



सत्यमेव जयते

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

2010-11

**Ministry of Petroleum & Natural Gas
Government of India
New Delhi
(Economic Division)**

**Government of India
Ministry of Petroleum and Natural Gas
Economic Division**

Preface

The “**Basic Statistics on Indian Petroleum & Natural Gas, 2010-11**” is the sixteenth 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 2010-11 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 Officers and staff of Economic Division of this Ministry, Shri Sukhvir Singh, Director, Shri Ramswaroop Singh, Research Officer, Shri S.S. Chahal, Senior Investigator, Shri Shyam Lal Junior Investigator, deserve due recognition for the efforts in preparing the Bulletin.

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HIGHLIGHTS IN THE PETROLEUM & NATURAL GAS SECTOR DURING 2010-11

- India has total reserves (proved & indicated) of 757 million metric tonnes of crude oil and 1241 billion cubic metres of natural gas as on 1.4.2011. (Table-6)
- The total number of exploratory and development wells and metreage drilled in onshore and offshore areas during 2010-11 was 420 and 1005 thousand metres respectively. (Table-7)
- Crude oil production during 2010-11 at 37.71 million metric tonnes is 11.91% higher than 33.69 million metric tonnes produced during 2009-10. (Table-10)
- Gross Production of Natural Gas in the country at 52.22 billion cubic metres during 2010-11 is 9.95% higher than the production of 47.50 billion cubic metres during 2009-10 (Table-11)
- The flaring of Natural Gas in 2010-11 at 1.85% of gross production is lower than at 2.00% in 2009-10. (Table-11)
- The refining capacity in the country increased to 187.386 million metric tonnes per annum (MMTPA) as on 1.4.2011 from 183.386 MMTPA as on 1.4.2010. (Table-13)
- The total refinery crude throughput during 2010-11 at 206.15 million metric tonnes is higher about 7% than 192.77 million metric tonnes crude processed in 2009-10 (including data in respect of RIL, SEZ Refinery.) (Table-13)
- The production of petroleum products during 2010-11 was 190.364 million metric tonnes (including 2.168 million metric tonnes of LPG production from natural gas) against the last years production at 179.769 million metric tonnes (including 2.243 million metric tonnes of LPG production from natural gas). (Table -15)
- The country exported 59.13 million metric tonnes of petroleum products against the imports of 26.31 million metric tonnes (including 8.95 million metric tonnes of LNG) during 2010-11. (Table-17)
- The consumption of petroleum products during 2010-11 was 141.785 million metric tonnes (including sales through private imports) which is 3.60% higher than that of 138.196 million metric tonnes during 2009-10. (Table-18)
- The total number of retail outlets of Public Sector Oil Marketing Companies as on 1.4.2011 has gone upto 38964 from 36462 on 1.4.2010. (Table-22)
- The total number of LPG consumers of Public Sector Oil Marketing Companies as on 1.4.2011 were 125.266 million against 114.952 million as on 1.4.2010. (Table-25)
- The number of persons employed (including contract employees) in petroleum industry has been increased from 139865 on 1st April 2010 to 141929 on 1st April, 2011 (Table -43)

Table -1. Indian Economy - Selected Indicators

Indicator	Unit/base	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11*
1	2	3	4	5	6	7	8
1. Geographical Area	M.Sq.Km.	3.29	3.29	3.29	3.29	3.29	3.29
2. Population	Million	1106	1122	1138	1154	1170	1210
3. Gross Domestic Product							
at factor cost :							
(i) At current prices	Rs.Billion	33762	39121	45211	52821	61332	73069
(ii) At constant prices+	"	32242	35377	38764	41625	44937	48778
4. Net National Product							
at factor cost :							
(i) At current prices	Rs.Billion	30065	34872	40319	46859	54395	65034
(ii) At constant prices+	"	28722	31499	34500	36699	39465	42598
5. Per Capita Net							
National Product :							
(i) At current prices	Rupees	27183	31080	35430	40605	46492	54835
(ii) At constant prices+	"	25969	28074	30316	31801	33731	35917
6. Foreign Exchange Reserves :							
(i) Gold	Rs.Billion	256.74	295.73	401.24	487.93	811.88	1025.72
(ii) SDR	Mn. of SDRs.	3.0	2.0	18.0	1.0	5006	4569
(iii) Foreign currency Assets	Rs.Billion	6473.27	8365.97	11960.23	12300.66	11496.50	12248.83
Foreign Exchange Rate!	Rs./US\$	44.27	45.28	40.24	45.92	47.42	45.58
7. Foreign Trade :							
(i) Import	Rs.Billion	6604.09	8405.06	10123.12	13744.36	13637.4	15968.69
(ii) Export	"	4564.18	5717.79	6558.64	8407.55	8455.34	11188.23
(iii) Balance of Trade	"	-2039.91	-2687.27	-3564.48	-5336.81	-5182.02	-4780.46
8. Index of Production :							
(i) Agricultural	1993-94=100	146.8	167.8	173.1	162.3	160	178.8
(ii) Industrial	2004-05=100	108.6	122.6	141.70	145.2	152.9	165.5
9. Wholesale Price Index :	2004-05=100	104.5	111.4	116.6	126	130.8	143.3
10. Consumer Price Index:							
(i) Industrial Workers	2001=100	542	125	133	145	163	177.7
(ii) Agricultural Labourers	1986-87=100	353	380	409	450	513	557.2
(iii) Urban non-manual workers	2001=100	456	486	515	561	634	692
11 Energy Generation (Gross) :							
Coal	Mn.Tonne	407.0	430.8	457.1	492.8	532.1	533.1
Lignite	"	30.1	31.3	34.0	32.4	34.1	37.7
Natural Gas	Bn.Cub.Mtr.	32.2	31.7	32.4	32.8	47.5	52.2
Crude Oil	Mn.Tonne	32.2	34.0	34.1	33.5	33.7	37.7
Petroleum Products	"	119.8	135.3	144.9	150.5	179.8	190.4
12. Electricity Generated (Gross)							
(i) Utilities							
Hydel	B.KWH	101.5	113.5	120.4	110.1	104.1	114.2
Thermal	"	506	538.4	585.3	616.1	677.1	704.3
Nuclear	"	17.3	18.8	16.9	14.9	18.6	26.3
Total	"	624.8	670.7	722.6	741.1	799.8	844.8
(ii) Non-utilities	"	73.6	81.8	90.5	99.7	109.7	NA
Grand Total	"	698.4	752.5	813.1	840.8	909.5	844.8
13. POL Traffic by Rail	MMT	33.45	35.23	35.88	38.08	38.88	39.296

Notes: ** : Provisional.

+: Base 1999-00 upto the year 2007-08

N.A.: Not Available

R: Revised Estimates

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

Table-2. GROWTH OF INDIAN PETROLEUM INDUSTRY AT A GLANCE

Item	Unit	2006-07	2007-08*	2008-09	2009-10	2010-11*
1	2	3	4	5	6	7
1. Reserves !						
(Balance Recoverable)						
(i) Crude Oil	Mn.Tonne	725.38	770.12	773.29	774.66	757.44
(ii) Natural Gas	Bn.Cub.Mtr.	1054.52	1089.97	1115.26	1148.56	1241.00
2. Consumption						
(i) Crude Oil	Mn.Tonne	146.55	156.10	160.77	192.77	206.15
(in terms of refinery crude throughput)						
(ii) Petroleum Products	"	120.75	128.95	133.60	138.20	141.79
(excl. RBF)						
3. Production :						
(i) Crude Oil	"	33.99	34.12	33.51	33.69	37.71
(ii) Petroleum Products	"	135.26	144.93	150.52	179.76	190.36
(iii) LPG from natural gas	"	2.09	2.06	2.16	2.24	2.17
4. Imports & Exports						
(i) Gross Imports :						
(a) Qty : Crude Oil	Mn.Tonne	111.50	121.67	132.78	159.26	163.59
LNG	'	6.81	8.32	8.06	8.83	8.95
Pol. Products	"	17.66	22.46	18.52	14.66	17.34
Total (a)	"	135.97	152.45	159.36	182.75	189.88
(b) Value:Crude Oil	Rs.Billion	2190.29	2726.99	3481.49	3753.78	4559.09
LNG	'	56.50	71.97	95.48	101.96	127.19
Pol.Products	"	411.60	610.00	608.46	337.54	558.12
Total (b)	"	2658.39	3408.96	4185.43	4193.28	5244.40
(ii) Exports :						
(a) Qty :						
Pol. Products	Mn.Tonne	33.62	40.78	38.90	50.97	59.13
(b) Value:						
Pol.Products	Rs.Billion	810.94	1107.89	1220.64	1440.37	1961.12
(iii) Net Imports :						
(a) Qty : Crude Oil	Mn.Tonne	111.50	121.67	132.78	159.26	163.59
Pol. Products	"	-15.96	-18.32	-20.38	-36.31	-41.80
Total (a)	"	102.35	111.67	120.46	131.78	130.75
(b) Value:Crude Oil	Rs.Billion	2190.29	2726.99	3481.49	3753.78	4559.09
Pol.Products	"	-399.34	-497.89	-612.18	-1102.83	-1403.00
Total (b)	"	1847.45	2301.07	2964.79	2752.91	3283.28
(iv) Unit Value of Crude oil imports(gross)						
	Rs./MT	19643.50	22412.63	26220.98	23570.28	27868.29
5. India's Total Exports						
	Rs.Billion	5717.79	6558.64	8407.55	8455.34	11188.23
6. Pol. Imports / Exports as % of India's total exports						
(i) Imports	%	46.49	51.98	49.78	49.59	46.87
(ii) Exports :	%	14.18	16.89	14.52	17.04	17.53
7. Contribution of Oil Sector to Centre/State Resources						
(i) Royalty from crude oil	Rs.Billion	58.57	65.44	71.55	61.55	91.21
(ii) Royalty from gas	"	10.75	14.84	16.24	18.00	25.27
(iii)Oil Development Cess	"	71.77	71.56	68.87	70.96	83.14
(iv) Excise & Custom duties	"	718.93	783.73	705.57	717.66	1026.17
(v) Sales Tax	"	539.49	564.45	633.49	649.99	807.09
(vi) Dividend	"	115.27	94.74	98.61	67.63	NA
8. Natural Gas :						
(i) Gross Production	Bn.Cub.Mtr.	31.75	32.42	32.85	47.50	52.22

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

Notes: *: Provisional

! : As on 1st April of initial year.

