



सत्यमेव जयते

Basic Statistics
on
Indian Petroleum & Natural Gas

2009-10

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, 2009-10**” is the fifteenth 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 2009-10 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 and Ms Rajeshwari Bahuguna, Assistant deserve due recognition for the efforts in preparing the Bulletin.

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HIGHLIGHTS IN THE PETROLEUM & NATURAL GAS SECTOR DURING 2009-10

- India has total reserves (proved & indicated) of 1201 million metric tonnes of crude oil and 1437 billion cubic metres of natural gas as on 1.4.2010. (Table-7)
- The total number of exploratory and development wells and metreage drilled in onshore and offshore areas during 2009-10 was 428 and 1019 thousand metres respectively. (Table-8)
- Crude oil production during 2009-10 at 33.69 million metric tonnes is 0.55% higher than 33.51 million metric tonnes produced during 2008-09. (Table-11)
- Gross Production of Natural Gas in the country at 47.51 billion cubic metres during 2009-10 is 44.63% higher than the production of 32.85 billion cubic metres during 2008-09. (Table-11)
- The production of Natural Gas at 44.94% and 0.08% of the total were highest and lowest in JVC/Private and West Bengal respectively during 2009-10. (Table-11)
- The flaring of Natural Gas in 2009-10 at 2.09% of gross production is lower than at 3.29% in 2008-09. (Table-12)
- The refining capacity in the country increased to 184.386 million tonnes per annum (MTPA) as on 1.4.2010 from 177.968 MTPA as on 1.4.2009. (Table-14)
- The total refinery crude throughput during 2009-10 at 160.03 million metric tonnes is 0.46% lower than 160.77 million metric tonnes crude processed in 2008-09 and the pro-rata capacity utilisation in 2009-10 was 89.92% as compared to 107.43% in 2008-09. (Table-14)
- The production of petroleum products during 2009-10 was 151.898 million metric tonnes (including 2.244 million metric tonnes of LPG production from natural gas) registering a decrease of 0.51% over last year's production at 152.678 million metric tonnes (including 2.162 million metric tonnes of LPG production from natural gas). (Table-15)
- The country exported 50.974 million metric tonnes of petroleum products against the imports of 23.49 million metric tonnes (including 8.828 million metric tonnes of LNG) during 2009-10. (Table-17)
- The consumption of petroleum products during 2009-10 were 138.196 million metric tonnes (including sales through private imports) which is 3.60% higher than the sales of 133.400 million metric tonnes during 2008-09. (Table-18)
- The total number of retail outlets of Public Sector Oil Marketing Companies as on 1.4.2010 has gone upto 36462 from 34948 on 1.4.2009. (Table-21)
- The total number of LPG consumers of Public Sector Oil Marketing Companies as on 1.4.2010 were 114.952 million against 105.632 million as on 1.4.2009. (Table-25)
- The number of persons employed (including contract employees) in petroleum industry as on 1.04.2010 and 1.04.2009 are 129988 & 138973 respectively. (Table-44)

Table -1. Indian Economy - Selected Indicators

Indicator	Unit/base	2005-06	2006-07	2007-08	2008-09	2009-10*
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	1106	1122	1138	1154	1170
3. Gross National Product at factor cost :						
(i) At current prices	Rs.Billion	33762	39121	45211	52075 Q	58355 R
(ii) At constant prices+	"	32242	35377	38764	41382 Q	44397 R
4. Net National Product at factor cost :						
(i) At current prices	Rs.Billion	30065	34872	40319	46323 Q	51884 R
(ii) At constant prices+	"	28722	31499	34500	36722 Q	39299 R
5. Per Capita Net National Product :						
(i) At current prices	Rupees	27183	31080	35430	40141 Q	44345 R
(ii) At constant prices+	"	25969	28074	30316	31821 Q	33588 R
6. Foreign Exchange Reserves :						
(i) Gold	Rs.Billion	256.74	295.73	401.24	487.93	811.88
(ii) SDR	Mn. of SDRs.	3.0	2.0	18.0	1.0	5006
(iii) Foreign currency Assets	Rs.Billion	6473.27	8365.97	11960.23	12300.66	11496.50
Foreign Exchange Rate!	Rs./US\$	44.27	42.25	40.26	45.99	
7. Foreign Trade :						
(i) Import	Rs.Billion	6604.09	8405.06	10123.12	13744.36	13564.7
(ii) Export	"	4564.18	5717.79	6558.64	8407.55	8451.25
(iii) Balance of Trade	"	-2039.91	-2687.27	-3564.48	-5336.81	-5113.44
8. Index of Production :						
(i) Agricultural		191.9	200.7	207.1	185.6	N.A.
(ii) Industrial	1993-94=100	221.5	247.1	268.00	275.4	304.1
9. Wholesale Price Index :	1993-94=100	195.6	206.2	215.8	233.7	242.9
10. Consumer Price Index:						
(i) Industrial Workers	1982=100	542	125	133	145	163
(ii) Agricultural Labourers	1986-87=100	358	392	423	451	513
(iii) Urban non-manual workers	1984-85=100	463	498	528	583 b1	663 b2
11 Energy Generation (Gross) :						
Coal	Mn.Tonne	407.04	425.04	450.5	492.95	549.00
Lignite	"	30.06	31.29	33.98	32.42	16.30 X
Natural Gas	Bn.Cub.Mtr.	32.202	31.747	32.417	32.849	47.51
Crude Oil	Mn.Tonne	32.19	33.988	34.118	33.506	33.691
Petroleum Products(Incl RBF)	"	131.08	148.27	158.74	164.59	163.505
12. Electricity Generated (Gross)						
(i) Utilities						
Hydel	B.KWH	101.5	113.5	120.4	114.1	N.A.
Thermal	"	506	538.4	585.3	617.8	N.A.
Nuclear	"	17.3	18.8	16.9	14.7	N.A.
Total	"	623.8	670.7	722.6	746.6	N.A.
(ii) Non-utilities	"	73.6	81.8	90.5	95.9	N.A.
Grand Total	"	697.4	752.5	813.1	842.5	
13. POL Traffic by Rail	MMT	33.45	35.23	35.88	38.08	NA

Notes: ** : Provisional. +: Base 1999-00 upto the year 2008-09. X: April-Nov. N.A.: Not Available
Q : Quick Estimates. b1: Linked all- India CPI (UNME) for April-2009. b2: Linked all- India CPI (UNME) for April-2010
R: Revised Estimates

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

Table-2. Growth of Indian Petroleum Industry at a Glance

Item	Unit	2005-06	2006-07	2007-08	2008-09	2009-10*
1	2	3	4	5	6	7
1. Reserves !						
(Balance Recoverable)						
(i) Crude Oil	Mn.Tonne	786	756	725	769	775
(ii) Natural Gas	Bn.Cub.Mtr.	1101	1075	1055	1050	1074
2. Consumption						
(i) Crude Oil	Mn.Tonne	130.11	146.55	156.1	160.77	160.03
(in terms of refinery crude throughput)						
(ii) Petroleum Products	"	113.21	120.75	128.95	133.40	138.20
(excl. RBF)						
3. Production :						
(i) Crude Oil	"	32.19	33.988	34.117	33.51	33.69
(ii) Petroleum Products	"	119.75	135.26	144.93	150.52	149.65
(iii) LPG from natural gas	"	2.19	2.09	2.06	2.16	2.24
4. Imports & Exports						
(i) Gross Imports :						
(a) Qty : Crude Oil	Mn.Tonne	99.41	111.5	121.67	132.78	159.26
LNG	"	5.06	6.81	8.32	8.06	8.83
Pol. Products	"	13.44	17.66	22.46	20.33	14.66
Total (a)	"	117.91	135.97	152.45	161.17	182.75
(b) Value:Crude Oil	Rs.Billion	1717.02	2190.29	2726.99	3482.88	3753.78
LNG	"	33.66	56.5	71.97	95.48	93.44
Pol.Products	"	279.72	411.6	610	642.69	337.53
Total (b)	"	2030.40	2658.39	3408.96	4221.05	4184.75
Pol. Imports as per DGC&S	"	1946.4	2585.72	3206.54	4199.68	4115.79
(ii) Exports :						
(a) Qty :						
Pol. Products	Mn.Tonne	23.46	33.62	40.78	38.57	50.97
(b) Value:						
Pol.Products	Rs.Billion	499.74	810.94	1107.89	1210.86	1440.37
(iii) Net Imports :						
(a) Qty : Crude Oil	Mn.Tonne	99.41	111.50	121.67	132.78	153.25
LNG	"	5.06	6.81	8.32	8.06	8.83
Pol. Products	"	-10.02	-15.96	-18.32	-18.24	-36.31
Total (a)	"	94.45	102.35	111.67	122.60	131.78
(b) Value:Crude Oil	Rs.Billion	1717.02	2190.29	2726.99	3482.88	3753.78
LNG	"	33.66	56.5	71.97	95.48	93.44
Pol.Products	"	-212.10	-399.34	-497.89	-568.17	-1102.84
Total (b)	"	1530.66	1847.45	2301.07	3010.19	2744.38
(iv) Unit Value of Crude oil imports(gross)						
	Rs./MT	17272	19644	22413	26230	24494
5. India's Total Exports	Rs.Billion	4564.18	5717.79	6558.64	8407.55	8451.25
6. Pol. imports as percentage of India's total exports						
(i) Gross Imports	%	44.5	46.5	52.0	50.2	49.5
(ii) Net Imports	%	33.5	32.3	35.1	35.8	32.5
7. Contribution of Oil Sector to Centre/State Resources						
(i) Royalty from crude oil	Rs.Billion	50.67	58.57	65.44	71.55	NA
(ii) Royalty from gas	"	8.637	10.75	14.87	16.24	NA
(iii)Oil Development Cess	"	51.96	71.77	71.56	68.86	65.59
(iv) Excise & Custom duties	"	631.43	718.93	783.73	705.57	717.67
(v) Sales Tax	"	459.34	539.49	564.45	633.49	649.99
(vii)Dividend	"	718.93	115.27	94.74	98.61	67.63
8. Natural Gas :						
(i) Gross Production	Bn.Cub.Mtr.	32.202	31.747	32.417	32.849	47.51
(ii) Utilisation	"	31.325	30.791	31.478	31.770	46.49

Notes: *: Provisional

! : As on 1st April of initial year.

