

INDIAN PETROLEUM & NATURAL GAS STATISTICS

1994-95

MINISTRY OF PETROLEUM & NATURAL GAS
GOVERNMENT OF INDIA
NEW DELHI

MINISTRY OF PETROLEUM AND NATURAL GAS

FOREWORD

The Ministry of Petroleum & Natural Gas has been bringing out the "Indian Petroleum & Natural Gas Statistics" since 1967 with the objective of providing data and information on all segments of the Petroleum and its related sectors in a comprehensive volume. The Publication provides information both on the basis of a financial year as well as a calender year for meeting the requirements of national and international users. This publication also provides information on the financial performance and the structure of Public Sector Undertakings under this Ministry during the period 1993-94 and 1994-95. The detailed work involved in the preparation of this volume has been done in the Economics & Statistics Division of the Ministry.

Comments and suggestions for making the information more purposeful and presentable will be highly appreciated.

(VIJAY L. KELKAR)

Secretery to the Government of India

Shastri Bhawan

New Delhi-110001.

June 1996

MINISTRY OF PETROLEUM AND NATURAL GAS
ECONOMICS AND STATISTICS DIVISION

PREFACE

The Economics & Statistics Division of the Ministry of Petroleum and Natural Gas has been bringing out a publication "Indian Petroleum & Natural Gas Statistics" since 1967. We are gratified that the publication has been well received by users from various sectors of the economy over the years. This Ministry has been updating the publication and incorporating new information on suggestions received from various users. An attempt has been made to provide in one place various information concerning petroleum and its related sectors. The Report as it stands today is a comprehensive document on petroleum statistics and the associated aspects of the national economy.

In compiling the information for this publication, the Ministry has been sourcing the same from various Ministries/Departments of the Government of India. The assistance and support in providing the updated information by the Union Ministries is gratefully acknowledged. All the Oil Companies including those in the upstream sectors such as ONGCL, OIL etc in association with Oil Coordination Committee (OCC) have been involved in updating various details and we wish to acknowledge their cooperation in this regard. We would especially like to mention the special efforts put in by Officials of the Economics & Statistics Division, especially Shri T.A. Basil, Assistant Director, and Shri D.C. Garg and Dr. P.G.S. Rao, both Senior Investigators, who were well supported by Miss Kanwaljit Kaur and Shri Ram Prakash, Junior Investigator and Computor respectively, in bringing out this publication.

We would appreciate any suggestions for improvement of the next edition of this volume.

Shastri Bhawan
New Delhi - 110 001
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Joint Secretary

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PART-I
PETROLEUM STATISTICS

PART-I
PETROLEUM STATISTICS

INDIAN ECONOMY—SELECTED INDICATORS

Indicator	Unit Base	1980-81	1985-86	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95*
1. **Geographical Area**	M.Sq. Km.	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.29
2. **Population**	Million	690	766	827	846	863	879	895	911
3. **Gross National Product at factor cost:**									
i. At Current prices	Rs.Crores	122772	232370	402931	470269	542691	618379	708504	839504
ii. At 1980-81 prices	"	122772	155365	198082	208481	209621	220108	230081	245603
4. **Net National Product** at factor cost:									
i.At current prices	Rs.Crores	110685	206133	357285	418074	479612	545434	626957	744663
ii. At 1980-81 prices	"	110685	139025	177315	186446	186191	195249	203486	217041
5. **Per Capita Net National Product:**									
i.At current prices	Rupees	1630	2730	4347	4983	5603	6255	7060	8237
ii. At 1980-81 prices	"	1630	1841	2157	2222	2175	2239	2292	2401$
6. **Foreign Exchange Reserves**									
i. Gold+	Rs. Crores	225.6	274.3	280.7	6828.3	9038.8	10548.8	12794.1	13751.8
ii. SDR	Mn. of SDRs	490.5	115.1	81.9	75.9	65.7	12.7	76.5	22.8
iii. Foreign Exchange	Rs. Crores	4822.1	7384.4	5787.2	4388.1	14578.0	20140.5	47287	66006
7. **Foreign Trade**									
i. Import	Rs. Crores	12549	19658	35328	43198	47851	63375	72806	88705
ii. Export	"	6711	10895	27658	32553	44041	53688	69547	82338
iii.Balance of Trade	"	-5838	-8763	-7670	-10645	-3810	-9687	-3259	-6367
8. **Index of Production**									
i. Agricultural	O	102.1	119.5	143.0	148.4	145.5	151.5	156.9	164.1
ii. Industrial	1980-81=100	100.0	142.1	196.4	212.6	213.9	218.9	232.0	251.9
9. **Wholesale Price Index**	**1981-82=100**		125.4	165.7	182.7	207.8	228.7	247.8	274.7
10. **Consumer Price Index**									
i. Industrial Workers	1982=100		126	173	193	219	240	258	279
ii. Agricultural Labourers	1960-61=100	395	546	746	803	958	1076	1114	1204
iii.Urban non-manual employees	1984-85=100		107	145	161	183	202	216	232
11. **Employment: @@**									
i. Public Sector	Million	15.48	17.68	18.76	19.06	19.21	19.33	19.45	19.29
ii. Private Sector	"	7.40	7.37	7.58	7.68	7.85	7.85	7.93	8.12
Total	"	22.88	25.05	26.34	26.74	27.06	27.18	27.38	27.41
No. of persons on live register of employment exchange	Million	16.20	27.03	33.25	34.89	36.55	36.31	36.04	N.A.
12. **Energy Generation (Gross)**									
Coal	Mn. Tonnes	113.91	154.20	200.89	211.73	229.29	238.26	246.00	253.85
Lignite	"	5.11	8.05	12.64	14.11	15.97	16.62	16.90	17.20
NaturalGas	Mn. Cub. Mtr.	2358	8134	16988	17998	18645	18060	18335	19388
Crude Oil	Mn. Tonnes	10.51	30.17	34.09	33.02	30.35	26.95	27.03	32.23
Petroleum Products	"	25.35	42.37	51.37	51.27	52.21	54.44	55.31	57.40
13. **Electricity**									
i. Utilities									
Hydel	B. KWH	46.5	51.0	62.1	71.5	72.5	69.8	70.3	82.5
Thermal	"	61.3	114.4	178.7	186.5	208.6	224.5	247.6	262.9
Nuclear	"	3.0	5.0	4.6	6.2	5.6	6.8	5.4	5.6
Total	"	110.8	170.4	245.4	264.2	286.7	301.1	323.3	351.0
ii. Non-utilities	"	8.4	13.0	23.0	25.1	28.6	30.2	32.3	34.7
GRAND TOTAL	"	**119.3**	**183.4**	**268.4**	**289.4**	**315.6**	**331.6**	**355.6**	**385.7**

*: Provisional. Source: Economic Survey 1995-96 @@:As on 31st March.

O : Triennium ending 1981-82 N.A.: Not available. $: Quick estimate.

+ : Gold is valued at Rs. 53.58 per 10 gms upto May 1 966 and at Rs. 84.39 per 1 0 gms upto Sep. 1990 and closer to international market price w.e.f Oct. 17, 1990.