N.A.: Not Available.

Table-3. International Petroleum Statistics

Item	Unit	2006	2007	2008	2009	2010*
1	2	3	4	5	6	7
1. World Reserves :						
Oil & Gas at year end						
(i) Crude Oil	Mn. Tonne	164.5	168.6	170.8	181.7	188.8
of which OPEC	"	123.6	127.6	129.8	140.4	146.0
(ii) Natural Gas	Tr.Cu.ft.	6405	6263	6534	6621	6609
of which OPEC	"	2961	3259	3295	3335	3330
2. World Prod'n. of Oil & Gas						
(i) Crude Oil	TMT	3916.2	3904.3	3933.7	3831.0	3913.7
of which OPEC	"	1680.2	1660.0	1709.4	1583.5	1623.3
(ii) Natural Gas Net (Marketed)	Bn.Cu.Mtr.	2881.4	2934.0	3072.8	3025.5	3226.0
of which OPEC	"	446.6	467.8	495.5	544.9	585.3
3. World Oil Refinery						
(i) Refinery capacity at year end	Mn. Tonne/ Year	4331	4378	4414	4512	4512
(ii) Crude throughput	Mn. Tonne	3718	3762	3744	3670	3714
4. World Oil Consumption						
(i) World Total	Mn. Tonne	3916.2	3969.5	3959.9	3908.7	4028.1
(ii) Main consuming areas	"	2262	2711	2698	2160.2	2234.2
(iii) Consumption in main areas as % of world	%	57.8	68.3	68.1	55.3	55.5
5. World Imports/Exports						
(i) Crude Oil	Mn. Tonne	1933	1984	1970	1892.5	1875.8
(ii) Pol. Products	"	658	717	728	714	757.7
Total	"	2591	2701	2698	2606.5	2633.5
6. Export of Crude Oil/ Pol. from OPEC						
(i) Crude Oil	Mn. Tonne	1198	1221	1211	1111	1151
(ii) Pol. Products	"	230	216	215	201	181
Total	"	1428	1437	1426	1312	1332
7. World Primary Energy Consumption						
(i) Oil	Mn. Tonne Oil Eqv.	3911	3939	3960	3908.7	4028.1
(ii) Natural Gas	"	2558	2652	2717	2661.4	2858.1
(iii) Coal	"	3039.1	3184	3286	3305.6	3555.8
(iv) Hydro-Electric	"	684.3	696	731	736.3	775.6
(v) Nuclear Energy	"	634.9	622	620	614.0	626.2
Total	"	10827.3	11094.2	11315.2	11226.0	11843.8

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

Source: (i) BP Statistical Review of World Energy, June-2011 (ii) OPEC Annual Statistical Bulletin.

Table-4: Gross Domestic Product from Petroleum Sector

Years	(at Current Prices-Rs Crores)						
	1	2	3	4	5	6	7
	GDP at factor cost	Petroleum & Natural Gas	Petroleum Products	Rubber & Petroleum Products	Petroleum Products (estimated @ 81% of Col. 4)	Total (col 3 & 5)	Percentage (col 6 to Col 2)
2005-06	3389621	50541	56723	45946	96487	2.85	
2006-07	3962241	56520	72490	58717	115237	2.91	
2007-08	4581422	60693	84619	68541	129234	2.82	
2008-09	5282086	65491	97085	78639	144130	2.73	
2009-10	6133230	Q 78572	102204	82785	161357	2.63	
2010-11	7256571	AE *	*	*	*	*	

Notes: RE: Revised Estimate * : Not Available GDP from 2008-09 and onwards are based on 2004-05 series Q:quick Estimate

Source: Central Statistical Organisation(NAS 2011), Ministry of Statistics & Programme Implementation. **AE: Advance Estimate**

Table-5. Gross Production of energy by various sources in India

Source	Unit	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11*
1	2	3	4	5	6	7	8	9
1. Pol.Products	MMT	120.17	119.76	135.26	144.93	150.52	179.77	190.36
2. Natural Gas	BCM	30.78	32.20	31.75	32.417	32.845	47.50	52.22
3. Coal	MMT	382.61	407.04	430.83	457.08	492.76	532.06	533.08
4. Lignite	MMT	30.34	30.06	31.29	33.98	32.42	34.07	37.74
5. Electricity (incl.Non-utilities)	Bn.KWH	665.80	698.40	752.50	813.10	840.80	909.50	844.8^

Notes: * : Provisional ^ Exclude Non utilities Electricity

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

Table-6. Oil and Gas Reserves

AREA	2005	2006	2007	2008	2009	2010	2011
1	2	3	4	5	6	7	8
CRUDE OIL (Million Metric Tonnes)							
Onshore	376	387	357	404	406	403	403
Offshore	410	369	368	367	368	371	354
Total	786	756	725	770	773	775	757
NATURAL GAS (Billion Cubic Metres)							
Onshore	340	330	270	304	328	334	394
Offshore	761	745	785	786	788	815	847
Total	1101	1075	1055	1090	1115	1149	1241

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		2010-11*	
	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)	Wells (No.)	Metre-age (ooo)
1	2	3	4	5	6	7	8	9	10	11	12	13
(a) EXPLORATORY												
Onshore	82	236	74	187	79	209	90	243	110	298	107	302
Offshore	32	106	22	76	27	84	32	97	34	128	40	145
Total (a)	114	342	96	263	106	293	122	340	144	426	147	446
(b) DEVELOPMENT												
Onshore	145	322	157	354	192	405	210	393	236	470	240	479
Offshore	42	137	44	125	61	174	49	155	48	123	33	80
Total (b)	187	459	201	479	253	579	259	548	284	593	273	559
Grand Total (a+b)	301	801	297	742	359	872	381	888	428	1019	420	1005

Note: * Provisional

Table-8. Number of Wells and Metreage Drilled

Area / State	2005-06		2006-07		2007-08		2008-09		2009-10		2010-11*	
	Wells No.	Metre-age (000)	Wells No.	Metre-age (000)	Wells No.	Metre-age (000)	Wells No.	Metre-age (000)	Wells No.	Metre-age (000)	Wells No.	Metre-age (000)
1	2	3	4	5	6	7	8	9	10	11	12	13
(a) ONSHORE												
Assam	58	225	48	190	67	227	80	206	63	259	72	234
Gujarat	124	215	128	223	156	255	167	296	199	335	215	370
Others	45	119	55	128	48	132	53	134	64	174	60	177
Total (a)	227	559	231	541	271	614	300	636	346	768	347	780
(b) OFFSHORE												
Bombay High	51	171	66	201	88	258	81	252	82	251	73	225
Others	23	71										
Total (b)	74	242	66	201	88	258	81	252	82	251	73	225
Grand Total (a+b)	301	801	297	742	359	872	381	888	428	1019	420	1005

Source: Public Sector Undertakings.

Table-9. State-wise/Basin-wise Oil and Gas Fields in India

As on 01.04.2011

(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.		30	130	197	357
a) Onshore					
Gujarat	Cambay	4	7	74	85
Assam	Upper Assam	4	1	30	35
	A&AA	0	4	2	6
Rajasthan	Jodhpur	0	7	0	7
Andhra Pradesh	K.G. Basin	2	40	12	54
Tamil Nadu	Cauvery	8	10	10	28
Tripura	A&AA	0	11	0	11
Nagaland	A&AA	2	0	1	3
b) Offshore					
East Coast	Cauvery Offshore	0	0	0	0
	KG Offshore(Shallow)	1	6	6	13
	KG Offshore(Deep)	2	13	2	17
	Mahanadi	0	4	0	4
	Andaman	0	0	0	0
West Coast	Cambay	0	1	2	3
	Mumbai Offshore	6	24	57	87
	Kutch	1	2	1	4
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		32	18	0	50
a) Onshore					
Gujarat	Cambay	20	4	0	24
Arunachal Pradesh	Kharsang	1	0	0	1
Assam	Amguri	0	1	0	1
Madhya Pradesh*	Sohagpur West	0	1	0	1
	Sohagpur East	0	1	0	1
Jharkhand*	Jharia	0	1	0	1
	Bokaro	0	1	0	1
Rajasthan	Rajsthan	5	2	0	7
West Bengal*	Ranigunj (East)	0	1	0	1
	Ranigunj (West)	0	1	0	1
b) Offshore					0
East Coast	Cauvery	1	1	0	2
	KG Basin	2	2	0	4
West Coast	Mumbai	2	1	0	3
	Cambay	1	1	0	2
Grand Total		63	151	212	426

Notes: A&AA : Assam & Assam Arakan.

* CBM Fields

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*	2010-11*
1	2	3	4	5	6	7
1. Crude Oil Production ++ ('000' Tonnes)						
(a) Onshore:						
Gujarat	6251	6212	6177	5946	5960	5905
Assam/Nagaland	4474	4400	4357	4674	4740	4719
Arunachal Pradesh	104	109	102	102	131	116
Tamil Nadu	385	353	298	265	239	234
Andhra Pradesh@	216	252	279	289	304	305
Rajasthan	-	-	-	-	447	5149
Total (a)	11430	11326	11213	11276	11821	16428
of which						
AOC	@					
OIL	3234	3107	3100	3468	3572	3582
ONGC	8095	8058	7921	7565	7515	7446
JVC/Private	101	161	192	243	734	5400
(b) Offshore:						
ONGC	16309	17993	18020	17801	17340	17002
JVC/Private	4451	4669	4885	4431	4529	4282
Total (b)	20760	22662	22905	22233	21869	21284
Grand Total (a+b)	32190	33988	34118	33508	33690	37712
2. Natural Gas Production						
(Million Cubic Metres)						
(a) Onshore:						
Gujarat	3831	3294	2931	2605	2444	2263
Assam/Nagaland	2408	2526	2598	2573	2703	2682
Arunachal Pradesh	48	35	30	30	40	44
Tripura	480	520	534	553	564	610
Tamil Nadu	906	1130	1169	1242	1178	1119
Andhra Pradesh	1663	1525	1567	1524	1479	1384
Rajasthan	242	242	255	216	239	432
West Bengal\$(CBM)	-	-	15	20	38	41
Total (a)	9578	9272	9099	8763	8685	8577
of which						
AOC	@					
OIL	2270	2265	2340	2268	2416	2350
ONGC	5751	5876	5877	5753	5634	2350
JVC/Private	1557	1131	882	742	635	720
(b) Offshore:						
ONGC (Mumbai High)	16823	16567	16457	16733	17462	17591
JVC/Private	5801	5908	6861	7348	21350	26054
Total (b)	22624	22475	23318	24082	38811	43645
Grand Total (a+b)	32202	31747	32417	32845	47496	52222

Notes: *: Provisional

++: Includes condensates

@: Includes Andhra Pradesh offshore.

