



**Basic Statistics  
on  
Indian Petroleum & Natural Gas**

**2008-09**

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

# Ministry of Petroleum and Natural Gas

## Economic Division

### Preface

The “**Basic Statistics on Indian Petroleum & Natural Gas, 2008-09**” is the fourteenth in a series that was first released in 1996. It is a skeletal forerunner of the detailed annual Statistics Bulletin published regularly after the end of the financial year. Basic Statistics data for the year 2008-09 is, of course, provisional and subject to revision due to final reconciliation of the data by the source agencies.

2. The Bulletin is based on data collected from the various Ministries and Departments of the Government of India, the Public and Private Sector Companies under the purview of this Ministry and Petroleum Planning and Analysis Cell. We appreciate and acknowledge their cooperation. The Officer and staff of Economic Division of this Ministry, Shri Sukhvir Singh, Director, Shri D.P.Singh, Research Officer, Shri S.S. Chahal, Senior Investigator, Ms Kanwaljit Kaur, Junior Investigator supported by Ms Rajeshwari, Assistant deserve due recognition for the efforts in preparing the Bulletin.

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## HIGHLIGHTS IN THE PETROLEUM & NATURAL GAS SECTOR DURING 2008-09

India has total reserves of 775 million metric tonnes of crude oil and 1074 billion cubic metres of natural gas as on 1.4.2009. (Table-7)

The total number of exploratory and development wells and metreage drilled in onshore and offshore areas during 2008-09 was 381 and 888 thousand metres respectively. (Table-8)

Crude oil production during 2008-09 at 33.51 million metric tonnes is 1.79% lower than 34.12 million metric tonnes produced during 2007-08. (Table-11)

Gross Production of Natural Gas in the country at 32.85 billion cubic metres during 2008-09 is 1.33% higher than the production of 32.42 billion cubic metres during 2007-08. (Table-11)

The production of Natural Gas at 50.95% and 0.06% of the total were highest and lowest in Mumbai High and West Bengal respectively during 2008-09. (Table-11)

The flaring of Natural Gas in 2008-09 at 3.29% of gross production is higher than at 2.89% in 2007-08. (Table-12)

The refining capacity in the country increased to 177.97 million tonnes per annum (MTPA) as on 1.4.2009 from 148.968 MTPA as on 1.4.2008. (Table-14)

The total refinery crude throughput during 2008-09 at 160.77 million metric tonnes is 2.99% higher than 156.10 million metric tonnes crude processed in 2007-08 and the pro-rata capacity utilisation in 2008-09 was 107.9% as compared to 104.8% in 2007-08. (Table-14)

The production of petroleum products during 2008-09 was 152.678 million metric tonnes (including 2.162 million metric tonnes of LPG production from natural gas) registering an increase of 3.87% over last year's production at 146.990 million metric tonnes (including 2.060 million metric tonnes of LPG production from natural gas). (Table-15)

The country exported 36.932 million metric tonnes of petroleum products against the imports of 18.285 million metric tonnes during 2008-09. (Table-16)

The sales/consumption of petroleum products during 2008-09 were 133.400 million metric tonnes (including sales through private imports) which is 3.45% higher than the sales of 128.946 million metric tonnes during 2007-08. (Table-17)

The total number of retail outlets of Public Sector Oil Marketing Companies as on 1.4.2009 has gone upto 35066 from 34101 on 1.4.2008. (Table-20)

The total number of LPG consumers of Public Sector Oil Marketing Companies as on 1.4.2009 were 105.632 million against 100.915 million as on 1.4.2008. (Table-23)

The number of persons employed (including contract employees) in petroleum industry reached 139823 in 2008 and is 138973 in 2009. (Table-42)

\*\*\*\*\*

**TABLE 1. INDIAN ECONOMY - SELECTED INDICATORS**

Indicator	Unit/base	2004-05	2005-06	2006-07	2007-08	2008-09*
1	2	3	4	5	6	7
1. Geographical Area	M.Sq.Km.	3.29	3.29	3.29	3.29	3.29
2. Population	Million	1089	1106	1122	1138	1154
3. Gross National Product at factor cost :						
(i) At current prices	Rs.Billion	28553	32496	37496	42970 Q	49062 R
(ii) At constant prices+	"	23669	25932	28498	31149 Q	33236 R
4. Net National Product at factor cost :						
(i) At current prices	Rs.Billion	25264	28708	33126	37876 Q	43264 R
(ii) At constant prices+	"	21045	23069	25334	27648 Q	29420 R
5. Per Capita Net National Product :						
(i) At current prices	Rupees	23199	25956	29524	33283 Q	37490 R
(ii) At constant prices+	"	19325	20858	22580	24295 Q	25494 R
6. Foreign Exchange Reserves : !						
(i) Gold	Rs.Billion	196.86	256.74	295.73	401.24	416.55
(ii) SDR	Mn. of SDRs.	3.0	2.0	1.0	11.0	4.33
(iii) Foreign currency Assets	Rs.Billion	5931.21	6473.27	8365.97	11960.23	12366.39
Foreign Exchange Rate!	Rs./US\$	44.93	44.27	42.25	40.26	45.99
7. Foreign Trade :						
(i) Import	Rs.Billion	5010.65	6604.09	8405.06	10123.12	13055.03
(ii) Export	"	3753.4	4564.18	5717.79	6558.64	7669.35
(iii) Balance of Trade	"	-1257.25	-2039.91	-2687.27	-3564.48	-5385.68
8. Index of Production :						
(i) Agricultural	@	177.3	191.9	200.7	207.1	188.7 aa
(ii) Industrial	1993-94=100	204.8	221.5	247.1	268	274.3
9. Wholesale Price Index :	1993-94=100	187.3	195.6	206.2	215.8	234
10. Consumer Price Index:						
(i) Industrial Workers	1982=100	520	542	125	133	145 a
(ii) Agricultural Labourers	1986-87=100	340	353	380	409	450
(iii) Urban non-manual workers	1984-85=100	436	456	486	515	561
11. Employment : !						
(i) Public Sector	Million	18.01	18.19	N.A.	N.A.	N.A.
(ii) Private Sector	"	8.45	8.80	N.A.	N.A.	N.A.
<b>Total</b>	"	<b>26.46</b>	<b>26.99</b>	N.A.	N.A.	N.A.
No. of persons on live register of employment exchange	Million	42.00	N.A.	N.A.	N.A.	N.A.
12. Energy Generation (Gross) :						
Coal	Mn.Tonne	382.61	407.04	430.83	457.08	493.28
Lignite	"	30.34	30.06	31.29	33.98	NA
Natural Gas	Bn.Cub.Mtr.	31.763	32.202	31.747	32.417	32849
Crude Oil	Mn.Tonne	33.98	32.19	33.988	34.118	33.506
Petroleum Products(Incl RBF)	"	129.36	131.08	148.27	158.74	164.59
13. Electricity Generated (Gross)						
(i) Utilities						
Hydel	B.KWH	84.6	101.5	113.5	120.4	114.1
Thermal	"	492.8	506	538.4	585.3	617.8
Nuclear	"	17	17.3	18.8	16.9	14.7
Total	"	594.4	623.8	670.7	722.6	746.6
(ii) Non-utilities	"	71.4	73.6	81.8	90.5	95.9
<b>Grand Total</b>	"	<b>665.8</b>	<b>697.4</b>	<b>752.5</b>	<b>813.1</b>	<b>842.4</b>

a: The current series of CPI for Industrial workers with 2001 base was introduced w.e.f. January,2006 index. The earlier series on 1982=100 was simultaneously discontinued. The conversion factor from current series is 4.63 in case of general index.

\* : Provisional.

Q : Quick Estimates.

@ : Triennium ending 1981-82

+: Base 1999-2000

! : As on 31 March

R: Revised Estimates

aa: on the basis of 3rd advance estimates

N.A.: Not Available

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

TABLE-2. REAL GROWTH DURING FIVE YEAR PLAN PERIODS

Plan	Period	(Percentage)						
		Real Income Growth			Sectoral Growth Rate			
		Targetted growth in terms of	Plan target	Actual growth	Agriculture	Industry	Services	
1	2	3	4	5	6	7	8	
First Plan	1951-56	NNP	2.1	3.5	2.9	5.9	3.7	
Second Plan	1956-61	NNP	4.5	4.2	3.2	6.4	4.6	
Third Plan	1961-66	NNP	5.6	2.8	-0.5	6.8	5.0	
Fourth Plan	1969-74	NNP	5.7	3.2	2.6	3.7	4.0	
Fifth Plan	1974-79	GDP	4.4	4.7	3.4	6.3	5.5	
Sixth Plan	1980-85	GDP	5.2	5.5	5.5	6.2	5.4	
Seventh Plan	1985-90	GDP	5.0	5.6	3.4	7.5	7.4	
Eighth Plan	1992-97	GDP	5.6	6.5	3.9	8.0	7.9	
Ninth Plan	1997-02	GDP	6.5	5.5	2.0	4.6	8.1	
Tenth Plan	2002-07	GDP	7.9	7.7	2.3	9.2	9.3	
Eleventh	2007-12	GDP	9.0	7.8	\$	4.0	10-11	9-11

\$. Average of 2007-08 & 2008-09.

Note: The actual growth rates are in terms of GDP at factor cost.

Source: (i) Petroleum Planning & Analysis Cell.

(ii) 11th Five Year Plan (Macroeconomic Framework tables 2.1 & 2.3)

TABLE-3: GROSS DOMESTIC PRODUCT FROM PETROLEUM SECTOR

(at Current Prices-Rs Crores)

Years	GDP at factor cost	Petroleum & Natural Gas	Rubber & Petroleum Products	Petroleum Products (estimated @ 81% of Col. 4)	Total (col 3 & 5)	Percentage ( col 6 to Col3)
1	2	3	4	5	6	7
2004-05	2877701	47130	34029	27563	74693	2.60
2005-06	3282385	50121	39989	32391	82512	2.51
2006-07	3779385	54657	48621	39383	94040	2.49
2007-08	4320892	58409	53819	43593	102002	2.36
2008-09	4989804	AE	*	*	*	*

AE: Advanced Estimate

\*: Not Available

Source: Central Statistical Organisation(NAS 2009), Ministry of Statistics &amp; Programme Implementation.

TABLE-4. GROWTH OF INDIAN PETROLEUM INDUSTRY AT A GLANCE

Item	Unit	2004-05	2005-06	2006-07	2007-08	2008-09*
1	2	3	4	5	6	7
<b>1. Reserves !</b>						
(Balance Recoverable)						
(i) Crude Oil	Mn.Tonne	739	786	756	725	769
(ii) Natural Gas	Bn.Cub.Mtr.	923	1101	1075	1055	1050
<b>2. Consumption</b>						
(i) Crude Oil	Mn.Tonne	127.42	130.11	146.55	156.1	160.77
(in terms of refinery crude throughput)						
(ii) Petroleum Products	"	111.63	113.21	120.75	128.95	133.40
(excl. RBF)						
<b>3. Production :</b>						
(i) Crude Oil	"	33.98	32.19	33.988	34.117	33.51
(ii) Petroleum Products	"	118.58	119.75	135.26	144.93	150.52
(iii) LPG from natural gas	"	2.24	2.19	2.09	2.06	2.16
<b>4. Imports &amp; Exports</b>						
<b>(i) Gross Imports :</b>						
(a) Qty : Crude Oil	Mn.Tonne	95.86	99.41	111.5	121.67	128.16
LNG	"	2.5	5.06	6.81	8.32	8.06
Pol. Products	"	8.83	13.44	17.66	22.46	18.29
Total (a)	"	107.19	117.91	135.97	152.45	154.5
(b) Value:Crude Oil	Rs.Billion	1170.03	1717.02	2190.29	2726.99	3418.87
LNG	"	16.96	33.66	56.5	71.97	95.48
Pol.Products	"	148.87	279.72	411.6	610	608.93
Total (b)	"	1335.86	2030.40	2658.39	3408.96	4123.28
<b>Pol. Imports as per DGCI&amp;S</b>	"	1340.94	1946.4	2585.72	3206.41	3930.76 **
<b>(ii) Exports :</b>						
(a) Qty :						
Pol. Products	Mn.Tonne	18.21	23.46	33.62	40.78	36.93
(b) Value:						
Pol.Products	Rs.Billion	299.28	499.74	810.94	1107.89	1174.58
<b>(iii) Net Imports :</b>						
(a) Qty : Crude Oil	Mn.Tonne	95.86	99.41	111.50	121.67	128.16
LNG	"	2.50	5.06	6.81	8.32	8.06
Pol. Products	"	-9.38	-10.02	-15.96	-18.32	-18.65
Total (a)	"	88.98	94.45	102.35	111.67	117.57
(b) Value:Crude Oil	Rs.Billion	1170.03	1717.02	2190.29	2726.99	3418.87
LNG	"	NA	33.66	56.5	71.97	
Pol.Products	"	-150.41	-212.10	-399.34	-497.89	-565.65
Total (b)	"	1036.58	1530.66	1847.45	2301.07	2948.70
<b>(iv) Unit Value of Crude oil imports(gross)</b>						
	Rs./MT	12206	17272	19644	22413	26678
<b>5. India's Total Exports</b>						
	Rs.Billion	3753.4	4564.18	5717.79	6558.64	7669.35
<b>6. Pol. imports as percentage of India's total exports</b>						
(i) Gross Imports	%	35.6	44.5	46.5	52.0	53.8
(ii) Net Imports	%	27.6	33.5	32.3	35.1	38.4
<b>7. Contribution of Oil Sector to Centre/State Resources</b>						
(i) Royalty from crude oil	Rs.Billion	42.71	50.67	58.57	65.44	79.45
(ii) Royalty from gas	"	8.29	8.637	10.75	14.87	8.34 >
(iii)Oil Development Cess	"	55.37	51.96	71.77	71.56	68.86
(iv) Excise & Custom duties	"	563.95	631.43	718.93	783.73	705.57
(v) Sales Tax	"	390.00	459.34	530.86	598.9	N.A.
(vii)Dividend	"	94.36	718.93	115.27	94.74	98.61
<b>8. Natural Gas :</b>						
(i) Gross Production	Bn.Cub.Mtr.	31.763	32.202	31.747	32.417	32.849
(ii) Utilisation	"	30.775	31.325	30.791	31.478	31.770

>: Royalty of Gas for DGH is included in Royalty of Crude Oil for 2008-09.