GROWTH OF INDIAN PETROLEUM INDUSTRY AT A GLANCE

	Unit	1980-81	1985-86	1990-91	1991-92	1992-93	1993-94	1994-95*
1. **Reserves @** (Balance Recoverable)								
(i.) Crude Oil	Mn. Tonnes	366	500	739	806	801	779	765
(ii.) Natural Gas	Bn. Cub. Mtr.	352	479	686	730	735	718	707
2. **Consumption**								
(i.) Crude Oil (in terms of refinery crude throughput)	Mn Tonnes	25.84	42.91	51.77	51.42	53.48	54.30	56.45
(ii.) Petroleum Products (excl. RBF)	"	30.90	40.87	55.04	56.97	58.90	60.81	65.31
3. **Production**								
(i.) Crude Oil	"	10.51	30.17	33.02	30.35	26.95	27.03	32.23
(ii.) Petroleum Products	"	24.12	39.88	48.56	48.35	50.36	51.08	52.84
4. **Imports & Exports**								
(i.) Gross Imports:								
(a) Qty.: Crude Oil	"	16.25	15.15	20.70	23.99	29.25	30.82	27.35
Pol. Products	"	7.29	3.86	8.66	9.45	11.28	12.08	13.95
Total (a)	"	23.54	19.01	29.36	33.44	40.53	42.90	41.30
(b) Value: Crude Oil	Rs. Crores	3349	3687	6118	7820	10686	10689	10316
Pol. Products	"	1917	1274	4660	5218	6360	7041	7522
Total (b)	"	**5266**	**4961**	**10778**	**13038**	**17046**	**17730**	**17838**
(ii.) Exports:								
(a) **Qty.:** Cnude Oil	Mn. Tonnes	-	0.53					
Pol.Products	"	0.04	1.96	2.65	2.94	3.72	4.03	3.25
Total (a)	"	**0-04**	**2.49**	**2.65**	**2.94**	3.72	**4.03**	**3.25**
(b) Value: Crude Oil	Rs. Crores	-	135					
Pol. Products	"	8	510	1004	1215	1606	1509	1587
Total (b)	"	**8**	**645**	**1004**	**1215**	**1606**	**1509**	**1587**
(iii.) Net Imports:								
(a) **Qty.:** Crude Oil	Mn. Tonnes	16.25	14.62	20.70	23.99	29.25	30.82	27.35
Pol.Products	"	7.25	1.90	6.01	6.51	7.56	8.04	10.70
Total (a)	"	23.50	16.52	**26.71**	**30.50**	**36.81**	**38.86**	**38.05**
(b)Value:Crude Oil	Rs.Crores	3349	3552	6118	7820	10686	10689	10316
Pol. Products	"	1909	764	3656	4004	4753	5532	5934
Total (b)	"	5258	4316	9774	11824	15439	16221	16250
(iv.) Unit Value of Crude Oil imports (gross)	Rs/MT	2061	2435	2956	3260	3653	3468	3772
5. **India's Total Exports**	Rs. Crores	6711	10895	32553	44041	53688	69547	82338
6. **Pol. Imports as percentage of India's total exports**								
(i.) Gross Imports	%	78.5	45.5	33.1	29.6	31.8	25.5	21.7
(ii-) Net Imports	%	78.3	39.6	30.0	26.8	28.8	23.3	19.7
7. **Contribution of Oil Sector to Centre/State Resources**								
(i.) Royalty from crude oil	Rs.Crores	41	379	2028	910	2079	1284	1561
(ii.) Royalty from gas	"	3	22	138	214	209	238	224
(iii.) Oil Development Cess	"	60	866	2782	2501	2192	2175	2646
(iv.) Excise & Custom duties	"	1570	3768	9179	9337	10322	11847	12614
(v.) Sales Tax	"	628	1564	3653	4727	5541	6274	7386
(vi.) Generation of internal resources	"	359	2358	3021	2822	3894	N.A.	N.A.
(vii.) Corporate Tax/Others	"	76	740	646	748	709	799	N.A
8. **Natural Gas:**								
(i.) Gross Production	Mn. Cu. Mtrs.	2358	8134	17998	18645	18060	18335	1938*
(ii.) Utilisation	"	1522	4950	12766	14441	16116	16340	17339

@: As on Ist Jan. of first year. N.A.: Not available. *Provisional.

Note: Imports of petroleum products exclude inports made by private companies.

Highlight of Indian Petroleum Industry during the year 1994-95

The crude oil production in 1994-95 was 32.23 million tonnes as against 27.03 million tonnes achieved in 1993-94. This exhibits an increase of 19.2%. The consumption of petroleum products during 1994-95 was 65.49 MMT which is 7.7% higher than the previous year's demand of 60.81 MMT.

The gap between demand and supply of crude oil was met by the imports. The country imported 27.35 million tonnes of crude oil during 1994-95 as against import of 30.82 million tonnes in the previous year. The total refinery capacity of 13 refineries was 56.40 million tonnes. The throughput processed in these refineries was 56.45 million tonnes in 1994-95, exhibiting capacity utilisation of 100%.

Country produced 19.4 billion cubic meters (BCM) of natural gas. Out of this 2 BCM was flared up. Of the total production of natural gas 14.14 BCM was from offshore basin and 5.24 BCM was from onshore basins.

The performance of the public sector undertakings during the year was impressive as the overall profit before tax during the year was Rs. 5531 crores and after tax Rs. 4640 crores compared to profit of Rs. 4824 crores and Rs. 4025 crores respectively in the year 1993-94.

During the year 1994-95 Oil and Gas was found in 7 places out of which it was found at 5 places in Bombay Offshore, one each in K.G. offshore and Cauvery onshore.

The IBP Co. have commenced marketing of High performance and state of Art Lubricants of caltex brand introduced in the country by our Joint Venture Company (JVC), namely IBP-Caltex Ltd.

A low smoke semi synthetic 2 stroke engine oil under brand name HP Super Synth 2T was launched by HPCL during June'94 which was the first product to be awarded JASO FC certification.

MOU was signed between IOC and MRL for setting up an EOU refinery project at Nagapatinam, Tamil Nadu. HPCL is the first amongst the major oil companies to have made its maiden public issue of 173.50 lacs equity shares of Rs. 10 each alongwth detachable tradable warrants, comprising of 135.45 lacs shares of Rs. 10 each.

II. CHRONOLOGY OF IMPORTANT EVENTS IN THE INDIAN PETROLEUM INDUSTRY DURING 1994-95

A. EXPLORATION AND PRODUCTION

1. Oil India Limited.

April'94	One Gas Storage Compressor was commissioned at well 50.
	A documentary on "Conservation of Energy" was produced by O.I.L.
May'94	Crude oil supply line to Digboi Refinery was shutdown due to heavy deposition of wax.
June'94	The heaviest load (435 tonnes) of 13.3/8" casing so far in OIL's history was lowered and landed at 4303 M at LOC.KUG.
	Blow out occured at an exploratory well, HJL (Kathaloni-9) which subsequently caught fire completely damaging the charter hire rig.
July'94	For the first time in OIL's operational area an indigenous BHEL make battery operated mini bus was commissioned at Duliajan.
September'94	Two Gas Storage Compressors were commissioned at Kathalguri GCS.
October'94	Commissioned formation water separation facility at Dikom OCS.
December'94	Gas was struck in a new fault black well No. Hapjan-26 (LOC.HJW) in the NOrthern part of Hapjan.
January'95	GRD EPS for Kathaloni fields was commissioned at location HJN.
	For the first time in Rajasthan project, a full tanker load (about 9 tonnes) of crude oil was produced from well BGW 4 (LOC RBF) during the production testing.
February'95	A paper "3 D view from closely spaced 2D data" presented by two of our Geophysicists at the AEG Conference held at Bangalore bagged the HBR Rao "Gold Medal".
	Oil was struck in a well NHK-75 in Bordubi area during w/o operation.
	LOI for offshore turnkey contract awarded.
March'95	One cased hole and one open hole logging units with tools and accessories were commissioned.
	Presence of hydrocarbon has been established during wireline logging survey in well No. NHK-490 (LOC.HLF) in Bhekulijan structure.

2. Oil & Natural Gas Corporation Ltd.,

April'94	Oil found in GS-23-1 in K.G. offshore.
	Oil found in B-15-2 well of Bombay offshore.
	SHG process platforms with highest gas compression capacity of 15 MMSCMD was commissioned.
	24" dia SCA-SHG low pressure gas transfer line was commissioned resulting in improved utilisation of gas from SCA platform.
May'94	Effluent treatment plant (ETP) at Tatipaka in K.G. Project with a designed capacity of 60 M^3/day was commissioned.
	An 18" dia Neelam-HUT oil line was commissioned.
June'94	NLP process platform part of Neelam process complex was commissioned.
	An 18" dia gas pipeline connecting Neelam process to Heera-Uran Trunk pipeline was commissioned.
July'94	NLW water injection platform a part of Neelam process complex was commissioned.
	A 12" dia Hazira to Ankleshwar pipeline which enables supply of high pressure gas to Ankleshwar for gas lift operations was commissioned.
August'94	A new well platform LE under L-II development project was put on production, contributing 4000 BOPD approximately.