\$: Coal Bed Methane Production

Source: ONGC, OIL and DGH.

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	2010-11*	
	1	2	3	4	5	6	7
A. ONSHORE							
Assam@							
Gross Production(GP)	2698	2803	2883	2819	2981	3159	
Re-injected	0	0	0	0	0	0	
Flared	205	233	217	196	246	254	
Net Production	2493	2570	2666	2623	2736	2905	
% Flared to GP	7.60	8.31	7.53	6.95	8	8	
Gujarat							
Gross Production	3831	3294	2931	2605	2444	2263	
Re-injected	0	0	0	0	0	0	
Flared	21	17	18	32	38	31	
Net Production	3810	3277	2913	2573	2406	2233	
% Flared to GP	0.55	0.52	0.61	1.23	2	1	
Tamil Nadu \$\$							
Gross Production	906	1130	1169	1242	1178	1119	
Re-injected	0	0	0	0	0	0	
Flared	39	17	17	10	2	13	
Net Production	867	1113	1152	1232	1176	1106	
% Flared to GP	4.30	1.50	1.45	0.80	0	1	
Andhra Pradeshh							
Gross Production	1663	1525	1567	1524	1479	1384	
Re-injected	0	0	0	0	0	0	
Flared	8	9	10	7	10	2	
Net Production	1655	1516	1557	1517	1469	1383	
% Flared to GP	0.48	0.59	0.64	0.46	1	0	
Tripura							
Gross Production	480	520	534	553	564	610	
Re-injected	0	0	0	0	0	0	
Flared	0	0	0	0	0	0	
Net Production	480	520	534	553	564	610	
% Flared to GP	0.00	0.00	0.00	0.00	0	0	
West Bengal (CBM) \$							
Gross Production	-	-	15	20	38	41	
Re-injected	-	-	-	0	0	0	
Flared	-	-	14	17	30	5	
Net Production	-	-	1	3	8	36	
% Flared to GP	-	-	93.33	83.84	78	12.34	
B. OFFSHORE							
Mumbai High							
Gross Production	16823	16567	16457	16733	17461	17591	
Re-injected	0	0	0	0	0	0	
Flared	472	556	578	695	574	555	
Net Production	16351	16011	15879	16023	16887	17035	
% Flared to GP	2.81	3.36	3.51	4.15	3	3.16	
Private/JVCs							
Gross Production	5801	5909	6861	7348	21350	26054	
Re-injected	0	0	0	0	0	0	
Flared	132	124	84	142	89	108	
Net Production	5669	5785	6777	7222	21261	25946	
% Flared to GP	2.28	2.10	1.22	1.93	0	0.41	
Total (A&B)							
Gross Production	32202	31747	32417	32845	47496	52222	
Re-injected	0	0	0	0	0	0	
Flared	877	956	938	1099	990	968	
Net Production	31325	30791	31479	31746	46506	51254	
% Flared to GP	2.72	3.01	2.89	3.35	2	1.85	

Notes: *: Provisional

@ : Including Arunachal Pradesh and Rajasthan

\$\$:Coal Bed Methane production

\$\$: Pondicherry is included.

Source: ONGC, OIL and DGH.

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

(Million Cubic Metre)								
INDUSTRY	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11*
1	2	3	4	5	6	7	8	9
(a) ENERGY PURPOSES:								
1. Power Generation	11478	12099	11878	11963	12037	12603	21365	27415
2. Industrial Fuel	3099	3569	3780	3205	3323	5912	462	2317
3. Tea Plantation	142	142	151	170	160	154	167	193
4. Domestic Fuel	93	343	75	443	38	102	246	29
5. Captive use/LPG Shrinkage	4865	4944	5048	5034	1804	1885	5433	4543
6. Others\$	1263	231	1120	40	1324	1535	1838	1222
Total (a)	20940	21328	22052	20855	18686	22191	29511	35719
(b) NON-ENERGY PURPOSES:								
1. Fertilizer Industry	7889	8173	7762	8497	9823	9082	13168	13429
2. Petro-Chemicals	1128	1236	1175	1377	1432	1105	1264	1183
3. Others**	948	38	36	639	638	611	703	1098
Total (b)	9966	9447	8973	10513	11893	10798	15135	15710
Grand Total (a+b)	30906	30775	31025	31368	30579	32989	44646	51429
Percentage to Grand Total								
Energy Purposes	68	69	71	66	61	67	66	69
Non-Energy Purposes	32	31	29	34	39	33	34	31

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

Refinery / Location	Installed Capacity		Refinery Crude Throughput					
	as on		2005-06	2006-07	2007-08	2008-09	2009-10	2010-11*
	1.4.2010	1.4.2011	4	5	6	7	8	9
(a) PUBLIC SECTOR	112886	116886	96946	108172	112541	112223	112117	115461
IOC, Guwahati, Assam	1000	1000	864	839	920	1076	1078	1118
IOC, Barauni, Bihar	6000	6000	5553	5469	5634	5940	6184	6207
IOC, Koyali, Gujarat	13700	13700	11543	12953	13714	13852	13206	13561
IOC, Haldia, West Bengal	7500	7500	5502	5836	5715	6042	5686	6878
IOC, Mathura, Uttar Pradesh	8000	8000	7938	8883	8033	8601	8107	8880
IOC, Digboi, Assam	650	650	615	586	564	623	600	651
IOC, Panipat, Haryana	12000	15000	6507	9435	12821	13070	13615	13660
IOC, Bongaigaon, Assam	2350	2350	2356	2067	2020	2163	2220	2008
Total IOC	51200	54200	40878	46068	49421	51367	50696	52964
BPCL, Mumbai, Maharashtra	12000	12000	10298	12030	12746	12262	12516	13020
BPCL, Kochi, Kerala	9500	9500	6939	7742	8134	7739	7875	8732
Total BPCL	21500	21500	17237	19772	20880	20001	20391	21752
HPCL, Mumbai, Maharashtra	5500	6500	6249	7419	7409	6652	6965	6752
HPCL, Visakh, Andhra Pradesh	8300	8300	7980	9377	9409	9155	8796	8200
Total HPCL	13800	14800	14229	16796	16818	15807	15761	14952
CPCL, Manali, Tamil Nadu	10500	10500	9680	9784	9802	9718	9580	10104
CPCL, Narimanam, Tamil Nadu	1000	1000	682	618	464	418	517	703
Total CPCL	11500	11500	10362	10402	10266	10136	10097	10807
NRL, Numaligarh, Assam	3000	3000	2133	2504	2568	2251	2619	2255
ONGC, Tatipaka, Andhra Pradesh	66	66	93	94	63	84	55	69
MRPL, Mangalore, Karnataka	11820	11820	12014	12536	12525	12577	12498	12662
(b) PRIVATE SECTOR	70500	70500	33163	38379	43562	48549	80651	90693
RPL, Jamnagar, Gujarat	33000	33000	33163	36616	36931	35636	34415	34517
RPL(SEZ), Jamnagar, Gujarat	27000	27000	-	-	-	-	32735	41303
ESSAR Oil Ltd. Vadinar	10500	10500	-	1763	6631	12913	13501	14873
Total (a+b)	183386	187386	130109	146551	156103	160772	192768	206154

Note: *: Provisional

Source: Public Sector Undertakings / Private Company.