N.A.: Not Available.

Source: Public Sector Undertakings / DGC&S, Kolkata / Ministry of Finance/Petroleum Planning & Analysis Cell.

Table-3. International Petroleum Statistics

Item	Unit	2005	2006	2007	2008	2009*
1	2	3	4	5	6	7
1. World Reserves :						
Oil & Gas at year end						
(i) Crude Oil	Bn. Tonne	165.0	164.5	168.6	170.8	181.7
of which OPEC	"	123.5	123.6	127.6	129.8	140
(ii) Natural Gas	Tr.Cu.ft.	6361	6405	6263	6534	6621
of which OPEC	"	3118	2961	3259	3295	3335
2. World Prod'n. of Oil & Gas						
(i) Crude Oil	Mn. Tonne	3898.6	3910	3901.4	3934.7	3820.5
of which OPEC	"	1666.7	1673.7	1654.4	1703.8	1574.7
(ii) Natural Gas Net	Bn.Cu.Mtr.	2779.5	2880.2	2954.7	3060.8	2987
of which OPEC	"	501	522.2	546.7	572.3	580.7
3. World Oil Refinery						
(i) Refinery capacity at year end	Mn. Tonne/Year	4266	4331	4378	4414	4512
(ii) Crude throughput	Mn. Tonne	3693	3718	3762	3744	3670
4. World Oil Consumption						
(i) World Total	Mn. Tonne	3877.8	3916.2	3969.5	3959.9	3882.1
(ii) Main consuming areas !	"	2257	2262	2711	2698	2612.3
(iii) Consumption in main areas as % of world	%	58.2	57.8	68.3	68.1	67.3
5. World Imports/Exports						
(i) Crude Oil	Mn.Tonne	1885	1933	1984	1970	1892.5
(ii) Pol. Products	"	576	658	717	728	714
Total	"	2461	2591	2701	2698	2606.5
6. Export of Crude Oil/ Pol. from OPEC						
(i) Crude Oil	"	1161	1173	1197	1190	1102
(ii) Pol. Products	"	224.6	229.1	220.1	219.5	204.5
Total	"	1385.6	1402.1	1417.1	1409.5	1306.5
7. World Primary Energy Consumption						
(i) Oil	Mn. Tonne Oil Eqv.	3861	3911	3939	3960	3882.1
(ii) Natural Gas	"	2512	2558	2652	2717	2653.1
(iii) Coal	"	2904	3039.1	3184	3286	3278.3
(iv) Hydro-Electric	"	658.5	684.3	696	731	740.3
(v) Nuclear Energy	"	626.8	634.9	622	620	610.5
Total	"	10562.3	10827.3	11094.2	11315.2	11164.3

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

Source : (i) BP Statistical Review of World Energy , June-2010 (ii) OPEC Annual Statistical Bulletin.

Table-5. Primary Commercial Energy Consumption in India

Source	Unit	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10*
1	2	3	4	5	6	7	8
1. Pol.Products (incl. RBF)	MMT	120.17	122.35	131.67	140.70	145.31	149.80
2. Natural Gas (net)	BCM	30.78	31.33	30.79	31.48	31.77	46.49
3. Coal	MMT	382.61	407.04	430.83	457.08	492.76	325.87 \$
4. Lignite	MMT	30.34	30.06	31.29	33.98	32.42	16.32 \$
5. Electricity (incl.Non-utilities)	Bn.KWH	665.80	697.40	752.50	813.10	842.80	NA

Notes: * : Provisional \$: April-November,2009 BCM: Billion Cubic Metres NA: not available

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

Table-6. Oil and Gas Reserves

AREA	2005	2006	2007	2008	2009	2010
1	2	3	4	5	6	7
CRUDE OIL (Million Metric Tonnes)						
Onshore	376	387	357	403	405	614
Offshore	410	369	368	366	369	587
Total	786	756	725	769	775	1201
NATURAL GAS (Billion Cubic Metres)						
Onshore	340	330	270	264	287	829
Offshore	761	745	785	786	787	608
Total	1101	1075	1055	1050	1074	1437

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

Source: ONGC, OIL and DGH.

Table-7. Exploratory and Development Drilling

Area	2005-06		2006-07		2007-08		2008-09		2009-10*	
	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	4	5	6	7	8	9	10	11	12	13
(a) EXPLORATORY										
Onshore	82	236	74	187	79	209	90	243	110	298
Offshore	32	106	22	76	27	84	32	97	34	128
Total (a)	114	342	96	263	106	293	122	340	144	426
(b) DEVELOPMENT										
Onshore	145	322	157	354	192	405	210	393	236	470
Offshore	42	137	44	125	61	174	49	155	48	123
Total (b)	187	459	201	479	253	579	259	548	284	593
Grand Total (a+b)	301	801	297	742	359	872	381	888	428	1019

Note: *: Provisional

Source: Public Sector Undertakings

Table-8. Number of Wells and Metreage Drilled

Area / State	2005-06		2006-07		2007-08		2008-09		2009-10*	
	Wells No.	Metre- age (000)	Wells No.	Metre- age (000)	Wells No.	Metre- age (000)	Wells (No.)	Metre- age (ooo)	Wells (No.)	Metre- age (ooo)
1	4	5	6	7	8	9	10	11	12	13
(a) ONSHORE										
Assam	58	225	48	190	67	227	80	206	63	259
Gujarat	124	215	128	223	156	255	167	296	199	335
Others	45	119	55	128	48	132	53	134	64	174
Total (a)	227	559	231	541	271	614	300	636	346	768
(b) OFFSHORE										
Bombay High	51	171	66	201	88	258	81	252	82	251
Others	23	71								
Total (b)	74	242	66	201	88	258	81	252	82	251
Grand Total (a+b)	301	801	297	742	359	872	381	888	428	1019

Source: Public Sector Undertakings.

Table-9. 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
A. Oil & Natural Gas Corporation Ltd.		28	131	218	377
a) Onshore					
Gujarat	Cambay	7	8	86	101
Assam	Upper Assam	5	1	30	36
	A&AA	0	4	2	6
Rajasthan	Jodhpur	0	7	0	7
Andhra Pradesh	K.G. Basin	1	38	11	50
Tamil Nadu	Cauvery	7	10	11	28
Tripura	A&AA	0	11	0	11
Nagaland	A&AA	1	0	2	3
b) Offshore					
East Coast	Cauvery Offshore	0	0	3	3
	KG Offshore(Shallow)	1	7	7	15
	KG Offshore(Deep)	0	11	2	13
	Mahanadi	0	3	0	3
	Andaman	0	1	0	1
West Coast	Cambay	0	0	2	2
	Mumbai Offshore	6	30	62	98
	Kutch	0	0	0	0
B. Oil India Ltd.		1	3	15	19
Assam	Upper Assam	0	0	14	14
Arunachal Pradesh	Upper Assam	0	0	1	1
Rajasthan	Jaisalmer	0	3	0	3
	Bikaner Nagaur	1	0	0	1
C. Private/JVCs		27	11	9	47
a) Onshore					
Gujarat	Cambay	18	4	5	27
Arunachal Pradesh	AAFB	1	0	0	1
Assam	Assam	1	0	0	1
Rajasthan		5	2	0	7
West Bengal	Ranigunj (South)	0	1	0	1
b) Offshore					
East Coast	Cauvery	1	1	0	2
	KG Basin	1	1	1	3
West Coast	Mumbai	0	1	1	2
	Cambay	0	1	2	3
Grand Total		56	145	242	443

Notes: A&AA : Assam & Assam Arakan.

* : As on 01.04.2010.

Source: ONGC, OIL and DGH.

Table-10. Production of Crude Oil and Natural Gas

Item	2005-06	2006-07	2007-08	2008-09	2009-10*
1	2	3	4	5	6
1. Crude Oil Production ++ ('000' Tonnes)					
(a) Onshore:					
Gujarat	6251	6212	6177	5944	5961
Assam/Nagaland	4474	4400	4357	4673.4	4740
Arunachal Pradesh	104	109	102	102.4	131
Tamil Nadu	385	353	298	265	238
Andhra Pradesh@	216	252	279	289	304
Rajasthan	-	-	-	-	447
Total (a)	11430	11326	11213	11274	11821
of which					
AOC	@				
OIL	3234	3107	3100	3468	3572
ONGC	8095	8058	7921	7563	7515
JVC/Private	101	161	192	243	734
(b) Offshore:					
ONGC	16309	17993	18020	17801	17341
JVC/Private	4451	4669	4885	4431	4529
Total (b)	20760	22662	22905	22232	21870
Grand Total (a+b)	32190	33988	34118	33506	33691
2. Natural Gas Production					
(Million Cubic Metres)					
(a) Onshore:					
Gujarat	3831	3294	2931	2605	2444
Assam/Nagaland	2408	2526	2598	2573	2704
Arunachal Pradesh	48	35	30	30	40
Tripura	480	520	534	553	562
Tamil Nadu	906	1130	1169	1242	1178
Andhra Pradesh	1663	1525	1567	1524	1479
Rajasthan	242	242	255	216	239
West Bengal\$(CBM)	-	-	15	20	38
Total (a)	9578	9272	9099	8763	8684
of which					
AOC	@				
OIL	2270	2265	2340	2268	2416
ONGC	5751	5876	5877	5753	5633
JVC/Private	1557	1131	882	742	635
(b) Offshore:					
ONGC (Mumbai High)	16823	16567	16457	16738	17476
JVC/Private	5801	5908	6861	7348	21350
Total (b)	22624	22475	23318	24086	38826
Grand Total (a+b)	32202	31747	32417	32849	47510