	A 12" dia pipeline for transportation of treated effluent from WIP Lakwa Colony to WIP-3 near Lakwa GGS-6 was commissioned. These treated effluents are now used for water injection.
	Regular water injection facility at Panser in WRBC commenced.
September'94	In Cauvery project, pumping of crude oil from Adiyakamangalam-GGS to Narimanam-GGS through 4" pipeline commenced.
	A new GGS in Gandhar field (Gujarat) was commissioned.
October'94	Mandapetta Gas Collecting Module (GCM) with a capacity of 4.6 Lak M^3/day was commissioned.
	Sour EPS at Narimanam in SRBC was commissioned.
	Effluent treatment plant at Kalol GGS-III with a designed capacity of 1100 M^3/day was commissioned.
	Gas struck at perungulam-1 in Cauvery offshore.
Nomvember'94	An 18" dia, 11 KM long oil collector pipeline from GGS-III to Central Processing Facility (CPF) in Gandhar was commissioned. The pipeline facilitates the transportation of crude oil through a shorter route. It also reduces back pressure in the system as oil was earlier transported through 8"/12" pipeline.
December'94	SHW water injection process platform project, located in Bombay High south was completed.
	Gas was found at C-37-1 in Bombay Offshore.
January'95	Oil and gas were struck at WO-16-1 and B-153-1 in Bombay Offshore.
	Well platform HSA in south Heera field was put on production.
	Desalter plant at Nawagam was commissioned. This was resulted in improved crude quality from North Gujarat and South Gujarat.
	Effluent Treatment Plant (ETP) at Santhal in WRBC commissioned.
February'95	Two LP compressors (under gas flaring reduction project) at GGS-V, Lakwa in ERBC project were commissioned.
	With the commissioning of 18" Gandhar-Jhanor gas line by GAIL, gas supply to M/s NTPC started.
March'95	ONGC's first Extended Reach Drilling (ERD) well LA #8 in Bombay High was put on production.
	Gas was found in WO-15-1 of Bombay Offshore.

3. ONGC Videsh Ltd. (ONGC Overseas)

The retention of acreage of about 900 sq. kms. in block of vietnam offshore, encompassing Lan Tay/Lan DO and PLD fields was approved as producible area after expiry of Exploration Phase-II.

MOU with command Petroleum Holding NL Australia for cooperation in obtaining petroleum rights from appropriate authorities in the other countries of interest was signed in November'94.

The Board of Directors approved taking over of operatorship from British Petroleum in Block 06 for the acreage to be retained at the end of Exploration phase-II.

The proposal for purchase of UNOCOL's equity in East Shabwa Contract Area (ESCA), onland Yemen was received from M/s Command Petroleum Holding.

In January 1995, the Board of Directors approved the proposal of farm-in by ONGC Videsh Ltd. for the North Zaafarana Concession Area (excluding warda Development Lease Area) held by British Gas, Egypt.

4. Gas Authority of India Limited

1994-95	During the year, GAIL has earned the profit after tax Rs. 367.63 crores against target of Rs. 253.39 crores i.e. 145% of the target.
	During 1994-95 the company made gas sales 38.15 MMSCMD against target of 36.17 MMSCMD i.e. 104% of the target.
	The GAIL has produced 422.76 thousand tonnes of LPG/SBP/propane during the year as against the target of 395.49 thousand tonnes i.e. 107% of the target.
	The uninterrupted supply of gas 8760 hours against a target of 8585 hours i.e. 102% of the target has been done by GAIL during the year.
	The following pipelines were commissioned during the year:
April'94	Phase-I pipeline of Gamnewala-Ramgarh pipeline was commissioned for supply of gas to RSEB at Ramgarh. This is the first pipeline to be constructed in the desert.
August'94	4", 5 kms pipeline for supply of gas to M/s Kothari Sugars, Pondy chem and silicate India was commissioned in Cauvery Basin.
September'94	4", 15 kms pipeline to Regency Ceramics was commissioned in K.G. Basin.
October'94	The longest river crossing by SDD method for 18" and above dia pipeline in the world across the Gautami-Godavari river in K.G. Basin was completed.
March'95	20 kms of 18" dia and 10 kms of 6" dia pipelines for supply of gas to MRL's LPG plant in Cauvery Basin was completed.

B. REFINING

1. Bharat Petroleum Corporation Ltd., Bombay

1994-95	During the month of June 1994, the refinery commenced the production of low lead motor spirit with a lead content of 0.15 grams per litre (maximum). This was in line with Govt. Policy to market free lead MS and it was introduced in all the four metropolitan cities.
	The refinery received the "Award of Merit" from the National Safety Council, USA for 1993 for reduction in the accident rate.

2. Bongaigaon Refinery & Petrochemicals Limited, Assam

May'94	BRPL launched a new petrochemical products namely Ceeseven.
September'94	As a part of modernisation of instrumentation, Distributed Digital Control System in the units of captive power plant commissioned.
November'94	The company commenced commercial production of LPG.
	LPG recovery, storage and despatch facilities commissioned.
	BRPL achieved highest ever turnover of Rs. 730 crores and highest ever net profit of Rs. 61 crores during the year.
	During the year the refinery achieved lowest fuel and loss of 6.63% of crude in the refinery sector.
	The refinery has also achieved the highest production of HSDO, ATF, MS, Ceenine Solvent, Polyester Staple Fibre and Methanol during the year 1994-95.
	An employee of BRPL was conferred "Shram Shri Award" for the year 1994 by the Prime Minister of India.
January'95	The refinery signed an agreement with M/s Indian Institute of Petroleum (IIP), Dehradun for pilot plant project for recovery of Alpha Olefins from Coker streams.
February'95	Two projects viz., Expansion of DMT plant and modernisation of PSF plant was approved and is presently under implementation.

3. Cochin Refineries Limited, Cochin

April'94 — Expenditure Finance Committee (EFC), Government of India cleared the proposal submitted by the Ministry of Surface Transport for increasing the draft of channel leading to Cochin Oil Terminal (COT) to facilitate bringing larger crude parcels.

September'94 — The Annual General Meeting of the shareholders was held and it has approved payment of dividend at the rate of 26% to the shareholders.

December'94 — Crude oil was taken in the new crude unit commencing the commissioning activities. The debottlenecked secondary processing facilities, commissioned in June 1994, is now working at the design capacity. With this commissioning, the installed capacity of CRL has gone up to 7.5 MMTPA.

It is pertinent to mention here that the Capacity Expansion Project was commissioned well ahead of the scheduled commissioning date of June 1995 and at a saving of about Rs. 40 crores from the approved cost of Rs. 481.24 crores.

FCC throughput of 118,949 MT for the month was a record, the previous best being 105,443 MT during the month of October 1994.

LPG production of 22,202 MT for the month was a record, the previous best being 21,029 MT in October 1994.

January'95 — Bitumen production of 17,800 tonnes during the month was a record, the previous best being Rs. 14,218 tonnes achieved during the month of March 1994.

Board of Directors for exploring the feasibility of setting up a gross-root refinery in India with Kuwait Petroleum Company has been submitted to the Ministry for approval.

February'95 — Sulphur Recovery Unit forming part of the Capacity Expansion Project was commissioned.

During the year 1994-95 the refinery set records in the following areas:

For the seventh consecutive year, the refinery could achieve over cent percent capacity utilisation for 4.5 MMTPA unit.

The cumulative crude throughput for the year was 5.14 million tonnes against the OEB target of 4.65 million tonnes and MOU target of 4.75 million tonnes.

The refinery could, for the fourth year in succession, achieve the MOU "Excellent" rating.

CRL set records in the following four operating areas:

— Crude throughput 5.14 MMT previous best 5.12 MMT

— LPG production 0.190 MMT previous best 0.185 MMT

— MS production 0.505 MMT previous best 0.502 MMT

— LSHF HSD production 0.055 MMT previous best 0.045 MMT

CRL started production and marketing of Mineral Turpentine Oil (MTO).

Dosing of multifunctional Additive (MFA) to MS, as part of energy conservation and environmental protection started.

4. Hindustan Petroleum Corporation Ltd.

June'94 — The corporation signed on MOU with the Ministry of Petroleum for the year 1994-95. This was the fourth MOU to be signed since 1991-92.

It is remarkable to note that during the year 1994-95, the corporation's actual performance vis-a-vis MOU targets once again falls under the "Excellent" category for the fourth consecutive year.

November'94

The corporation announced a bonus issue of 2:1 during September 1994 capitalising a sum of Rs. 127.68 crores out of its free reserves, and the bonus shares were allotted.

HPCL is the first amongst the major oil companies to have made its maiden public issue of 173.50 lacs equity shares of Rs. 10 each along with detachable tradable warrants, comprising of 135.45 lacs shares of Rs. 10 each at a premium of Rs. 330 per share to Indian Public/NRIs/ shareholders/employees and 38.05 lacs shares of Rs. 10 at a premium of Rs. 380 per share to Financial Institutions/Mutual Funds aggregating to Rs. 608.93 crores. The public issue was over-subscribed and the allotment of the shares has been completed.

March'95

Under the disinvestment programme of Government of India, 39.69% of the paid up equity capital of the corporation stands disinvested including 2.753% equity disinvested in favour of the employees of the corporation as on 31.3.95.