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

Oil Co.	Name of the Pipeline	Capacity* (MMTPA) 1.04.2011	Length (KM) 1.04.2011	Throughput ('000' Tonne)					
				2005-06	2006-07	2007-08	2008-09	2009-10	2010-11*
1	2	3	4	5	6	7	8	9	10
Product Pipelines									
IOC	Barauni - Patna - Kanpur(incl Gawaria-Lucknow branchline)	5.30	745	4180	4050	3870	3580	4000	2400
IOC	Guwahati - Siliguri	1.40	435	1260	1230	1310	1510	1800	1500
IOC	Haldia - Barauni	1.30	525	870	960	940	820	#	1300
IOC	Haldia - Mourigram - Rajbandh	1.40	277	1760	1900	1580	1290	2500	1900
IOC	Koyali - Ahmedabad	1.10	116	520	540	610	540	500	400
IOC	Koyali -Ratlam	2.00	265					100	300
IOC	Panipat - Ambala-Jalandhar(incl K'kshetra -Roorkee-Najibabad branchline)	3.50	434					2600	2400
IOC	Panipat - Delhi(Sonipat-Meerut branchline)		182					700	700
IOC	Mathura - Delhi	3.70	258					2500	3000
IOC	Panipat - Bhatinda	1.50	219		1290	1440	1510	1500	1400
IOC	Mathura - Tundla	1.20	77	250	250	240	280	300	600
IOC	Koyali - Virangam - Sidhpur-Sanganer	4.10	1056	2060	3010	3180	3240	3000	2700
IOC	Panipat - Rewari	1.50	155	910	1240	1380	1420	1500	1600
IOC	Chennai-Trichi-Madurai	1.80	683	130	820	1370	1690	1900	2000
IOC	Koyali-Dahej		103	-	180	900	800	1000	
IOC	Amod Hazira	2.60	94						1300
IOC	Chennai ATF	0.20	95			0	30	200	200
IOC	Chennai -Bangalore	1.50	290					0	900
IOC	<u>Digboi Tinsukia</u>	1.00	75						500
IOC	Narimanam Nagappatinum	0.40	7						300
IOC	Devangonhi Devanhalli	0.70	36						200
HPCL	Mumbai - Pune	3.70	508	2780	3240	3360	3370	3400	3700
HPCL	Vizag - Vijayawada - Secunderabad	5.40	572	2880	3500	3850	3880	3800	4300
HPCL	Mundra-Delhi	3.80	1054			620	3390	4800	5100
BPCL	Mumbai - Manmad - Mangliya-Piyala-Bijwasan	11.80	1389	3792	3790	8010	10490	11200	11600
OIL	Numaligarh-Siliguri	1.70	654					800	1100
PCCK	Cochin-Coimbatore-Karur(PCCK)	3.30	293			1360	1560	1500	1900
PMHB	Mangalore - Hasan - Bangalore	2.10	362	1012	1440	2141	2450	2500	2600
	Subtotal	71.50	10959	22404	27440	36161	41850	52100	55900
LPG Pipelines									
IOC	Panipat- Jalandhar	0.70	274				600	400	400
GAIL	Jamnagar - Loni	2.50	1250	1910	2030	2232	2090	2400	2600
GAIL	Vizag - Vijayawada - Secunderabad	0.70	300	320	460	522	650	700	800
	Subtotal	3.90	1824	2230	2490	2754	3340	3500	3800
Crude Pipelines									
OIL	Duliajan-Digboi-Bongaigaon-Barauni	8.40	1193	5990	6000	6070	6220	6200	5800
IOC	Salaya-Mathura-Panipat(Inclgd Loop lines)	21.00	1870	20300	21910	21680	22650	22400	22700
IOC	Haldia-Barauni/Paradip barauni	11.00	1302	7040	7060	7240	8680	11600	12700
IOC	Mundra-panipat	8.40	1194	-	3460	6940	6910	7400	7100
ONGC	Mumbai High-Uran-Trunk Pipeline	15.63	204					8600	8900
ONGC	Heera-Uran-Trunk Pipeline	11.50	81					5530	4600
ONGC	Kalol-Nawagam-Koyali	8.54	141					5170	4600
ONGC	MHN-NGM Trunk Line	2.26	77					2180	2300
ONGC	CTF, Ank to Koyali Oil Pipeline (AKCL)	2.00	98					2090	1900
ONGC	Lakwa-Moran Oil Line	1.50	18					430	400
ONGC	Geleki-Jorhat Oil Line	1.50	48					650	600
ONGC	NRM to CPCL	0.74	6					240	200
ONGC	KSP-WGGS to TPK Refinery	0.08	14					30	40
ONGC	BUT-30 inch	6.38	203						200
ONGC	Akhajuni-Koyli Oil Pipeline	0.48	65						0
ONGC	GMAA EPT to S. Yanam Unloading Terminal	0.15	4					120	100
	Subtotal	99.56	6518	33330	38430	41930	44460	72640	72140
	Grand Total	174.96	19300	57964	68360	80845	89650	128240	131840

Notes: * 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	2010-11*
1	2	3	4	5	6	7
(a) From Crude Oil						
1. Light Distillates	32427	38104	40111	40222	51197	55197
of which						
LPG	5525	6315	6732	6996	8091	7538
Mogas	10502	12539	14167	16020	22537	26135
Naphtha	14509	16660	16440	14826	17105	17531
OthersLD	1891	2590	2772	2380	3464	3994
2. Middle Distillates	64432	71225	76649	80309	93790	99776
of which						
Kerosene	9078	8491	7794	8223	8545	7702
ATF/RTF/Jet A-1	6196	7805	9107	8071	9296	9570
HSD	47572	53465	58361	62889	73281	78053
LDO	923	803	671	606	472	578
OthersMD	663	661	716	520	2196	3874
3. Heavy Ends	22891	25931	28170	29985	34782	35391
of which						
Furnace Oil	10320	12325	12638	14749	15828	18659
LSHS/HHS/RFO	3985	3372	3166	2935	2518	1860
Lube Oils	677	825	881	874	950	737
Bitumen	3576	3891	4507	4713	4889	4478
Petroleum Coke	3182	3779	4129	4241	3709	2632
Paraffin Wax	63	63	64	69	64	179
Others Waxes	3	5	7	5	3	6
OthersHE	1085	1671	2778	2399	6821	6840
Total (1+2+3)	119750	135260	144930	150516	179769	190364
(b) From Natural Gas						
LPG	2185	2093	2060	2162	2243	2168

Note: Include RIL SEZ Production in 2009-10 & 2010-11

*: Provisional

Light Distillate: 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 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 Extract s .

Table -16. Oil and Oil and Gas Production Abroad

Sl. No.	Name of Project	2007-08 Actual	2008-09 Actual	2009-10 Actual	2010-11 Actual
1	2	3	4	5	6
Oil Production(MMT)					
1	GNOP, Sudan	2.981	2.443	2.126	1.802
2	MECL, Colombia	0.351	0.370	0.409	0.468
3	Sancristobal, Venezuela	0.000	0.671	0.704	0.757
4	IEC, Russia'	0.000	0.076	0.543	0.770
5	Sakhalin I, Russia	2.234	1.853	1.532	1.473
6	Block 5A, Sudan	0.294	0.285	0.247	0.226
7	Vietnam 06.1	0.029	0.046	0.042	0.038
8	AFPC, Syria	0.951	0.812	0.694	0.647
9	BC-10, Brazil			0.192	0.573
TOTAL-OIL		6.840	6.556	6.489	6.754
Gas Production(BCM)					
I	Sakhalin I, Russia	0.345	0.372	0.390	0.415
II	Vietnam 06.1	1.617	1.848	1.967	2.249
III	AFPC, Syria	0.000	0.000	0.024	0.015
TOTAL-GAS		1.962	2.220	2.381	2.679
Total O & OEG		8.802	8.776	8.870	9.433

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

ITEM	(Qty : '000' Tonne, Value : Rs.Crore)											
	2005-06		2006-07		2007-08		2008-09		2009-10		2010-11*	
	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value
1	2	3	4	5	6	7	8	9	10	11	12	13
GROSS IMPORTS												
A. Crude Oil	99409	171702	111502	219029	121672	272699	132775	348149	159259	375378	163594	455909
B. LNG	5060	3366	6810	5650	8320	7197	8060	9548	8828	10297	8949	12719
C. Petroleum Products												
I. Light Distillates	6181	14855	8005	21369	9485	29221	8002	27623	5195	15160	8500	30065
1. LPG	2883	7042	2278	5766	2832	8700	2360	7916	2718	7965	4484	15888
2. MS	486	1286	421	1326	328	1137	397	1530	385	1264	1702	6427
3. Naphtha	2331	5400	5306	14277	5983	18470	5023	17410	1734	4942	2063	6853
4. Propane/MTBE	481	1127	0	0	342	914	222	768	357	989	251	898
II. Middle Distillates	1846	4532	2392	6938	5443	17556	4201	16285	3519	9325	3364	11885
1. ATF	2	12	2	17	3	20	4	34	3	27	2	22
2. SKO	1044	2617	1423	4250	2489	8324	1423	6480	985	2909	1366	4895
3. HSD	800	1903	967	2671	2951	9212	2774	9772	2531	6390	1996	6969
III. Heavy Ends	5413	8585	7263	12853	7533	14223	6321	16936	5949	9268	5499	13862
1. FO / LSHS	1434	2099	2983	5174	1187	2211	1359	3059	762	1626	735	1745
2. Lubes / OthersHEI	3979	6486	4280	7679	6346	12012	4962	13877	5187	7642	4765	12117
Total(C)	13440	27972	17660	41160	22461	61000	18524	60846	14662	33754	17364	55812
Grand Total(A+B+C)	117909	203040	135972	265839	152453	340896	159359	418543	182749	419430	189907	524440
EXPORTS												
Petroleum Products												
I. Light Distillates	7769	17384	12344	32581	13937	42220	13147	43101	19804	61508	24408	87356
1. LPG	53	164	112	342	99	401	109	455	131	491	158	714
2. MS	2417	5843	3615	10191	4258	13614	5433	17779	9763	31170	13581	49446
3. Naphtha	5066	10787	8411	21431	9297	27365	7601	24849	9911	29848	10667	37184
4. Reformate	233	590	206	617	283	841	4	18	0	0	2	12
II. Middle Distillates	11453	26102	15171	39993	18931	54919	18471	63423	23094	64405	24991	85267
1. SKO	121	371	150	541	137	492	77	362	46	154	34	142
2. HSD/LDO	8504	18654	11369	29198	14308	40871	14693	49563	18461	50920	20479	68985
3. ATF	2828	7077	3652	10254	4486	13556	3701	13498	4588	13331	4478	16141
III. Heavy Ends	4239	6488	6109	8520	7911	13650	7284	15542	8076	18123	9734	23489
1. FO/LSHS	1815	2268	3759	4988	4718	6811	6201	12240	5173	10501	6735	15097
2. VGO/Lubes	993	1577	859	1826	1498	3236	262	1021	111	321	646	1893
3. Coke/Bitumen/ White Oil/Paraffin	339	302	66	77	409	614	177	391	324	619	644	904
4. Others	1092	2341	1425	1629	1286	2989	644	1890	2467	6683	1709	5596
Total	23461	49974	33624	81094	40779	110789	38902	122066	50974	144037	59133	196112
NET IMPORTS												
A. Crude Oil	99409	171702	111502	219029	121672	272699	132775	348149	159259	375378	163594	455909
B. LNG	5060	3366	6810	5650	8320	7197	8060	9548	8828	10297	8949	12719
C. Pol.Products	-10021	-22002	-15964	-39934	-18318	-49790	-20378	-61220	-36311	-110283	-41769	-140300
Grand Total	94448	153066	102348	184745	111674	230106	120457	296477	131776	275393	130774	328328

Notes:

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

*: Provisional.

