import bill increases by Rs. 718 crores (\$ 0.12 bn)
- If Exchange rate of \$ increases by Rs. 1/\$ - Net Import bill increases by Rs. 579 crores (\$ 0.09 bn)

<b>4. Indigenous Crude Oil Production (Million Metric Tonne)</b>					
Details	2013-14 (P)	February		April-February	
		2014	2015 (P)	2014	2015 (P)
ONGC	19.2	1.5	1.4	17.5	17.0
OIL	3.5	0.3	0.3	3.2	3.1
Private / JVs	12.0	0.9	0.9	11.0	10.8
<b>Total Crude Oil</b>	<b>34.7</b>	<b>2.7</b>	<b>2.6</b>	<b>31.8</b>	<b>30.9</b>
Condensate	3.1	0.3	0.3	2.8	3.3
<b>Total (Crude Oil + Condensate) (MMT)</b>	<b>37.8</b>	<b>2.9</b>	<b>2.9</b>	<b>34.6</b>	<b>34.2</b>
Total (Crude Oil + Condensate) (Million Barrels)	277.04	21.5	21.1	253.8	251.0
<b>5. Domestic Oil &amp; Gas Production vis a vis Overseas Production</b>					
Year	2013-14 (P)	February		April-February	
		2014	2015 (P)	2014	2015 (P)
Total Domestic (MMTOE)	73.2	5.7	5.4	67.1	64.9
Overseas production of OVL (MMTOE)	8.4	0.66	0.70	7.57	8.08
Overseas Production as % of Domestic	11.5%	11.6%	13.0%	11.3%	12.4%
<b>6. Coal Bed Methane (CBM) Gas development in India</b>					
Prognosticated CBM Resources		92		TCF	
Established CBM resources		9.9		TCF	
Total available Coal bearing area		26000		Sq. KM	
Exploration Initiated		17200		Sq. KM	
Blocks Awarded		33		Nos.	
<b>Commercial production of CBM gas</b>		<b>0.67</b>		<b>MMSCMD</b>	

7. Refineries: Installed Capacity and Crude Oil Processing (MMTPA / MMT)								
	Company	Refinery	Installed Capacity (1.4.2014)	Crude Oil Processing				
				2013-14 ( <sup>P</sup> )	February		April-February	
					2014	2015 ( <sup>P</sup> )	2014	2015 ( <sup>P</sup> )
1	IOCL	Barauni	6.0	6.5	0.5	0.5	5.9	5.4
2		Koyali	13.7	13.0	0.9	1.0	11.8	12.3
3		Haldia	7.5	8.0	0.6	0.6	7.2	7.0
4		Mathura	8.0	6.6	0.5	0.6	5.9	7.7
5		Panipat	15.0	15.1	1.1	1.1	13.8	12.9
6		Guwahati	1.0	1.0	0.1	0.1	1.0	0.9
7		Digboi	0.7	0.7	0.01	0.01	0.6	0.6
8		Bongaigaon	2.4	2.3	0.2	0.2	2.1	2.2
		<b>IOCL TOTAL</b>	<b>54.2</b>	<b>53.1</b>	<b>4.0</b>	<b>4.2</b>	<b>48.3</b>	<b>48.9</b>
9	HPCL	Mumbai	6.5	7.7	0.6	0.6	0.7	6.7
10		Visakhapatnam	8.3	7.8	0.7	0.7	7.0	7.9
11	HMEL	HMEL-Bhatinda	9.0	9.3	0.8	0.5	8.4	6.4
		<b>HPCL-TOTAL</b>	<b>23.8</b>	<b>24.8</b>	<b>2.1</b>	<b>1.9</b>	<b>22.4</b>	<b>21.1</b>
12	BPCL	Mumbai	12.0	12.7	1.1	1.0	11.5	11.6
13		Kochi	9.5	10.3	0.8	0.8	9.4	9.4
14	BORL	Bina	6.0	5.4	0.4	0.5	5.0	5.7
		<b>BPCL-TOTAL</b>	<b>27.5</b>	<b>28.4</b>	<b>2.3</b>	<b>2.3</b>	<b>25.9</b>	<b>26.8</b>