During the year, HPCL has achieved the highest ever sales turnover of Rs. 13329 crores as compared to Rs. 11942 crores during 1993-94 reflecting an increase in over 11.62%.

Highest ever net profit of Rs. 391.29 crores has been registered in 1994.95.

The internal resources generated were the highest ever at Rs. 566 crores as compared to Rs. 423 crores in the previous year, representing an increase of 33.8%.

During the year 1994-95 the combined throughput of Bombay and Visakh refineries was 10.25 million tonnes representing a capacity utilisation of 102.5%.

Bombay Refinery achieved highest ever LPG production of 113.5 thousand tonnes during 1994-95 as against the earlier highest of 103 thousand tonnes in 1993-94.

Visakh refinery achieved highest ever crude throughput of 5 million tonnes representing a capacity utilisation of 111%. This refinery also achieved highest ever productionof LPG (137.91 thousand tonnes), petrol (525.1 thousand tonnes), kerosene (681.6 thousand tonnes), HSDO (1868 thousand tonnes) and JBO (11.8 thousand tonnes).

Pre-PIB meeting for stage-II clearance of the project was held in December 1994 for expansion in capacity to 7.5 MMTPA. The PIB has cleared the proposal on 25th May 1995 and recommended to CCEA.

The following major projects were completed during the year 1994-95.

—Lube base stock Augmentation Facilities at Bombay refinery at a cost of Rs. 232 crores. With the expanded capacity of 335000 TPA, HPCL has 45% of the total lube base stock production capacity in the country.

—Modernisation of instrumentals and controls (Distributed Digital Control System) at Bombay Refinery at a cost of Rs. 34.23 crores.

—Conversion of Phenol Extractions unit at Bombay Refinery, at a cost of Rs. 25.69 crores to improve lube refinery yields and to use an environment firendly solvent.

—Sulphur Recovery Unit, a pollution abatement project at Visakh Refinery at a cost of Rs. 24.88 crores.

—Preheat Optimisation Project at Bombay Refinery at a cost of Rs. 13.10 crores.

Joint Venture Projects

The JVC project with M/s Indian Rayon Industries Ltd., and its associated group of companies for setting up a 3 MMTPA grassroot refinery (MRPL) at Mangalore is as per schedule. MRPL plans to extend its capacity from 3 MMTPA to 6/9 MMTPA. Stage-I clearance from the Government of India for this expansion has been received. DFR for stage-II has been submitted.

A Joint Venture Company (JVC) with M/s Oman Oil Company is for setting up a 6 MMTPA refinery (Hindustan Oman Petroleum Co. Ltd.) on the West Coast of Maharashtra is under process. The project is estimated to cost Rs. 4407 crores at December'1994 prices and will be financed with a debt-equity rates of 2:1 having 26% equity participation from each of the promoters and balance 48% from the public. The PIB has cleared the proposal on 25.5.95 and recommneded to CCEA.

HPCL has entered into a Joint Venture agreement in November 1994 with M/s Colas, SA, France, Pioneers and world leaders in Bitumen emulsions and road construction for manufacture and marketing of Bitumen emulsions in India. HPCL and Colas will have equal equity participation in the JVC. The JVC will set up a bitumen emulsion plant of 20000 TPA capacity at Vashi, New Bombay. The plant is expected to be commissioned in November 1995.

HPCL alongwith IOC and BPC is in the process of forming a Joint Venture Company with equal equity participation for integrating downstream activities with the upstream exploration and production activities.

HPCL and M/s Exxon Corporaiton, one of the World's leading oil company signed on MOU on May 12, 1994 leading to a licensing and marketing agreement executed on February 24, 1995. This agreement will facilitate HPC to blend and market within India, Esso Lubricants and other speciality products.

The total amount spent by HPCL in welfare of Weaker sections/community welfare was Rs. 46.61 lakhs, during 1994-95.

5. Indian Oil Corporation Ltd.

(a) Refineries

(i) Assam Oil Division, Digboi, Assam

March'95 — Raw Water Treatment and DH water plants forming part of Digboi Refinery Modernisation Project was commissioned.

(ii) Guwahati Refinery, Guwahati, Assam

1994-95 — During the year, the refinery won the British Safety council Award for 1993 and OISD Safety Award for 1992-93 for Refinery installations.

June'94 — High Naphtha processing in kerosene treating unit was started for production of high aromatics solvents and HSD component of higher cetane.

(iii) Barauni Refinery, Barauni, Bihar

April'94 — Slack Wax production by direct processing in solvent dewaxing unit by passing the phenol extraction unit commenced thereby reducing operating cost.

As a part of value addition, blending of imported SKO (Ex-HBPL) with SK-Kero was started thereby saving operating cost of kerosene treating unit.

May'94 — Heavy Naphtha processing in Kerosene treating unit started on regular basis for minimising TEL consumption for MS and Centane improver for HSD.

July'94 — New CFR engine in chemical laboratory was successfully commissioned with inhouse expertise, thereby saving US$ 17930.

Tank wagon unloading facilities for crude oil were commissioned.

December'94 — New DM pant was commissioned.

(iv) Gujarat Refinery, Koyali, Gujarat

June'94 — New Desalter in AU-III and new air preheater in AU-1 were commissioned.

August'94 — Supply of LSHS to GSFC through pipeline was commissioned.

November'94 — ATF was successfully produced from hydrocracker.

February'95 — New fully automated tank wagon gentry (Sixth Gentry) was commissioned.

(v) Haldia Refinery, Haldia, West Bengal

April'94 — Sulphur Recovery Unit was commissioned for pollution abatement.

October'94 — Crude despatch by T/W Barauni Refinery commenced.

March'95	Extension of bitumen loadng bays by 4 No. were completed and commissioned.
	(vi) Mathura Refinery, Mathura, U.P.
June'94	Low lead MS (0.15 gm/litre) was produced and introduced in Delhi w.e.f. 6.6.94.
December'94	Naphtha Tank Truck loading facility was commissioned.
March'95	Supplies of unleaded MS for Delhi started on 8.3.95.
	(vii) Panipat Refinery Project
April'94	Government accorded approval for delayed coking unit and selection of M/s UOP as process licensor for treating unit.
	(viii) Eastern India Project
December'94	Stage-I clearance for the project received from Government of India.
	(ix) Business Development and Consultance
August'94 to March '95	P.xylene/PTA plant at Panipat identified to be an att4active project in Joint Venture.
	MOU was signed with Madras Refineries on 21.1.95 for setting up of an Export Oriented Unit (EOU) Refinery at Nagapattinam in Tamil Nadu.
	(b) Pipelines Division
	IOC Ltd. has been adjudge the winner of OISD award for 1992-93 for its safety performance amongst all the cross country pipeline.
April'94	Government of India accorded first stage clearance on project proposal of Paradeep-Diatari crude oil pipeline.
May & June'94	Mandatory crude oil tank's 8 and 9, having capacity of 65,000 Kls each commissioned at Viramgam on 29.5.95 and 22.6.95 respectively.
September'94	Erection of all nine nos. of line balancing tanks at Panipat of total capacity 1,78,000 Kls completed.
December'94	Supply of imported mainline pipes for KBPL completed.
	ISO-9002 Certification
	The following pipeline installations have received ISO-9002 certification during the year.
	MJPL - 27.07.94
	SMPL- 19.12.94
	KAPL- 29.12.94
	BKPL-01.02.95
	HMRB-01.02.95
March'95	In 1994-95, the pipelines registered the highest overall throughput of 24.018 MMT, an increase of 5% over the MOU target of 22.882 MMT and also an increase of 1.54% over the previous year's throughput of 23.653 MMT.
	6. Madras Refineries Limited, Tamil Nadu
May'94	MRL received the "Sword of Honour", the Oscar of the safety world, from the British Safety Council for the fourth time.
July'94	MRL received the Rawa crude.
	The refinery signed MOU with Ministry of Petroleum & Natural Gas for the year 1994-95. The refinery also signed an MOU with IOC to collaborate in the implementation of a wide range of projects.

August'94 MRL's marketing outlet for food grade Hexane inaugurated at Pondicherry.

October'94 MRL's Cauvery Basin Refinery received ISO-9002. This is the first Indian Refinery to achieve this distinction.

November'94 MRL paid Rs. 19.32 crores to Government of India towards dividend.

January'95 MRL signed an agreement with TIDCO/TEAM for purchase of one million gallons per day of industrial grade water from the Sea Water Desalination Plant to be set up by TIDCO/TEAM.

The refinery also signed an MOU with Petroleum Nasional Berhad (Petronas), Malaysia for setting up facilities for handling bottling and marketing of LPG in South India.