Source: Petroleum Planning & Analysis Cell, New Delhi.

Table-18. Consumption of Petroleum Products

(000' Tonne)

Products	2006-07	2007-08	2008-09	2009-10	2010-11*
1	2	3	4	5	6
1 Light Distillates	37076	38557	39878	39086	41433
of which					
LPG	10849	12165	12344	13121	14328
Mogas	9286	10332	11258	12818	14192
Naphtha	13886	13294	13911	10239	10691
Others	3055	2766	2365	2908	2222
2 Middle Distillates	57595	62823	66378	71198	74949
of which					
SKO	9505	9365	9303	9304	8928
ATF	3983	4543	4423	4627	5079
HSDO	42896	47669	51710	56320	59990
LDO	720	667	552	457	455
Others	491	579	390	490	497
3 Heavy Ends	26078	27568	27343	27911	25402
of which					
Furnace Oil @	9257	9469	9419	9105	8896
LSHS/HHS	3361	3248	3169	2484	1982
Lubes/Greases	1900	2290	2000	2657	2508
Bitumen	3832	4506	4747	4919	4566
Petroleum Coke	5440	5950	6166	6750	5487
Paraffin Wax	303	241	203	211	190
Other Waxes	65	65	65	78	73
Others	1920	1799	1574	1707	1700
TOTAL	120749	128948	133599	138195	141784
Refinery Fuel	10920	11751	11912	11607	15873
Grand Total	131669	140699	145511	149802	157657

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 *: Provisional.

Source: Petroleum Planning & Analysis cell, New Delhi.

Table-19. Average Annual Compound Growth Rates of Sales of Petroleum Products

	(Percentage)							
	1974-79	1979-80	1980-85	1985-90	1992-97	1997-02	2002-07	2007-12
	V Plan	Annual	VI Plan	VII Plan	VIII Plan	IX Plan	X Plan	XI Plan
1	2	3	4	5	6	7	8	9
LPG	8.7	0.5	18.4	18.9	10.0	12.6	7.0	7.1
MS	-0.1	-0.6	6.9	10.9	6.8	7.2	5.8	10.3
Naphtha	10.4	-4.1	5.3	1.4	6.4	20.1	3.4	3.8
Others	-1.7	-8.7	1.2	14.2	7.2	38.7	N.A.	N.A.
Light Distillates	5.6	-2.7	7.2	8.3	7.5	15.3	N.A.	N.A.
ATF	8.2	-0.9	3.2	5.8	6.7	0.9	12.0	6.3
SKO	3.7	-2.0	9.0	6.7	3.9	0.5	-1.8	-2.7
HSD	9.8	13.5	6.9	8.6	9.1	0.9	3.3	8.0
LDO	-1.0	4.1	-1.1	4.4	-3.5	5.4	-14.7	-10.9
Others	0.0	12.3	0.2	3.0	8.8	5.2	N.A.	N.A.
Middle Distillates	6.7	7.6	6.6	7.7	7.4	1.0	N.A.	N.A.
Lubes	-2.3	4.0	3.2	6.9	1.7	2.3	10.8	5.9
FO/LSHS	2.4	6.2	2.3	2.1	4.6	2.4	-0.6	-3.9
Bitumen	-2.4	13.4	-2.6	12.6	5.9	2.6	8.2	5.4
Others	1.6	16.6	5.5	8.5	4.9	27.6	N.A.	N.A.
Heavy Ends	1.5	7.3	2.0	4.0	4.6	4.4	N.A.	N.A.
Total Sales	4.8	5.8	5.4	6.9	6.8	4.9	3.8	4.2

Note : Growth rates are based on consumption including private parties imports and for 2007-12 based on the consumption during 2007-08 to 2010-11

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	2010-11*
1	2	3	4	5	6	7	8
1.Total Sales	Mn. Tonne	113.21	120.749	128.95	133.60	138.20	141.79
2. Percentage Share							
IOC/AOD	%	40.8	44.20	44.95	45.9	46.1	47.1
BPCL	%	18.1	18.80	19.28	17.7	19.6	20.1
HPCL	%	16.2	16.30	17.11	19.7	17.6	18
Others (PSUs)	%	5.9	1.80	1.76	1.6	1.4	1.2
Private Parties /Imports	%	19.0	18.90	16.91	15.0	15.3	13.6
Total	%	100.0	100.0	100.0	100.0	100.0	100.0

Note: *: Provisional

Source: Petroleum Planning & Analysis Cell.

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

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

Period	Crude Oil (Indian Basket) .	Petrol	Diesel	Kerosene	LPG
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
2010-11	85.09	92.43	95.66	96.79	746.20

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 1.4.2011				(Number)
	IOCL/ AOD	HPCL	BPCL	TOTAL (Col.2-4)	Total as on 1.4.2010
	1	2	3	4	5
STATES					
Andhra Pradesh	1533	1004	837	3374	3069
Arunachal Pradesh	47	0	1	48	48
Assam	469	66	26	561	549
Bihar	998	283	372	1653	1549
Chhattisgarh	253	196	183	632	546
Delhi	201	98	110	409	407
Goa	24	34	42	100	96
Gujarat	958	498	470	1926	1837
Haryana	988	440	293	1721	1606
Himachal Pradesh	179	88	53	320	302
Jammu & Kashmir	193	112	99	404	386
Jharkhand	378	208	183	769	702
Karnataka	1273	721	591	2585	2382
Kerala	766	526	418	1710	1668
Madhya Pradesh	868	500	561	1929	1756
Maharashtra	1341	1095	1129	3565	3304
Manipur	55	0	2	57	57
Meghalaya	105	19	8	132	129
Mizoram	22	3	0	25	24
Nagaland	44	3	3	50	47
Orissa	549	221	282	1052	969
Punjab	1504	730	580	2814	2708
Rajasthan	1221	749	602	2572	2416
Sikkim	13	5	13	31	28
Tamil Nadu	1567	931	903	3401	3118
Tripura	43	0	0	43	42
Uttar Pradesh	2582	1086	975	4643	4395
Uttarakhand	205	124	84	413	382
West Bengal	966	410	432	1808	1737
UNION TERRITORIES					
Andaman & Nicobar	9	0	0	9	9
Chandigarh	20	11	10	41	40
Dadra & Nagar Haveli	8	6	1	15	13
Daman & Diu	11	7	3	21	19
Lakshadweep	0	0	0	0	0
Pondicherry	70	38	23	131	122
Grand Total	19463	10212	9289	38964	36462

Source: Public Sector Undertakings.

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

State / UT	As on 1.4.2011				(Number)
	IOCL/ AOD	HPCL	BPCL	TOTAL (Col.2-4)	Total as on 1.4.2010
	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	374
Chhattisgarh	61	39	9	109	109
Delhi	81	23	12	116	116
Goa	8	7	6	21	21
Gujarat	283	127	86	496	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	410	138	149	697	699
Uttarakhand	46	12	14	72	72
West Bengal	314	89	66	469	469
UNION TERRITORIES					
Andaman & Nicobar	1	0	0	1	1
Chandigarh	7	3	2	12	12
Dadra & Nagar Haveli	1	0	1	2	2
Daman & Diu	3	0	2	5	5
Lakshadweep	0	0	0	0	0
Pondicherry	3	5	0	8	8
Grand Total	3960	1638	1014	6612	6615

Source: Public Sector Undertakings.

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

State / UT	As on 1.4.2011				(Number)
	IOCL/ AOD	HPCL	BPCL	TOTAL (Col.2-4)	Total as on 1.4.2010
1	2	3	4	5	6
STATES					
Andhra Pradesh	433	376	242	1051	953
Arunachal Pradesh	31	0	0	31	30
Assam	232	15	23	270	257
Bihar	225	94	107	426	337
Chhattisgarh	94	60	29	183	154
Delhi	191	47	76	314	314
Goa	7	29	17	53	53
Gujarat	319	124	116	559	553
Haryana	148	66	86	300	291
Himachal Pradesh	96	17	12	125	126
Jammu & Kashmir	83	64	17	164	156
Jharkhand	97	38	32	167	147
Karnataka	227	180	124	531	493
Kerala	222	84	112	418	388
Madhya Pradesh	330	159	145	634	572
Maharashtra	261	440	413	1114	1028
Manipur	36	0	0	36	35
Meghalaya	34	0	0	34	32
Mizoram	28	0	0	28	27
Nagaland	31	0	0	31	29
Orissa	95	88	47	230	195
Punjab	266	82	107	455	438
Rajasthan	254	149	146	549	452
Sikkim	8	0	0	8	8
Tamil Nadu	426	140	172	738	696
Tripura	29	0	0	29	30
Uttar Pradesh	765	226	308	1299	1185
Uttarakhand	136	19	23	178	171
West Bengal	319	121	90	530	482
UNION TERRITORIES					
Andaman & Nicobar	5	0	0	5	4
Chandigarh	18	5	4	27	28
Dadra & Nagar Haveli	0	2	0	2	2
Daman & Diu	0	2	0	2	2
Lakshadweep	1	0	0	1	1
Pondicherry	9	6	4	19	17
Grand Total	5456	2633	2452	10541	9686

Source: Public Sector Undertakings.