Notes: *: Provisional

++: Includes condensates

@: Includes Andhra Pradesh \$: Coal Bed Methane Production

Table-11.State-wise Gross & Net Production of Natural Gas in India

	(Million Cubic Metre)				
State / Utilisation	2005-06	2006-07	2007-08	2008-09	2009-10*
	1	2	3	4	6
A. ONSHORE					
Assam@					
Gross Production(GP)	2698	2803	2883	2819	2983
Re-injected	0	0	0	0	0
Flared	205	233	217	193.06	246
Net Production	2493	2570	2666	2626	2737
% Flared to GP	7.60	8.31	7.53	6.85	8.2
Gujarat					
Gross Production	3831	3294	2931	2605	2444
Re-injected	0	0	0	0	0
Flared	21	17	18	30.856	67.971
Net Production	3810	3277	2913	2574	2376
% Flared to GP	0.55	0.52	0.61	1.18	3
Tamil Nadu \$\$					
Gross Production	906	1130	1169	1242	1178
Re-injected	0	0	0	0	0
Flared	39	17	17	10	14.8
Net Production	867	1113	1152	1232	1163
% Flared to GP	4.30	1.50	1.45	0.81	1
Andhra Pradesh					
Gross Production	1663	1525	1567	1524	1479
Re-injected	0	0	0	0	0
Flared	8	9	10	7	1
Net Production	1655	1516	1557	1517	1478
% Flared to GP	0.48	0.59	0.64	0.46	0.06
Tripura					
Gross Production	480	520	534	553	562
Re-injected	0	0	0	0	0
Flared	0	0	0	0	0
Net Production	480	520	534	553	562
% Flared to GP	0.00	0.00	0.00	0.00	0.00
West Bengal (CBM) \$					
Gross Production	-	-	15.00	20.00	38
Re-injected	-	-	-	0.00	0
Flared	-	-	14.00	16.77	30
Net Production	-	-	1.00	3.232	8
% Flared to GP	-	-	93.33	83.84	78.95
B. OFFSHORE					
Mumbai High					
Gross Production	16823	16567	16457	16738	17476
Re-injected	0	0	0	0	0
Flared	472	556	578	695	574
Net Production	16351	16011	15879	16043	16902
% Flared to GP	2.81	3.36	3.51	4.15	3.29
Private/JVCs					
Gross Production	5801	5909	6861	7348	21350
Re-injected	0	0	0	0	0
Flared	132	124	84	126.5	89
Net Production	5669	5785	6777	7222	21261
% Flared to GP	2.28	2.10	1.22	1.72	0.42
Total (A&B)					
Gross Production	32202	31747	32417	32849	47510
Re-injected	0	0	0	0	0
Flared	877	956	938.00	1079.18	993
Net Production	31325	30791	31479	31770	46487
% Flared to GP	2.72	3.01	2.89	3.29	2.09

Notes: *: Provisional

@ : Including Arunachal Pradesh and Rajasthan

\$:Coal Bed Methane production

\$\$: Pondicherry is included.

Table-12. Industry-wise Offtakes of Natural Gas in India

(Million Cubic Metre)

INDUSTRY	2005-06	2006-07	2007-08	2008-09	2009-10*
1	2	3	4	5	6
(a) ENERGY PURPOSES:					
1. Power Generation	11878	11963	12037	12603	21365
2. Industrial Fuel	3780	3205	3324	5912	462
3. Tea Plantation	151	170	160	154	167
4. Domestic Fuel	75	443	39	102	27
5. Captive use/LPG Shrinkage	5048	5034	2160	1885	5433
6. Others\$	1120	40	1258	1535	4656
Total (a)	22052	20855	18978	22191	32111
(b) NON-ENERGY PURPOSES:					
1. Fertilizer Industry	7762	8497	9822	9082	13168
2. Petro-Chemicals	1175	1377	1432	1105	1264
3. CNG	0	0	0	0	0
4. Others**	36	639	638	354	703
Total (b)	8973	10513	11892	10541	15135
Grand Total (a+b)	31025	31368	30870	32732	47245
Percentage to Grand Total					
Energy Purposes	71.1	66.5	61.5	67.8	68.0
Non-Energy Purposes	28.9	33.5	38.5	32.2	32.0

Notes: \$: 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.

*: Provisional.

** : Sponge iron use.

Source: ONGC, OIL, DGH and GAIL.

Table-13. Installed Capacity and Refinery Crude Throughput

('000' Tonne)

Refinery / Location	Installed Capacity		Refinery Crude Throughput				
	as on		2005-06	2006-07	2007-08	2008-09	2009-10*
	1.4.2009	1.4.2010					
1	2	3	4	5	6	7	8
(a) PUBLIC SECTOR	105468	111886	96946	108172	112541	112223	112117
IOC, Guwahati, Assam	1000	1000	864	839	920	1076	1078
IOC, Barauni, Bihar	6000	6000	5553	5469	5634	5940	6184
IOC, Koyali, Gujarat	13700	13700	11543	12953	13714	13852	13206
IOC, Haldia, West Bengal	6000	7500	5502	5836	5715	6042	5686
IOC, Mathura, Uttar Pradesh	8000	8000	7938	8883	8033	8601	8107
IOC, Digboi, Assam	650	650	615	586	564	623	600
IOC, Panipat, Haryana	12000	12000	6507	9435	12821	13070	13615
Total IOC	47350	48850	38522	44001	47401	49204	48476
BPCL, Mumbai, Maharashtra	12000	12000	10298	12030	12746	12262	12516
HPCL, Mumbai, Maharashtra	5500	5500	6249	7419	7409	6652	6965
HPCL, Visakh, Andhra Pradesh	7500	8300	7980	9377	9409	9155	8796
Total HPCL	13000	13800	14229	16796	16818	15807	15761
KRL, Kochi, Kerala	7500	9500	6939	7742	8134	7739	7875
CPCL, Manali, Tamil Nadu	9500	9500	9680	9784	9802	9718	9580
CPCL, Narimanam, Tamil Nadu	1000	1000	682	618	464	418	517
Total CPCL	10500	10500	10362	10402	10266	10136	10097
BRPL, Bongaigaon, Assam	2350	2350	2356	2067	2020	2163	2220
NRL, Numaligarh, Assam	3000	3000	2133	2504	2568	2251	2619
ONGC, Tatipaka, Andhra Pradesh	78	66	93	94	63	84	55
MRPL, Mangalore, Karnataka	9690	11820	12014	12536	12525	12577	12498
(b) PRIVATE SECTOR	72500	72500	33163	38379	43562	48549	47916
RPL, Jamnagar, Gujarat	33000	33000	33163	36616	36931	35636	34415
RPL(SEZ), Jamnagar, Gujarat\$	29000	29000	-	-	-	-	-
ESSAR Oil Ltd. Vadinar**	10500	10500	-	1763	6631	12913	13501
Total (a+b)	177968	184386	130109	146551	156103	160772	160033

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

\$: 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.

Source: Public Sector Undertakings / Private Company.

Table-14. Existing Petroleum Product, LPG & Crude Pipelines in the Country

Oil Co.	Name of the Pipeline	Capacity*	Length	Throughput ('000' Tonne)				
		(MMTPA)	(KM)	2005-06	2006-07	2007-08	2008-09	2009-10 ^p
		1.04.2010	1.04.2010	5	6	7	8	9
1	2	3	4	5	6	7	8	9
Product Pipelines								
IOC	Barauni - Patna - Kanpur(incl Gawaria-Lucknow branchline)	5.30	745	4180	4050	3870	3580	4000
IOC	Guwahati - Siliguri	1.40	435	1260	1230	1310	1510	1800
IOC	Haldia - Barauni	1.30	525	870	960	940	820	#
IOC	Haldia - Mourigram - Rajbandh	1.40	277	1760	1900	1580	1290	2500
IOC	Koyali - Ahmedabad	1.10	116	520	540	610	540	500
IOC	Koyali -Ratlam	2.00	265					100
IOC	Panipat - Ambala-Jalandhar(incl K'kshetra -Roorkee-Najibabad branchline)	3.5{	434					2600
IOC	Panipat - Delhi(Sonipat-Meerut branchline)		182					700
IOC	Mathura - Delhi	3.70	147					2500
IOC	Panipat - Bhatinda	1.50	219		1290	1440	1510	1500
IOC	Mathura - Tundla	1.20	56	250	250	240	280	300
IOC	Koyali - Viramgam - Sidhpur-Sanganer	4.10	1056	2060	3010	3180	3240	3000
IOC	Panipat - Rewari	1.50	155	910	1240	1380	1420	1500
IOC	Chennai-Trichi-Madurai	1.80	683	130	820	1370	1690	1900
IOC	Koyali-Dahej	2.60	103	-	180	900	800	1000
IOC	Chennai ATF	0.20	95			0	30	200
IOC	Chennai -Bangalore	1.50	290					0
HPCL	Mumbai - Pune	3.70	508	2780	3240	3360	3370	3400
HPCL	Vizag - Vijayawada - Secunderabad	5.40	572	2880	3500	3850	3880	3800
HPCL	Mundra-Delhi	3.80	1054			620	3390	4800
BPCL	Mumbai - Manmad - Mangliya-Piyala-Bijwasan	11.80	1389	3792	3790	8010	10490	11200
OIL	Numaligarh-Siliguri	1.70	654.30					800
PCCK	Cochin-Coimbatore-Karur(PCCK)	3.30	292.5			1360	1560	1500
PMHB	Mangalore - Hasan - Bangalore	2.10	363	1012	1440	2141	2450	2500
	Subtotal	65.90	10615.8	22404	27440	36161	41850	52100
LPG Pipelines								
IOC	Panipat- Jalandhar	0.70	274				600	400
GAIL	Jamnagar - Loni	2.50	1355	1910	2030	2232	2090	2400
GAIL	Vizag - Vijayawada - Secunderabad	0.70	623	320	460	522	650	700
	Subtotal	3.90	2252	2230	2490	2754	3340	3500
Crude Pipelines								
OIL	Duliajan-Digboi-Bongaigaon-Barauni	8.40	1193	5990	6000	6070	6220	6200
IOC	Salaya-Mathura-Panipat(Incldg Loop lines)	21.00	1870	20300	21910	21680	22650	22400
IOC	Haldia-Barauni/Paradip barauni	11.00	1302	7040	7060	7240	8680	11600
IOC	Mundra-panipat	8.40	1194	-	3460	6940	6910	7400
ONGC	Mumbai High-Uran-Trunk Pipeline	15.63	204					8600
ONGC	Heera-Uran-Trunk Pipeline	11.50	81					5530
ONGC	Kalol-Nawagam-Koyali	8.54	129.31					5170
ONGC	MHN-NGM Trunk Line	2.26	77					2180
ONGC	CTF, Ank to Koyali Oil Pipeline (AKCL)	2.00	94.8					2090
ONGC	Lakwa-Moran Oil Line	1.50	18					430
ONGC	Geleki-Jorhat Oil Line	1.50	48.47					650
ONGC	NRM to CPCL	0.74	6					240
ONGC	KSP-WGGS to TPK Refinery	0.08	13.5					30
ONGC	GMAA EPT to S. Yanam Unloading Terminal	0.09	4					120
	Subtotal	92.64	6235.08	33330	38430	41930	44460	72640
	Grand Total	162.44	19103	57964	68360	80845	89650	128240

Notes: p: provisional

#: Included in Haldia - Mourigram - Rajbandh

Source: Petroleum Planning & Analysis Cell.