MRL signed another MOU with CEA India Inc. (A subsidiary of CEA, NJ, USA) to examine the feasibility of setting up a Joint Venture to own and operate a power project near Madras.

February'95 MRL's 0.5 MMTPA Cauvery Basin Refinery was dedicated to the nation by the Union Minister for Petroleum and Natural Gas.

C. MARKETING

1. Bharat Petroleum Corporation Ltd., Bombay

August'94 The corporation took immediate steps to implement the following three suggestions put forward by majority of the Customers.

—Launch of the first ever co-branded "the Bharat BOB card" with Bank of Baroda and Visa International.

—Tie up with Pepsi Foods Ltd. for soft drinks at BPC retail outlets.

—Tie up with Appllo Tyres to provide and maintain.

During the year, 58000 K1 of tankage was commissioned at various locations including two company operate Depots at Banthara (Uttar Pradesh) and Mysore (Karnataka) and a pipeline at Rajbandh (West Bengal).

2. Hindustan Petroleum Corporation Ltd.

During the financial year 1994-95, the company achieved the highest ever sales volume of 12.588 million tonnes reflecting a growth of 4.8% over the previous year. During 1994-95, 109 new retain outlets have been commissioned, being the highest number of retail outlets commissioned in any year during the last decade, taking the total to 4154.

Bombay Pune pipeline achieved the highest ever throughput of 3.35 million tonnes during the year 1994-95 exceeding MOU target of 3.20 million tonnes in "Excellent" category.

June'94 A low smoke Semi Synthetic 2 stroke engine oil under brand name HP suger synth 2T was launched during June 1994 which was the first product to be warded JASO FC certification.

February'95 The proposal envisages laying of a 356 Km 18" pipeline from Visakh to Vijayawada for transportation of Pol. products. PIB was held in February'95 for stage-II and recommended to CCEA (GOI has approved the project on June 20, 1995).

3. IBP Company Limited

During the year the company's sales of POL products are 2.99 MMT, which is 1.7% more than sales in the previous year. During the year the company have commissioned 52 Nos. retail outlets and 5 Nos. SKO-LDO dealerships, which are more than the targets of 20 Nos. and 2 Nos. respectively.

The company have achieved 4.58% sales (Market share) during the year 1994-95 as against the MOU garget of 4.25%.

The IBP Co. Ltd. have commissioned storage tank of 3500 Kls. capacity for unleaded petrol at Wadala, Bombay. Retail outlets of all oil companies in and around Bombay would be supplied unleaded MS from this storage facility.

November'94 The Company have formed a Joint Venture alongwith Indian Oil corporation Ltd. for development of infrastructure for storage of Pol. products in collaboration with oil tanking, Singapore. The JVC singed an MOU.

	The company have transferred its Lube Oil Blending Plant located at Budge to its Joint Venture Company (JVC), IBP-Caltex Ltd. for blending and packaging of state-of-art lubricants of Caltex brands indigenously.
	The company have commenced marketing of High performance and state-of-art lubricants of Caltex brand introduced in the country by our JVC with Caltex Petroleum Corporation of USA in Southern and Eastern Regions during the year.
March'95	The company also commissioned storage facility of 12700 Kls of Pol. products in Amausi, Lucknow.
	4. Indian Oil Corporation Limited
May'1994	Construction of additional tankage (10,000 Kl) at Biswasan Terminal completed.
	Shirur Depot with a tankage of 8936 Kl was commissioned in Maharashtra.
June'94	Construction of new depot with a tankage of 37844 Kl at Irugur (Coimbatore) was completed.
September'94	Renewed and extended the MOU with M/s Essar Oil Ltd. till 8.9.96, on marketing of petroleum products to be produced by Essarb Refinery at Gujarat.
	MOU signed between IOC and Mobil Petroleum Co. Inc. USA, to form a joint venture company-Indomobile for importing, blending and marketing of Mobil brand lubricants in India.
	Commissioned Mobile Refuelling facilities at Hubli and Kota for NEPC Airlines.
	Construction of new depot (11,400 Kl) at Mysore completed.
October'94	Construction of new depot at Ahmedhagar (20280 Kl) completed.
November'94	MOU signed between IOC, IBP and Oil Tanking GmbH in Bombay for development of infrastructure facilities at Indian ports and possibly thereafter at inland locations in India. The 3 companies will later set up a joint venture company.
December'94	Commissioned LSHS tankage at Mangalore Terminal.
	Comissioned Naphtha tank truck loading facilities at Mathura, Koyali and Panki.
	Baitalpur Depot & Devanguti Terminal commissioned.
January'95	MOU signed between IOC, Petrodyne Ind. and Petro Energy Products Co. Ltd. for marketing of petroleum products from their proposed 100% Export Oriented Unit (EOU) Refinery at Karaikal, Pondicherry.
	MOU signed between IOC and Madras Refineries Ltd. for setting up of a fire and Safety Research Academy at Sadayankuppam Village near Manali.
	MOU signed between IOC and MRL for setting up an EOU refinery project at Nagapattinam, Tamil Nadu.
	Additional tankage of 10,000 Kl for TNEB completed at Korukkupet.
February'95	MOU signed with M/s Aban Loyd Chiles Offshore Ltd. (ALCO) for marketing of products produced by their proposed refinery at Tuticorin.
	Construction of new depot at Gonda (11157 K1) completed.
	Construction of new depot at Nazibabad (2800 K1) completed at a cost of Rs. 18 crores.
	Construction of new depot at Shahajahanpur (28050 K1) completed at a cost of Rs . 18 crores.
	Additional tankage of 30,000 K1 completed at Haldia at a cost of Rs. 4.58 crores.
	Modernisation of small can filling plants at Khapri & Tadepalli completed..

D. RESEARCH & DEVELOPMENT ACTIVITIES

1. Indian Institute of Petroleum, Dehradun

April'94 — IIP-IFP process on pyrolysis gasoline hydrogenation was licensed to NOCIL.

Process on improved LPG stoves was licensed to 71 firms who are already in the manufacturing of the stoves.

May'94 — Basic engineering packages on antioxidants (PTBP & BHT) was handed over to Tria Fine Chem. Bombay.

July'94 — An agrement was signed between IIP and BPCL for the development of sweetening catalyst.

February'95 — The process for the manufacture of IIP wick stove have been licensed to Ashoka Home Appliances, Rajkot and Gorani Industries, Indore.

The process on improve LPG stove have been licensed to 71 firms.

The process on improved Hurricane Lantern was licensed to Ashoka Home Appliances, Rajkot.

IIP-IFP process on Naphtha hydrotreater and catalytic reformer was licensed to Essar Oil, Madras.

2. Indian Oil Corporation Ltd. Research & Deveplopment Centre, Faridabad

1994-95 — A new generation all purpose G-92 Grease based on novel chemistry of titanium complex has been developed for the first time in the World. The grease has shown excellent performance in high temperature areas, during field trails. The process has been patented in many countries.

Newly developed gear oil has shown a energy savings of the order of 5% in terms of kwh and 9.24% in terms of kwh\ton of the materials processed during the trial runs. The product has since been commercialised.

For use in coal mines, three grades of fire resistance hydraulic fluids have been developed. Formulation have since been issued for commercialisation.

New grades of HLP hydraulic oils meeting DIN 51524 part 2 specification has been developed.

Fuel economy of Servo superior XEE-10W-40 and 10W-30 was established over existing grade Servo superior 20W-40. The former showed fuel economy improvement in range of 1.85% to 3.5%.

Two stroke engine oil meeting JASO-FC specifications has been developed.

Fourteen different FCC catalyst from MR & JR and 10 from HPCL were evaluated using the simulation model at R&D Centre. Best performing catalyst were recommended to the refineries.

A batch fluidsed Bed Regenerator (BFR) has been designed & fabricated and commissioned for regular use.

A new rust preventive oil for Nippon Denro Ispat Ltd. has been developed and commisioned.

Ten MOU projects achieved 87.25% against specified 65% target and 80 formulation developed 100% achievement.