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

('000' Number)

State / UT	As on 1.4.2011				Total as on 1.4.2010
	IOCL/ AOD	HPCL	BPCL	TOTAL (Col.2-4)	
1	2	3	4	5	6
STATES					
Andhra Pradesh	5272	5931	2839	14042	12736
Arunachal Pradesh	164	0	0	164	146
Assam	2140	39	96	2275	2184
Bihar	2120	601	566	3287	2918
Chhattisgarh	662	415	199	1276	1192
Delhi	2926	660	1030	4615	4429
Goa	11	294	162	467	436
Gujarat	3528	1351	1488	6367	5876
Haryana	1873	795	1237	3905	3645
Himachal Pradesh	1159	172	91	1422	1370
Jammu & Kashmir	443	988	149	1580	1497
Jharkhand	947	244	154	1345	1256
Karnataka	3234	2454	1796	7484	6791
Kerala	3604	1046	1974	6625	6218
Madhya Pradesh	2559	1444	1053	5056	4704
Maharashtra	1928	6897	7030	15855	14652
Manipur	254	0	0	254	240
Meghalaya	138	0	0	138	117
Mizoram	223	0	0	223	213
Nagaland	168	0	0	168	155
Orissa	702	763	357	1822	1648
Punjab	3276	1062	1274	5612	5321
Rajasthan	2510	1532	1560	5602	4865
Sikkim	141	0	0	141	130
Tamil Nadu	7796	1874	3379	13049	11736
Tripura	295	0	0	295	260
Uttar Pradesh	7745	1948	3318	13011	11826
Uttarakhand	1460	127	237	1824	1673
West Bengal	4134	1427	962	6523	5905
UNION TERRITORIES					
Andaman & Nicobar	59	0	0	59	68
Chandigarh	242	77	47	366	352
Dadra & Nagar Haveli	0	48	20	68	44
Daman & Diu	0	33	0	33	49
Lakshadweep	3	0	0	3	3
Pondicherry	116	117	78	311	297
GRAND TOTAL	61832	32339	31094	125266	114952

Source: Public Sector Undertakings.

Table-26. Compressed Natural Gas (CNG) Activities in India (as on 1.4.2011)

Item	Delhi		Maharashtra		Gujarat		Madhya Pradesh		Haryana		Andhra Pradesh		Tripura		Uttar Pradesh		Total						
	#	MGL	Pune	MNGL	Vado- dara	Surat	Ankle- shwar	Vijaypur	Dewas	Gwalior	Ujjain	Infore	Sonpat	Hydera Vihaya - Kakinada	Rajamun- dary	Agar- tala		Lucknow	Agra	Kanpur	Bareilly		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Station Type																							
Mother	99	12	3	0	2	3	1	1	1	0	0	1	1	0	1	0	0	1	2	1	1	1	131
Online	65	127		0	1	27	4	0	0	1	0	2	0	0	0	0	0	0	1	0	10	0	238
Daughter Booster	47	10	11	1	2	4	2	0	0	0	0	0	0	5	7	1	1	1	3	2	0	0	97
Daughter	2	0	0	0	0	0	1	0	0	0	2	5	0	0	0	0	0	0	1	0	0	0	11
Total	213	149	14	1	5	34	8	1	1	1	2	8	1	5	8	1	1	2	7	3	11	1	477
No. of Vehicles																							
Cars / Taxis	281802	66552	1399	38	984	70502	8465	25	77	50	0	2700	1150	364	566	46	12	362	488	50	3407	211	439250
Autos	121854	140533	12991	163	2327	50448	10630	0	29	350	2000	10500	10	2558	4272	20	34	3243	6747	6430	3618	3542	382299
LCV/RTVs	5389	2043		0	0	2994	146	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10677
Buses	16655	3720	115	2	72	584	62	1	2	9	40	109	2	0	293	0	0	30	755	567	847	35	23900
Others/Phaiphat	5681	1188		0	0	0	0	0	0	0	0	0	0	18	13	0	0	0	0	0	10056	1009	17965
Total	431381	214036	14505	203	3383	124528	19303	26	108	409	2040	13309	1162	2940	5144	66	46	3635	7990	7047	18033	4797	874091
Price (Rs./Kg)	29.00	31.84	37.5	41.00	32.05	35.25	35.25	38.00	38.00	46.00	46.00	45.00	34.20	40.00	30.00	35.00	35.00	28.00	39.00	39.00	39.00	39.00	39.00
Average Consumption																							
TPD	1706.06	940.37	35.70	0.44	21.89	216.23	34.92	0.10	0.79	0.75	4.50	41.35	7.68	6.01	26.46	0.02	0.09	9.85	56.85	30.46	57.33	13.95	
MMSCMD	2.24	1.31	0.05	0.00	0.02	0.31	0.05	0.00	0.00	0.00	0.01	0.06	0.01	0.01	0.04	0.00	0.00	0.10	0.082	0.042	0.08	0.02	

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

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 = 1.39 SCM of gas
3. GGCL : Gujarat Gas Company Ltd. 1 Kg = 1.45 SCM of gas
4. MNGL: Maharashtra Natural Gas Ltd 1 Kg = 1.41 SCM of gas
5. AGL: Aavantika Gas Ltd. 1 Kg = 1.33 SCM 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	2010-11*
1	2	3	4	5	6	7	8
Consumption (PSU/Pvt.)	(TMT)	10456	10849	12010	12191	13135	14328
LPG Customers (PSUs) @	(Lac)	891	949	1018	1068	1163	1269
LPG Distributors (PSUs) @	(No.)	9270	9363	9365	9366	9686	10541
LPG Markets (PSUs) @	(No.)	4288	4359	4393	4420	4599	4866
Enrolment	(Lac)	46.6	53.8	64.9	53.2	86.2	104.2
Indigenous Production (PSU/Pvt)	(TMT)	7717	8454	8868	9170	10336	9685
of which							
(a) Refineries	(TMT)	5532	6359	6743	7008	8087	7518
(b) Fractionators	(TMT)	2185	2095	2125	2162	2249	2167
Imports (PSU/Pvt.)	(TMT)	2883	2278	2833	2360	2718	4338
Bottling Capacity @	(TMT/PA)	8122	8448	8697	8967	11569	11889

Notes: *: Provisional

@: Year end position .

Source: PPAC

Table-28. Retail Selling Prices of Selected Petroleum Products in Metropolitan Cities in India

Cities/Town	MS (.....Rs./Litre.....)	HSDO (.....Rs./KL.....)	LDO\$ (.....Rs./KL.....)	FO\$	LPG (Rs. Per 14.2 Kg Cylinder)	(.....ATF.....) Domestic Airlines* (.....Rs./KL.....)	International Airlines
As on 1.10.2007							
Mumbai	48.41	34.96	30692.14	22003.71	298.00	29891.56	37390.00
Kolkata	46.90	32.88	32722.14	21128.32	300.50	33366.70	29100.59
Delhi	42.85	30.25	30899.64	N.A.	294.75	30124.20	27622.93
Chennai	47.48	33.31	34588.27	22637.16	288.10	30606.35	27038.37
As on 1.4.2008							
						Rs./KL	\$/KL
Mumbai	50.51	36.08	35079.15	30148.86	298.00	44153.26	1016.67
Kolkata	48.95	33.92	38462.88	28667.76	300.50	47688.12	1023.40
Delhi	45.52	31.76	35555.03	NA	294.75	44424.41	1023.40
Chennai	49.61	34.40	39454.13	28410.49	288.10	44822.97	1006.81
As on 1.4.2009							
Mumbai	44.55	34.45	34821.70	20404.58	312.05	30784.81	452.53
Kolkata	44.05	32.92	36765.92	19927.38	327.25	37744.02	499.19
Delhi	40.62	30.86	34413.45	NA	279.70	29925.97	458.44
Chennai	44.24	32.82	38166.91	19557.12	314.55	33306.77	453.22
As on 1.4.2010							
Mumbai	52.20	39.88	46586.94	32555.98	313.45	42159.48	689.78
Kolkata	51.67	37.99	50145.03	31155.92	328.70	49294.36	733.61
Delhi	47.93	38.10	46195.19	27920.00	310.35	40841.40	694.62
Chennai	52.13	38.05	51239.39	30766.62	315.95	45151.97	692.63
As on 1.4.2011							
Mumbai	63.08	42.06	61840.56	43214.20	348.45	47920.21	1011.81
Kolkata	62.51	40.06	66118.90	41002.11	365.10	53721.59	1056.37
Delhi	58.37	37.75	65614.63	NA	345.35	49297.77	1020.66
Chennai	61.93	40.16	68187.86	40583.86	352.35	49320.21	1016.40

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

Retail selling Prices of ATF for International Airlines base on \$/KL from 1.4.2008

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

Table-29. Wholesale Price Indices of Selected Petroleum Products

(2004-05 =100)

Products	Weight(%)	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11*
1	2	3	4	5	6	7	8
Light Distillates							
LPG	0.91468	106.10	106.10	106.10	117.23	111.85	125.90
Petrol	1.09015	113.63	125.31	119.12	128.32	119.33	143.02
Naphtha	0.79078	121.90	134.39	134.62	179.37	172.76	204.02
Middle Distillates							
Kerosene	0.73619	99.90	99.90	99.90	99.90	99.90	127.19
Aviation Turbine Fuel	0.25545	131.97	151.59	157.38	194.54	137.03	164.92
High Speed Diesel Oil	4.67020	119.70	130.19	125.57	135.82	132.97	151.72
Light Diesel Oil	0.11889	123.41	143.81	162.30	178.31	161.47	192.49
Heavy Ends							
Furnace Oil	0.46505	131.17	148.37	165.95	197.89	187.58	223.68
Lubricating Oil	0.16785	101.85	131.82	145.82	171.12	174.50	192.56
Bitumen	0.15515	107.76	157.77	179.15	257.00	238.04	249.42
All commodities	100.00000	104.47	111.35	116.63	126.02	130.81	143.32

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	LPG (Packed Domestic)	
	(Rs/Kilolitre)		14.2 Kg	5Kg
1	2	3	5	6
01.11.2002	639	385	16.33	8.40
01.04.2004	707	425	16.71	8.60
21.06.2005	778	467	16.71	8.60
01.08.2005	848	509	16.71	8.60
01.03.2007	894	529	19.05	9.81
16.05.2007	1024	600	19.05	9.81
23.05.2008	1052	631	20.54	10.58
27.10.2009	1125	673	21.94	11.30
07.09.2010	1218	757	21.94	11.30
01.07.2011	1499	912	25.83	13.30

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

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

Source: Petroleum Planning and Analysis Cell.