	Company	Refinery	Installed Capacity (1.4.2014)	Crude Oil Processing				
				2013-14 ( <sup>P</sup> )	February		April-February	
					2014	2015 ( <sup>P</sup> )	2014	2015 ( <sup>P</sup> )
15	CPCL	Manali	10.5	10.1	0.9	0.8	9.1	9.4
16		CBR	1.0	0.6	0.1	0.01	0.5	0.5
		<b>CPCL-TOTAL</b>	<b>11.5</b>	<b>10.7</b>	<b>0.9</b>	<b>0.8</b>	<b>9.6</b>	<b>9.8</b>
17	NRL	Numaligarh	3.0	2.6	0.2	0.2	2.4	2.6
18	ONGC	Tatipaka	0.1	0.1	0.005	0.004	0.06	0.05
19		MRPL-Mangalore	15.0	14.6	1.2	1.2	13.2	13.1
		<b>ONGC TOTAL</b>	<b>15.1</b>	<b>17.3</b>	<b>1.2</b>	<b>1.2</b>	<b>13.2</b>	<b>13.2</b>
20	RIL	Jamnagar (DTA)	33.0	30.3	2.5	2.5	28.1	28.9
21		Jamnagar (SEZ)	27.0	37.7	2.9	2.8	34.5	34.0
22	EOL	Vadinar	20.0	20.2	1.6	1.6	18.5	18.7
		<b>All India</b>	<b>215.1</b>	<b>222.4</b>	<b>17.8</b>	<b>17.6</b>	<b>202.9</b>	<b>204.0</b>

#### 8. High Sulphur (HS) & Low Sulphur (LS) Crude Oil Processing (MMT)

	Type of crude	2013-14 ( <sup>P</sup> )	February		April-February	
			2014	2015 ( <sup>P</sup> )	2014	2015 ( <sup>P</sup> )
2	LS Crude	62.2	5.0	5.0	57.1	56.6
	<b>Total Crude</b>	<b>222.5</b>	<b>17.8</b>	<b>17.6</b>	<b>202.9</b>	<b>203.9</b>
	<b>Share of HS Crude of total crude processing</b>	<b>72.04%</b>	<b>71.91%</b>	<b>71.49%</b>	<b>71.88%</b>	<b>72.23%</b>



9. Gross Refining Margins (GRM) of Refineries (\$/bbl)						
Company	Refinery	2011-12	2012-13	2013-14	Apr-Dec'13	Apr-Dec'14
IOCL	Barauni	0.39	2.40	6.68	8.60	-7.00
	Koyali	5.07	4.61	4.52	4.62	3.35
	Haldia	2.38	0.85	2.84	4.46	-5.63
	Mathura	0.59	0.55	2.10	4.07	-2.99
	Panipat	4.39	3.34	3.62	3.69	-4.76
	Guwahati	11.94	9.52	6.38	3.77	1.63
	Digboi	14.85	20.81	15.41	12.91	8.65
	Bongaigaon	6.25	5.26	6.71	7.68	-7.57
	<b>Average</b>	<b>3.63</b>	<b>3.16</b>	<b>4.24</b>	<b>4.97</b>	<b>-2.66</b>
BPCL	Kochi	3.09	5.36	4.80	4.09	1.08
	Mumbai	1.73	4.67	3.95	3.04	2.89
	<b>Average</b>	<b>2.29</b>	<b>4.97</b>	<b>4.33</b>	<b>3.50</b>	<b>2.08</b>
HPCL	Mumbai	1.74	2.08	5.38	4.65	2.77
	Visakhapatnam	2.95	2.08	1.50	1.13	-0.43
	<b>Average</b>	<b>2.39</b>	<b>2.08</b>	<b>3.43</b>	<b>2.94</b>	<b>1.04</b>
CPCL	Chennai	4.16	0.99	4.06	4.86	0.63
MRPL	Mangalore	5.60	2.45	2.67	2.42	-3.58
NRL	Numaligarh	12.45	10.52	12.09	13.06	11.58
BORL	Bina	-	7.00	7.70	8.20	2.50
RIL	Jamnagar	8.60	9.20	8.10	7.80	8.10
Essar	Vadinar	4.23	7.96	7.98	7.27	7.69