IOC R&D Centre was awarded ISO-9001 by RWTUV Germany on 12.12.94.

iii INDIAN PETROLEUM INDUSTRY PROGRESS AT A GLANCE (1947-48 - 1994-95)

Year	Balance of recoverable Reserves @ Crude oil (MMT)	Natural gas (Bn.M3)	Crude oil production (MMT)	Natural gas Production (Bn.M3)	Refinery crude Th' Put (MMT)	Refinery production (MMT)	Consumption * (MMT)	Gross Imports Crude Oil (MMT/Rs.Crores)	Gross Imports POL products (MMT/Rs.Crores)	Net Imports Crude oil/ POL Products Oty. (MMT)	Net Imports Crude oil/ POL Products Value (Rs. Crores)	c.i.f. unit value of crude Imports (Rs. MT)	India's total Imports/ Exports Imports (Rs.Crores)	India's total Imports/ Exports Exports	%age of POL Imports to India's Exports	Central excise & Custom duties on Pol. (Rs. Crores)	Index of Self Reliance
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.
1947-48	4	3	.25	NA	.25	.23	2.72	-	2.36	NA	NA	-	NA	NA	NA	NA	9%
1950-51	4	2	.26	NA	.26	.23	3.46	-	3.11	NA	NA	-	NA	NA	NA	NA	7%
1960-61	45	22	.45	NA	6.13	5.78	7.99	5.71	2.22	7.71	43	68	NA	NA	NA	NA	5%
1970-71	128	62	6.82	1.4	18.38	17.11	17.91	11.68 (107)	1.09 (30)	12.43	132	92	1634	1535	8.9%	638	36%
1975-76	144	88	8.45	2.4	22.28	20.83	22.45	13.62 (1052)	2.22 (204)	15.67	1242	772	5265	4036	31.1%	1155	35%
1976-77	275	185	8.90	2.4	23.00	21.43	24.10	14.05 (1176)	2.62 (248)	16.60	1417	837	5074	5142	27.7%	1275	35%
1977-78	303	228	10.76	2.8	24.90	23.22	25.54	14.51 (1246)	2.88 (308)	17.34	1546	859	6020	5408	28.7%	1343	38%
1978-79	347	266	11.63	2.8	25.97	24.20	28.24	14.66 (1251)	3.88 (430)	18.49	1677	853	6811	5726	29.4%	1549	38%
1979-80	354	344	11.77	2.8	27.47	25.79	29.88	16.12 (2188)	4.72 (1082)	20.76	3246	1357	9143	6418	51.0%	1690	37%
1980-81	366	352	10.51	2.4	25.84	24.12	30.90	16.25 (3349)	7.29 (1917)	23.50	5258	2061	12549	6711	78.5%	1570	30%
1981-82	469	411	16.19	3.9	30.15	28.18	32.52	15.39 (3736)	4.88 (1453)	19.29	4978	2442	13608	7806	66.5%	1693	45%
1982-83	470	420	21.06	4.9	33.16	31.07	34.66	16.95 (4044)	5.03 (1554)	16.83	4401	2386	14293	8803	63.6%	1860	55%
1983-84	526	475	26.02	6.0	35.26	32.89	35.84	15.97 (3541)	4.33 (1271)	13.30	3224	2217	15832	9771	49.2%	2488	66%
1984-85	511	478	28.99	7.2	35.56	33.23	36.80	13.64 (3430)	6.09 (1915)	12.32	3527	2515	17134	11744	45.5%	2921	70%
1985-86	500	479	30.17	8.1	42.91	39.88	40.87	15.14 (3687)	3.87 (1274)	16.52	4316	2435	19658	10895	45.5%	3768	69%
1986-87	558	497	30.48	9.8	45.70	42.76	43.66	15.48 (2120)	3.05 (653)	16.03	2362	1370	20096	12452	22.3%	4089	65%
1987-88	581	541	30.36	11.5	47.75	44.73	46 42	17.73 (2986)	4.15 (1024)	18.47	3362	1684	22244	15674	25.6%	6105	61%
1988-89	638	579	32.04	13.2	48.80	45.70	50.09	17.81 (2861)	6.50 (1560)	2202	3897	1606	28235	20231	21.9%	6748	59%
1989-90	726	648	34.09	17.0	51.94	48.69	54.10	19.49 (4090)	6.56 (2255)	23.46	5648	2099	35412	27681	22.9%	8093	59%
1990-91	739	686	33.02	18.0	51 77	48.57	55.04	20.70 (6118)	8.66 (4660)	26.71	9775	2956	43193	32553	33.1%	9179	56%
1991-92	806	730	30.35	18.6	51.42	48.35	56.97	24.00 (7820)	9.44 (5218)	30.50	11824	3260	47851	44041	29.6%	9337	50%
1992-93	801	735	26.95	18.1	53.48	50.36	58.90	29.25 (10686)	11.28 (6360)	36.81	15439	3653	63375	53688	31.8%	10322	43%
1993-94	779	718	27.03	18.3	54.30	51.08	60.81	30.82 (10689)	12.08 (7041)	38.86	16221	3468	72806	69547	25.5%	11847	41%
1994-95(P)	765	707	32.24	19.4	56.45	52.84	65.31	27.35 (10316)	13.95 (7522)	38.05	16250	3772	88705	82338	21.7%	12614	46.0%

N.A=Not available (P) = Provisional @ = As on 1st January of initial year * = Excluing RBF.

IV COMMODITY BALANCE OF CRUDE PETROLEUM AND PETROLEUM PRODUCTS

(MILLION TONNES)

Items	1970-71	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	i988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1. CRUDE																					
1. RefineryThru' put	18.4	22.3	23.0	24.9	26.0	27.5	25.8	30.2	33.2	35.3	35.6	42.9	45.7	47.8	48.8	51.9	51.8	51.4	53.5	54.3	56.5
2. Domestic Production	6.8	8.4	8.9	10.8	11.6	11.8	10.5	16.2	21.1	26.0	29.0	30.2	30.5	30.4	32.0	34.1	33.0	30.3	27.0	27.0	32.2
(a) Onshore	6.8	8.4	8.5	8.7	8.3	7.3	5.5	8.2	8.2	8.6	8.9	9.4	9.9	10.2	10.9	12.4	+1.8	11.4	11.2	11.6	12.0
(b) Offshore	-		0 4	2.1	3.3	4.4	5.0	8.0	12.9	17.4	20.1	20.8	20.6	20.2	21.1	21.7	21.2	19.0	15.8	15.4	20.1
3. Imports	11.7	13.6	14.0	14.5	14.7	16.1	16.2	15.3	16.9	16.0	13.7	15.1	15.5	17.7	17.8	19.5	20.7	24.0	29.2	30.8	27.4
4. Exports	-	-	-	-	-	-	-	0.8	4.5	5.5	6.5	0.5	-	-	-	-	-	-			
5.Net-import(3-4)	11.7	13.6	14.0	14.5	14.7	16.1	16.2	14.5	12.4	10.5	7.2	14.6	15.5	17.7	17.8	19.5	20.7	24.0	29.2	30.8	27.4
II. PRODUCTS																					
1. DomestcConsumption @	17.9	22.4	24.1	25.5	28.2	29.9	30.9	32.5	34.7	35.8	38.8	40.9	43.7	46.4	50.1	54.1	55.0	57.0	58.9	60.8	65.3
of which																					
(a) Naphtha	0.9	1.8	2.2	2.3	2.5	2.4	2.3	3.0	3.0	2.8	3.1	3.1	3.2	2.9	3.4	3.4	3.4	3.5	3.4	3.2	3.4
(b) Kerosene	3.3	3.1	3.3	3.6	4.0	3.9	4.2	4.7	5.2	5.5	6.0	6.2	6.6	7.2	7.7	8.2	8.4	8.4	8.5	8.7	9.0
(c) High Speed Diesel	3.8	6.6	7.1	7.7	8.6	9.8	10.3	10.8	12.0	12.6	13.7	14 9	16.0	17.7	18.8	20.7	21.1	22.7	24.3	25.9	28.3
(d) FuelOils	47	5.8	5.7	5.8	6.7	7.1	7.5	7.2	7.3	7;6	7.9	7.9	8.0	8.1	8.5	8.8	9.0	9.2	9.3	9.2	9.9
2. Domestic Production	17.1	20.8	21.4	23.2	24.2	25.8	24.1	28.2	31.1	32.9	33.2	39.9	42.8	44.7	45.7	48.7	48.6	48.3	50.4	51.1	52.9
ot which																					
(a) Naphtha	1.2	1.9	2.0	2.1	2.3	2.4	2.1	3.0	3.0	3.6	3.5	5.0	5.4	5.5	5.4	5.2	4.9	4.5	4.6	4.7	5.7
(b) Kerosene	2.9	2.4	2.6	2.5	2.5	2.5	2.4	2.9	3.4	3.5	3.4	4.0	4.9	5.1	5.2	5.7	5.5	5.3	5.2	5.3	5.3
(c) High Speed Diesel	3.8	6.3	6.4	7.1	7.4	8.0	7.4	9.0	9.8	10.9	11.1	14.6	15.5	16.3	16.7	17.7	17.2	17.4	18.3	18.8	19.6
(d) Fuel Oils	4.1	5.1	4.7	5.3	5.6	6.4	6.1	6.9	8.0	8.0	7.9	8.0	8.0	8.5	8.9	9.0	9.4	9.6	10.4	10.3	9.8
3. Imports	1.1	2.2	2.6	2.9	3.9	4.7	7.3	4.9	5.0	4.3	6.1	3.9	3.1	3.9	6.3	6.5	8.7	9.4	11.3	12.1	14.0
4. Exports @	0.3	0.2	0.1	0.1	0.1	0.1	Neg.	0.1	0.8	1.5	0.9	2.0	2.5	3.4	2.3	2.6	2.7	2.9	3.7	4.0	3.3
5. Net Imports (3-4)	0.8	2.0	2.5	2.8	3.8	4.6	7.3	4.8	4.2	2.8	5.2	1.9	0.6	0.5	4.0	3.9	6.0	6.5	7.6	8.1	10.7