Table-31. Weighted Average Crude Oil Prices

		(Rs./MT)			
Year		Basic Price	Royalty	Cess	Sales Tax/VAT/CST
2005-06	Offshore crude	11811	1259	1945	563
	Onshore crude	7372	2818	1954	490
	Offshore and Onshore crude	10174	1834	1948	536
2006-07	Offshore crude	17856	1814	2601	824
	Onshore crude	14504	3110	2601	812
	Offshore and Onshore crude	16725	2251	2601	820
2007-08	Offshore crude	26668	2224	2500	869
	Onshore crude	24433	3707	2500	940
	Offshore and Onshore crude	25913	2714	2500	893
2008-09	Offshore crude	30507	2568	2500	878
	Onshore crude	28354	4335	2500	1091
	Offshore and Onshore crude	29796	3152	2500	948
2009-10	Offshore crude	26187	2128	2500	722
	Onshore crude	24233	3670	2500	931
	Offshore and Onshore crude	25530	2633	2500	791
2010-11	Offshore crude	31525	2664	2500	846
	Onshore crude	28829	4411	2500	1109
	Offshore and Onshore crude	30614	3255	2500	935

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 OIDB Cess of Rs.2500/MT, NCCD of Rs.50/MT and education cess @ 2% on OIDB 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 OID 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 OID cess and NCCD are also payable on crude.
- 2010-11 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 2010-2011, NCCD @ Rs. 50/MT and education cess @ 3% on OID 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

(All price in Foo' 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
01.04.2010	3200	1920	NA	3200	1920	NA	10000

Notes:

1. The consumer prices are exclusive of Royalty, Sales Tax and other Statutory Levies & Producer prices are exclusive of Royalty.
2. MoP&NG vide order dated 03Jun'10 has fixed the price of APM natural gas produced by National Oil Companies (NOCs) at US\$ 4.2 /mmbtu less royalty. Above price is effective for City Gas Distribution (CGD) entities from 08Jun'10 and for all other customers from 01Jun'10. Price in Rs./MSCM shall be calculated based on above prices in US\$/mmbtu and previous month's average RBI reference rate
3. W.e.f 6.6.2006 MoP&NG has revised the price of Natural Gas having allocation upto 0.05 MMSCMD & city gas distribution projects vide order dated 5.6.2006. The revised price is Rs 3840/MSCM.
4. As per the Govt. order dated 03Jun'10, the difference of APM gas consumer price in other than North East and in North East would be paid to ONGC through Government Budget.

Source: Petroleum Planning & Analysis Cell.

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

STATE	Crude Oil	Natural Gas	MS	HSD	(Percentage)							
					SKO PDS/ Indus.	LPG Dom./ Indus.	FO	LDO	Lubes/ Greases	Naphtha	ATF	Asphalt/ Bitumen
1	2	3	4	5	6	7	8	9	11	10	11	12
Andhra Pradesh	4	14.5	33	22.25	4/14.5	4/14.5	14.5	22.25	14.5	14.5	16	4
Arunachal Pradesh	NA	NA	20	12.5	4/12.5	4/12.5	12.5	12.5	12.5	12.5	20	4
Assam	5	12	27.5	16.5	2/12.5	4/9	4	16.5	13.5	13.5	22	4
Bihar			24.5	18.36	5/5	1/13.5	13.5	18.36	12.5	12.5	29	4
Chandigarh			20 or 22@	12.5	5/12.5	0/12.5	12.5	12.5	12.5	5	20	5
Chhattisgarh			25	25	4/14	0/14	5	25	14	14	25	5
Delhi			20	12.5	5/12.5	0/5	20	12.5	20	20	20	5
Goa			22	20	5/12.5	4/12.5	12.5	22	12.5	20	22	5
Gujarat	4	12.5+2.5%	23	21	0/25	0/12.5	4	12.5	17.5	16	30	4
Haryana			20+5%	8.8+5%	5/12.5	0/12.5	12.5+5%	8.8+5%	12.5+5%	20+5	20+5%	5+5%
Himachal Pradesh			25	14	0/13.75	4/13.75	13.75	14	13.75	5	25	5
Jammu & Kashmir			20	12	5/13.5	4/13.5	13.5	13.5	13.5	13.5	20+5%	5
Jharkhand			20	18	4/12.5	4/12.5	12.5	18	12.5	12.5	20	4
Karnataka			25	18	5/14	1/14	14	14	14	14	28	5
Kerala			29.3	24.93	4.04/12.63	4/12.63	12.63	47.62	12.63	4.04	29.04	4.04
Madhya Pradesh			28.75	23	5/13	5/13	13	13	13	13	28.75	5
Maharashtra	4	12.5	26.4	26	5/12.5	0/12.5	12.5	12.5	12.5	12.5	25	12.5
Manipur			20	13.5	5/5	4/13.5	13.5	13.5	13.5	NA	20	5
Meghalaya			20	12.5	5/13.5	4/13.5	13.5	12.5	13.5	NA	20	NA
Mizoram			18	10	0/0	2/8	20	10	10	NA	20	NA
Nagaland			20	12	5/15	4/12.5	12	12	12	12	20	12
Orissa			18	18	4/13.5	4/13.5	20	13.5	20	13.5	20	4
Punjab			27.5+10%	8.8 or 12.5@ +10%	12.5/10	4	5+10%	8.8+10%	12.5+10%	5+10%	20+10%	5+10%
Pondicherry			15	14	0/12.5	1/12.5	12.5	12.5	12.5	12.5	12.5	1
Rajasthan			5	18+5%	5/14	0/14	5	18	14	5	20	14
Sikkim			15	7.5	0/12.5	4/12.5	12.5	7.5	12.5	12.5	12.5	4
Sivassa			20	20	4/20	4/12.5	20	20	12.5	20	20	4
Tamil Nadu	4	4	27	21.43	4/25	4/12.5	4	25	12.5	4	29	4
Tripura			15	10	0/12.5	1.5/12.5	12.5	10	12.5	12.5	20	4
Uttar Pradesh			26.55	17.23	5/13.5	0/12.5	21	17.23	13.5	21	21	13.5
Uttarakhand			25	21	4.5/4.5	4/13.5	12.5	21	20	12.5	20	4.5
West Bengal			25	17	0/13.5	4/4	4	17	13.5	4	25	4

@20 % for normal and 22% for branded

Notes: Above taxes exclude other taxes payable / recoverable as on 1.4.2011.
Source: Public Sector Undertakings and Petroleum Planning and Analysis Cell.

Table -34: Central Excise and Customs Tarrif - 2010-11
As on 1st April,2011

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	Nil	Nil	5%+	Nil	Nil
	Rs. 2500/MT as Cess+	Nil	Nil	Rs. 50/MT	Nil	Nil
	Rs. 50/ MT as NCCD	Nil	Nil	as NCCD	Nil	Nil
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.	Nil	Nil	Nil
Naphtha -Non Fertilizers	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.2.60/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.	Nil	Nil	Nil
L.D.O.	14%+Rs. 2.50/Ltr	Nil	Nil	10%	14%+Rs. 2.50/Ltr	Nil
Furnace Oil - Non-Fert	14%	Nil	Nil	10%	14%	Nil
Fertilizers	Nil	Nil	Nil	Nil	Nil	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
LNG	NIL	Nil	Nil	5%	NIL	Nil
Natural Gas (Gasious State)	NIL	Nil	Nil	5%	Nil	Nil
Petroleum Jelly	14%	Nil	Nil	10%	14%	Nil
Waxes all types	14%	Nil	Nil	10%	14%	Nil
Petroleum Coke	14%	Nil	Nil	2.5%	14%	Nil
Bitumen & Asphalt	14%	Nil	Nil	10%	14%	Nil
LSHS/ HPS & other Res. (Non-F.)	14%	Nil	Nil	10%	14%	Nil
- Fertilisers	NIL	Nil	Nil	10%	NIL	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

Source: Petroleum Planning & Analysis Cell.

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	2010-11*
1	2	3	4	5	6	7
A. Excise Duties						
1. Motor Spirit	17554	18303	20102	21075	24809	26771
2. Kerosene Oil	212	236	241	281	223	283
3. Refined Diesel Oil	21773	24672	23848	21537	23130	30412
4. Diesel Oil (NES)	505	389	306	288	188	240
5. Furnace Oil	1756	1877	1985	2135	2446	2596
6. Pol. Products (NOS)	4623	4919	6313	6840	5822	6488
7. Petroleum Gases	319	454	570	595	705	896
8. Cess on crude oil	5007	7034	6866	6632	6688	8861
Total (A)	51749	57884	60231	59383	64012	76547
B. Custom Duties						
1. Crude Petroleum	7158	7583	9054	2768	1752	13207
2. Petroleum Products	4236	6426	9092	8406	6003	12863
Total (B)	11394	14009	18146	11174	7755	26070
Grand Total (A+B)	63143	71893	78377	70557	71767	102617
C. Other Non-Tax	6204	6336	6456	9423	10331	8555
Petroleum Revenue						

*Provisional

Notes:For Custom Duties, information from Delhi Air Cargo(Export) and Delhi air Cargo (Import) during November 2010 to March 2011, Sahar Cargo during December 2010 to March 2011 and Chennai Sea Port during March 2011 is not available

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

Central Plan Outlay of the P&NG	(Rs. in Crore)									
	Budget 2010-11		Revised Budget 2010-11		Budget 2011-12		Budget 2011-12		Budget 2011-12	
	Budget Support	I.E.B.R	Total	Budget Support	I.E.B.R	Total	Budget Support	I.E.B.R	Total	Total
1	2	3	4	5	6	7	8	9	10	10
All Heads of Accounts	37.00	69457.79	69494.79	37.00	68870.76	68907.76	39.00	74811.82	74850.82	
Total	37.00	69457.79	69494.79	37.00	68870.76	68907.76	39.00	74811.82	74850.82	