10. GRM of North East Refineries excluding Excise Duty Benefit						
						\$/bbl
Company	Refinery	2011-12	2012-13	2013-14	Apr-Dec'13	Apr-Dec'14
IOCL	Guwahati	3.73	3.43	0.88	-1.49	-4.58
	Digboi	6.41	13.25	8.50	5.77	1.56
	Bongaigaon	0.56	0.25	2.34	3.33	-12.12
NRL	Numaligarh	5.80	4.83	6.98	7.87	5.93

11. Natural Gas at a Glance						
						(MMSCM)
	2013-14 (P)	February		April-February		
		2014	2015 (P)	2014	2015 (P)	
Gross Production	35390.9	2756.8	2534.6	32511.8	30745.6	
Net Production (Excluding Flair Gas)	34554.6	2696.0	2459.8	31743.2	29887.4	
<b>LNG Import</b>	<b>14257.0</b>	<b>1151.4</b>	<b>928.8</b>	<b>13024.8</b>	<b>14182.8</b>	
<b>Total Consumption (Net Production + Import)</b>	<b>48811.6</b>	<b>3847.4</b>	<b>3388.6</b>	<b>44768.0</b>	<b>44070.2</b>	
<b>Total Consumption (in BCM)</b>	<b>48.8</b>	<b>3.84</b>	<b>3.38</b>	<b>44.8</b>	<b>44.1</b>	

(Reliance import figure is not included)

### 12. Consumption of Petroleum Products (Million Metric Tonnes)

Products	February 2014		February 2015 <sup>(P)</sup>		Apr-Feb. 2014		Apr-Feb. 2015 <sup>(P)</sup>	
	Production	Consumption	Production	Consumption	Production	Consumption	Production	Consumption
LPG	0.9	1.4	0.8	1.5	9.2	14.8	8.9	16.4
MS	2.3	1.4	2.6	1.6	27.6	15.6	29.7	17.4
NAPHTHA	1.6	1.0	1.3	0.9	17.0	10.3	16.0	9.9
ATF	0.9	0.4	1.0	0.4	10.2	5.0	10.1	5.1
SKO	0.6	0.6	0.6	0.6	6.8	6.6	7.0	6.5
HSD	7.5	5.4	7.3	5.8	85.3	62.3	86.3	63.5
LDO	0.03	0.02	0.03	0.03	0.4	0.3	0.3	0.3
LUBES	0.1	0.3	0.1	0.3	0.8	3.0	0.8	2.7
FO/LSHS	1.1	0.4	0.9	0.6	12.3	5.7	11.1	5.5
BITUMEN	0.5	0.5	0.4	0.5	4.2	4.3	4.2	4.4
OTHERS	2.3	1.4	2.6	1.8	27.0	16.2	27.4	18.8
<b>ALL INDIA</b>	<b>17.6</b>	<b>12.8</b>	<b>17.6</b>	<b>14.0</b>	<b>200.8</b>	<b>144.1</b>	<b>201.7</b>	<b>150.5</b>
<b>Growth (%)</b>			<b>-0.1%</b>	<b>9.3%</b>			<b>0.4%</b>	<b>4.4%</b>

### 13. Self Sufficiency in Petroleum Products (Million Metric Tonnes)

Details	2013-14 <sup>(P)</sup>	February		April-February	
		2014	2015 <sup>(P)</sup>	2014	2015 <sup>(P)</sup>
1. Indigenous Crude Oil Processing :	33.9	2.7	2.7	31.2	31.4
<b>a) Products from Indigenous Crude (93.3% of crude oil processed)</b>	31.6	2.5	2.5	29.1	29.3
<b>b) Products from Fractionators (Including LPG and Gas)</b>	3.8	0.3	0.3	3.6	3.4
2. Total Production from Indigenous Crude & Condensate <b>(a + b)</b>	35.5	2.8	2.8	32.7	32.6
3. Total Domestic Consumption	158.4	12.8	14.0	144.1	150.5
<b>% Self Sufficiency (2 / 3)</b>	<b>22.4%</b>	<b>21.7%</b>	<b>19.9%</b>	<b>22.7%</b>	<b>21.7%</b>