• Provisional Neg. Negligible

= Excluding Refinery Fuel Consumption

@ = Exluding supplies of POL Products to Nepal from 1970-71 to 1982-83

V. GROWTH OF PETROLEUM INDUSTRY IN INDIA
(Calender Year)

(000 TONNES)

Year	Crude oil		Petroleum Products	
	Production	Refineries Crude Throughput	Production	Consumption
1	2	3	4	5
1960	451	6091	5747	7964
1965	3022	9754	9113	12356
1970	6809	18459	17172	18816
1971	7185	19588	18225	20706
1972	7373	19672	18198	22675
1973	7198	20518	19089	23726
1974	7490	20783	19241	23023
1975	8283	21835	20368	23541
1976	8659	22762	21188	24897
1977	10185	24430	22795	26570
1978	11271	25626	23877	28894
1979	12839	28153	26360	31306
1980	9399	25075	23597	31633
1981	14925	29528	27575	34037
1982	19734	32107	29984	35403
1983	25148	34534	32298	37223
1984	27933	35235	32963	39934
1985	29860	41226	38264	42973
1986	31157	44940	41877	45483
1987	30142	47445	44583	48048
1988	31580	47896	44730	51308
1989	33685	51974	48724	55801
1990	33311	51671	48402	57943
1991	31007	50954	47916	58462
1992	27874	54254	51041	62092
1993	26508	53509	50396	62836
1994(P)	30905	56407	52872	64280

(Rs. Crores)

Year	GROSS IMPORTS			EXPORTS/RE-EXPORTS			NET POL IMPORTS (Col. 8-11)
	Crude oil	Product	Total	Crude oil	Products	Total	
	6	7	8	9	10	11	12
1960	40.57	41.02	81.59	-	4.61	4.61	76.98
1965	40.38	44.73	85.11	-	3.92	3.92	81.19
1970	9.36	30.53	132.89	-	5.72	5.72	127.17
1971	139.88	43.49	183.37	-	2.55	2.55	180.82
1972	44.25	56.69	200.94	-	8.94	8.94	192.00
1973	244.56	88.03	332.59	0.42	5.35	5.77	326.82
1974	899.36	209.90	1109.26	-	19.37	19.37	1089.89
1975	992.02	199.46	1191.48	-	13.83	13.83	1177.65
1976	1145.56	219.70	1365.26	-	7.60	7.60	1357.66
1977	1258.92	272.99	1531.91	-	6.50	6.50	1525.41
1978	1243.89	414.13	1658.02	-	4.20	4.20	1653.82
1979	1787.38	727.56	2514.94	-	14.94	14.94	2500.00
1980	3038.66	1788.28	4826.94	-	17.98	17.98	4808.96
1981	3793.83	1638.58	5432.41	-	15.13	15.13	5417.28
1982	4116.89	1551.37	5668.26	1044.71	101.23	1145.94	4522.32
1983	3471.47	1246.60	4718.07	1041.87	286.64	1328.51	3389.56
1984	3525.15	1850.31	5375.46	1598.55	271.63	1870.18	3505.28
1985	3808.74	1440.70	5249.44	503.88	482.06	985.94	4263.50
1986	2069.65	818.06	2887.71	-	389.32	389.32	2498.39
1987	3105.25	884.69	3989.94	-	662.07	662.07	3327.87
1988	2811.28	1273.36	4084.64	-	472.85	472.85	3611.79
1989	3718.63	2106.33	5824.96	-	654.84	654.84	5170.12
1990	5929.62	3541.64	9471.26	-	941.40	941.40	8529.86
1991	6827.57	5533.55	12361.12	-	1041.13	1041.13	11319.99
1992	10432.44	5711.16	16143.60	-	1658.33	1658.33	14485.27
1993	10916.90	7107.23	18024.13	-	1547.22	1547.22	16476.91
1994 (P)	9915.10	7438.77	17353.87	-	1580.74	1580.74	15773.13

* Including Refinery Fuel(P) = Provisional

GROWTH OF PETROLEUM INDUSTRY IN INDIA
(Financial Year)

(000 TONNES)

Financial Year	Crudeoil		Petroleum Products	
	Production	Refineries Crude Throughput	Production	Consumption*
1	2	3	4	5
1960-61	448(e)	6130	5777	8285
1965-66	3473	10233	9561	12437
1970-71	6822	18379	17110	19135
1971-72	7299	20042	18639	21299
1972-73	7321	19328	17830	22978
1973-74	7189	20958	19495	23574
1974-75	7684	21094	19603	23302
1975-76	8448	22283	20829	23673
1976-77	8898	22995	21432	25400
1977-78	10763	24898	23219	26990
1978-79	11633	25974	24193	29719
1979-80	11766	27474	25794	31323
1980-81	10507	25836	24123	32261
1981-82	16194	30146	28182	34107
1982-83	21063	33156	31073	36395
1983-84	26020	35263	32926	37776
1984-85	28990	35556	33236	40828
1985-86	30168	42910	39881	43363
1986-87	30480	45699	42761	46274
1987-88	30357	47754	44728	48938
1988-89	32040	48803	45699	52882
1989-90	34087	51942	48690	56779
1990-91	33021	51772	48562	57745
1991-92	30346	51423	48349	59603
1992-93	26950	53482	50359	61655
1993-94	27026	54296	51084	63648
1994-95(P)	32239	56534	52927	68624

(Rs. Crores)

Year	GROSS IMPORTS			EXPORTS/RE-EXPORTS			NET POL IMPORTS
	Crude oil	Products	Total	Crude oil	Product	Total	
	6	7	8	9	10	11	12
1960-61	39.23	39.84	79.07		4.40(e)	4.40	74.67
1965-66	39.62	40.68	80.30	-	4.39	4.39	75.91
1970-71	106.72	29.91	136.63	-	4.67	4.67	131.96
1971-72	147.02	46.98	193.90	-	3.91	3.91	189.99
1972-73	146.37	60.58	206.95	-	8.16	8.16	198.79
1973-74	416.39	124.50	540.89	0.42	8.05	8.47	532.42
1974-75	916.99	195.00	11111.99	-	17.46	17.46	1094.53
1975-76	1051.76	204.34	1256.10	-	13.96	13.96	1242.14
1976-77	1175.91	248.23	1424.14	-	6.89	6.89	1417.25
1977-78	1246.20	305.34	1551.54	-	5.69	5.69	1545.85
1978-79	1251.17	429.99	1681.16	-	4.11	4.11	1677.05
1979-80	2187.53	1082.39	3269.92	-	24.02	24.02	3245.90
1980-81	3348.97	1917.52	5266.49	-	8.41	8.41	5258.08
1981-82	3706.38	1453.16	5189.54	196.23	15.13	211.36	4978.18
1982-83	4043-74	1553.94	5597.68	1063.37	133.79	1197.17	4400.52
1983-84	3541.05	1270.75	4811.80	1231.10	356.96	1588.06	3223.74
1984-85	3430.34	1914.91	5345.25	1563.16	255.03	1818.19	3527.06
1985-86	3686.80	1273.60	4960.40	135.15	509.58	644.73	4315.67
1986-87	2120.19	652.69	2772.88	-	411.23	411.23	2361.66
1987-88	2986.31	1024.32	4010.63	-	648.75	648.75	3361.88
1988-89	2861-08	1559.84	4420.92	-	523.63	523.63	3897.29
1989-90	4089.35	2254.71	6344.06	-	695.56	695.56	5648.50
1990-91	6118.42	4660.21	10778.63	-	1003.92	1003.92	9774.71
1991-92	7820.05	5218.27	13038.32	-	1214.65	1214.65	11823.67
1992-93	10685.86	6359.60	17045.46	-	1606.28	1606.28	15439.18
1993-94	10688.52	7041.43	17729.95	-	1508.81	1508.81	16221.14
1994-95(P)	10316.03	7521.71	17837.74	-	1587.38	1587.38	16250.36

= Includinq Refinery Fuel (P) = Provisional.(e) = Estimated.