Table-15. Production of Petroleum Products

	('000' Tonne)				
PRODUCTS	2005-06	2006-07	2007-08	2008-09	2009-10*
	1	2	3	4	5
<u>(a) From Crude Oil</u>					
1. Light Distillates	32427	38104	40111	40222	40379
of which					
LPG	5525	6315	6732	6996	6515
Mogas	10502	12539	14167	16020	15969
Naphtha	14509	16660	16440	14826	14812
OthersLD	1891	2590	2772	2380	3083
2. Middle Distillates	64432	71225	76649	80309	79355
of which					
Kerosene	9078	8491	7794	8223	8545
ATF/RTF/Jet A-1	6196	7805	9107	8071	8075
HSD	47572	53465	58361	62889	61170
LDO	923	803	671	606	466
OthersMD	663	661	716	520	1099
3. Heavy Ends	22891	25931	28170	29985	29920
of which					
Furnace Oil	10320	12325	12638	14749	15038
LSHS/HHS/RFO	3985	3372	3166	2935	2497
Lube Oils	677	825	881	874	950
Bitumen	3576	3891	4507	4713	4889
Petroleum Coke	3182	3779	4129	4241	3709
Paraffin Wax	63	63	64	69	64
Others Waxes	3	5	7	5	3
OthersHE	1085	1671	2778	2399	2770
Total (1+2+3)	119750	135260	144930	150516	149654
<u>(b) From Natural Gas</u>					
LPG	2185	2093	2060	2162	2244

Note: *: Provisional

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

Middle Distillate: 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.

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

Table -16. Oil and Oil Equivalent Gas Produced Abroad

Sl. No.	Name of Project	2007-2008		2008-2009		2009-2010		Total Target	Total Actual
		Target	Actual	Target	Actual	Target	Actual		
1	2	3	4	5	6	7	8	9	10
Oil Production(MMT)									
1	GNOP, Sudan	2.938	2.981	3.000	2.443	1.944	2.126	7.882	7.550
2	MECL, Colombia	0.145	0.351	0.340	0.370	0.443	0.409	0.928	1.130
3	Sancristobal, Venezuela				0.671	0.498	0.704	0.498	1.375
4	IEC, Russia'				0.076	0.525	0.543	0.525	0.619
5	Sakhalin I, Russia	1.950	2.234	1.490	1.853	1.439	1.532	4.879	5.619
6	Block 5A, Sudan	0.426	0.294	0.270	0.285	0.204	0.247	0.900	0.826
7	Vietnam 06.1	0.082	0.029	0.024	0.046	0.044	0.042	0.150	0.117
8	AFPC, Syria	0.799	0.951	0.640	0.812	0.600	0.694	2.039	2.457
9	BC-10, Brazil					0.103	0.192	0.103	0.192
TOTAL-OIL		6.340	6.840	5.764	6.556	5.800	6.489	17.904	19.885
Gas Production(BCM)									
I	Sakhalin I, Russia	0.274	0.345	0.379	0.372	0.327	0.390	0.980	1.107
II	Vietnam 06.1	1.374	1.617	1.639	1.848	1.753	1.967	4.766	5.432
III	AFPC, Syria	0.000	0.000	0.033	0.000	0.020	0.024	0.053	0.024
TOTAL-GAS		1.648	1.962	2.051	2.220	2.100	2.381	5.799	6.563
Total (MMT-OEG)		7.988	8.802	7.815	8.776	7.900	8.870	23.703	26.448

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

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

Source: Oil & Natural Gas Corportaion Videsh Limited.

Table-17. Imports / Exports of Crude Oil and Petroleum Products

(Qty : '000' Tonne, Value : Rs.Crore)

ITEM	2005-06		2006-07		2007-08		2008-09		2009-10*	
	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value
1	2	3	4	5	6	7	8	9	10	11
GROSS IMPORTS										
A. Crude Oil	99409	171702	111502	219029	121672	272699	132775	348288	159259	375378
B .LNG	5060	3366	6810	5650	8320	7197	8060	9548	8828	9344
C. Petroleum Products										
I.Light Distillates	6181	14855	8005	21369	9485	29221	8001	27617	4886	15525
1. LPG	2883	7042	2278	5766	2832	8700	2360	7916	2718	8329
2. MS	486	1286	421	1326	328	1137	397	1530	385	1264
3. Naphtha	2331	5400	5306	14277	5983	18470	5023	17410	1734	4942
4. Propane/MTBE	481	1127	0	0	342	914	221	761	49	989
II.Middle Distillates	1846	4532	2392	6938	5443	17556	4215	16318	3519	9325
1.ATF	2	12	2	17	3	20	4	34	3	27
2.SKO	1044	2617	1423	4250	2489	8324	1423	6480	985	2909
3.HSD	800	1903	967	2671	2951	9212	2788	9804	2531	6390
3.Others	0	0								
III.Heavy Ends	5413	8585	7263	12853	7533	14223	8111	20334	6258	8903
1.FO / LSHS	1434	2099	2983	5174	1187	2211	1637	3465	762	1626
2.Lubes / OthersHEI	3979	6486	4280	7679	6346	12012	6474	16869	5496	7278
Total(C)	13440	27972	17660	41160	22461	61000	20327	64269	14662	33753
Grand Total(A+B+C)	117909	203040	135972	265839	152453	340896	161162	422105	182749	418475
EXPORTS										
Petroleum Products										
I.Light Distillates	7769	17384	12344	32581	13937	42220	13141	43094	19804	61508
1.LPG	53	164	112	342	99	401	109	455	131	491
2.MS	2417	5843	3615	10191	4258	13614	5427	17767	9762	31170
3.Naphtha	5066	10787	8411	21431	9297	27365	7601	24854	9911	29848
4.TAME	0	0	0	0	0	0	0	0	0	0
5.Reformate	233	590	206	617	283	841	4	18	0	0
II.Middle Distillates	11453	26102	15171	39993	18931	54919	18469	63428	23094	64405
1.SKO	121	371	150	541	137	492	3701	13498	46	154
2.HSD/LDO	8504	18654	11369	29198	14308	40871	77	362	18460	50920
3.ATF	2828	7077	3652	10254	4486	13556	14691	49568	4588	13331
III.Heavy Ends	4239	6488	6109	8520	7911	13650	6962	14564	8076	18123
1.FO/LSHS	1815	2268	3759	4988	4718	6811	6118	12132	5173	10501
2.VGO/Lubes	993	1577	859	1826	1498	3236	219	829	111.2	321
3.Coke/Bitumen/ White Oil/Paraffin	339	302	66	77	409	614	177	391	324.3	619
4. Others	1092	2341	1425	1629	1286	2989	448	1212	2467	6683
Total	23461	49974	33624	81094	40779	110789	38572	121086	50974	144037
NET IMPORTS										
A. Crude Oil	99409	171702	111502	219029	121672	272699	132775	348288	159259	375378
B. LNG	5060	3366	6810	5650	8320	7197	8060	9548	8828	9344
C. Pol.Products	-10021	-22002	-15964	-39934	-18318	-49790	-18245	-56817	-36312	-110284
Grand Total	94448	153066	102348	184745	111674	230106	122590	301019	131775	274439

Notes:

TAME: Tertiary Amyl Methyl Ether.

*: Provisional.

Heavy Ends others : Includes Bitumen, Lube Oil Base Stock, Low Sulphur Waxy Residue, Carbon Black Feed Stock, Rubber processing oil & Paraffin Wax.

Source: Petroleum Planning & Analysis Cell, New Delhi.

Table-18. Consumption of Petroleum Products

(000' Tonne)					
Products	2005-06	2006-07	2007-08	2008-09	2009-10*
1	2	3	4	5	6
1 Light Distillates	33660	37076	38556	39908	39086
of which					
LPG	10456	10849	12165	12193	13121
Mogas	8647	9286	10332	11257	12818
Naphtha	12194	13886	13294	13875	10239
NGL	0	0	0	0	0
Others	2363	3055	2766	2583	2908
2 Middle Distillates	54423	57595	62823	66364	71198
of which					
SKO	9541	9505	9365	9303	9304
ATF	3296	3983	4543	4455	4627
HSDO	40191	42896	47669	51668	56320
LDO	883	720	667	552	457
Others	512	491	579	386	490
3 Heavy Ends	25129	26078	27567	27128	27911
of which					
Furnace Oil @	8921	9257	9469	9267	9105
LSHS/HHS	3904	3361	3248	3170	2484
Lubes/Greases	2081	1900	2290	2149	2657
Bitumen	3508	3832	4506	4705	4919
Petroleum Coke	4928	5440	5950	5870	6750
Paraffin Wax	268	303	241	199	211
Other Waxes	105	65	65	3	78
Others	1414	1920	1799	1765	1707
TOTAL	113212	120749	128946	133400	138196
Refinery Fuel	9141	10920	11751	11912	11607
Grand Total	122353	131669	140697	145312	149803

Notes: Consumption includes sales by all companies & direct private imports.

@ : LSHS sales by pvt. parties included in FO. Break-up to these two products is not available. *: Provisional.

Source: Petroleum Planning & Analysis cell, New Delhi

Table-19. 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
1	2	3	4	5	6	7	8
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.
Light Distillates	5.6	-2.7	7.2	8.3	7.5	15.3	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.
Middle Distillates	6.7	7.6	6.6	7.7	7.4	1.0	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.
Heavy Ends	1.5	7.3	2.0	4.0	4.6	4.4	N.A.
Total Sales	4.8	5.8	5.4	6.9	6.8	4.9	3.8

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

N.A. : Not Available.