14. Industry Marketing Infrastructure (as on 31.3.2014) (Provisional)								
Particulars	IOCL	BPCL	HPCL	RIL	ESSAR	SHELL	Others	Total
Terminal/ Depots (Nos.)	135	82	95	5	2		1	320
Aviation Fuel Stations (Nos.)	98	36	33	27	3	5	2	204
Retail Outlets (total) (Nos.)	23993	12123	12869	1400	1382	100	3	51870
LPG Distributors (total) (Nos.)	7035	3355	3506					13896
SKO/LDO Dealers (Nos.)	3930	1014	1638					6582
LPG Bottling (TMTPA)	7170	3075	2960					13205
Rural ROs (Nos.)	6002							6002
RGGLVY (Nos.)	1421	817	798					3036
LPG Consumers (Nos. Crores)	8.18	4.12	4.33					16.63

15. Major Pipeline network								
Nature of Pipeline		GAIL	Reliance	GSPCL	AGC	IOCL	ONGC	Total
Natural Gas (as on 1.9.2014)	Length (KM)	10949	1469	2198	1000	132	24	15772
	Cap (MMSCMD)	242.0	80.0	43.0	6.0	9.5	6.0	386.5

		ONGC	OIL	Cairn	HMEL	IOCL	BPCL	HPCL	Other	Total
Crude Oil (as on 1.4.2014)	Length (KM)	1195	1193	594	1017	4448	937	-	-	9384
	Cap (MMTPA)	56.9	8.4	8.7	9.0	40.4	6.0	-	-	129.4
Products (as on 1.4.2014)	Length (KM)	-	654	-	-	6632	1697	2407	2693	14083
	Cap (MMTPA)	-	1.7	-	-	36.6	10.8	20.5	8.7	78.3

*Others include GAIL and Petronet India*

### 16. Gas Pipelines under execution / construction

Network/ Region	Entity	Length in KMs	Design Capacity (mmscmd)	Pipeline Size
Kochi - Kottanad - Bangalore - Mangalore	GAIL	1104	16	24"/18"/12"
Dabhol -Bangalore (DBPL)	GAIL	410	16	36"/30"/24"/18"
Surat - Paradip	GAIL	2112	75	36"/24"/18"
Jagdishpur- Haldia	GAIL	1860	32	
Mallavaram - Bhilwada	GITL	2035	78.25	36"/30"/24"/18"
Mehsana - Bhatinda	GIGL	2052	77.11	
Bhatinda -Srinagar	GIGL	725	42	
Kakinada - Srikakulam	APGDC	391	90	
<b>Total</b>		<b>10689</b>		

### 17. Existing and upcoming LNG Terminals as on 30.9.2014

Existing/ Upcoming Terminals	Promotors	Capacity (MMTPA)	Expected Timelines
Dahej	Petronet LNG Ltd (PLL)	15*	Existing
Hazira	Shell	3.6	Existing
Dabhol	RGPPL (GAIL - NTPC JV)	5**	Existing
Kochi	Petronet LNG Ltd (PLL)	5	Existing
Kakinada	Shell & Reliance	10***	2016-17
Kakinada East Godavari initially FSRU	GAIL + AP Govt. (JV) Proposed	3.5	2016-17
Mundra	Adani & GSPC (Proposed)	5	2015-16
Ennore	IOCL	10****	2017-18
Gangavaram (AP)	PLL	5	2018-19
Mangalore	ONGC + BPCL	2.5	2018-19

\* Existing 10 MMTPA to be increased to 15 MMTPA by 2016-17 ; \*\* 2 MMTPA in Phase-1 without break water ; to be increased to 5.0 MMTPA;

\*\*\* 5 MMTPA in Phase-1 to be increased to 10 MMTPA ; \*\*\*\* 5 MMTPA in Phase - 1 to be increased to 10 MMTPA