\* : Provisional.

! : As on 1st April of initial year.

N.A.: Not Available.

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

\*\* : April- February,2009

**TABLE-5. INTERNATIONAL PETROLEUM STATISTICS**

Item	Unit	2005	2006	2007	2008*
1	2	3	4	5	6
<b>1. World Reserves :</b>					
<b>Oil &amp; Gas at year end</b>					
(i) Crude Oil	Bn. Tonne	165.0	164.5	168.6	170.8
of which OPEC	"	123.5	123.6	127.6	129.8
(ii) Natural Gas	Tr.Cu.ft.	6361	6405	6263	6534
of which OPEC	"	3118	2961	3259	3295
<b>2. World Prodn. of Oil &amp; Gas</b>					
(i) Crude Oil	Mn. Tonne	3897	3914	3906	3929
of which OPEC	"	1692	1702	1708	1758
(ii) Natural Gas Net	Bn.Cu.Mtr.	2776	2872	2940	3066
of which OPEC	"	501	520	543	573
<b>3. World Oil Refinery</b>					
(i) Refinery capacity at year end	Mn. Tonne/Year	4266	4331	4378	4414
(ii) Crude throughput	Mn. Tonne	3693	3718	3762	3744
<b>4. World Oil Consumption</b>					
(i) World Total	Mn. Tonne	3871	3911	3953	3928
(ii) Main consuming areas !	"	2257	2262	2711	2698
(iii) Consumption in main areas as % of world	%	58.3	57.8	68.6	68.7
<b>5. World Imports/Exports</b>					
(i) Crude Oil	Mn.Tonne	1885	1933	1984	1970
(ii) Pol. Products	"	576	658	717	728
<b>Total</b>	"	<b>2461</b>	<b>2591</b>	<b>2701</b>	<b>2698</b>
<b>6. Export of Crude Oil/ Pol. from OPEC</b>					
(i) Crude Oil	"	1131	1161	1213	1419
(ii) Pol. Products	"	220	223	215	267
<b>Total</b>	"	<b>1351</b>	<b>1384</b>	<b>1428</b>	<b>1686</b>
<b>7. World Primary Energy Consumption</b>					
	Mn. Tonne				
(i) Oil	Oil Eqv.	3861	3911	3939	3928
(ii) Natural Gas	"	2512	2558	2652	2726
(iii) Coal	"	2957	3042	3195	3304
(iv) Hydro-Electric	"	667	697	696	718
(v) Nuclear Energy	"	627	635	622	620
<b>Total</b>	"	<b>10624</b>	<b>10843</b>	<b>11104.1</b>	<b>11294.8</b>

! : Includes USA, Germany, France, Italy, U.K., Japan, China, Russia, India and South Korea.

Source : (i) BP Statistical Review of World Energy , June-2008 (ii) OPEC Annual Statistical Bulletin.

**TABLE-6. PRIMARY COMMERCIAL ENERGY CONSUMPTION IN INDIA**

<b>Source</b>	<b>Unit</b>	<b>2004-05</b>	<b>2005-06</b>	<b>2006-07</b>	<b>2007-08</b>	<b>2008-09*</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
1. Pol.Products (incl. RBF)	MMT	120.17	122.35	131.67	140.70	145.31
2. Natural Gas (net)	BCM	30.78	31.33	30.79	31.48	31.77
3. Coal	MMT	382.61	407.04	430.83	457.08	493.28
4. Lignite	MMT	30.34	30.06	31.29	33.98	NA
5. Electricity (incl.Non-utilities)	Bn.KWH	665.80	697.40	752.50	813.10	842.80

\* : Provisional

BCM: Billion Cubic Metres

N.B.: Data reflects despatches of Coal/Lignite (incl. stock differential).

Source: Ministry of Finance ( Economic Survey) &amp; Ministry of Petroleum &amp; Natural Gas.

**TABLE-7. OIL AND GAS RESERVES**

<b>AREA</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>CRUDE OIL (Million Metric Tonnes)</b>					
Onshore	376	387	357	403	405
Offshore	410	369	368	366	369
<b>Total</b>	<b>786</b>	<b>756</b>	<b>725</b>	<b>769</b>	<b>775</b>
<b>NATURAL GAS ( Billion Cubic Metres)</b>					
Onshore	340	330	270	264	287
Offshore	761	745	785	786	787
<b>Total</b>	<b>1101</b>	<b>1075</b>	<b>1055</b>	<b>1050</b>	<b>1074</b>

Note: The oil and natural gas reserves (proved and indicated) data relate to 1st April of each year.

Source: ONGC, OIL and DGH.

TABLE-8. EXPLORATORY AND DEVELOPMENT DRILLING

Area	2004-05		2005-06		2006-07		2007-08		2008-09*	
	Wells (No.)	Metre- age (ooo)	Wells (No.)	Metre- age (ooo)	Wells (No.)	Metre- age (ooo)	Wells (No.)	Metre- age (ooo)	Wells (No.)	Metre- age (ooo)
1	2	3	4	5	6	7	8	9	10	11
<b>(a) EXPLORATORY</b>										
Onshore	84	217	82	236	74	187	79	209	90 #	243
Offshore	33	112	32	106	22	76	27	84	32	97
<b>Total (a)</b>	<b>117</b>	<b>329</b>	<b>114</b>	<b>342</b>	<b>96</b>	<b>263</b>	<b>106</b>	<b>293</b>	<b>122</b>	<b>340</b>
<b>(b) DEVELOPMENT</b>										
Onshore	180	399	145	322	157	354	192	405	210 \$	393
Offshore	36	111	42	137	44	125	61	174	49	155
<b>Total (b)</b>	<b>216</b>	<b>510</b>	<b>187</b>	<b>459</b>	<b>201</b>	<b>479</b>	<b>253</b>	<b>579</b>	<b>259</b>	<b>548</b>
<b>Grand Total (a+b)</b>	<b>333</b>	<b>839</b>	<b>301</b>	<b>801</b>	<b>297</b>	<b>742</b>	<b>359</b>	<b>872</b>	<b>381</b>	<b>888</b>

\*: Provisional

Source: Public Sector Undertakings.

#: 8P(Partly drilled) \$: 23P(Partly drilled)

TABLE-9. NUMBER OF WELLS AND METREAGE DRILLED

Area / State	2004-05		2005-06		2006-07		2007-08*		2008-09*	
	Wells No.	Metre- age (000)	Wells No.	Metre- age (000)	Wells No.	Metre- age (000)	Wells No.	Metre- age (000)	Wells (No.)	Metre- age (ooo)
1	2	3	4	5	6	7	8	9	10	11
<b>(a) ONSHORE</b>										
Assam	79	260	58	225	48	190	67	227	80 #	206
Gujarat	139	237	124	215	128	223	156	255	167	296
Others	46	119	45	119	55	128	48	132	53	134
<b>Total (a)</b>	<b>264</b>	<b>616</b>	<b>227</b>	<b>559</b>	<b>231</b>	<b>541</b>	<b>271</b>	<b>614</b>	<b>300</b>	<b>636</b>
<b>(b) OFFSHORE</b>										
Bombay High	34	106	51	171	66	201	88	258	81	252
Others	35	117	23	71						
<b>Total (b)</b>	<b>69</b>	<b>223</b>	<b>74</b>	<b>242</b>	<b>66</b>	<b>201</b>	<b>88</b>	<b>258</b>	<b>81</b>	<b>252</b>
<b>Grand Total (a+b)</b>	<b>333</b>	<b>839</b>	<b>301</b>	<b>801</b>	<b>297</b>	<b>742</b>	<b>359</b>	<b>872</b>	<b>381</b>	<b>888</b>

\*: Provisional

Source: Public Sector Undertakings.

#: 31P(Partly drilled)

TABLE-10. STATE-WISE/BASIN-WISE OIL AND GAS FIELDS IN INDIA

(Number)					
Company / State	Basin	Oil Fields	Gas Fields	Oil and Gas Fields	Total* Fields
1	2	3	4	5	6
<b>A. OIL &amp; NATURAL GAS CORPN. LTD.</b>		<b>15</b>	<b>118</b>	<b>219</b>	<b>352</b>
<b>a) ONSHORE</b>					
Gujarat	Cambay	5	7	84	96
Assam	Upper Assam	2	0	29	31
	A&AA	0	4	2	6
Rajasthan	Jodhpur	0	7	0	7
Andhra Pradesh	K.G. Basin	0	34	11	45
Tamil Nadu	Cauvery	1	7	18	26
Tripura	AAFB	0	9	0	9
Nagaland	A&AA	2	0	1	3
<b>b) OFFSHORE</b>					
East Coast	Cauvery Offshore	0	1	3	4
	KG Offshore(Shallow)	0	4	5	9
	KG Offshore(Deep)	0	10	4	14
	Mahanadi	0	3	0	3
	Andaman	0	1	0	1
West Coast	Cambay	0	0	2	2
	Mumbai Offshore	5	27	59	91
	Kutch	0	4	1	5
<b>B. OIL INDIA LTD.</b>		<b>1</b>	<b>3</b>	<b>15</b>	<b>19</b>
Assam	Upper Assam	0	0	14	14
Arunachal Pradesh	Upper Assam	0	0	1	1
Rajasthan	Jaisalmer	0	3	0	3
	Bikaner Nagaur	1	0	0	1
<b>C. PRIVATE/JVCs</b>		<b>0</b>	<b>4</b>	<b>27</b>	<b>31</b>
<b>a) ONSHORE</b>					
Gujarat	Cambay	0	3	19	22
Arunachal Pradesh	AAFB	0	0	1	1
Assam	Assam	0	0	1	1
West Bengal(CBM)	Raniganj(South)	0	1	0	1
<b>b) OFFSHORE</b>					
East Coast	Cauvery	0	0	1	1
	KG Basin	0	0	1	1
West Coast	Bombay	0	0	3	3
	Cambay	0	0	1	1
<b>Grand Total</b>		<b>16</b>	<b>125</b>	<b>261</b>	<b>402</b>

A&amp;AA : Assam &amp; Assam Arakan.

\* : As on 01.04.2009.

Source: ONGC, OIL and DGH.

TABLE-11. PRODUCTION OF CRUDE OIL AND NATURAL GAS

ITEM	2004-05	2005-06	2006-07	2007-08	2008-09*
1	2	3	4	5	6
<b>1. CRUDE OIL PRODUCTION ++ ('000' Tonnes)</b>					
<b>(a) Onshore:</b>					
Gujarat	6187	6251	6212	6177	5944
Assam/Nagaland	4703	4474	4400	4357	4673.4
Arunachal Pradesh	83	104	109	102	102.4
Tamil Nadu	391	385	353	298	265
Andhra Pradesh@	226	216	252	279	289
<b>Total (a)</b>	<b>11590</b>	<b>11430</b>	<b>11326</b>	<b>11213</b>	<b>11274</b>
of which					
OIL	3196	3234	3107	3100	3468
ONGC	8320	8095	8058	7920	7563
JVC/Private	74	101	161	192	243
<b>(b) Offshore:</b>					
ONGC	18165	16309	17993	18020	17801
JVC/Private	4226	4451	4669	4885	4431
<b>Total (b)</b>	<b>22391</b>	<b>20760</b>	<b>22662</b>	<b>22905</b>	<b>22232</b>
<b>Grand Total (a+b)</b>	<b>33981</b>	<b>32190</b>	<b>33988</b>	<b>34118</b>	<b>33506</b>
<b>2. NATURAL GAS PRODUCTION</b>					
<b>(Million Cubic Metres)</b>					
<b>(a) Onshore:</b>					
Gujarat	3710	3831	3294	2931	2605
Assam/Nagaland	2249	2408	2526	2598	2573
Arunachal Pradesh	40	48	35	30	30
Tripura	497	480	520	534	553
Tamil Nadu	678	906	1130	1169	1242
Andhra Pradesh	1707	1663	1525	1567	1524
Rajasthan	213	242	242	255	216
West Bengal\$(CBM)	-	-	-	15	20
<b>Total (a)</b>	<b>9094</b>	<b>9578</b>	<b>9272</b>	<b>9099</b>	<b>8763</b>
of which					
OIL	2010	2270	2265	2340	2268
ONGC	5658	5751	5876	5877	5753
JVC/Private	1426	1557	1131	882	742
<b>(b) Offshore:</b>					
ONGC (Mumbai High)	17313	16823	16567	16457	16738
JVC/Private	5356	5801	5908	6861	7348
<b>Total (b)</b>	<b>22669</b>	<b>22624</b>	<b>22475</b>	<b>23318</b>	<b>24086</b>
<b>Grand Total (a+b)</b>	<b>31763</b>	<b>32202</b>	<b>31747</b>	<b>32417</b>	<b>32849</b>

\*: Provisional

++: Includes condensates

@: Includes Andhra Pradesh offshore.

\$: Coal Bed Methane Production

Source: ONGC, OIL and DGH.