Source: Petroleum Planning & Analysis Cell

Table-20. Marketing of Petroleum Products by Oil companies

Item	Unit	2005-06	2006-07	2007-08	2008-09*	2009-10*
1	2	3	4	5	6	7
1.Total Sales (excl. RBF)	Mn. Tonne	113.21	120.75	128.95	133.4	138.2
2. Percentage Share						
IOC/AOD	%	40.8	44.20	44.95	46.0	46
BPCL	%	18.1	18.80	19.28	19.7	19.5
HPCL	%	16.2	16.30	17.11	17.8	17.5
Others (PSUs)	%	5.9	1.80	1.76	1.6	1.4
Private Parties	%	19.0	18.90	16.91	14.9	15.5
Total	%	100.0	100.0	100.0	100.0	100.0

Note: *: Provisional RBF : Refinery Boiler Fuel

Source: Petroleum Planning & Analysis Cell

Table-21. International prices of crude oil and major petroleum Products

(US \$/bbl & LPG US\$/MT)

		Petrol	Diesel	Kerosene	LPG
Period	Crude Oil (Indian Basket) .				
1	2	3	4	5	6
2002-03	26.65	30.04	28.86	29.24	279.67
2003-04	27.97	35.01	30.39	31.11	277.02
2004-05	39.21	48.97	46.91	49.51	368.57
2005-06	55.72	64.51	64.7	69.43	481.04
2006-07	62.46	72.62	74.12	77.03	499.67
2007-08	79.25	90.76	92.91	94.33	683.49
2008-09	83.57	89.42	101.75	104.37	688.00
2009-10	69.76	76.23	74.67	75.35	582.69

- Notes: • Composition of Indian Basket of Crude represents average of Oman & Dubai for sour grades and Brent (Dated) for sweet grade in the ratio of 64 : 37 for 2009-10; 62 : 38 for 2008-09; 61 : 39 for 2007-08; 60 : 40 for 2006-07; 58 : 42 for the year 2005-06 and 57 : 43 for the prior periods.
- Price of kerosene & Diesel (0.5% sulphur) is for Arab Gulf Market.
 - LPG Price is Saudi Aramco CP based on 60:40 butane / propane ratio.
 - Price of Petrol is 92 RON unleaded for Singapore market.

Source: International Trade Department, IOCL

Table-22. State-wise and Company-wise Retail Outlets

State / UT	As on 1.4.2010				(Number)
	IOCL/ AOD	HPCL	BPCL	TOTAL (Col.2-4)	Total as on 1.4.2009
1	2	3	4	5	6
STATES					
Andhra Pradesh	1439	881	749	3069	2913
Arunachal Pradesh	47	0	1	48	47
Assam	463	61	25	549	530
Bihar	960	260	329	1549	1469
Chhattisgarh	232	156	158	546	510
Delhi	202	97	108	407	401
Goa	22	33	41	96	91
Gujarat	941	442	454	1837	1774
Haryana	947	390	269	1606	1515
Himachal Pradesh	173	77	52	302	282
Jammu & Kashmir	184	106	96	386	375
Jharkhand	355	184	163	702	661
Karnataka	1203	625	554	2382	2246
Kerala	761	507	400	1668	1629
Madhya Pradesh	835	413	508	1756	1636
Maharashtra	1289	938	1077	3304	3166
Manipur	55	0	2	57	56
Meghalaya	104	18	7	129	121
Mizoram	21	3	0	24	22
Nagaland	42	2	3	47	47
Orissa	522	190	257	969	937
Punjab	1466	683	559	2708	2641
Rajasthan	1154	697	565	2416	2333
Sikkim	13	3	12	28	29
Tamil Nadu	1481	807	830	3118	2961
Tripura	42	0	0	42	41
Uttar Pradesh	2453	1000	942	4395	4239
Uttaranchal	200	104	78	382	363
West Bengal	925	393	419	1737	1728
UNION TERRITORIES					
Andaman & Nicobar	9	0	0	9	7
Chandigarh	19	11	10	40	43
Dadra & Nagar Haveli	8	4	1	13	12
Daman & Diu	10	6	3	19	18
Lakshadweep	0	0	0	0	0
Pondicherry	66	36	20	122	105
Grand Total	18643	9127	8692	36462	34948

Source: Public Sector Undertakings

Table-23. State-wise and Company-wise SKO/LDO Dealerships

State / UT	As on 1.4.2010				(Number)
	IOCL/ AOD	HPCL	BPCL	TOTAL (Col.2-4)	Total as on 1.4.2009
	1	2	3	4	5
STATES					
Andhra Pradesh	282	244	77	603	603
Arunachal Pradesh	33	0	0	33	33
Assam	361	0	0	361	361
Bihar	286	37	51	374	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	243
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	469
UNION TERRITORIES					
Andaman & Nicobar	1	0	0	1	1
Chandigarh	7	3	2	12	12
Dadra & Nagar Haveli	1	0	1	2	2
Daman & Diu	3	0	2	5	5
Lakshadweep	0	0	0	0	0
Pondicherry	3	5	0	8	8
Grand Total	3963	1638	1014	6615	6614

Source: Public Sector Undertakings

Table-24. State-wise and Company-wise LPG Distributors

State / UT	As on 1.4.2010				(Number)
	IOCL/ AOD	HPCL	BPCL	TOTAL (Col.2-4)	Total as on 1.4.2009
1	2	3	4	5	6
STATES					
Andhra Pradesh	402	339	212	953	880
Arunachal Pradesh	30	0	0	30	30
Assam	229	10	18	257	251
Bihar	194	66	77	337	310
Chhattisgarh	81	47	26	154	152
Delhi	193	47	74	314	314
Goa	8	28	17	53	53
Gujarat	316	123	114	553	545
Haryana	146	62	83	291	280
Himachal Pradesh	97	17	12	126	121
Jammu & Kashmir	76	63	17	156	151
Jharkhand	91	28	28	147	142
Karnataka	212	170	111	493	484
Kerala	206	75	107	388	373
Madhya Pradesh	295	149	128	572	564
Maharashtra	242	418	368	1028	1000
Manipur	35	0	0	35	31
Meghalaya	32	0	0	32	32
Mizoram	27	0	0	27	25
Nagaland	29	0	0	29	27
Orissa	79	78	38	195	189
Punjab	255	80	103	438	425
Rajasthan	208	126	118	452	430
Sikkim	8	0	0	8	8
Tamil Nadu	401	132	163	696	656
Tripura	30	0	0	30	29
Uttar Pradesh	716	197	272	1185	1166
Uttaranchal	133	19	19	171	169
West Bengal	292	116	74	482	475
					0
UNION TERRITORIES					
					0
Andaman & Nicobar	4	0	0	4	4
Chandigarh	19	5	4	28	28
Dadra & Nagar Haveli	0	2	0	2	1
Daman & Diu	0	2	0	2	2
Lakshadweep	1	0	0	1	1
Pondicherry	8	5	4	17	18
					0
Grand Total	5095	2404	2187	9686	9366

Source: Public Sector Undertakings.

Table-25. State-wise and Company-wise LPG Domestic Consumers

('000' Number)

State / UT	As on 1.4.2010				Total as on 1.4.2009
	IOCL/ AOD	HPCL	BPCL	TOTAL (Col.2-4)	
1	2	3	4	5	6
STATES					
Andhra Pradesh	4757	5396	2583	12736	11456
Arunachal Pradesh	146	0	0	146	129
Assam	2072	33	79	2184	1994
Bihar	1988	478	452	2918	2574
Chhattisgarh	624	384	184	1192	1113
Delhi	2828	630	971	4429	4252
Goa	11	269	156	436	426
Gujarat	3240	1258	1378	5876	5650
Haryana	1775	724	1146	3645	3425
Himachal Pradesh	1128	159	83	1370	1309
Jammu & Kashmir	431	924	142	1497	1427
Jharkhand	893	220	143	1256	1173
Karnataka	2959	2216	1616	6791	6051
Kerala	3442	960	1815	6218	5688
Madhya Pradesh	2414	1330	960	4704	4360
Maharashtra	1758	6288	6606	14652	13891
Manipur	240	0	0	240	221
Meghalaya	117	0	0	117	113
Mizoram	213	0	0	213	192
Nagaland	155	0	0	155	144
Orissa	634	698	316	1648	1535
Punjab	3127	1005	1189	5321	5021
Rajasthan	2167	1315	1383	4865	4405
Sikkim	130	0	0	130	120
Tamil Nadu	7203	1582	2951	11736	10613
Tripura	260	0	0	260	261
Uttar Pradesh	7115	1704	3006	11826	10324
Uttaranchal	1366	103	203	1673	1555
West Bengal	3797	1289	819	5905	5453
UNION TERRITORIES					
Andaman & Nicobar	68	0	0	68	66
Chandigarh	227	78	47	352	337
Dadra & Nagar Haveli	0	44	0	44	39
Daman & Diu	0	31	17	49	45
Lakshadweep	3	0	0	3	3
Pondicherry	132	99	65	297	267
GRAND TOTAL	57420	29218	28313	114952	105632

Table -26: Compressed Natural Gas (CNG) Activities in India

(As on 1.4.2010)