### 18. Status of PNG connections and CNG stations across India (Nos.)

State	Entity Operating	Geographical Region	CNG Stations	PNG Connections
			(as on 30.9.2014)	(as on 1.2.2015)
<b>Haryana</b>	Haryana City Gas, Adani Gas Limited, Gail Gas Ltd.	Sonepat, Faridabad, Gurgaon	15	21,821
<b>Andhra Pradesh, Telangana</b>	Bhagyanagar Gas Ltd	Kakinada, Hyderabad, Vijaywada, Rajamundry	30	2,679
<b>Assam</b>	Assam Gas Co. Ltd	Tinsukia, Dibrugarh, Sibsagar, Jorhat, Golaghat	0	27,703
<b>Gujarat</b>	Sabarmati Gas Ltd, GSPC Gas Co. Ltd, Adani Gas Ltd , Vadodara Mahanagar Seva Sadan, GAIL, GAIL Gas, HPCL, Gujarat Gas Co. Ltd, Charotar Gas Sahakari Mandali Ltd	Ghandhinagar, Mehsana, Sabarkantha, Nadiad, Halol, Hazira, Rajkot, Khambhat, Palej, Valsad, Navsari, Surendernagar, Vadodara, Ahmedabad, Surat, Ankeleswar & Bhavnagar, Anand	342	1,363,222
<b>Madhya Pradesh</b>	Avantika Gas Ltd, GAIL Gas Ltd	Dewas, Vijaipur, Indore including Ujjain, Gwalior	17	2,797
<b>New Delhi</b>	Indraprastha Gas Ltd	National Capital Territory of Delhi (Including Noida & Ghaziabad)	325	528,512
<b>Rajasthan</b>	GAIL Gas Ltd	Kota	2	189

<b>State</b>	<b>Entity Operating</b>	<b>Geographical Region</b>	<b>CNG Stations</b>	<b>PNG Connections</b>
			(as on 30.9.2014)	(as on 1.2.2015)
<b>Maharashtra</b>	Mahanagar Gas Ltd, Maharashtra Natural Gas Ltd, GAIL Gas Ltd	Thane & adjoining contiguous areas including Mira Bhayender, Navi Mumbai, Thane City, Ambernath, Bhiwandi, Kalyan, Dombivily, Badlapur, Ulhasnagar, Panvel, Kharghar & Taloja, Pune City including Pimpri Chinchwad and along with adjoining contiguous areas of Chakan, Hinjewadi & Talegaon GA, Panvel	203	794,366
<b>Tripura</b>	Tripura Natural Gas Co. Ltd	Agartala	4	17,393
<b>West Bengal</b>	GEECL	Kolkata	7	0
<b>Uttar Pradesh</b>	GAIL Gas Ltd, Sanwariya Gas, Green Gas , Central U.P. Gas , Siti Energy Ltd	Meerut, Mathura, Agra,Kanpur, Bareilly, Lucknow, Moradabad, Ferozabad	36	16,182
		<b>Total</b>	<b>981</b>	<b>2,774,864</b>

## 19. Information on Prices, Taxes and Under-recoveries

Sales & profit of Petroleum Sector (Rs. Crores)		
Apr-Dec 2014	Turnover	PAT
Upstream Companies	109,831	18285
Downstream Cos.	691,330	1790
Standalone Refineries	86,320	-2902
Private/JVs	385,051	18161

Customs & Excise Duty rates		
	Customs duty	Excise duty
Crude oil	Nil+Rs.50/MT as NCCD	NIL+Rs.4500/MT Cess + Rs. 50/ MT NCCD
Petrol	2.50%	Rs.17.46/Ltr
Diesel	2.50%	Rs.10.26/Ltr
PDS SKO	Nil	NIL
Non PDS SKO	5%	14%
Sub. Dom LPG	Nil	Nil
Non Domestic LPG	5%	8%
Furnace Oil	5%	14%
Naphtha	5%	14%
ATF	NIL	8%

Price buildup of Petroleum products (Rs./litre/Cy.)		
	Petrol	Diesel
Price before taxes and dealer comm.	30.38	31.83
Central taxes	18.01	10.85
State taxes	10.08	5.77
Dealer comm.	2.02	1.26
Retail Selling Price	60.49	49.71
	<b>PDS SKO*</b>	<b>Sub. Dom LPG</b>
Price before taxes and dealer comm.	13.55	373.41
Central taxes	0	0
State taxes	0.44	0
Dealer comm.	1.15	44.06
Retail Selling Price	15.14	417.00

\*At Mumbai, other products at Delhi

Change in Ex. Rate/ Crude price : Impact on Under-recoveries		
(Rs. Crores)	Rs.1/\$ Ex. Rate	\$1/bbl Crude
Impact on Under-recovery	1,120	1,250