TABLE-12. STATE-WISE GROSS &amp; NET PRODUCTION OF NATURAL GAS IN INDIA

(Million Cubic Metre)					
STATE / UTILISATION	2004-05	2005-06	2006-07	2007-08	2008-09*
1	2	3	4	5	6
<b>A. ONSHORE</b>					
<b>ASSAM@</b>					
Gross Production(GP)	2502	2698	2803	2883	2819
Re-injected	0	0	0	0	0
Flared	230	205	233	217	193.06
Net Production	2272	2493	2570	2666	2626
% Flared to GP	9.19	7.60	8.31	7.53	6.85
<b>GUJARAT</b>					
Gross Production	3710	3831	3294	2931	2605
Re-injected	0	0	0	0	0
Flared	48	21	17	18	30.856
Net Production	3662	3810	3277	2913	2574
% Flared to GP	1.29	0.55	0.52	0.61	1.18
<b>TAMIL NADU</b>					
Gross Production	678	906	1130	1169	1242
Re-injected	0	0	0	0	0
Flared	50	39	17	17	10
Net Production	628	867	1113	1152	1232
% Flared to GP	7.37	4.30	1.50	1.45	0.81
<b>ANDHRA PRADESH</b>					
Gross Production	1707	1663	1525	1567	1524
Re-injected	0	0	0	0	0
Flared	10	8	9	10	7
Net Production	1697	1655	1516	1557	1517
% Flared to GP	0.59	0.48	0.59	0.64	0.46
<b>TRIPURA</b>					
Gross Production	497	480	520	534	553
Re-injected	0	0	0	0	0
Flared	0	0	0	0	0
Net Production	497	480	520	534	553
% Flared to GP	0.00	0.00	0.00	0.00	0.00
<b>West Bengal\$(CBM)</b>					
Gross Production	-	-	-	15.00	20.00
Re-injected	-	-	-	-	0.00
Flared	-	-	-	14.00	16.77
Net Production	-	-	-	1.00	3.232
% Flared to GP	-	-	-	93.33	83.84
<b>B. OFFSHORE</b>					
<b>MUMBAI HIGH</b>					
Gross Production	17313	16823	16567	16457	16738
Re-injected	0	0	0	0	0
Flared	544	472	556	578	695
Net Production	16769	16351	16011	15879	16043
% Flared to GP	3.14	2.81	3.36	3.51	4.15
<b>PRIVATE/JVCs</b>					
Gross Production	5356	5801	5909	6861	7348
Re-injected	0	0	0	0	0
Flared	106	132	124	84	126.5
Net Production	5250	5669	5785	6777	7222
% Flared to GP	1.98	2.28	2.10	1.22	1.72
<b>TOTAL (A&amp;B)</b>					
Gross Production	31763	32202	31747	32417	32849
Re-injected	0	0	0	0	0
Flared	988	877	956	938.00	1079.18
Net Production	30775	31325	30791	31479	31770
% Flared to GP	3.11	2.72	3.01	2.89	3.29

\*: Provisional

\$:Coal Bed Methane production

Source: ONGC, OIL and DGH.

@ : Including Arunachal Pradesh and Rajasthan

**TABLE-13. INDUSTRY-WISE OFFTAKES OF NATURAL GAS IN INDIA**

(Million Cubic Metre)					
INDUSTRY	2004-05	2005-06	2006-07	2007-08	2008-09*
1	2	3	4	5	6
<b>(a) ENERGY PURPOSES:</b>					
1. Power Generation	12099	11878	11963	12037	12603
2. Industrial Fuel	3569	3780	3205	3324	5912
3. Tea Plantation	142	151	170	160	154
4. Domestic Fuel	343	75	443	39	102
5. Captive use/LPG Shrinkage	4944	5048	5034	5618	5706
6. Others\$	231	1120	40	1258	1535
<b>Total (a)</b>	<b>21328</b>	<b>22052</b>	<b>20855</b>	<b>22436</b>	<b>26012</b>
<b>(b) NON-ENERGY PURPOSES:</b>					
1. Fertilizer Industry	8173	7762	8497	9822	9082
2. Petro-Chemicals	1236	1175	1377	1432	1105
3. CNG	0	0	0	0	0
4. Others**	38	36	639	638	6761
<b>Total (b)</b>	<b>9447</b>	<b>8973</b>	<b>10513</b>	<b>11892</b>	<b>16948</b>
<b>Grand Total (a+b)</b>	<b>30775</b>	<b>31025</b>	<b>31368</b>	<b>34328</b>	<b>42960</b>
Percentage to Grand Total					
Energy Purposes	69.3	71.1	66.5	65.4	60.5
Non-Energy Purposes	30.7	28.9	33.5	34.6	39.5

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

\*\* : Sponge iron use.

Source: ONGC, OIL, DGH and GAIL.

\*: Provisional.

TABLE-14. INSTALLED CAPACITY AND REFINERY CRUDE THROUGHPUT

Refinery / Location	Installed Capacity		Refinery Crude Throughput				
	as on		2004-05	2005-06	2006-07	2007-08	2008-09*
	1.4.2008	1.4.2009					
1	2	3	4	5	6	7	8
<b>(a) PUBLIC SECTOR</b>	<b>105468</b>	<b>105468</b>	<b>93107</b>	<b>96946</b>	<b>108172</b>	<b>112541</b>	<b>112223</b>
IOC, Guwahati, Assam	1000	1000	1002	864	839	920	1076
IOC, Barauni, Bihar	6000	6000	5082	5553	5469	5634	5940
IOC, Koyali, Gujarat	13700	13700	11698	11543	12953	13714	13852
IOC, Haldia, West Bengal	6000	6000	5418	5502	5836	5715	6042
IOC, Mathura, Uttar Pradesh	8000	8000	6387	7938	8883	8033	8601
IOC, Digboi, Assam	650	650	651	615	586	564	623
IOC, Panipat, Haryana	12000	12000	6390	6507	9435	12821	13070
<b>Total IOC</b>	<b>47350</b>	<b>47350</b>	<b>36628</b>	<b>38522</b>	<b>44001</b>	<b>47401</b>	<b>49204</b>
BPCL, Mumbai, Maharashtra	12000	12000	9138	10298	12030	12746	12262
HPCL, Mumbai, Maharashtra	5500	5500	6118	6249	7419	7409	6652
HPCL, Visakh, Andhra Pradesh	7500	7500	8121	7980	9377	9409	9155
<b>Total HPCL</b>	<b>13000</b>	<b>13000</b>	<b>14239</b>	<b>14229</b>	<b>16796</b>	<b>16818</b>	<b>15807</b>
KRL, Kochi, Kerala	7500	7500	7924	6939	7742	8134	7739
CPCL, Manali, Tamil Nadu	9500	9500	8181	9680	9784	9802	9718
CPCL, Narimanam, Tamil Nadu	1000	1000	742	682	618	464	418
<b>Total CPCL</b>	<b>10500</b>	<b>10500</b>	<b>8923</b>	<b>10362</b>	<b>10402</b>	<b>10266</b>	<b>10136</b>
BRPL, Bongaigaon, Assam	2350	2350	2311	2356	2067	2020	2163
NRL, Numaligarh, Assam	3000	3000	2042	2133	2504	2568	2251
ONGC, Tatipaka, Andhra Pradesh	78	78	93	93	94	63	84
MRPL, Mangalore, Karnataka	9690	9690	11809	12014	12536	12525	12577
<b>(b) PRIVATE SECTOR</b>	<b>43500</b>	<b>72500</b>	<b>34309</b>	<b>33163</b>	<b>38379</b>	<b>43562</b>	<b>48549</b>
RPL, Jamnagar, Gujarat	33000	33000	34309	33163	36616	36931	35636
RPL(SEZ), Jamnagar, Gujarat\$	-	29000	-	-	-	-	-
ESSAR Oil Ltd. Vadinar**	10500	10500	-	-	1763	6631	12913
<b>Total (a+b)</b>	<b>148968</b>	<b>177968</b>	<b>127416</b>	<b>130109</b>	<b>146551</b>	<b>156103</b>	<b>160772</b>

\*: Provisional      \*\*: Essar Oil Ltd. Commissioned on 24.11.2006 & Started Production from December, 2006.

Note: \$: RPL(SEZ), Jamnagar, Gujarat Commissioned on 25.12.2008 & Started Production from January, 2009.

1) CPCL and BRPL are subsidiaries of IOC.

2) NRL is subsidiary of BPCL.

3) MRPL is subsidiary of ONGC.

4) KRL is merged with BPCL w.e.f. 21st August, 2006.

Source: Public Sector Undertakings / Private Company.

TABLE-15. PRODUCTION OF PETROLEUM PRODUCTS

	('000' Tonne)				
PRODUCTS	2004-05	2005-06	2006-07	2007-08	2008-09*
	1	2	3	4	5
<b>(a) From Crude Oil</b>					
<b>1. Light Distillates</b>	<b>32865</b>	<b>32427</b>	<b>38104</b>	<b>40111</b>	<b>40222</b>
of which					
LPG	5570	5525	6315	6732	6996
Mogas	11057	10502	12539	14167	16020
Naphtha	14100	14509	16660	16440	14826
Others <sup>LD</sup>	2138	1891	2590	2772	2380
<b>2. Middle Distillates</b>	<b>62509</b>	<b>64432</b>	<b>71225</b>	<b>76649</b>	<b>80309</b>
of which					
Kerosene	9298	9078	8491	7794	8223
ATF/RTF/Jet A-1	5201	6196	7805	9107	8071
HSD	45903	47572	53465	58361	62889
LDO	1546	923	803	671	606
Others <sup>MD</sup>	561	663	661	716	520
<b>3. Heavy Ends</b>	<b>23205</b>	<b>22891</b>	<b>25931</b>	<b>28170</b>	<b>29985</b>
of which					
Furnace Oil	10560	10320	12325	12638	14749
LSHS/HHS/RFO	4410	3985	3372	3166	2935
Lube Oils	646	677	825	881	874
Bitumen	3349	3576	3891	4507	4713
Petroleum Coke	3162	3182	3779	4129	4241
Paraffin Wax	64	63	63	64	69
Others Waxes	4	3	5	7	5
Others <sup>HE</sup>	1010	1085	1671	2778	2399
<b>Total (1+2+3)</b>	<b>118579</b>	<b>119750</b>	<b>135260</b>	<b>144930</b>	<b>150516</b>
<b>(b) From Natural Gas</b>					
LPG	2240	2185	2093	2060	2162

\*: Provisional

LD: Includes Propylene, C-3, Propane, Hexane, Special Boiling Point Spirit, Benzene, Toluene, Petroleum Hydro Carbon Solvent, Natural Heptane, Methyl Tertiary Butyl Ether, Poly Isobutene, Poly Butadiene Feed Stock and Methyl Ethyl Keetone Feed Stock.

MD: Includes Mineral Turpentine Oil, JP-5, Linear Alkyl Benzene Feed Stock, Aromex, Jute Batching Oil, Solvent 1425, Low Sulphur Heavy Fuel HSD, Desulphurisation Hydrocracker Bottom and Special Kerosene.

HE: Includes Carbon Black Feed Stock, Sulphur, Solar Oil, Light Aluminium Rolling Oil and Extracts.

TABLE-16. IMPORTS / EXPORTS OF CRUDE OIL AND PETROLEUM PRODUCTS

ITEM	(Qty : '000' Tonne, Value : Rs.Crore)							
	2005-06		2006-07		2007-08		2008-09*	
	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value
1	2	3	4	5	6	7	8	9
<b>GROSS IMPORTS</b>								
<b>A. Crude Oil</b>	<b>99409</b>	<b>171702</b>	<b>111502</b>	<b>219029</b>	<b>121672</b>	<b>272699</b>	<b>128155</b>	<b>341887</b>
<b>B .LNG</b>	<b>5060</b>	<b>3366</b>	<b>6810</b>	<b>5650</b>	<b>8320</b>	<b>7197</b>	<b>8060</b>	<b>9548</b>
<b>C. Petroleum Products</b>								
<b>I.Light Distillates</b>	<b>6181</b>	<b>14855</b>	<b>8005</b>	<b>21369</b>	<b>9485</b>	<b>29221</b>	<b>7950</b>	<b>27470</b>
1. LPG	2883	7042	2278	5766	2832	8700	2347	7832
2. MS	486	1286	421	1326	328	1137	397	1530
3. Naphtha	2331	5400	5306	14277	5983	18470	4988	17349
4. Propane/MTBE	481	1127	0	0	342	914	218	759
<b>II.Middle Distillates</b>	<b>1846</b>	<b>4532</b>	<b>2392</b>	<b>6938</b>	<b>5443</b>	<b>17556</b>	<b>4186</b>	<b>16147</b>
1.ATF	2	12	2	17	3	20	3	32
2.SKO	1044	2617	1423	4250	2489	8324	1449	6459
3.HSD	800	1903	967	2671	2951	9212	2734	9656
<b>III.Heavy Ends</b>	<b>5413</b>	<b>8585</b>	<b>7263</b>	<b>12853</b>	<b>7533</b>	<b>14223</b>	<b>6149</b>	<b>17276</b>
1.FO / LSHS	1434	2099	2983	5174	1187	2211	1201	3234
2.Lubes / Others <sup>HEI</sup>	3979	6486	4280	7679	6346	12012	4948	14042
<b>Total(C)</b>	<b>13440</b>	<b>27972</b>	<b>17660</b>	<b>41160</b>	<b>22461</b>	<b>61000</b>	<b>18285</b>	<b>60894</b>
<b>Grand Total(A+B+C)</b>	<b>117909</b>	<b>203040</b>	<b>135972</b>	<b>265839</b>	<b>152453</b>	<b>340896</b>	<b>154500</b>	<b>412329</b>
<b>EXPORTS</b>								
<b>Petroleum Products</b>								
<b>I.Light Distillates</b>	<b>7769</b>	<b>17384</b>	<b>12344</b>	<b>32581</b>	<b>13937</b>	<b>42220</b>	<b>12828</b>	<b>42366</b>
1.LPG	53	164	112	342	99	401	109	455
2.MS	2417	5843	3615	10191	4258	13614	5330	17500
3.Naphtha	5066	10787	8411	21431	9297	27365	7284	24028
4.TAME	0	0	0	0	0	0	0	0
5.Reformate	233	590	206	617	283	841	105	383
<b>II.Middle Distillates</b>	<b>11453</b>	<b>26102</b>	<b>15171</b>	<b>39993</b>	<b>18931</b>	<b>54919</b>	<b>17337</b>	<b>60895</b>
1.SKO	121	371	150	541	137	492	77	362
2.HSD/LDO	8504	18654	11369	29198	14308	40871	13770	47521
3.ATF	2828	7077	3652	10254	4486	13556	3490	13012
<b>III.Heavy Ends</b>	<b>4239</b>	<b>6488</b>	<b>6109</b>	<b>8520</b>	<b>7911</b>	<b>13650</b>	<b>6767</b>	<b>14197</b>
1.FO/LSHS	1815	2268	3759	4988	4718	6811	5932	11795
2.VGO/Lubes	993	1577	859	1826	1498	3236	215	813
3.Coke/Bitumen/ White Oil/Paraffin	339	302	66	77	409	614	172	377
4. Others	1092	2341	1425	1629	1286	2989	448	1212
<b>Total</b>	<b>23461</b>	<b>49974</b>	<b>33624</b>	<b>81094</b>	<b>40779</b>	<b>110789</b>	<b>36932</b>	<b>117458</b>
<b>NET IMPORTS</b>								
<b>A. Crude Oil</b>	<b>99409</b>	<b>171702</b>	<b>111502</b>	<b>219029</b>	<b>121672</b>	<b>272699</b>	<b>128155</b>	<b>341887</b>
<b>B. LNG</b>	<b>5060</b>	<b>3366</b>	<b>6810</b>	<b>5650</b>	<b>8320</b>	<b>7197</b>	<b>8060</b>	<b>9548</b>
<b>C. Pol.Products</b>	<b>-10021</b>	<b>-22002</b>	<b>-15964</b>	<b>-39934</b>	<b>-18318</b>	<b>-49790</b>	<b>-18647</b>	<b>-56564</b>
<b>Grand Total</b>	<b>94448</b>	<b>153066</b>	<b>102348</b>	<b>184745</b>	<b>111674</b>	<b>230106</b>	<b>117568</b>	<b>294871</b>

TAME: Tertiary Amyl Methyl Ether.