Item	Delhi		Maharashtra			Gujarat			Uttar Pradesh					Andhra Pradesh			Tripura	Madhya Pradesh			Total	Grand	
	Delhi	#	Pune	Panvel	Vado-dara	Surat	Ankleshwar	Noida/ Greater Noida/	Ghazi-abad	Lucknow	Agra	Kanpur	Bareilly	Vijaywada	Hyderabad	Rajamundry	Agartala	Indore	Ujjain	Dewas		Total	
	IGL	MGL	MNGL	Gas	GAIL	GGCL	GGCL	IGL	IGL	GGL	GGL	CUGL	CUGL	da	GAIL	bad	GAIL	dery	GAIL	GAIL	GAIL	GAIL	GAIL
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22(5-17)	23	
Station Type																							
Mother	77	10	3	0	2	3	1	6	-	2	1	1	1	1	0	0	0	1	0	1	20	110	
Online	55	120	0	0	0	22	3	1	-	1	0	7	0	0	0	0	1	0	0	0	35	210	
Daughter Boost	43	14	10	0	2	3	1	3	2	3	2	0	0	5	4	1	0	0	0	0	26	93	
Daughter	1	0	0	1	0	0	0	0	-	0	0	0	0	0	0	0	0	4	1	0	6	7	
Total	176	144	13	1	4	28	5	10	2	6	3	8	1	6	4	1	1	5	1	1	87	420	
No. of Vehicles																							
Cars / Taxis	217259	59739	473	0	774	51989	6090	-	-	482	170	513	\$	774	\$\$	\$\$	85	1175	\$\$\$	2	62054	339525	
Autos	107299	137003	6510	0	3412	45512	8213	-	-	6672	6037	10440	\$	4700	\$\$	\$\$	1405	7830	\$\$\$	12	94233	345045	
LCV/RTVs	5888	1942	0	0	0	0	0	-	-	0	0	0	\$	0	\$\$	\$\$	0	0	\$\$\$	7	7	7837	
Buses	13900	2901	85	0	181	551	62	-	-	549	444	667	\$	125	\$\$	\$\$	0	40	\$\$\$	0	2619	19505	
Others/Phatpha	522	1102	0	0	0	2622	146	-	-	77	0	105	\$	27	\$\$	\$\$	0	0	\$\$\$	0	2977	4601	
Total	344868	202687	7068	0	4367	100674	14511	-	-	7780	6651	11725	\$	5626	\$\$	\$\$	1490	9045	\$\$\$	21	161890	716513	
Price (Rs./Kg)	21.70	24.65 #	28	34.9	27.33	29.96	29.96	23.50	25.50	31.00	35.00	30.50	30.50	25.00	35.00	27.00	22.15	32.00	33.00	32.00			
Average Consumption																							
TPD	1484.00	944.00	19.00	0.08	27.00	175.36	28.29	62.90		46.00	24.00	51.00	\$	7.00	15.00	0.01	4.00	13.00	\$\$\$	1.00			
MMSCMD	2.00	1.32	0.030		0.04	0.25	0.04	0.08		0.07	0.03	0.08	\$	0.01	0.02	0.00	0.01	0.02	\$\$\$				

Notes: #: Mumbai. MMSCMD: Million Standard Cubic Metres Per Day \$: Included in Kanpur \$\$: Included in Vijaywada \$\$\$: Included in Indore

TPD : Tonnes per day

Conversion factors:

- 1. IGL : Indraprastha Gas Ltd. 1 Kg = 1.313 SCM of gas
- 2. MGL : Mahanagar Gas Ltd. 1 Kg = 1.44SCM of gas
- 3. GGCL : Gujarat Gas Company Ltd. 1 Kg = 1.45SCM of gas

Source: Gas Authority of India Limited

Table-27. Growth in LPG Marketing in India

Item	Unit	2005-06	2006-07	2007-08	2008-09	2009-10*
1	2	3	4	5	6	7
Consumption (PSU/Pvt.)	(TMT)	10456	10849	12165	12345	13121
LPG Customers (PSUs) @	(Lac)	886	949	1018	1056	1150
LPG Distributors (PSUs) @	(No.)	9270	9365	9365	9366	9686
LPG Markets (PSUs) @	(No.)	4288	4359	4393	4420	4599
Enrolment	(Lac)	44.9	53.9	64.9	53.2	86.2
Indigenous Production (PSU/Pvt)	(TMT)	7710	8408	8792	9158	8759
of which						
(a) Refineries	(TMT)	5525	6315	6732	6996	6515
(b) Fractionators	(TMT)	2185	2093	2060	2162	2244
Imports (PSU/Pvt.)	(TMT)	2719	2278	2829	2347	2718
Bottling Capacity @	(TMT/TPA)	8122	8448	8697	8967	11569

Notes: *: Provisional

@: Year end position .

Source: Public Sector Undertakings

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*	I'national Airlines (.....Rs./KL.....)
1	2	3	4	5	6	7	8	9
As on 1.10.2007								
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
As on 1.4.2008								
							Rs./KL	\$/KL
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
As on 1.4.2009								
Mumbai	44.55	34.45	9.1	34821.7	20404.58	312.05	30784.81	452.53
Kolkata	44.05	32.92	9.75	36765.92	19927.38	327.25	37744.02	499.19
Delhi	40.62	30.86	9.22	34413.45	NA	279.7	29925.97	458.44
Chennai	44.24	32.82	8.39	38166.91	19557.12	314.55	33306.77	453.22
As on 1.4.2010								
Mumbai	52.2	39.88	9.27	34480	27210	313.45	42159.48	689.78
Kolkata	51.67	37.99	9.75	NA	27690	328.7	49294.36	733.61
Delhi	47.93	38.1	9.32	NA	27920	310.35	40841.4	694.62
Chennai	52.13	38.05	8.44	NA	27530	315.95	45151.97	692.63

Note: \$: No retail sale. N.A. : Not Available. *:Posted Airfield Price. Exclusive of sales tax and other levies.

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	2009-10*
1	2	3	4	5	6	7	8
Light Distillates							
LPG	1.83731	316.0	334.8	334.8	334.80	370.00	353.1
Petrol	0.88815	203.5	231.1	254.8	242.30	260.80	242.7
Naphtha	0.41885	432.1	530.4	615.9	694.40	766.20	682.5
Middle Distillates							
Kerosene	0.68928	357.9	357.6	357.6	357.60	357.60	357.6
Aviation Turbine Fuel	0.16953	174.1	228.7	262.6	272.70	337.10	237.2
High Speed Diesel Oil	2.02034	360.4	430.4	468.2	451.60	488.50	478.1
Light Diesel Oil	0.16015	366.3	445.3	491.1	491.20	655.50	631.2
Heavy Ends							
Furnace Oil	0.49335	265.5	347.4	393.2	438.40	523.80	495.8
Lubricating Oil	0.16367	189.3	194.5	248.8	275.00	323.20	328.8
Bitumen	0.14900	267.4	288.0	421.7	479.00	686.80	635.4
All commodities	100.00000	189.5	197.2	210.4	215.70	233.90	242.9

Note: *:Provisional.

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

Table -30. Dealers' Commission for MS, HSD and LPG

Effective date	MS	HSD	Effective date	LPG (Packed Domestic)	
	(Rs/Kilolitre)			14.2 Kg	5Kg
1	2	3	4	5 6	
	(Rs./Cylinder)				
01.11.2002	639	385	01.11.2002	16.33	8.40
01.04.2004	707	425	01.10.2003	16.71	8.60
21.06.2005	778	467			
01.08.2005	848	509			
01.03.2007	894	529	01.03.2007	19.05	9.81
16.05.2007	1024	600			
23.05.2008	1052	631	04.06.2008	20.54	10.58
27.10.2009	1125	673	30.06.2009	21.94	11.30

Notes: (i) : For dealers on DD an amount of Rs.58/Kl for MS and Rs. 34/Kl for HSD and on pay order/ bank cheque an amount of Rs.29/Kl for MS and Rs.17/Kl for HSD shall be paid additionally.

(ii) Licence fee recovery may be recovered for 'A' site @ Rs.43/Kl and Rs.36/Kl and for 'B' site @ Rs.13/Kl and Rs.11/Kl for MS and HSD respectively.

Source: Petroleum Planning and Analysis Cell.

Table-31. Weighted Average Crude Oil Prices

		(Rs./MT)			
Year		Basic Price	Royalty	Cess	Sales Tax
2005-06	Offshore crude	11811	1259	1945	563
	Onshore crude	7372	2818	1954	490
	Offshore and Onshore crude	10174	1834	1948	536
2006-07	Offshore crude	17856	1814	2601	824
	Onshore crude	14504	3110	2601	812
	Offshore and Onshore crude	16725	2251	2601	820
2007-08	Offshore crude	26668	2224	2500	869
	Onshore crude	24433	3707	2500	940
	Offshore and Onshore crude	25913	2714	2500	893
2008-09	Offshore crude	30507	2568	2500	878
	Onshore crude	28354	4335	2500	1091
	Offshore and Onshore crude	29796	3152	2500	948
2009-10	Offshore crude	26187	2128	2500	722
	Onshore crude	24233	3670	2500	931
	Offshore and Onshore crude	25530	2633	2500	791

Notes:

- 2005-06 The prices exclude octroi and BPT charges, Royalty on onshore crude are based on pre discount crude prices, Cess includes NCCD of Rs.50/MT and education cess of Rs.37/MT and prices are net after considering subsidy discount on crude oil to refineries during 2005-06.
- 2006-07 The 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 and 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 Basic Price is all inclusive Gross (pre-discount) price, levies like VAT/CST, Royalty, Octroi etc. worked out on Gross Price and NCCD @ Rs.50/MT and education cess @3% on OIBD Cess and NCCD are also payable on crude.
- 2009-10 Basic price is all inclusive Gross (Pre-discount) price, levies VAT/CST, Royalty etc are notional figures and worked out based on gross Price (Pre-discount), levies are actually paid on post-discount price during 2009-10, NCCD @ Rs. 50/MT and education cess @ 3% on OIBD cess and NCCD are also payable on crude.

Source: Petroleum Planning and Analysis Cell's Finance Section.

Table-32. 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
01.04.2009	3200	1920	1069	3200	1920	3200	10000

Notes:

1. The consumer prices are exclusive of Royalty, Sales Tax and other Statutory Levies & Producer prices are exclusive of Royalty.
2. 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 .
3. W.e.f 6.6.2006 MoP&NG has revised the price of Natural Gas having allocation upto 0.05 MMSCMD & city gas distribution projects vide order dated 5.6.2006. The revised price is Rs 3840/MSCM.
4. Transportation charges are to be reviewed by Petroleum & Natural Gas Regulatory Board w.e.f. 20.11.2008.

Source: Petroleum Planning & Analysis Cell.