Demands for Grants of the Ministry of Petroleum & Natural Gas

Major Head	(Rs. in Crore)									
	Budget 2010-11		Revised Budget 2010-11		Budget 2011-12		Budget 2011-12		Budget 2011-12	
	Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total	Total
1	2	3	4	5	6	7	8	9	10	10
Revenue Section										
Secretariat-Economic Services	0.00	17.40	17.40	0.00	19.40	19.40	0.00	20.60	20.60	
Petroleum	37.00	3124.60	3161.60	37.00	38400.60	38437.60	40.00	23655.60	23695.60	
Total Revenue Section	37.00	3142.00	3179.00	37.00	38420.00	38457.00	40.00	23676.20	23716.20	
Capital Section										
Capital Outlay on Petroleum	0.00	0.00	0.00	0.00	101.53	101.53	0.00	0.00	0.00	
Total Capital Section	0.00	0.00	0.00	0.00	101.53	101.53	0.00	0.00	0.00	
Grand Total	37.00	3142.00	3179.00	37.00	38521.53	38558.53	40.00	23676.20	23716.20	

Notes: * = Receipts are netted for the purpose of exhibition in the Expenditure **. 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	2007-08	2008-09	2009-10	2010-11 BE	2010-11 RE	2011-12 BE
1	2	3	4	5	6	7
I. Total Central	70066	129333	141351	116224	164153	143570
Govt. Subsidies						
Food	31328	43751	58443	55578	60600	60573
Fertilisers	32490	76603	61264	49981	54977	49998
Pol Products	2820	2852	14951	3108	38386	23640
Other subsidies **	3428	6127	6692	7557	10191	9359
II. Pol Subsidy as % of Total Subsidy	4.02	2.21	10.58	2.67	23.38	16.47

Notes: *: Provisional

** Including Interest Subsidies

RE : Revised Estimate

Source: Ministry of Finance(Budget 2010-11)

BE : Budget Estimate

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

(Rs. Crore)

Years	PDS SKO			Domestic LPG			Total Subsidy
	Fiscal subsidy by Govt.	Under Recovery by Oil Companies	Total	Fiscal subsidy by Govt.	Under Recovery 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
2010-11*	931	19484	20415	1974	21772	23746	44161

*Provisional

Source: Budget document and Petroleum Planning & Analysis Cell

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

Name of the Public Enterprises	(Rs. in Crore)												
	Plan Outlay 2010-11 (R.E.)	Revised 2010-11			Plan Outlay 2011-12 (B.E.)	Budget 2011-12			Total				
		Internal Resources	Bonds/ Debentures	E.C.B./ Suppliers Credit		Other	Internal Resources	Bonds/ Debentures		E.C.B./ Suppliers Credit	Other		
1	2	3	4	5	6	7	8	9	10	11	12	13	
1. Balmer Lawrie and Company Ltd.	47.00	47.00	0.00	0.00	0.00	47.00	60.00	40.00	0.00	0.00	20.00	60.00	
2. Bharat Petroleum Corporation Ltd.	2814.31	0.00	1000.00	900.00	914.31	2814.31	2865.15	865.15	2000.00	0.00	0.00	2865.15	
3. Biecco Lawrie Ltd.	5.00	0.00	0.00	0.00	5.00	5.00	8.00	0.00	0.00	0.00	8.00	8.00	
4. Gas Authority of India Ltd.	5765.00	1765.00	1100.00	300.00	2600.00	5765.00	5150.00	1150.00	1500.00	1500.00	1000.00	5150.00	
5. Hindustan Petroleum Corporation Ltd.	4685.50	807.50	1000.00	1378.00	1500.00	4685.50	4003.00	1043.00	0.00	900.00	2060.00	4003.00	
6. Indian Oil Corporation Ltd.	12000.00	6494.00	2000.00	0.00	3506.00	12000.00	14500.00	6300.00	2000.00	0.00	6200.00	14500.00	
7. Chennai Petroleum Corporation Ltd.	866.88	264.17	0.00	0.00	602.71	866.88	1053.92	177.04	0.00	326.88	550.00	1053.92	
8. Numligarh Refinery Ltd.	158.51	93.51	0.00	0.00	65.00	158.51	100.47	100.47	0.00	0.00	0.00	100.47	
9. Oil & Natural Gas Corporation	29203.80	29203.80	0.00	0.00	0.00	29203.80	30040.02	30040.02	0.00	0.00	0.00	30040.02	
10. Oil India Ltd.	4212.99	4212.99	0.00	0.00	0.00	4212.99	3180.33	3180.33	0.00	0.00	0.00	3180.33	
11. Oil & Natural Gas Corporation-Videsh Ltd.	6620.85	6182.10	0.00	0.00	438.75	6620.85	8686.93	5238.68	0.00	0.00	3448.25	8686.93	
12. Manglore Refineries & Petro-Chemicals Ltd.	3671.00	3671.00	0.00	0.00	0.00	3671.00	5164.00	1164.00	0.00	0.00	4000.00	5164.00	
Total	70050.84	52741.07	5100.00	2578.00	9631.77	70050.84	74811.82	49298.69	5500.00	2726.88	17286.25	74811.82	

Source: Expenditure Budget 2011-12 (Vol.-I)

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

(Rs.Crore)						
Undertaking	2007-08 (Actual)	2008-09 (Actual)	2009-10 (Actual)	2010-11 (RE)	2010-11 (Actual)*	2011-12 (BE)
1	2	3	4	6	7	8
A. Exploration & Production	25151.06	42958.71	34320.55	44450.65	41815.95	48292.84
1. ONGC	17651.04	21820.11	23559.05	26523.02	28275.54	30040.02
2. OIL	1210.33	1631.89	1556.86	4464.98	1742.76	3180.33
3. GAIL (India) Ltd.^	1317.84	2716.24	3540.94	5271.80	4882.45	4527.56
4. ONGC Videsh Ltd.	4529.26	16104.90	4991.89	6620.85	5650.21	8686.93
5. IOC	218.24	195.59	222.22	335.00	371.91	600.00
6. HPCL	36.96	89.94	249.59	335.00	93.82	460.00
7. BPCL	187.39	400.04	200.00	900.00	799.26	798.00
B. Refining & Marketing	5088.66	9029.85	16969.54	21211.03	16362.09	24353.54
1. IOC	2487.27	5451.79	8767.69	10301.00	7227.84	13000.00
2. HPCL	1656.82	1204.69	2832.11	4350.50	3006.11	3541.00
3. BPCL	632.22	1575.60	2890.47	2122.00	1483.89	2067.15
4. CPCL	159.80	422.96	892.51	1059.90	674.78	1053.92
5. Numaligarh Refinery Ltd.	59.24	108.42	229.04	123.51	116.36	57.47
6. MRPL	93.31	266.39	1357.72	3254.12	3853.11	4634.00
C. Petrochemicals	2502.51	4818.51	3481.55	3157.08	2708.42	2097.44
2. MRPL	0.00	15.00	56.20	416.88	136.57	530.00
3. IOC	2436.08	4705.14	3266.25	2189.00	2231.27	900.00
4. CPCL	0.00	0.00	0.00	20.00	0.00	0.00
5. GAIL	31.33	70.09	159.10	493.20	317.70	622.44
6. HPCL	30.91	0.00	0.00	3.00	0.00	2.00
7. NRL	4.19	28.28	0.00	35.00	22.88	43.00
D. Engineering Unit	17.26	19.10	41.34	52.00	45.03	68.00
1. Balmer Lawrie & Co. Ltd.	17.26	19.10	41.34	47.00	45.03	60.00
2. Biecco Lawrie Limited	0.00	0.00	0.00	5.00	0.00	8.00
Total (A+B+C+D)	32759.49	56826.17	54812.98	68870.76	60931.49	74811.82

* Provisional

BE: Budget Estimates

RE : Revised Estimates

^Amount in E & P activities includes amount for pipelines network under 11th Plan Outlay.

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

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

(Rs.Crore)

Name of Undertaking	Paid-up Capital (PUC) 2010-11	Gross Turnover			Profit after tax		
		2008-09	2009-10	2010-11*	2008-09	2009-10	2010-11*
1	2	3	4	5	6	7	8
ONGC	4278.00	65049	61983	69532	16126	16126	18924
IOC	2427.95	330379	271074	328744.27	2950	10221	7445
GAIL(India) Ltd.	1268.48	24234	24996	32459	2804	3140	3561
HPCL	338.63	131803	108599	132669.97	575	1301	1539
BPCL	361.54	145392	131500	163218.21	736	1538	1547
OIL	240.45	7233	7905.55	8303.38	2162	2611	2888
EIL	168.47	1532	1994	2823.28	345	436	523
CPCL	149.00	36490	29184	38128.26	-397	603	512
NRL	735.63	8853	7874	8972.19	236	232	279
MRPL	1761.85	42719	36763	44035.87	1193	1112	1177
Grand Total	11730.00	793684	681871	828886	26730	37319	38394

*: Provisional.

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

Table-42. Trends in overall FDI Equity 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
<u>(Rupees in Million)</u>					
2005-06	245840	636	0.26	67.77	-87.72
2006-07	563900	4010	0.71	129.38	530.21
2007-08	986420	57290	5.81	74.93	1328.68
2008-09	1230250	19310	1.57	24.72	-66.29
2009-10	1231200	13280	1.08	0.08	-31.23
2010-11	885200	26210	2.96	-28.10	97.36
<u>(US \$ in Million)</u>					
2005-06	5540	14	0.26	72.10	-87.53
2006-07	12492	89	0.72	125.49	531.59
2007-08	24575	1427	5.80	96.73	1496.25
2008-09	27330	412	1.51	11.21	-71.12
2009-10	25834	272	1.05	-5.47	-33.98
2010-11	19427	574	2.95	-24.80	111.03

Table --43. Number of Persons Employed in Petroleum Industry

Sector	Year							
	2005	2006	2007	2008	2009	2010	2011	
1	2	3	4	5	6	7	8	
Exploration & Production	41415	39694	38948	33935	33612	33351	33984	
Refining	26859	30262	28151	30128	32745	34036	31836	
Marketing	40628	43317	42970	44995	42183	41387	44464	
Pipelines	7318	7816	7510	8933	4598	4563	5536	
Research & Development	2096	2071	2029	1964	2076	2133	2007	
Others	15055	15151	15707	20001	23759	24395	24102	
Total	133371	138311	135315	139956	138973	139865	141929	

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.