\*: Provisional.

HEI: Includes Bitumen, Lube Oil Base Stock, Low Sulphur Waxy Residue, Carbon Black Feed Stock, Rubber Processing Oil and Paraffin Wax.

Source: Petroleum Planning &amp; Analysis Cell, New Delhi.

**TABLE 17. SALES/CONSUMPTION OF PETROLEUM PRODUCTS**

( 000' Tonne)					
Products	2004-05	2005-06	2006-07	2007-08	2008-09*
1	2	3	4	5	6
<b>1 Light Distillates</b>	<b>35201</b>	<b>33660</b>	<b>37076</b>	<b>38556</b>	<b>39908</b>
<b>of which</b>					
LPG	10245	10456	10849	12165	12193
Mogas	8251	8647	9286	10332	11257
Naphtha	13993	12194	13886	13294	13875
NGL	0	0	0	0	0
Others	2712	2363	3055	2766	2583
<b>2 Middle Distillates</b>	<b>53907</b>	<b>54423</b>	<b>57595</b>	<b>62823</b>	<b>66364</b>
<b>of which</b>					
SKO	9395	9541	9505	9365	9303
ATF	2813	3296	3983	4543	4455
HSDO	39650	40191	42896	47669	51668
LDO	1477	883	720	667	552
Others	572	512	491	579	386
<b>3 Heavy Ends</b>	<b>22526</b>	<b>25129</b>	<b>26078</b>	<b>27567</b>	<b>27128</b>
<b>of which</b>					
Furnace Oil @	9136	8921	9257	9469	9267
LSHS/HHS	4404	3904	3361	3248	3170
Lubes/Greases	1348	2081	1900	2290	2149
Bitumen	3339	3508	3832	4506	4705
Petroleum Coke	3129	4928	5440	5950	5870
Paraffin Wax	80	268	303	241	199
Other Waxes	0	105	65	65	3
Others	1090	1414	1920	1799	1765
<b>TOTAL</b>	<b>111634</b>	<b>113212</b>	<b>120749</b>	<b>128946</b>	<b>133400</b>
Refinery Fuel	8537	9141	10920	11751	11912
<b>Grand Total</b>	<b>120171</b>	<b>122353</b>	<b>131669</b>	<b>140697</b>	<b>145312</b>

\*: Provisional.

@ : LSHS sales by pvt. parties included in FO. Break-up to these two products is not available.  
Source: Petroleum Planning & Analysis cell, New Delhi.

**TABLE-18. AVERAGE ANNUAL COMPOUND GROWTH RATES  
OF SALES OF PETROLEUM PRODUCTS**

PRODUCTS	(Percentage)						
	1974-79 V Plan	1979-80 Annual	1980-85 VI Plan	1985-90 VII Plan	1992-97 VIII Plan	1997-02 IX Plan	2002-07 X Plan
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>
LPG	8.7	0.5	18.4	18.9	10.0	12.6	8.2
MS	-0.1	-0.6	6.9	10.9	6.8	7.2	7.3
Naphtha	10.4	-4.1	5.3	1.4	6.4	20.1	-3.5
Others	-1.7	-8.7	1.2	14.2	7.2	38.7	N.A.
<b>Light Distillates</b>	<b>5.6</b>	<b>-2.7</b>	<b>7.2</b>	<b>8.3</b>	<b>7.5</b>	<b>15.3</b>	N.A.
ATF	8.2	-0.9	3.2	5.8	6.7	0.9	3.2
SKO	3.7	-2.0	9.0	6.7	3.9	0.5	0.0
HSD	9.8	13.5	6.9	8.6	9.1	0.9	5.6
LDO	-1.0	4.1	-1.1	4.4	-3.5	5.4	0.0
Others	0.0	12.3	0.2	3.0	8.8	5.2	N.A.
<b>Middle Distillates</b>	<b>6.7</b>	<b>7.6</b>	<b>6.6</b>	<b>7.7</b>	<b>7.4</b>	<b>1.0</b>	N.A.
Lubes	-2.3	4.0	3.2	6.9	1.7	2.3	4.7
FO/LSHS	2.4	6.2	2.3	2.1	4.6	2.4	2.6
Bitumen	-2.4	13.4	-2.6	12.6	5.9	2.6	3.0
Others	1.6	16.6	5.5	8.5	4.9	27.6	N.A.
<b>Heavy Ends</b>	<b>1.5</b>	<b>7.3</b>	<b>2.0</b>	<b>4.0</b>	<b>4.6</b>	<b>4.4</b>	N.A.
<b>Total Sales</b>	<b>4.8</b>	<b>5.8</b>	<b>5.4</b>	<b>6.9</b>	<b>6.8</b>	<b>4.9</b>	<b>3.7</b>

N.A. : Not Available.

Note : Growth rates are based on consumption including private parties imports .

Source: Petroleum Planning & Analysis Cell.

**TABLE-19. MARKETING OF PETROLEUM PRODUCTS BY OIL COMPANIES**

Item	Unit	2004-05	2005-06	2006-07	2007-08	2008-09*
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>
1.Total Sales (excl. RBF)	Mn. Tonne	111.63	113.21	120.75	128.95	133.4
2. Percentage Share						
IOC/AOD	%	43.0	40.8	44.20	44.95	46.0
BPCL	%	18.5	18.1	18.80	19.28	19.7
HPCL	%	17.1	16.2	16.30	17.11	17.8
Others (PSUs)	%	6.2	5.9	1.80	1.76	1.6
Private Parties	%	15.2	19.0	18.90	16.91	14.9
<b>Total</b>	<b>%</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

\*: Provisional

RBF : Refinery Boiler Fuel

Source: Petroleum Planning & Analysis Cell.

**TABLE-20. STATE-WISE AND COMPANY-WISE RETAIL OUTLETS**

State / UT	As on 1.4.2009				(Number)
	IOCL/ AOD	HPCL	BPCL	TOTAL (Col.2-4)	Total as on 1.4.2008
	1	2	3	4	5
<b>STATES</b>					
Andhra Pradesh	1429	769	723	2921	2848
Arunachal Pradesh	46	0	1	47	47
Assam	447	61	22	530	521
Bihar	911	249	306	1466	1397
Chhattisgarh	217	142	148	507	498
Delhi	200	96	105	401	401
Goa	21	32	39	92	91
Gujarat	928	411	439	1778	1741
Haryana	911	363	257	1531	1456
Himachal Pradesh	164	67	52	283	272
Jammu & Kashmir	184	103	91	378	364
Jharkhand	342	168	156	666	644
Karnataka	1172	556	532	2260	2149
Kerala	769	481	388	1638	1607
Madhya Pradesh	781	379	483	1643	1592
Maharashtra	1241	902	1035	3178	3089
Manipur	54	0	2	56	55
Meghalaya	98	18	6	122	116
Mizoram	20	2	0	22	21
Nagaland	42	2	3	47	46
Orissa	509	175	245	929	909
Punjab	1453	652	547	2652	2599
Rajasthan	1126	666	551	2343	2284
Sikkim	14	3	12	29	28
Tamil Nadu	1423	753	793	2969	2896
Tripura	41	0	0	41	38
Uttar Pradesh	2386	947	929	4262	4161
Uttaranchal	188	100	78	366	362
West Bengal	926	387	411	1724	1691
<b>UNION TERRITORIES</b>					
Andaman & Nicobar	7	0	0	7	6
Chandigarh	22	11	10	43	43
Dadra & Nagar Haveli	8	3	1	12	11
Daman & Diu	10	5	3	18	15
Lakshadweep	0	0	0	0	0
Pondicherry	50	36	19	105	103
<b>Grand Total</b>	<b>18140</b>	<b>8539</b>	<b>8387</b>	<b>35066</b>	<b>34101</b>

Source: Public Sector Undertakings.

**TABLE-21. STATE-WISE AND COMPANY-WISE SKO/LDO DEALERSHIPS**

State / UT	As on 1.4.2009				(Number)
	IOCL/ AOD	HPCL	BPCL	TOTAL (Col.2-4)	Total as on 1.4.2008
	1	2	3	4	5
<b>STATES</b>					
Andhra Pradesh	282	244	77	603	605
Arunachal Pradesh	33	0	0	33	33
Assam	361	0	0	361	361
Bihar	285	37	51	373	373
Chhattisgarh	61	39	9	109	109
Delhi	81	23	12	116	116
Goa	8	7	6	21	21
Gujarat	284	127	86	497	497
Haryana	85	41	22	148	148
Himachal Pradesh	18	3	5	26	26
Jammu & Kashmir	35	8	4	47	47
Jharkhand	57	13	16	86	86
Karnataka	184	94	47	325	325
Kerala	136	72	35	243	244
Madhya Pradesh	166	63	52	281	281
Maharashtra	305	260	210	775	775
Manipur	36	0	0	36	36
Meghalaya	35	0	0	35	35
Mizoram	19	0	0	19	19
Nagaland	19	0	0	19	19
Orissa	107	47	25	179	179
Punjab	139	71	34	244	244
Rajasthan	119	103	31	253	253
Sikkim	10	0	2	12	12
Tamil Nadu	270	139	56	465	465
Tripura	40	0	0	40	40
Uttar Pradesh	412	138	149	699	699
Uttaranchal	46	12	14	72	72
West Bengal	314	89	66	469	476
<b>UNION TERRITORIES</b>					
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
Pondicherry	3	5	0	8	8
<b>Grand Total</b>	<b>3962</b>	<b>1638</b>	<b>1014</b>	<b>6614</b>	<b>6624</b>

Source: Public Sector Undertakings.

**TABLE-22. STATE-WISE AND COMPANY-WISE LPG DISTRIBUTORS**

State / UT	As on 1.4.2009				(Number)
	IOCL/ AOD	HPCL	BPCL	TOTAL (Col.2-4)	Total as on 1.4.2008
1	2	3	4	5	6
<b>STATES</b>					
Andhra Pradesh	378	303	199	880	878
Arunachal Pradesh	30	0	0	30	30
Assam	227	9	15	251	251
Bihar	186	51	73	310	309
Chhattisgarh	81	44	27	152	150
Delhi	194	45	75	314	316
Goa	8	28	17	53	53
Gujarat	311	122	112	545	542
Haryana	143	57	80	280	277
Himachal Pradesh	92	17	12	121	119
Jammu & Kashmir	75	60	16	151	152
Jharkhand	88	27	27	142	141
Karnataka	213	162	109	484	489
Kerala	199	74	100	373	374
Madhya Pradesh	294	142	128	564	568
Maharashtra	237	401	362	1000	1000
Manipur	31	0	0	31	31
Meghalaya	32	0	0	32	32
Mizoram	25	0	0	25	25
Nagaland	27	0	0	27	27
Orissa	79	74	36	189	185
Punjab	251	74	100	425	420
Rajasthan	202	115	113	430	429
Sikkim	8	0	0	8	8
Tamil Nadu	390	118	148	656	658
Tripura	29	0	0	29	29
Uttar Pradesh	710	186	270	1166	1177
Uttaranchal	133	19	17	169	168
West Bengal	293	109	73	475	473
<b>UNION TERRITORIES</b>					
Andaman & Nicobar	4	0	0	4	4
Chandigarh	19	5	4	28	28
Dadra & Nagar Haveli	0	1	0	1	1
Daman & Diu	0	2	0	2	2
Lakshadweep	1	0	0	1	1
Pondicherry	9	5	4	18	18
<b>Grand Total</b>	<b>4999</b>	<b>2250</b>	<b>2117</b>	<b>9366</b>	<b>9365</b>

Source: Public Sector Undertakings.