## 19. Information on Prices, Taxes and Under-recoveries

Under-recoveries & Burden Sharing			
	2013-14	Apr-Dec`13	Apr-Dec`14
<b>Per unit under-recovery (Rs./litre/Cyl.)</b>			
Diesel	8.39	8.49	2.70*
PDS SKO	33.98	33.12	31.69
Sub. Dom LPG	499.52	440.39	428.31
<b>Total Under-recoveries (Rs. Crores)</b>			
Diesel	62,837	47,655	10,935*
PDS SKO	30,575	22,373	21,216
Sub. Dom LPG	46,458	30,604	34,941
Total	139,869	100,632	67,091
<b>Burden Sharing (Rs. Crores)</b>			
Government	70,772	35,772	22,085
Upstream	67,021	47,971	42,822
OMCs	2,076	16,889	2,184
<b>Fiscal Subsidy under Govt. Schemes (Rs. Crores)</b>			
PDS SKO	681	601	**
Sub. Dom LPG	1,920	1,707	**

\* Deregulated w.e.f. 19<sup>th</sup> October 2014

\*\*Scheme was extended till 31.3.2014. Further extension yet to be approved.

International Prices/ Exchange rates (\$/bbl)			
	2012-13	2013-14	Apr-Dec`14
Crude (Indian Basket)	107.97	105.52	94.56
Petrol	118.98	114.31	105.61
Diesel	121.97	119.41	106.77
Kerosene	123.11	118.80	106.94
LPG (\$/MT)	885.20	880.49	754.39
FO (\$/MT)	632.52	595.79	527.94
Naphtha (\$/MT)	888.49	881.30	801.82
Exchange (Rs./\$ )	54.45	60.50	60.77
<b>Borrowings of OMCs (Rs. Crores)</b>			
	2012-13	2013-14	Apr-Dec`14
IOCL	80,894	86,263	58,511
BPCL	23,839	20,322	14,012
HPCL	33,789	32,164	21,962
<b>Petroleum Sector Contribution to Central/State Govt.</b>			
	2012-13	2013-14	Apr-Sep`14
Central Government	142,626	152,900	70,137
State Government	136,034	152,460	80,957
Total (Rs. Crores)	278,660	305,360	151,094
<b>Subsidy as a % of GDP</b>			
	2011-12	2012-13	2013-14
Petroleum Subsidy	1.70	1.75	1.37

## 20. Conversion Factors and Volume Conversion

Weight to Volume Conversion			
Product	Weight (MT)	Volume (KL)	Barrel (bbl)
LPG	1	1.844	11.60
Petrol (MS)	1	1.4110	8.50
Diesel (HSD)	1	1.2100	7.45
Kerosene (SKO)	1	1.2850	7.90
ATF	1	1.2880	7.90
Light Diesel Oil (LDO)	1	1.0720	6.75
Furnace Oil (FO)	1	1.0424	6.55
Crude Oil	1	1.1700	7.33

Volume Conversion	
From	To
1 bbl (British Barrel)	159 litres
1 bbl (British Barrel)	42 US Gallons
1 US Gallon	3.78 litres
1 Kilo litre (KL)	6.29 bbl
1 million barrels per day	49.8 MMTPA
Energy Conversion	
1 Kilocalorie (kcal)	4.187 kJ
1 Kilocalorie (kcal)	3.968 Btu
1 Kilowatt-hour (kWh)	860 kcal
1 Kilowatt-hour (kWh)	3412 Btu

Exclusive Economic Zone	
200 Nautical Miles	370.4 Kilometers

Natural Gas Conversions			
1 Standard Cubic Metre	35.31 Cubic Feet	1 MMBTU	25.2 SCM @10000 kcal/SCM
1 BCM/year of Gas	2.74 MMSCMD	GCV (Gross Calorific Value)	10000 kcal/SCM
1 TCF of Gas Reserve	3.88 MMSCMD	NCV (Net Calorific Value)	90% of GCV
1 MMTPA of LNG	3.60 MMSCMD	Gas required for 1 MW power generation	4128 SCM/day
1 MT of LNG	1314 SCM	Power generation from 1 MMSCMD of gas	242 MW