Table-33. Sales Tax Rates on Crude Oil, Natural Gas and Major Petroleum Products

STATE	Crude Oil	Natural Gas	CNG	MS	HSD	SKO PDS/ Indus.	LPG Dom./ Indus.	FO	LDO	Lubes/ Greases	Naphtha	(Percentage)	
												ATF	Asphalt/ Bitumen
1	2	3	4	4	5	6	7	8	9	11	10	11	12
Andhra Pradesh	4	14.5	16	33	22.25	4/12.5	4/14.5	14.5	22.3	14.5	14.5	16	14.5
Arunachal Pradesh	4 C	20		20	12.5	4/12.5	4/12.5	12.5	12.5	12.5	NA	20	NA
Assam	4	12	12	27.5	16.5	2/12.5	4/9	4	16.5	13.5	13.5	22	4
Bihar				24.5	18.36	12.5/12.5	1/12.5	12.5	18.4	12.5	12.5	29	4
Chandigarh			8	20	12.5	4/12.5	0/12.5	12.5	12.5	12.5	4	20	4
Chhattisgarh			8	25	25	4/14	0/14	25	14	14	14	25	5
Delhi			8	20	20	5/12.5	0/5	20	20	20	20	20	5
Goa			8	22	20	4/12.5	4/12.5	20	12.5	12.5	20	20	4
Gujarat	4	12.5+2.5%	4	23	21	0/27.5	0/15	15	17.5	17.5	18.5	30	5
Haryana			10	20	8.8	5/12.5	0/12.5	12.5+5%	8+5%	12.5+5%	12.5+55	20+5%	5+5%
Himachal Pradesh			8	25	14	0/12.5	4/12.5	12.5	14	12.5	4	25	5
Jammu & Kashmir			20	20	12	5/13.5	4/13.5	13.5	13.5	13.5	13.5	20+5%	5
Jharkhand		12.5		20	18	4/12.5	4/12.5	12.5	18	12.5	12.5	20	4
Karnataka			12	25	18	5/13.5	1/13.5	13.5	18	13.5	13.5	28	5
Kerala			28	29.01	24.69	4/12.5	4/12.5	12.625	12.6	12.625	4.04	29.04	4.04
Madhya Pradesh			8	28.75	23	5/13	4/12.5	12.5	12.5	12.5	12.5	28.75	5
Maharashtra(i) WML	4	12.5	13	26 \$	26 \$	5/12.5	0/12.5	12.5	12.5	12.5	12.5	25	12.5
(ii) OML				25 \$	23 \$	5/12.5	0/12.5	12.5	12.5	12.5	12.5	25	12.5
Manipur				20	12.5	4/4	4/12.5	12.5	12.5	12.5	NA	20	4
Meghalaya				20+2%	12.5+2%	4/12.5	4/12.5	NA	14.5	12.5	NA	22	NA
Mizoram				18	10	0/0	2/8	NA	10	12.5	NA	20	NA
Nagaland			12	20+5%	12+5%	5/15	4/12.5	NA	14.5	12	NA	22	NA
Orissa				18	18	4/12.5	4/12.5	12.5	20	12.5	12.5	20	12.5
Punjab			8	27.5+10%	18.8	5/13.5	4/13.5	13.5	13.5	13.5	13.5	25	4
Pondicherry				15	14	0/12.5	1/12.5	12.5	12.5	12.5	12.5	12.5	4
Rajasthan	4 L	5	12	28	18	4/14	0/14	5	18	14	5	14	14
Sikkim				15	7.5	0/12.5	4/12.5	12.5	7.5	12.5	12.5	12.5	4
Silvassa				20	20	20/20	12.5/12.5	20	20	12.5	20	20	20
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	NA	10	12.5	NA	20	NA
Uttar Pradesh		21	10	26.55	17.23	5/13.5	0/13.5	21	17.2	13.5	21	21	13.5
Uttaranchal			10	25	21	12.5/12.5	4/13.5	12.5	21	20	12.5	20	4.5
West Bengal #				25	20	4/12.5	4/4	4	17	12.5	4	25	4

Notes: Above taxes exclude other taxes payable / recoverable as on 1.4.2010.

L: On light crude oil for parties out of Rajasthan

C: CST.

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

#: on MS & HSD 25%+20% additional tax(Rebate-17/KL) and 17%+20% additional tax(Rebate29/KL) respectively

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

Table -34: Central Excise and Customs Tarrif

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 Petoleum	Nil	Nil	Nil	5%+	Nil	Nil
	Rs. 2500/MT as Cess+			Rs. 50/MT		
	Rs. 50/ MT as NCCD			as NCCD		
Motor Spirit	Rs.6.35/ltr	Rs.6/ltr	Rs.2.00/ltr.	7.50%	Rs.6.35/ltr. + Rs.6.00/ltr SAD	Rs.2.00/ltr.
Motor Spirit (Branded)	Rs.7.50/ltr	Rs.6/ltr	Rs.2.00/ltr.	7.50%	Rs.6.35/ltr. + Rs.6.00/ltr SAD	Rs.2.00/ltr.
Motor Spirit (branded)	6%+Rs.5.00/ltr.	Rs.6/ltr	Rs.2.00/ltr.			
Naphtha	14%	Nil	Nil	5%	14%	Nil
-Fertilizers	Nil	Nil	Nil	Nil	Nil	Nil
A.T.F.	8%	Nil	Nil	Nil	8%	Nil
Kerosene (PDS)	Nil	Nil	Nil	Nil	Nil	Nil
(Non PDS)	14%	Nil	Nil	10%	14%	Nil
HSD	Rs.1.60/ltr.	Nil	Re.2.00/ltr.	7.50%	Rs.2.60/ltr.	Rs.2.00/ltr.
HSD (branded)	Rs.3.75/Ltr	Nil	Re.2.00/ltr.	7.50%	Rs.2.60/ltr.	Rs.2.00/ltr.
L.D.O.	14%+Rs. 2.5/Ltr	Nil	Nil	10%	14%+Rs. 2.5/Ltr	Nil
Furnace Oil - Non-Fert	14%	Nil	Nil	10%	14%	Nil
Fertilizers	Nil	Nil	Nil	10%	Nil	Nil
Transformer Oil	14%	Nil	Nil	10%	14%	Nil
Lube oil/greases	14%	Nil	Nil	10%	14%	Nil
LPG(Dom)	Nil	Nil	Nil	Nil	Nil	Nil
LPG(Non-Dom)	8%	Nil	Nil	5%	8%	Nil
Butane / Propane	14%	Nil	Nil	5%	14%	Nil
Butane / Propane(Dom)	Nil	Nil	Nil	Nil	Nil	Nil
LNG	NIL	Nil	Nil	5%	NIL	Nil
Natural Gas	NIL	Nil	Nil	5%	Nil	Nil
Natural Gas(compresed)	14%	Nil	Nil	5%	14%	Nil
Petroleum Jelly	14%	Nil	Nil	10%	14%	Nil
Waxes all types	14%	Nil	Nil	10%	14%	Nil
Petroleum Coke	14%	Nil	Nil	5%	14%	Nil
Petroleum Bitumen	14%	Nil	Nil	10%	14%	Nil
LSHS/ HPS & other Res.	14%	Nil	Nil	10%	14%	Nil
- Fertilisers	NIL	Nil	Nil	10%	NIL	Nil
Bitumen & Asphalt	14%	Nil	Nil	10%	14%	Nil

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

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

* : As on 27.02.2010

Table-35. Realisation of Excise and Custom Duties from Crude Oil and Petroleum Products

(Rs.Crore)					
Products	2005-06	2006-07	2007-08	2008-09	2009-10
1	2	3	4	5	6
A. Excise Duties					
1. Motor Spirit	17554	18303	20102	21075	24809
2. Kerosene Oil	212	236	241	281	223
3. Refined Diesel Oil	21773	24672	23848	21537	23130
4. Diesel Oil (NES)	505	389	306	288	188
5. Furnace Oil	1756	1877	1985	2135	2446
6. Pol. Products (NOS)	4623	4919	6313	6840 \$	5822
7. Petroleum Gases	319	454	570	595	705.4
8. Cess on crude oil	5007	7034	6866	6632	6688.4
Total (A)	51749	57884	60231	59383	64011.8
B. Custom Duties					
1. Crude Petroleum	7158	7583	9101	2768 \$	1752
2. Petroleum Products	4236	6426	9041	8406 \$	6003
Total (B)	11394	14009	18142	11174	7755
Grand Total (A+B)	63143	71893	78373	70557	71766.8
C. Other Non-Tax	6204	6336	6456	9423 RE	7334
Petroleum Revenue					

Notes: 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.

Source: Ministry of Finance & Budget papers of Central Government.

Table -36. Central Plan Outlay of the Ministry of Petroleum & Natural Gas

(Rs. in Crore)

Central Plan Outlay of the P&NG	Budget 2009-10			Revised Budget 2009-10			Budget 2010-11		
	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	57475.74	57500.74	25.00	58095.42	58120.42	37.00	69457.79	69494.79
Total	25.00	57475.74	57500.74	25.00	58095.42	58120.42	37.00	69457.79	69494.79

Demands for Grants of the Ministry of Petroleum & Natural Gas

(Rs. in Crore)

Major Head	Budget 2009-10			Revised Budget 2009-10			Budget 2010-11		
	Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total
1	2	3	4	5	6	7	8	9	10
Revenue Section									
Secretariat-Economic Services	0	18.35	18.35	0	17.79	17.79	0	17.4	17.4
Petroleum	25.00	13431.98	13456.98	25.00	25275.54	25300.54	37.00	3124.6	3161.60
Total Revenue Section	25.00	13450.33	13475.33	25.00	25293.33	25318.33	37.00	3142.00	3179.00
Capital Section									
Capital Outlay on Petroleum	0	0	0	0	958.08	958.08	0	0	0
Total Capital Section	0	0	0	0	958.08	958.08	0	0	0
Grand Total	25.00	13450.33	13475.33	25.00	26251.41	26276.41	37.00	3142.00	3179.00
Special Deposits and Accounts	0.00	-10306.33	-10306.33	0.00	-22306.33	-22306.33	0.00	0.00	0.00
Total Receipts *	0.00	-10306.33	-10306.33	0.00	-22306.33	-22306.33	0.00	0.00	0.00
Expenditure Provisions, net of the Receipts:									
Revenue	25.00	3144.00	3169.00	25.00	2987.00	3012.00	37.00	3142.00	3179.00
Capital**	0.00	0.00	0.00	0.00	958.08	958.08	0.00	0.00	0.00
Total	25.00	3144.00	3169.00	25.00	3945.08	3970.08	37.00	3142.00	3179.00

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

**: There is no outgo of funds.(Col.6)

Source: Demand for Grants -2010-11 and Outcome Budget 2010-11.