**TABLE-23. STATE-WISE AND COMPANY-WISE LPG DOMESTIC CONSUMERS**

State / UT	As on 1.4.2009				Total
	IOCL/ AOD	HPCL	BPCL	TOTAL (Col.2-4)	as on 1.4.2008
	1	2	3	4	5
<b>STATES</b>					
Andhra Pradesh	4304	4733	2419	11456	11010
Arunachal Pradesh	129	0	0	129	123
Assam	1895	30	69	1994	1923
Bihar	1800	378	396	2574	2409
Chhattisgarh	583	355	175	1113	1074
Delhi	2722	596	934	4252	4138
Goa	10	265	151	426	411
Gujarat	3145	1202	1303	5650	5337
Haryana	1679	656	1090	3425	3290
Himachal Pradesh	1069	164	76	1309	1258
Jammu & Kashmir	404	878	145	1427	1401
Jharkhand	842	197	134	1173	1118
Karnataka	2575	1996	1480	6051	5630
Kerala	3156	840	1692	5688	5390
Madhya Pradesh	2247	1219	894	4360	4186
Maharashtra	1636	5960	6295	13891	13171
Manipur	221	0	0	221	218
Meghalaya	113	0	0	113	109
Mizoram	192	0	0	192	188
Nagaland	144	0	0	144	140
Orissa	586	659	290	1535	1478
Punjab	2931	958	1132	5021	4682
Rajasthan	1931	1165	1309	4405	4131
Sikkim	120	0	0	120	114
Tamil Nadu	6452	1378	2783	10613	9996
Tripura	261	0	0	261	256
Uttar Pradesh	6017	1526	2781	10324	10326
Uttaranchal	1273	93	189	1555	1512
West Bengal	3555	1152	746	5453	5196
<b>UNION TERRITORIES</b>					
Andaman & Nicobar	66	0	0	66	53
Chandigarh	219	71	47	337	320
Dadra & Nagar Haveli	0	39	0	39	34
Daman & Diu	0	29	16	45	44
Lakshadweep	3	0	0	3	3
Pondicherry	120	93	54	267	251
<b>GRAND TOTAL</b>	<b>52400</b>	<b>26632</b>	<b>26600</b>	<b>105632</b>	<b>100915</b>

Source: Public Sector Undertakings.

TABLE-24. CNG ACTIVITIES IN INDIA

(As on 1.4.2009)

Item	Delhi		Maharashtra			Gujarat			Uttar Pradesh				Andhra Pradesh			Tripura	Madhya Pradesh		Total	Grand
	Delhi	#	Pune	Vado-dara	Surat	Ankle-shwar	Lucknow	Agra	Kanpur	Bareilly	Vijaywada	Hyderabad	Rajamundry	Agartala	Indore	Ujjain	Total	Total		
	IGL	MGL	MNGL	GAIL	GGCL	GGCL	GAIL	GAIL	CUGL	CUGL	BGL	GAIL	BGL	BGL	TNGCL	GAIL	GAIL	18(5-17)	19	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18(5-17)	19		
<b>Station Type</b>																				
Mother	73	9	1	2	2	1	1	1	1	1	1	0	0	0	1	0	11	94		
Online	51	113	0	0	21	2	0	0	6	0	0	0	0	1	0	0	30	194		
Daughter Booster	43	14	6	1	2	1	3	2	0	0	5	3	1	0	0	0	18	81		
Daughter	4	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	4	8		
<b>Total</b>	<b>171</b>	<b>136</b>	<b>7</b>	<b>3</b>	<b>25</b>	<b>4</b>	<b>4</b>	<b>3</b>	<b>7</b>	<b>1</b>	<b>6</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>4</b>	<b>1</b>	<b>63</b>	<b>377</b>		
<b>No. of Vehicles</b>																				
Cars / Taxis	177328	56061	46	623	36826	4213	384	165	297	\$	720	\$\$	\$\$	65	300	\$\$\$	43593	277028		
Autos	93440	130447	481	3131	40417	6268	6502	5736	8799	\$	3997	\$\$	\$\$	788	350	\$\$\$	75988	300356		
LCV/RTVs	5780	1829	0	0	0	0	0	0	0	\$	0	\$\$	\$\$	0	0	\$\$\$	0	7609		
Buses	12918	1547	85	159	515	60	279	294	396	\$	119	\$\$	\$\$	0	0	\$\$\$	1822	16372		
Others/Phatphat	400	1042	0	0	2010	146	77	0	89	\$	27	\$\$	\$\$	0	0	\$\$\$	2349	3791		
<b>Total</b>	<b>289866</b>	<b>190926</b>	<b>612</b>	<b>3913</b>	<b>79768</b>	<b>10687</b>	<b>7242</b>	<b>6195</b>	<b>9581</b>	<b>\$</b>	<b>4863</b>	<b>\$\$</b>	<b>\$\$</b>	<b>853</b>	<b>650</b>	<b>\$\$\$</b>	<b>123752</b>	<b>605156</b>		
<b>Price (Rs./Kg)</b>	18.90	21.70/22.14/21.82/22.23 #	28	24.78/23.79 &/@	27.50	<b>27.50</b>	29.00	33.00	29.00	29.00	25.00	35.00	27.00	22.15	32.00	33.00				
<b>Average Consumption</b>																				
TPD	1252.71	770.25	1.73	28.34	153.52	26.22	36.18	24.44	40.05	\$	10.42	6.22	0.01	2.22	0.78	\$\$\$				
MMSCMD	1.39	1.10	0.002	0.03	0.15	0.03	0.04	0.02	0.04	\$	0.01	0.01	0.00	0.00	0.00	\$\$\$				

MMSCMD: Million Standard Cubic Metres Per Day

TPD : Tonnes per day

\$: Included in Kanpur

\$\$: Included in Vijaywada

\$\$\$ : Included in Indore

#: Mumbai/Thane/Mira Bhayander/Navi Mumbai.

&: Price at Daughter Booster Station and @: Online Station respectively.

Note: GAIL is carrying CNG activities in Vadodara. GAIL has formed eight Joint Venture Companies( JVCs) till date to implement City Gas projects in various cities of

the country. Out of eight JVCs, six are operational at the moment. Apart from IGL & MGL, GAIL's other Joint Venture Companies such as BGL(A.P.),

GGL (Lucknow, Agra & Western U.P., CUGL(Kanpur, Bareilly & Eastern U.P. ) & TNGCL(Agartala inTripura) are also carrying out CNG activities in various cities.

**Conversion factors:**

1. IGL : Indraprastha Gas Ltd.
2. MGL : Mahanagar Gas Ltd.
3. MNGL : Maharashtra Natural Gas Ltd.
4. GGCL : Gujarat Gas Company Ltd.
5. GAIL : GAIL (India) Ltd.

- 1 Kg = 1.313 SCM of gas
- 1 Kg = 1.42 SCM of gas

6. BGL : Bhagyanagar Gas Limited
7. GGL :Green Gas Limited(GGL)
8. CUGL : Central UP Gas Ltd.(CUGL) Kanpur
9. TNGCL : Tripura Natural Gas Company Ltd. Agartala

**TABLE-25. GROWTH IN LPG MARKETING IN THE COUNTRY**

Item	UNIT	2004-05	2005-06	2006-07	2007-08	2008-09*
1	2	3	4	5	6	7
Consumption (PSU/Pvt.)	(TMT)	10232	10456	10849	12165	11784
LPG Customers (PSUs) @	(Lac)	845	886	949	1018	1068
LPG Distributors (PSUs) @	(No.)	9001	9270	9365	9365	9366
LPG Markets (PSUs) @	(No.)	4105	4288	4359	4393	4420
Enrolment	(Lac)	73.0	44.9	53.9	64.9	53.2
Indigenous Production (PSU/Pvt.)	(TMT)	7810	7710	8408	8792	9158
of which						
(a) Refineries	(TMT)	5570	5525	6315	6732	6996
(b) Fractionators	(TMT)	2240	2185	2093	2060	2162
Imports (PSU/Pvt.)	(TMT)	2334	2719	2278	2829	2347
Bottling Capacity @	(TMT/PA)	7702	8122	8448	8697	8967

\*: Provisional

@: Year end position .

Source: Public Sector Undertakings.

**TABLE-26. DETAILS OF SUBSIDIES BY THE CENTRAL GOVERNMENT**

Item	(Rs. Crore)				
	2004-05	2005-06	2006-07	2007-08	2008-09*
1	2	3	4	5	6
<b>I. Total Central Govt. Subsidies</b>	45957	47522	57125	70926	129243
Food	25798	23077	24014	31328	43627
Fertilisers	15879	18460	26222	32490	75849
Pol Products	2957	2683	2699	2820	2877
Other subsidies	1323	3302	4190	4288	6890
<b>II. Pol Subsidy as % of Total Subsidy</b>	6.43	5.65	4.72	3.98	2.23

\*: Provisional

RE : Revised Estimate.

Source: Ministry of Finance(Budget 2008-09, Annex-3 &amp; 3.1 ).

**TABLE-27. SUBSIDIES ON MAJOR PETROLEUM PRODUCTS**

PRODUCT	(Rs.Crore)				
	2004-05	2005-06	2006-07	2007-08	2008-09
1	2	3	4	5	6
Kerosene- Domestic use (PDS)	979	976	969	964	967.14
(Rs./Litre)	N.A	N.A	N.A	N.A	N.A.
HSD	0	0	0	0	0
LPG - Packed- Domestic	1468	1520	1572	1631	1707.2
(Rs./Cyl)	N.A	N.A	N.A	N.A	N.A.
Naphtha/FO/LSHS-Fertiliser use	0	0	0	0	0
Bitumen-Packed	0	0	0	0	0
Paraffin Wax	0	0	0	0	0
<b>Total</b>	<b>2447</b>	<b>2496</b>	<b>2541</b>	<b>2595</b>	<b>2674.34</b>

N.A.: Not Available.

Source: Petroleum Planning &amp; Analysis Cell.

**TABLE-28. RETAIL SELLING PRICES OF SELECTED PETROLEUM PRODUCTS IN METROPOLITAN CITIES IN INDIA**

Cities/Town	MS (.....Rs./Litre.....)	HSDO	SKO	LDO\$ (.....Rs./KL.....)	FO\$	LPG (Rs. Per 14.2 Kg Cylinder)	(.....ATF.....) Domestic Airlines*	l'national Airlines (.....Rs./KL.....)
1	2	3	4	5	6	7	8	9
<b>As on 1.10.2007</b>								
Mumbai	48.41	34.96	9.05	30692.14	22003.71	298.00	29891.56	37390.00
Kolkata	46.90	32.88	9.29	32722.14	21128.32	300.50	33366.70	29100.59
Delhi	42.85	30.25	9.09	30899.64	N.A.	294.75	30124.20	27622.93
Chennai	47.48	33.31	8.39	34588.27	22637.16	288.10	30606.35	27038.37
<b>As on 1.4.2008</b>							<b>Rs./KL</b>	<b>\$/KL</b>
Mumbai	50.51	36.08	9.10	35079.15	30148.86	298.00	44153.26	1016.67
Kolkata	48.95	33.92	9.30	38462.88	28667.76	300.50	47688.12	1023.4
Delhi	45.52	31.76	9.09	35555.03	NA	294.75	44424.41	1023.4
Chennai	49.61	34.4	8.39	39454.13	28410.49	288.10	44822.97	1006.81
<b>As on 1.4.2009</b>								
Mumbai	44.55	34.45	9.1	34821.7	20404.58	312.05	30784.81	NA
Kolkata	44.05	32.92	9.75	36765.92	19927.38	327.25	37744.02	NA
Delhi	40.62	30.86	9.22	34413.45	NA	279.7	29925.97	NA
Chennai	44.24	32.82	8.39	38166.91	19557.12	314.55	33306.77	NA

\*:Posted Airfield Price. Exclusive of sales tax and other levies.

\$ : No retail sale.

N.A. : Not Available.

Source: Indian Oil Corporation Ltd. & HPCL's web site

**TABLE-29. WHOLESALE PRICE INDICES OF SELECTED PETROLEUM PRODUCTS**

Products	Weight(%)	(1993-94 =100)				
		2004-05	2005-06	2006-07	2007-08	2008-09*
1	2	3	4	5	6	7
<b>Light Distillates</b>						
LPG	1.83731	316.0	334.8	334.8	334.80	370.00
Petrol	0.88815	203.5	231.1	254.8	242.30	260.80
Naphtha	0.41885	432.1	530.4	615.9	694.40	766.20
<b>Middle Distillates</b>						
Kerosene	0.68928	357.9	357.6	357.6	357.60	357.60
Aviation Turbine Fuel	0.16953	174.1	228.7	262.6	272.70	337.10
High Speed Diesel Oil	2.02034	360.4	430.4	468.2	451.60	488.50
Light Diesel Oil	0.16015	366.3	445.3	491.1	491.20	655.50
<b>Heavy Ends</b>						
Furnace Oil	0.49335	265.5	347.4	393.2	438.40	523.80
Lubricating Oil	0.16367	189.3	194.5	248.8	275.00	323.20
Bitumen	0.14900	267.4	288.0	421.7	479.00	686.80
<b>All commodities</b>	<b>100.00000</b>	<b>189.5</b>	<b>197.2</b>	<b>210.4</b>	<b>215.70</b>	<b>233.90</b>

\*:Provisional.

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

**TABLE-30. WEIGHTED AVERAGE CRUDE OIL PRICES**

Year		(Rs./MT)			
		Basic Price	Royalty	Cess	Sales Tax
2004-05	Offshore crude	11515	1182	1877	558
	Onshore crude	8925	1942	1877	500
	Offshore and Onshore crude	10607	1448	1877	538
2005-06	Offshore crude	11811	1259	1945	563
	Onshore crude	7372	2818	1954	490
	Offshore and Onshore crude	10174	1834	1948	536
2006-07	Offshore crude	17856	1814	2601	824
	Onshore crude	14504	3110	2601	812
	Offshore and Onshore crude	16725	2251	2601	820
2007-08	Offshore crude	26668	2224	2500	869
	Onshore crude	24433	3707	2500	940
	Offshore and Onshore crude	25913	2714	2500	893
2008-09	Offshore crude	30507	2568	2500	878
	Onshore crude	28354	4335	2500	1091
	Offshore and Onshore crude	29796	3152	2500	948

**Note:**

2004-05

1. The above prices exclude octroi and BPT charges.
2. Cess includes NCCD of Rs.50/MT and education cess of Rs.37/MT.
3. Education Cess @2% on OID cess and NCCD is levied from 9.7.04.
4. The above prices are gross. ONGC has allowed subsidy to refineries during 2004-05. The same is not considered in the above.

2005-06

1. The above prices exclude octroi and BPT charges, which is Rs.148.99 and Rs.29.58 per MT respectively, applicable in case of offshore crude only.
2. Cess includes NCCD of Rs.50/MT and education cess of Rs.37/MT.
3. Royalty on onshore crude are based on pre discount crude prices.
4. The above prices are net after considering subsidy discount on crude oil to refineries during 2005-06.
5. The above figures are provisional and before completion of audit of accounts.

2006-07

1. The above prices exclude octroi and BPT charges, which is Rs.303.25 and Rs.26.74 per MT respectively, applicable in case of offshore crude only & crude pipeline charges of Rs.72.30 per MT applicable for onshore crude.
2. Cess includes OIBD Cess of Rs.2500/MT, NCCD of Rs.50/MT and education cess @2% on OIBD Cess and NCCD.

2007-08 &  
2008-09

1. Basic Price is all inclusive Gross (pre-discount) price.
2. All levies like VAT/CST, Royalty, Octroi etc. worked out on Gross Price.
3. 2007-08 and 2008-09 data are derived figures.
4. NCCD @ Rs.50/MT and education cess @3% on OID Cess and NCCD are also payable on crude.

**TABLE-31. CONSUMER AND PRODUCER PRICES OF NATURAL GAS**

(Rs./'ooo' cubic metre)

Effective Date	Consumer Prices		Transportation charges along HVJ pipeline	Producer Prices			Calorific Value (K. Cal / SCM)
	Off-shore (Landfall point) and On-shore	For North-Eastern States		ONGC	ONGC (NE states)	OIL (NE states)	
1	2	3	4	5	6	7	8
01.01.2004	2850	1700	1150	2224	1700	1900	10000
01.03.2004	2850	1700	1150	2224	1700	1900	10000
01.04.2004	2850	1700	1150	2137	1700	1900	10000
01.07.2004	2850	1700	1150	2176	1700	1900	10000
01.09.2004	2850	1700	1150	2194	1700	1900	10000
01.10.2004	2850	1700	1150	2120	1700	1900	10000
01.01.2005	2850	1700	1150	2143	1700	1900	10000
01.04.2005	2850	1700	1150	2384	1700	1900	10000
01.07.2005	3200	1920	1150	3168	1920	3168	10000
01.10.2005	3200	1920	1150	3137	1920	3137	10000
01.01.2006	3200	1920	1150	3118	1920	3118	10000
01.04.2006	3200	1920	1150	3200	1920	3200	10000
01.04.2007	3200	1920	1150	3200	1920	3200	10000
01.04.2008	3200	1920	1150	3200	1920	3200	10000

Note:

- The consumer prices are exclusive of Royalty, Sales Tax and other Statutory Levies. Producer prices are exclusive of Royalty.
- w.e.f. 01.10.1997 gas price along HVJ pipeline includes Rs.1150 per 1000 SCM towards transportation charges. The transportation charges along HVJ pipeline are being increased by 1% for every 10% increase in CPI and are linked to the calorific value of 8500 K.Cal/SCM.
- Actual producer price of OIL & ONGC for sales in North-Eastern Region is Rs.1700/MCM at 10000 Kcal/SCM. However, as per Gas Pricing Order dt. 18th September 1997, for concessional price in the North-East, OIL is to be compensated from the Gas Pool Account, at a producer price of Rs.1900/MCM. The producer price of OIL increases by 1% for every 10% increase in CPI.
- Other than HVJ pipeline, GAIL/transporters are permitted to negotiate transportation charges with the consumers.
- W.e.f. 1.7.2005, the price of natural gas has been revised for Power, Fertiliser Sector, small consumers having allocation upto 0.05 MMSCMD and consumers drawing gas under Supreme Court Orders vide pricing order dated 20.6.2005. The revised price is Rs. 3200/MCM
- w.e.f 6.6.2006 MoP&NG has revised the price of Natural Gas having allocation upto 0.05 MMSCMD & city gas distribution projects vide order dated 5.6.2006. The revised price is Rs 3840/MSCM.
- Transportation charges are to be reviewed by Petroleum & Natural Gas Regulatory Board w.e.f. 20.11.2008.

Source: Petroleum Planning & Analysis Cell.

**TABLE-32. SALES TAX RATES ON CRUDE OIL,  
NATURAL GAS AND MAJOR PETROLEUM PRODUCTS**

STATE	Crude Oil	Natural Gas	CNG	MS	HSD	SKO PDS/ Industrial	LPG Domestic/ Industrial	FO	LDO	Lubes/ Greases	Naphtha	(Percentage)	
												ATF	Asphalt/ Bitumen
												1	2
Andhra Pradesh	4	12.5	16	33	22.25	4/12.5	4/12.5	13	22	12.5	12.5	4	4
Arunachal Pradesh	4 C	20		20	12.5	4/12.5	4/12.5	13	13	12.5	12.5	20	4
Assam	4	20	12	25.75	15.5	2/12.5	4/9	13	16	12.5	12.5	22	4
Bihar				24.5	18.36	12.5/12.5	1/12.5	13	20	12.5	12.5	29	4
Chandigarh			8	20	12.5	4/12.5	0/12.5	13	13	NA	12.5	20	4
Chhattisgarh			8	22	22	4/12.5	0/12.5	4	22	12.5	12.5	25	4
Delhi			8	20	12.5	4/12.5	4/4	20	13	20	20	20	4
Goa			8	22	21	4/12.5	4/12.5	13	20	12.5	20	20	4
Gujarat	4	12.5+2.5%	4	23	21	0/27.5	0/15	5	15	15	18.5	30	5
Haryana			10	20	8.8	4/12.5	0/12.5	13	8.8	12.5	12.5	20	4
Himachal Pradesh			8	25	14	0/12.5	4/12.5	13	14	12.5	12.5	25	4
Jammu & Kashmir			20	20	12	4/12.5	4/12.5	13	13	12.5	12.5	21	4
Jharkhand				20	14.5	4/12.5	4/12.5	13	15	12.5	12.5	20	4
Karnataka			12	25	18	4/12.5	1/12.5	13	18	12.5	12.5	28	4
Kerala			28	29.01	24.69	4/12.5	4/12.5	13	41	4	4	25	4
Madhya Pradesh			8	28.75	23	4/12.5	4/12.5	13	13	12.5	12.5	28.75	4
Maharashtra(i) WML	4	12.5	13	26 \$	26 \$	4/12.5	0/12.5	13	13	12.5/13	12.5	25	12.5
(ii)OML				25 \$	23 \$								
Manipur				18.2	11.7	0/4	4/12.5	13	13	12.5	12.5	20	4
Meghalaya				20	12.5	4/12.5	4/12.5	13	13	12.5	12.5	20	4
Mizoram				20	12	0/0	4/N.A	NA	NA	12.5	NA	NA	4
Nagaland			12	20	12	5/15	4/12	12	12	12	12	20	12
Orissa				18	18	4/12.5	4/12.5	13	20	12.5	12.5	20	4
Punjab			8	27.5	8.8	4/12.5	4/12.5	4	8.8	12.5	12.5	20	4
Pondicherry				12.5	12.5	0/12.5	1/12.5	13	13	12.5	12.5	12.5	1
Rajasthan	4 L	4	12	28	18	4/12.5	0/12.5	4	18	12.5	4	28	4
Sikkim				15	7.5	0/12.5	4/12.5	13	7.5	12.5	12.5	12.5	4
Silvassa				20	20	4/12.5	0/12.5	20	20	0	20	0/20	4
Tamil Nadu	4	4	8	30	21.43	4/25	4/12.5	4	25	12.5	4	29	4
Tripura	-	12.5		15	10	0/12.5	1.5/12.5	13	10	12.5	12.5	20	4
Uttar Pradesh			10	26.55	17.23	4/12.5	0/12.5	21	17	12.5	21	21	12.5
Uttaranchal			10	25	21	12.5/12.5	4/12.5	13	21	12.5	12.5	20	4
West Bengal				25	17	4/12.5	4/4	4	17	12.5	4	25	4

\$(i)WML-Within municipal limits (ii) OML- Outside Municipal Limits.

Note: Above taxes exclude other taxes payable / recoverable as on 1.4.2009.

C: CST.

L: On light crude oil for parties out of Rajasthan

Source: Public Sector Undertakings.

TABLE 33: CENTRAL EXCISE AND CUSTOMS TARIFF

DESCRIPTION OF GOODS	CENTRAL EXCISE*			CUSTOMS*		
	BASIC CENVAT DUTY	SPECIAL ADDL EXCISE DUTY	ADDL. EXCISE DUTY	BASIC CUSTOMS DUTY	ADDL. CUSTOMS DUTY (CVD)	ADDL. CUSTOMS DUTY
1	2	3	4	5	6	7
Crude Petroleum	Nil	N.A.	N.A.	5%+	Nil	N.A.
	Rs. 2500/MT as Cess+			Rs. 50/MT		
	Rs. 50/ MT as NCCD			as NCCD		
Motor Spirit	Rs.5.35/ltr	Rs.6/ltr	Rs.2.00/ltr.	7.50%	Rs.5.35/ltr. +	Rs.2.00/ltr.
					Rs.6.00/ltr SAD	
Motor Spirit (branded)	6%+Rs.5.00/ltr.	Rs.6/ltr	Rs.2.00/ltr.			
Naphtha	16%	N.A.	N.A.	5%	16%	N.A.
A.T.F.	8%	N.A.	N.A.	Nil	8%	N.A.
Kerosene (PDS)	Nil	N.A.	N.A.	Nil	Nil	N.A.
(Non PDS)	14%	N.A.	N.A.	5%	14%	N.A.
HSD	Rs.1.60/ltr.	N.A.	Re.2.00/ltr.	2.50%	Rs.1.60/ltr.	Rs.2.00/ltr.
HSD (branded)	6%+Rs.1.25/Ltr	N.A.	Re.2.00/ltr.			
L.D.O.	14%+Rs. 2.5/Ltr	N.A.	N.A.	5%	14%+Rs. 2.5/Ltr	N.A.
Furnace Oil - Non-Fert	14%	N.A.	N.A.	5%	14%	N.A.
Fertilizers	Nil	N.A.	N.A.	Nil	Nil	N.A.
Transformer Oil	14%	N.A.	N.A.	5%	14%	N.A.
Lube oil/greases	14%	N.A.	N.A.	5%	14%	N.A.
LPG(Dom)	Nil	N.A.	N.A.	Nil	Nil	N.A.
LPG(Non-Dom)	8%	N.A.	N.A.	5%	8%	N.A.
Butane / Propane	14%	N.A.	N.A.	5%	14%	N.A.
Butane / Propane(Dom)	Nil	N.A.	N.A.	Nil	Nil	N.A.
LNG	NIL	N.A.	N.A.	5%	NIL	N.A.
Natural Gas	NIL	N.A.	N.A.	5%	Nil	N.A.
Natural Gas(compressed)	14%	N.A.	N.A.	5%	14%	N.A.
Petroleum Jelly	14%	N.A.	N.A.	5%	14%	N.A.
Waxes all types	14%	N.A.	N.A.	5%	14%	N.A.
Petroleum Coke	14%	N.A.	N.A.	5%	14%	N.A.
Petroleum Bitumen	14%	N.A.	N.A.	5%	14%	N.A.
LSHS/ HPS & other Res.	14%	N.A.	N.A.	5%	14%	N.A.
- Fertilisers	NIL	N.A.	N.A.	5%	NIL	N.A.
Bitumen & Asphalt	14%	N.A.	N.A.	5%	14%	N.A.

\* : As on 01.04.2009

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

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

Source: Petroleum Planning &amp; Analysis Cell.

**TABLE-34. REALISATION OF EXCISE AND CUSTOM DUTIES  
FROM CRUDE OIL AND PETROLEUM PRODUCTS**

PRODUCTS	(Rs.Crore)				
	2004-05	2005-06	2006-07	2007-08	2008-09*
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>
<b>A. EXCISE DUTIES</b>					
1. Motor Spirit	13792	17554	18303	20102	21075
2. Kerosene Oil	1273	212	236	241	281
3. Refined Diesel Oil	14455	21773	24672	23848	21537
4. Diesel Oil (NES)	1246	505	389	306	288
5. Furnace Oil	996	1756	1877	1985	2135
6. Pol. Products (NOS)	3711	4623	4919	6313	6840 \$
7. Petroleum Gases	2424	319	454	570	595
8. Cess on crude oil	5248	5007	7034	6866	6632
<b>Total (A)</b>	<b>43145</b>	<b>51749</b>	<b>57884</b>	<b>60231</b>	<b>59383</b>
<b>B. CUSTOM DUTIES</b>					
1. Crude Petroleum	9761	7158	7583	9101	2768 \$
2. Petroleum Products	3489	4236	6426	9041	8406 \$
<b>Total (B)</b>	<b>13250</b>	<b>11394</b>	<b>14009</b>	<b>18142</b>	<b>11174</b>
<b>Grand Total (A+B)</b>	<b>56395</b>	<b>63143</b>	<b>71893</b>	<b>78373</b>	<b>70557</b>
<b>C. Other Non-Tax</b>	<b>4236</b>	<b>6204</b>	<b>6336</b>	<b>6456</b>	<b>9423 RE</b>
<b>Petroleum Revenue</b>					

Figures rounded to nearest crore.

\$: Including of National Clarity Contingency Duty on Petroleum Products.

RE: Revised estimates are not included in Total Excise & Custom Duties from 2004-05 to 2008-09.