Table-37. Details of Subsidies by the Central Government

(Rs. Crore)

Item	2005-06	2006-07	2007-08	2008-09*	2009-10 RE
1	2	3	4	5	6
I. Total Central	47522	57125	70926	129708	131025
Govt. Subsidies					
Food	23077	24014	31328	43751	56002
Fertilisers	18460	26222	32490	76603	52980
Pol Products	2683	2699	2820	2852	14954
Other subsidies	3042	3630	3428	6127	6239
II. Pol Subsidy as % of Total Subsidy	5.65	4.72	3.98	2.20	11.41

Notes: *: Provisional

RE : Revised Estimate.

Source: Ministry of Finance(Budget 2010-11).

Table- 38. Subsidy by Govt. & Under Recovery by Oil Companies on PDS SKO & Domestic LPG

Years	PDS SKO			Domestic LPG			Total Subsidy
	Fiscal subsidy by Govt.	by Oil Companies	Total	Fiscal subsidy by Govt.	by Oil Companies	Total	
1	2	3	4	5	6	7	8
2005-06	1057	14384	15441	1605	10246	11851	27292
2006-07	970	17883	18853	1554	10701	12255	31108
2007-08	978	19102	20080	1663	15523	17186	37266
2008-09	974	28225	29199	1714	17600	19314	48513
2009-10	956	17364	18320	1814	14257	16071	34391
Total	10837	112256	123093	16166	85575	101741	224834

Source: Budget document and Petroleum Planning & Analysis Cell

Table -39. Resources of Public Enterprises of Petroleum & Natural Gas Sector

Name of the Public Enterprises	Plan Outlay 2009-2010 (B. E.)	Revised Estimates -2009-2010					Budget Estimates -2010-2011					
		Internal Resources	Bonds/ Debentures	E.C.B./ Suppliers Credit	Other	Total	Plan Outlay (B. E.)	Internal Resources	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.	90.00	66.90			0.00	66.90	47.00	27.00			20.00	47.00
2. Bharat Petroleum Corporation Ltd.	3348.70	1813.63	1000.00	121.37	75.00	3685.00	3022.00				3022.00	3022.00
3. Biecco Lawrie Ltd.	5.00				5.00	5.00	5.00				5.00	5.00
4. Gas Authority of India Ltd.	5558.00	2100.00	600.00	500.00	1000.00	4200.00	5510.00	761.49			4748.51	5510.00
5. Hindustan Petroleum Corporation Ltd.	1390.00	940.00	1000.00		250.00	2190.00	3924.00			0.00	3924.00	3924.00
6. Indian Oil Corporation Ltd.	11561.00	7061.00	0.00		5458.08	12519.08	12825.00	10778.00	0.00		2047.00	12825.00
7. Chennai Petroleum Corporation Ltd.	716.09	-832.75			1752.18	919.43	1079.90	523.65			556.25	1079.90
8. Numligarh Refinery Ltd.	250.00	208.00			25.00	233.00	237.24	212.24			25.00	237.24
9. Oil & Natural Gas Corporation	20867.58	24720.21				24720.21	26523.00	26523.00				26523.00
10. Oil India Ltd.	2276.31	2375.35			0.00	2375.35	4464.98	2108.48			2356.50	4464.98
11. Oil & Natural Gas Corporation-Videsh Ltd.	9365.06	4262.99	-608.82		3369.85	7024.02	8662.78	4287.42			4375.36	8662.78
12. Manglore Refineries & Petro-Chemicals Ltd.	2048.00	1115.51			0.00	1115.51	3156.86	1356.86	1800.00		0.00	3156.86
Total	57475.74	43830.84	1991.18	621.37	11935.11	59053.50	69457.76	46578.14	0.00	1800.00	21079.62	69457.76

Source: Expenditure Budget 2010-11 (Vol.-I)

Table-40. Expenditure of Public Sector Undertakings of Ministry of Petroleum & Natural Gas

(Rs.Crore)					
Undertaking	2002-07	2007-08	2008-09	2009-10	2010-11
	(Actual)	(Actual)	(Actual)	(RE)	(BE)
1	2	3	4	5	6
A. Exploration & Production	82716.75	25051.06	42477.58	39222.23	46299.08
1. ONGC	48322.77	17651.04	21790.34	24720.21	26523.02
2. OIL	4609.33	1210.33	1601.13	2375.35	4464.98
3. GAIL (India) Ltd.	6067.86	1317.84	2716.24	3970.65	5113.29
4. ONGC Videsh Ltd.	23716.79	4529.26	15664.67	7024.02	8662.79
5. IOC	0.00	218.24	195.59	232.00	335.00
6. HPCL	0.00	36.96	79.57	150.00	300.00
7. BPCL	0.00	87.39	430.04	750.00	900.00
B. Refining & Marketing	25623.84	5188.33	9147.49	15532.43	20471.13
1. IOC	12242.04	2235.12	4743.49	8320	10301.00
2. HPCL	4708.11	1656.82	1371.69	2037	3621.00
3. BPCL	4820.20	732.22	1527.08	2935	2122.00
4. CPCL	2312.90	159.80	422.96	919.43	1079.90
5. KRL	42.48	*	*	*	*
6. BRPL	159.60	251.82	708.3	0.00	0.00
7. IBP Co. Ltd.	333.84	**	**	**	**
8. Numaligarh Refinery Ltd.	349.79	59.24	107.58	233.00	202.24
9. MRPL	654.88	93.31	266.39	1088.00	3144.99
C. Petrochemicals	6665.54	2502.83	4818.51	3268.86	2635.58
1. BRPL	19.06	0.32	0.00	0.00	0.00
2. MRPL	31.48	0.00	15.00	27.51	11.87
3. IOC	6219.17	2436.08	4705.14	3009.00	2189.00
4. CPCL	1.63	0.00	0.00	0.00	
5. GAIL	394.20	31.33	70.09	229.35	396.71
6. HPCL	0.00	30.91	0.00	3.00	3.00
7. NRL	0.00	4.19	28.28	0.00	35.00
D. Engineering Unit	34.17	17.22	19.65	71.90	52.00
1. Balmer Lawrie & Co. Ltd.	34.17	17.22	19.65	66.9	47.00
2. Biecco Lawrie Limited	0.00	0.00	0.00	5.00	5.00
Total (A+B+C+D)	115040.30	32759.44	56463.23	58095.42	69457.79

Notes: *: KRL is merged in BPCL

BE: Budget Estimates

RE : Revised Estimates

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

Source: Outcome Budget-2010-11, Ministry of Petroleum & Natural Gas.

Table-41. Performance of Public Sector Undertakings of Ministry of Petroleum & Natural Gas

(Rs.Crore)

Name of Undertaking	Paid-up Capital (PUC) 2009-10	Gross Turnover				Profit after tax			
		2006-07	2007-08	2008-09	2009-10*	2006-07	2007-08	2008-09	2009-10*
1	2	4	5	6	7	9	10	11	12
ONGC	2138.87	53587	53004	65049	61983	15643	15326	16126	16126
IOC	2427.95	220779	236962	330379	271074	7500	6656	2950	10221
GAIL(India) Ltd.	1268.48	16546	20439	24234	24996	2387	1778	2804	3140
HPCL	338.63	96918	94821	131803	108599	1571	473	575	1301
BPCL	361.54	108185	110108	145392	131500	1805	1327	736	1538
IBP Co.	**	15900	**	**	**	268	**	**	**
OIL	240.45	5388	5581	7233	7905.55	1640	1459	2162	2611
BRPL	**	6426	6036	**	**	185	294	**	**
EIL	56.16	571	820	1532	1994	143	172	345	436
CPCL	149.00	29349	28004	36490	29184	565	747	-397	603
KRL	\$	15784	\$	\$	\$	402	\$	\$	\$
NRL	735.63	6850	7161	8853	7874	569	481	236	232
MRPL	1761.82	28301	26824	42719	36763	526	328	1193	1112
Grand Total	9478.53	604584	589760	793684	681871	33204	29041	26730	37319

Notes: **: included in IOC

*: Provisional.

\$: Included in BPCL

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

Table-42. Trends in overall FDI Inflows under Petroleum & Natural Gas Sector

Year	FDI Inflow		% of FDI in P&NG to Total FDI	Annual Growth (%)	
	Total All Sector	P & NG Sector		All Sectors	P & NG Sector
1	2	3	4	5	6
(Rupees in Million)					
2005-06	246130	636	0.30	67.97	-87.72
2006-07	706300	4015	0.60	186.96	531.00
2007-08	986640	57291	5.80	39.69	1326.88
2008-09	1229190	19310	1.60	24.58	-66.29
2009-10	1233780	13280	1.10	0.37	-31.23
Total	4402040	94532	2.10		
(US \$ in Million)					
2005-06	5546	14	0.30	72.29	-87.53
2006-07	15726	89	0.60	183.56	531.59
2007-08	24579	1427	5.80	56.30	1496.25
2008-09	27329	412	1.50	11.19	-71.12
2009-10	25888	272	1.10	-5.27	-33.98
Total	99068	2214	2.20		

Source: FDI Cell, Department of Industrial Policy and Promotion.

Table -43. Number of Persons Employed in Petroleum Industry

Sector	Year					
	2005	2006	2007	2008	2009	2010
1	2	3	4	5	6	7
Exploration & Production	41415	39694	38948	33935	33612	33351
Refining	26859	30262	28151	30128	32745	34036
Marketing	40628	43317	42970	44995	42183	41387
Pipelines	7318	7816	7510	8933	4598	4563
Research & Development	2096	2071	2029	1964	2076	2122
Others	15055	15151	15707	20001	23759	14529
Total	133371	138311	135315	139956	138973	129988

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

Source: Public Sector Undertakings.

Table 44. Major End use of Petroleum Products

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

Table-45. Main Conversions Used in Petroleum Industry

Item		Conversion Factor
<u>Crude Oil</u>	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
<u>Natural Gas</u>	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.
<u>LNG</u>	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.
<u>CNG</u>	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 -46. Conversion Factors for Petroleum Products

Products	TOE/Tonne	Barrel/Tonne
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

Note: TOE : Tonnes of Oil Equivalent

Source: International Energy Agency Statistics