**TABLE 35. PROJECTED PRODUCTION OF CRUDE OIL AND NATURAL GAS  
DURING THE ELEVENTH PLAN (2007-2012)**

<b>Company</b>	<b>2007-08</b>	<b>2008-09</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>TOTAL</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
<b>Production of Crude Oil (MMT)</b>						
ONGC	27.16	28.00	29.00	28.53	27.37	140.06
OIL	3.50	3.55	3.73	3.91	4.30	18.99
Joint Venture / Private Companies	10.57	10.78	9.76	8.75	7.85	47.71
<b>Total</b>	<b>41.23</b>	<b>42.33</b>	<b>42.49</b>	<b>41.19</b>	<b>39.52</b>	<b>206.76</b>
<b>Actual Production</b>	<b>34.12</b>	<b>33.51</b>				
<b>Production of Natural Gas</b>						
	<b>(.....MMSCMD.....)</b>					<b>(BCM)</b>
ONGC	60.55	61.73	62.38	62.99	60.27	112.39
OIL	8.58	8.79	8.90	8.99	9.75	16.43
Joint Venture / Private Companies	23.42	61.78	80.58	78.82	103.20	126.45
<b>Total</b>	<b>92.55</b>	<b>132.30</b>	<b>151.86</b>	<b>150.79</b>	<b>173.23</b>	<b>255.27</b>
<b>Actual Production</b>	<b>88.57</b>	<b>90.00</b>				

Source:Draft Eleventh Five Year Plan Document.

**TABLE 36. PROJECTED PETROLEUM PRODUCT AVAILABILITY  
DURING THE ELEVENTH PLAN (2007-2012)**

<b>Product</b>	<b>2007-08</b>	<b>2008-09</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>TOTAL</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
<b>(‘000’ Tonne)</b>						
<b>Light Distillates</b>	<b>37800</b>	<b>42000</b>	<b>52000</b>	<b>57400</b>	<b>62100</b>	<b>251300</b>
LPG	9100	9700	9300	11000	12800	51900
MS	13700	17500	27700	28900	30500	118300
Naphtha	15000	14800	15000	17500	18800	81100
Others**	0	0	0	0	0	0
<b>Middle Distillates</b>	<b>76400</b>	<b>82300</b>	<b>95300</b>	<b>105800</b>	<b>115200</b>	<b>475000</b>
ATF	6800	7400	9300	10600	11000	45100
SKO	10600	11300	10700	10300	11300	54200
HSD	58000	62600	74500	84100	92300	371500
LDO	1000	1000	800	800	600	4200
Others**	0	0	0	0	0	0
<b>Heavy Ends</b>	<b>29000</b>	<b>32200</b>	<b>38300</b>	<b>38000</b>	<b>41000</b>	<b>178500</b>
Lubes	800	800	800	1100	1100	4600
FO/LSHS	14800	15600	15600	10900	9500	66400
Bitumen	3700	3900	4000	4000	4400	20000
Coke	4100	5400	8300	11000	12800	41600
Others	5600	6500	9600	11000	13200	45900
<b>Grand Total</b>	<b>143200</b>	<b>156500</b>	<b>185600</b>	<b>201200</b>	<b>218300</b>	<b>904800</b>

\*\* : Light & Middle Distillates figures are included in Heavy End's others, as distillate-wise bifurcation is not available.

Source:Draft Eleventh Five Year Plan Document.(as per working group report)

**Table 37. Resources of Public Enterprises of Petroleum & Natural Gas Sector**

Name of the Public Enterprises	Plan Outlay 2008-2009 (B. E.)	Revised Estimates -2008-2009					Budget Estimates -2009-2010					
		Internal Resouces	Bonds/ Debentures	E.C.B./ Suppliers Credit	Other	Total	Plan Outlay (B. E.)	Internal Resouces	Bonds/ Debentures	E.C.B./ Suppliers Credit	Other	Total
		3	4	5	6	7	8	9	10	11	12	13
1. Balmer Lawrie and Company Ltd.	100.00	70.00				70.00	90.00	40.00			50.00	90.00
2. Bharat Petroleum Corporation Ltd.	1972.00				2909.00	2909.00	3348.70				3348.70	3348.70
3. Biecco Lawrie Ltd.	8.00				8.00	8.00	5.00				5.00	5.00
4. Bongaigaon Refinery & Petro-Chemicals Ltd.	557.39				650.00	650.00	561.00	253.50			307.50	561.00
5. Gas Authority of India Ltd.	3413.36	3558.96				0.00	5558.00	1058.00			4500.00	5558.00
6. Hindustan Petroleum Corporation Ltd.	2141.50				1309.50	1309.50	1390.00			400.00	990.00	1390.00
7. Indian Oil Corporation Ltd.	8500.00	-2130.00	4600.00		6330.00	6330.00	11000.00	1362.00	1500.00		8138.00	11000.00
8. Chennai Petroleum Corporation Ltd.	527.94	-567.00			903.49	903.49	716.09	-111.00			827.09	716.09
9. Numligarh Refinery Ltd.	101.00	183.00				0.00	250.00	250.00				250.00
10. Oil & Natural Gas Corporation	19338.00	19641.53				0.00	20867.58	20867.58				20867.58
11. Oil India Ltd.	2230.67	1718.81				0.00	2276.31	2276.31				2276.31
12. Oil & Natural Gas Corporation-Videsh Ltd.	6825.14	5633.15	4855.00		7294.32	7294.32	9365.06	3457.50			5907.56	9365.06
13. Manglore Refineries & Petro-Chemicals Ltd.	825.00	542.00				0.00	2048.00	2048.00				2048.00
<b>Total</b>	<b>46540.00</b>	<b>28650.45</b>	<b>9455.00</b>	<b>0.00</b>	<b>19404.31</b>	<b>19474.31</b>	<b>57475.74</b>	<b>31501.89</b>	<b>1500.00</b>	<b>400.00</b>	<b>24073.85</b>	<b>57475.74</b>

Souces: Expenditure Budget 2009-10 (Vol.-I)

Table 38. Central Plan Outlay of the Ministry of Petroleum &amp; Natural Gas

(Rs. in Crore)

Central Plan Outlay of the P&NG	Budget 2008-2009			Revised Budget 2008-2009			Budget 2009-2010		
	Budget Support	I.E.B.R	Total	Budget Support	I.E.B.R	Total	Budget Support	I.E.B.R	Total
1	2	3	4	5	6	7	8	9	10
All Heads of Accounts	25.00	46540.00	46565.00	25.00	57509.76	57534.76	25.00	57475.74	57500.74
<b>TOTAL</b>	<b>25.00</b>	<b>46540.00</b>	<b>46565.00</b>	<b>25.00</b>	<b>57509.76</b>	<b>57534.76</b>	<b>25.00</b>	<b>57475.74</b>	<b>57500.74</b>

## Demands for Grants of the Ministry of Petroleum &amp; Natural Gas

(Rs. in Crore)

Major Head	Budget 2008-2009			Revised Budget 2008-2009			Budget 2009-2010		
	Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total
1	2	3	4	5	6	7	8	9	10
<b>REVENUE SECTION</b>									
Secretariat-Economic Services	0	11.92	11.92	0	15.70	15.70	0	18.35	18.35
Petroleum	25.00	2901.08	2926.08	25.00	78833.30	78858.30	25.00	13431.98	13456.98
<b>Total Revenue Section</b>	<b>25.00</b>	<b>2913.00</b>	<b>2938.00</b>	<b>25.00</b>	<b>78849.00</b>	<b>78874.00</b>	<b>25.00</b>	<b>13450.33</b>	<b>13475.33</b>
<b>CAPITAL SECTION</b>									
Capital Outlay on Petroleum	0	0	0	0	242.47	242.47	0	0	0
<b>Total Capital Section</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>242.47</b>	<b>242.47</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Grand Total</b>	<b>25.00</b>	<b>2913.00</b>	<b>2938.00</b>	<b>25.00</b>	<b>79091.47</b>	<b>79116.47</b>	<b>25.00</b>	<b>13450.33</b>	<b>13475.33</b>
Special Deposits and Accounts	0.00	0.00	0.00	0.00	-75942.00	-75942.00	0.00	-10306.33	-10306.33
<b>Total Receipts *</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>-75942.00</b>	<b>-75942.00</b>	<b>0.00</b>	<b>-10306.33</b>	<b>-10306.33</b>
<b>Expenditure Provisions, net of the Receipts:</b>									
Revenue	25.00	2913.00	2938.00	25.00	2907.00	2932.00	25.00	3144.00	3169.00
Capital	0.00	0.00	0.00	0.00	242.47	242.47	0.00	0.00	0.00
<b>TOTAL</b>	<b>25.00</b>	<b>2913.00</b>	<b>2938.00</b>	<b>25.00</b>	<b>3149.47</b>	<b>3174.47</b>	<b>25.00</b>	<b>3144.00</b>	<b>3169.00</b>

\* = Receipts are netted for the purpose of exhibition in the Expenditure Budget.

Source: Demand for Grants -2009-2010

**TABLE-39. EXPENDITURE OF PUBLIC SECTOR UNDERTAKINGS OF  
MINISTRY OF PETROLEUM & NATURAL GAS**

(Rs.Crore)				
Undertaking	2002-07	2007-08	2008-09	2009-10
	(Actual)	(Actual)	(Actual)	(BE)
1	2	3	4	5
<b>A. EXPLORATION &amp; PRODUCTION</b>	<b>82716.75</b>	<b>25051.06</b>	<b>42477.58</b>	<b>38731.98</b>
1. ONGC	48322.77	17651.04	21790.34	20867.58
2. OIL	4609.33	1210.33	1601.13	2276.31
3. GAIL (India) Ltd.	6067.86	1317.84	2716.24	5273.03
4. ONGC Videsh Ltd.	23716.79	4529.26	15664.67	9365.06
5. IOC	0.00	218.24	195.59	400.00
6. HPCL	0.00	36.96	79.57	100.00
7. BPCL	0.00	87.39	430.04	450.00
<b>B. REFINING &amp; MARKETING</b>	<b>25623.84</b>	<b>5188.33</b>	<b>9147.49</b>	<b>14285.79</b>
1. IOC	12242.04	2235.12	4743.49	6592
2. HPCL	4708.11	1656.82	1371.69	1270
3. BPCL	4820.20	732.22	1527.08	2898.7
4. CPCL	2312.90	159.80	422.96	714.09
5. KRL	42.48	*	*	*
6. BRPL	159.60	251.82	708.3	561.00
7. IBP Co. Ltd.	333.84	**	**	**
8. Numaligarh Refinery Ltd.	349.79	59.24	107.58	230.00
9. MRPL	654.88	93.31	266.39	2020.00
<b>C. PETROCHEMICALS</b>	<b>6665.54</b>	<b>2502.83</b>	<b>4818.51</b>	<b>4362.97</b>
1. BRPL	19.06	0.32	0.00	0.00
2. MRPL	31.48	0.00	15.00	28.00
3. IOC	6219.17	2436.08	4705.14	4008
4. CPCL	1.63	0.00	0.00	2.00
5. GAIL	394.20	31.33	70.09	284.97
6. HPCL	0.00	30.91	0.00	20.00
7. NRL	0.00	4.19	28.28	20.00
<b>D. ENGINEERING UNIT</b>	<b>34.17</b>	<b>17.22</b>	<b>19.65</b>	<b>95.00</b>
1. Balmer Lawrie & Co. Ltd.	34.17	17.22	19.65	90
2. Biecco Lawrie Limited	0.00	0.00	0.00	5.00
<b>Total (A+B+C+D)</b>	<b>115040.30</b>	<b>32759.44</b>	<b>56463.23</b>	<b>57475.74</b>

BE : Budget Estimates

\*: KRL is merged in BPCL

\*\* : IBP Co. Ltd. is merged in IOC

Source: Performance Budget, Ministry of Petroleum & Natural Gas.

**TABLE-40. PERFORMANCE OF THE PUBLIC SECTOR UNDERTAKINGS OF MINISTRY OF  
PETROLEUM & NATURAL GAS**

(Rs.Crore)									
Name of Undertaking	Paid-up Capital (PUC)  2008-09	Gross Turnover				Profit after tax			
		2005-06	2006-07	2007-08	2008-09*	2005-06	2006-07	2007-08	2008-09*
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
ONGC	2138.39	45621	53587	53004	65049	12647	15643	15326	16126
IOC	1213.97	179175	220779	236962	285337	1955	7500	6656	2950
GAIL(India) Ltd.	1268.48	16654	16546	20439	24292	1546	2387	1778	2804
HPCL	338.95	70146	96918	94821	116428	-1267	1571	473	575
BPCL	361.54	74701	108185	110108	145392	2634	1805	1327	736
IBP Co.	**	14300	15900	**	**	-167	268	**	**
OIL	214.00	5266	5388	5581	7241	1383	1640	1459	2162
BRPL	**	5388	6426	6036	**	223	185	294	**
EIL	56.16	850	571	820	1532	115	143	172	345
CPCL	149.00	25413	29349	28004	36550	481	565	747	-450
KRL	\$	15689	15784	\$	\$	420	402	\$	\$
NRL	735.63	3185	6850	7161	8853	224	569	481	236
MRPL	1761.82	24692	28301	26824	42719	587	526	328	1193
<b>Grand Total</b>	<b>8237.94</b>	<b>481080</b>	<b>604584</b>	<b>589760</b>	<b>733393</b>	<b>20781</b>	<b>33204</b>	<b>29041</b>	<b>27127</b>

\*\* : included in IOC

\$ : included in BPCL

\* : Provisional.

Source: Ministry of Petroleum & Natural Gas's Finance Division.

TABLE-41. EXISTING PETROLEUM PRODUCT, LPG & CRUDE PIPELINES IN THE COUNTRY

Oil Co.	Name of the Pipeline	Capacity* (MMTPA)	Length (KM)	Throughput ('000' Tonne)				
				2004-05	2005-06	2006-07	2007-08	2008-09 <sup>P</sup>
1	2	3	4	5	6	7	8	9
<b>Product Pipelines</b>								
IOC	Barauni - Patna - Kanpur	5.30	745	4115	4180	4050	3870	3580
IOC	Guwahati - Siliguri	0.82	435	1299	1260	1230	1310	1510
IOC	Haldia - Barauni	1.25	525	925	870	960	940	820
IOC	Haldia - Mourigram - Rajbandh	1.35	277	1909	1760	1900	1580	1290
IOC	Koyali - Ahmedabad	1.10	116	688	520	540	610	540
IOC	Mathura - Jallunder#	3.70	763	4138	4630	4990	5460	5560
IOC	Panipat - Bhatinda**	1.50	219			1290	1440	1510
IOC	Digboi - Tinsukia	1.00	75	550	520	470	440	460
IOC	Mathura - Tundla	1.20	56	277	250	250	240	280
IOC	Koyali - Navgam	1.80	78	269	230	70	140	40
IOC	Koyali - Viramgam - Sidhpur-Sanganer	4.10	1056	1696	2060	3010	3180	3240
IOC	Panipat - Rewari	1.50	155	254	910	1240	1380	1420
IOC	Chennai-Madurai	1.80	683	-	130	820	1370	1690
IOC	Koyali-Dahej	2.60	103	-	-	180	900	800
IOC	Chennai ATF <	0.18	95				0	30
IOC	DDPL(ATF PPL to Bangalore Int. Airport)>	0.66	36				0	60
IOC	IBP Narimanam- Nagapattinam (NNP)	0.37	7				0	190
HPCL	Mumbai - Pune	3.67	508	3050	2780	3240	3360	3370
HPCL	Vizag - Vijayawada - Secunderabad	5.38	572	3000	2880	3500	3850	3880
HPCL	Mundra-Delhi\$\$	3.84	1054				620	3390
BPCL	Mumbai - Manmad - Mangliya-Piyala-Bijwas	11.80	1389	3578	3792	3790	8010	10490
Petronet	Vadinar - Kandla\$	-	-	2097	1115	190	-	-
PCCK	Cochin-Coimbatore-Karur^ (PCCK)	3.30	293				1360	1560
Petronet	Kochi - Coimbatore	3.30	292	1320	1101	1220	1358	1570
Petronet	Mangalore - Hasan - Bangalore	2.14	361	1240	1012	1440	2141	2450
	<b>Subtotal</b>	<b>63.66</b>	<b>9893</b>	<b>30405</b>	<b>30000</b>	<b>34380</b>	<b>43559</b>	<b>49730</b>
<b>LPG Pipelines</b>								
IOC	Panipat- Jalandhar X	0.70	274					60
GAIL	Jamnagar - Loni	2.50	1250	2000	1910	2030	2232	2090
GAIL	Vizag - Vijayawada - Secunderabad	1.33	600	140	320	460	522	650
	<b>Subtotal</b>	<b>4.53</b>	<b>2124</b>	<b>2140</b>	<b>2230</b>	<b>2490</b>	<b>2754</b>	<b>2800</b>
<b>Crude Pipelines</b>								
OIL	Duliajan-Digboi-Bongaigaon-Barauni	7.68	1193	5920	5990	6000	6070	6220
IOC	Salaya-Mathura-Panipat(Inclgd Loop lines)	21.00	1870	18990	20300	21910	21680	22650
IOC	Haldia-Barauni/Paradip barauni	11.00	1302	6361	7040	7060	7240	8680
IOC	Mundra-panipat@	6.20	1194	-	-	3460	6940	6910
	<b>Subtotal</b>	<b>45.88</b>	<b>5559</b>	<b>31271</b>	<b>33330</b>	<b>38430</b>	<b>41930</b>	<b>44460</b>
	<b>Grand Total</b>	<b>114.07</b>	<b>17576</b>	<b>63816</b>	<b>65560</b>	<b>75300</b>	<b>88243</b>	<b>96990</b>

#: Includes Sonapat-Meerut & Kurukshetra-Roorkee-Nazibabad branch lines. p: provisional

\*: Operating capacity . >: Commissioned on 9.10.2008

#: Pipeline operation was suspended w.e.f. 4.05.2006, hence capacity has been taken proportionately in 2006-07.

X: Commissioned on 31.11.2008.

\*\*#: Panipat-Rewari pipeline, design capacity 1.5 MMTPA was commissioned on 30.09.2004.

@: Converted from product to crude pipeline. ^: CCKPL data upto April- February,2009.

\$\$: Mundra-Delhi pipeline became fully operational effective from Nov. 2007. The actual thrupt for this P/L is from Dec. 07 to March 08.

Out of design capacity of 5.0 MMTPA, 1.16 MMTPA is the common carrier capacity built in P/L for other users leaving balance capacity of 3.84 MMTPA for HPC own use. The thrupt of 0.62 MMTPA doesn't include the linefill quantity of 0.132 MMTPA.

Source: Petroleum Planning & Analysis Cell.

**TABLE-42. NUMBER OF PERSONS EMPLOYED IN PETROLEUM INDUSTRY**

<b>SECTOR</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
1. Exploration & Production	41415	39694	38948	33935	33612
2. Refining	26859	30262	28151	30128	32745
3. Marketing	40628	43317	42970	44995	42183
4. Pipelines	7318	7816	7510	8933	4598
5. Research & Development	2096	2071	2029	1964	2076
6. Others	15055	15151	15707	19868	23759
<b>Total</b>	<b>133371</b>	<b>138311</b>	<b>135315</b>	<b>139823</b>	<b>138973</b>

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

Source: Public Sector Undertakings.

**TABLE-43. DEALER COMMISSION FOR MS, HSD AND LPG**

1	(Rs./KI)									
	1-4-2004**		1-8-2005***		01.03.2007***		16.05.07		23.05.08	
	MS	HSD	MS	HSD	MS	HSD	MS	HSD	MS	HSD
	2	3	4	5	6	7	8	9	10	11
Dealer Commission	707	425	848	509	894	529	1024	600	1052	631

**LPG (Packed Domestic)**

1	(Rs./Cylinder)				
	10.11.2001	1.11.2002	1.10.2003	1.3.2007	4.6.2008
	2	3	4	5	6
14.2 Kg cylinder	15.55	16.33	16.71	19.05	20.54
5 Kg cylinder	-	8.40	8.60	9.81	10.58

\*\* : For dealers on DD an amount of Rs.58/KI for MS and Rs. 34/KI for HSD shall be paid additionally.  
For dealers on pay order/ bank cheque an amount of Rs. 29/KI for MS and Rs. 17/KI for HSD shall be paid additionally.

\*\*\*Licence fee recovery may be recovered for 'A' site @Rs.43/KI and Rs.36/KI

and for 'B' site @Rs.13/KI and Rs.11/KI for MS and HSD respectively.

Source: Petroleum Planning & Analysis Cell.

**TABLE-44. KEY DATA ON INDIAN RAILWAYS**

INDICATOR	UNIT/BASE	2004-05	2005-06	2006-07	2007-08	2008-09
1	2	3	4	5	6	7
Capital at Charge	Rs. Crore	60514	65878	76031	88521	103784 BE
(Incl. Investment from Capital Fund)						
Gross Revenue	"	47370	54491	62732	71720	81901 BE
Route Length	KM	63465	63332	63327	63273	NA
of which electrified	"	17495	17907	17786	18274	NA
Station	Number	7133	6974	6909	7025	NA
Locomotives	"	7916	8025	8153	8330	NA
Steam	"	44	44	43	44	NA
Diesel	"	4807	4793	4816	4843	NA
Electric	"	3065	3188	3294	3443	NA
Revenue-Earning Tra	MMT	602	667	728	794	833
POL Traffic	"	32.0	33.4	31.69	34.83	38.83

B.E.: Budget Estimate

Source : Economic Survey 2008-09, Ministry of Railways.

Table 45. Trends in overall FDI Inflows under Petroleum & Natural Gas Sector

Sl. No.	Year	FDI Inflow		% of FDI in P&NG to Total FDI	Annual Growth (%)	
		Total All Sector	P & NG Sector		P & NG Sector	All Sectors
1	2	3	4	5	6	7
<b>( Amount in Rs. Million)</b>						
1	2004-05	146530	5182	3.54		
2	2005-06	246130	636	0.26	-87.72	67.97
3	2006-07	706300	4015	0.57	531.00	186.96
4	2007-08	986640	57291	5.81	1326.88	39.69
5	2008-09 *	1229190	28088	2.29	-50.97	24.58
	<b>Total</b>	<b>3314790</b>	<b>95212</b>	<b>2.87</b>		
<b>(Amount in US \$ Million)</b>						
1	2004-05	3219	113	3.53		
2	2005-06	5546	14	0.26	-87.53	72.29
3	2006-07	15730	89	0.57	531.59	183.63
4	2007-08	24579	1427	5.80	1496.25	56.26
5	2008-09*	27309	588	2.15	-58.78	11.11
	<b>Total</b>	<b>76383</b>	<b>2232</b>	<b>2.92</b>		

\* = April - December 2008.

Source: FDI Cell, Department of Industrial Policy & Promotion

**Table 46. Country-wise FDI Inflows under Petroleum & Natural Gas Sector**

Sl. No.	Country	No. of FDIs	Items	Amount Inflow		% Share (Rs.) of Country to Total
				(Rs. in Million)	(Million US\$)	
1	2	3	4	5	6	7
1	Australia	2	Oil Refinery	0.10	0.00	0.00
2	Bahamas	1	Others (Fuels)	230.00	5.00	0.24
3	British Virginia	5	Oil Refinery, & Others (Fuels)	111.74	2.72	0.12
4	Cayman Island	3	Others (Fuels)	620.00	14.48	0.65
5	Cyprus	17	Oil Refinery, Oil Exploration & Others (Fuels)	3942.91	91.88	4.14
6	France	8	Oil Refinery & Others (Fuels)	1412.88	30.75	1.48
7	Germany	12	Oil Refinery, Others (Fuels) & Transportation (Oil Refinery)	166.58	3.87	0.17
8	Ireland	1	Others (Fuels)	45.94	1.09	0.05
9	Japan	4	Oil Refinery & Transportation (Oil Refinery)	107.43	2.42	0.11
10	Korea	5	Oil Refinery	52.85	1.19	0.06
11	Kuwait	2	Oil Refinery	4.82	0.11	0.01
12	Mauritius	21	Oil Refinery & Others (Fuels)	17488.84	360.55	18.37
13	Malaysia	3	Oil Refinery	18.58	0.42	0.02
14	Netherlands	11	Oil Refinery & Others (Fuels)	1845.75	40.45	1.94
15	New Zealand	1	Oil Refinery	1.84	0.04	0.00
16	Norway	1	Oil Refinery	4.80	0.11	0.01
17	Spain	1	Oil Refinery	6.70	0.15	0.01
18	Singapore	13	Oil Refinery & Transportation-Oil Refinery	52203.31	1288.72	54.83
19	South Africa	1	Transportation (Oil Refinery)	1.99	0.04	0.00
20	U.A.E.	4	Oil Refinery	67.82	1.56	0.07
21	U.K.	21	Oil Refinery, Oil Exploration & Others (Fuels)	4271.57	97.52	4.49
22	U.S.A.	26	Oil Refinery & Others (Fuels)	3566.91	82.57	3.75
23	Acquisition of Share	35	Oil Refinery, Transportation (Oil Refinery), Oil Exploration	8347.35	189.79	8.77
24	N R I	4	Oil Refinery	691.13	16.00	0.73
<b>TOTAL</b>		<b>202</b>		<b>95211.84</b>	<b>2231.43</b>	<b>100.00</b>

Source: FDI Cell, Department of Industrial Policy & Promotion

**TABLE- 47. MAIN CONVERSIONS USED IN PETROLEUM INDUSTRY**

<b>ITEM</b>	<b>CONVERSION FACTOR</b>	
<b><u>CRUDE OIL</u></b>	1 Metric Tonne	= 7.33 Barrels = 1.165 Cubic Metres (Kilolitres)
	1 Barrel	= 0.136 Tonnes = 0.159 Cubic Metres (Kilolitres)
	1 Cubic Metre	= 0.858 Tonnes = 6.289 Barrels
	1 Million Tonne	= 1.111 Billion Cubic Metres Natural Gas = 39.2 Billion Cubic Feet Natural Gas = 0.805 Million Tonnes LNG = 40.4 Trillion British Thermal Units
<b><u>NATURAL GAS</u></b>	1 Billion Cubic Metre	= 35.3 Billion Cubic Feet Natural Gas = 0.90 Million Tonnes Crude Oil = 0.73 Million Tonnes LNG = 36 Trillion British Thermal Units = 6.29 Million Barrels of Oil Equiv.
<b><u>LNG</u></b>	1 Million Tonne	= 1.38 Billion Cubic Metres Natural Gas = 48.7 Billion Cubic Feet Natural Gas = 1.23 Million Tonnes Crude Oil = 52 Trillion British thermal Units = 8.68 Million Barrels of Oil Equiv.
<b><u>CNG</u></b>	1 Kilogram	= 1.244 Standard Cubic Metres Natural Gas = 1.391 Litres of Petrol = 1.399 Litres of HSDO

Source: 1) BP Amoco Alive Statistical Review of World Energy  
2) OPEC Annual Statistical Bulletin

**TABLE-48. CONVERSION FACTORS FOR  
PETROLEUM PRODUCTS**

<b>Products</b>	<b>TOE/Tonne</b>	<b>Barrel/Tonne</b>
Refinery Gas	1.150	8.00
Ethane	1.130	16.85
LPG	1.130	11.60
Aviation Gasoline	1.070	8.90
Motor Gasoline	1.070	8.53
Jet Gasoline	1.070	7.93
Jet Kerosene	1.065	7.93
Other Kerosene	1.045	7.74
Naphtha	1.075	8.50
Gas/Diesel Oil	1.035	7.46
Heavy Fuel Oil	0.960	6.66
Petroleum Coke	0.740	5.50
White Spirit	0.960	7.00
Lubricants	0.960	7.09
Bitumen	0.960	6.08
Paraffin Waxes	0.960	7.00
Non specified products	0.960	7.00

TOE : Tonnes of Oil Equivalent

Source: International Energy Agency Statistics