VI. PETROLEUM ENERGY
PETROLEUM ENERGY IN INDIA 1984-1994 (CALENDAR YEARS)

PRODUCTS	AVAILABILITY								
	1984	1986	1988	1989	1990	1991	1992	1993	1994
1	2	3	4	5	6	7	8	9	10
	IN ORIGINAL UNITS (MILLION TONNES)								
KEROSENE	5.96	6.77	7.26	8.19	8.64	8.90	8.58	8.97	9.59
ATF	1.42	1.64	1.66	1.87	1.74	1.68	1.61	1.68	1.99
HSD	13.42	15.96	17.13	20.94	20.90	22.68	24.59	25.74	28.08
LDO	1.21	1.17	1.23	1.51	1.53	1.50	1.51	1.41	1.42
FUEL OILS	7.78	7.91	7.98	8.89	9.31	9.42	9.42	9.01	9.80
OTHERS *	4.88	6.55	7.02	7.14	8.66	8.70	9.29	9.67	9.22
TOTAL	**34.67**	**40.00**	**42.28**	**49.54**	**50.78**	**52.88**	**55.00**	**56.55**	**60.10**
	IN MILLION TONNES OF COAL EQUIVALENT UNIT @								
KEROSENE	11.92	13.54	14.52	16.38	17.28	17.80	17.16	17.90	19.18
ATF	2.84	3.28	3.32	3.74	3.48	3.36	3.22	3.33	3.98
HSD	26.84	31.92	34.26	41.88	41.80	45.36	49.18	51.48	56.16
LDO	2.42	2.34	2.46	3.02	3.06	3.00	3.02	2.82	2.84
FUEL OILS	15.56	15.82	15.96	17.78	18.62	18.84	18.84	18.16	19.60
OTHERS *	9.76	13.10	14.04	16.28	17.32	17.40	18.58	19.34	18.44
TOTAL	**69.34**	**80.00**	**84.56**	**99.08**	**101.56**	**105.76**	**110.00**	**113.10**	**120.20**
	IN MILLION TONNES OF COAL REPLACEMENT UNIT @								
KEROSENE	47.69	54.16	58.08	65.52	69.12	71.20	68.64	71.76	76.72
ATF	10.02	12.30	12.45	14.02	13.05	12.60	12.08	12.60	14.93
HSD	120.74	143.64	154.17	188.46	188.10	204.12	221.31	231.66	247.10
LDO	10.91	10.53	11.07	13.59	13.77	13.50	13.69	12.69	12.78
FUELOILS	15.56	15.82	15.96	17.78	18.62	18.84	18.84	18.11	19.60
OTHERS *	26.61	32.51	36.04	47.44	51.30	52.15	53.46	55.58	55.32
TOTAL	**232.13**	**268.96**	**287.77**	**346.81**	**353.96**	**372.41**	**387.92**	**402.70**	**426.45**

PRODUCTS	CONSUMPTION (#)								
	1984	1986	1988	1989	1990	1991	1992	1993(P)	1994
1	2	3	4	5	6	7	8	9	10
	IN ORIGINAL UNITS (MILLION TONNES)IN ORIGINAL UNITS (MILLION TONNES)								
KEROSENE	5.84	6.52	7.59	8.09	8.42	8.41	8.57	8.62	8.93
ATF	1.30	1.59	1.69	1.75	1.73	1.56	1.56	1.68	1.87
HSD	13.31	15.70	18.40	20.23	21.18	21.98	24.40	25.32	27.62
LDO	1.18	1.15	1.38	1.49	1.51	1.43	1.47	1.34	1.40
FUEL OILS	7.79	8.02	8.32	8.70	9.10	8.95	9.38	9.09	9.73
OTHERS *	44.93	6.47	7.32	8.23	8.68	8.77	9.23	9.67	10.48
TOTAL	**34.35**	**39.45**	**44.70**	**48.59**	**50.62**	**51.10**	**54.61**	**55.72**	**60.03**
	IN MILLION TONNES OF COAL EQUIVALENT UNIT @								
KEROSENE	11.68	13.04	15.18	16.18	16.84	16.82	17.14	17.24	17.86
ATF	2.60	3.18	3.38	3.50	3.46	3.12	3.12	3.36	3.74
HSD	26.62	31.40	36.80	40.66	42.36	43.96	48.80	50.64	55.24
LDO	2.36	2.30	2.76	2.98	3.02	2.86	2.94	2.68	2.80
FUEL OILS	15.58	16.04	16.64	17.40	18.20	17.90	18.76	18.18	19.46
OTHERS	9.86	12.94	14.64	16.46	17.36	17.54	18.46	19.34	20.96
TOTAL	**68.70**	**78.90**	**89.40**	**97.18**	**101.24**	**102.20**	**109.22**	**111.44**	**120.06**
	IN MILLION TONNES OF COAL REPLACEMENT UNIT @								
KEROSENE	46.72	52.16	60.72	64.72	67.36	67.28	68.58	68.96	71.44
ATF	9.75	11.93	12.68	13.13	12.98	11.70	11.72	12.60	14.03
HSD	119.79	141.30	165.60	182.97	190.62	197.82	219.56	227.88	245.82
LDO	10.62	10.35	12.42	13.41	13.59	12.87	13.18	12.06	12.60
FUEL OILS	15.58	16.04	16.64	17.40	18.20	17.90	18.76	18.18	19.46
OTHERS *	26.38	34.95	38.06	48.08	51.45	52.64	55.31	58.25	62.88
TOTAL	**228.84**	**266.73**	**306.12**	**339.71**	**354.20**	**360.21**	**387.11**	**397.93**	**426.23**

(P) = Provisional. *: Includes LPG, Gasolines, Refinery Gas and Refinery Fuel.
@ : Based on COnversion factors adopted by FPC, 1974.
(#) : Includes Petroleum Products used for power generation.

PETROLEUM ENERGY IN INDIA: 1984-85 TO 1994-95 (FINANCIAL YEARS)

AVAILABILITY

PRODUCTS	1984-85	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95
1	2	3	4	5	6	7	8	9	10	11
IN ORIGINAL UNITS (MILLION TONNES)										
KEROSENE	5.93	6.76	7.29	7.95	8.30	8.81	8.71	8.56	9.10	9.36
ATF	1.4i	1.64	1.74	1.79	1.84	1.83	1.56	1.62	1.76	2.02
HSD	13.59	16.13	17.54	19.00	20.79	21.87	22.73	25.30	26.21	28.05
LDO	1.25	1.16	1.26	1.47	1.54	1.51	1.48	1.45	1.47	1.36
FUEL OILS	7.89	7.91	7.86	9.31	9.17	9.43	9.64	9.40	9.02	10.06
OTHERS*	5.15	6.59	7.14	7.82	8.26	8.75	8.75	9.33	9.76	9.26
TOTAL	**35.22**	**40.19**	**42.83**	**47.34**	**49.90**	**52.20**	**52.87**	**55.66**	**57.32**	**60.11**
IN MILLION TONNES OF COAL EQUIVALENT UNIT @										
KEROSENE	11.86	13.52	14.58	15.90	16.60	17.62	17.42	17.12	18.20	18.72
ATF	2.82	3.28	3.48	3.58	3.68	3.66	3.12	3.24	3.52	4.04
HSD	27.18	32.26	35.08	38.00	41.58	43.74	45.46	50.60	52.42	56.10
LDO	2.50	2.32	2.52	2.94	3.08	3.02	2.96	50.60	2.94	2.72
FUEL OILS	15.78	15.82	15.72	18.62	18.34	18.86	19.29	18.80	19.52	20.12
OTH ERS*	10.30	13.18	14.28	1.5.64	16.52	17.50	17.50	18.66	18.04	18.52
TOTAL	**70.44**	**80.38**	**85.66**	**94.68**	**99.80**	**104.40**	**105.74**	**111.32**	**114.64**	**120.22**
IN MILLION TONNES OF COAL REPLACEMENT UNIT @										
KEROSENE	47.44	54.08	58.32	63.60	66.40	70.48	69.68	68.48	72.80	74.88
ATF	10.58	12.30	13.05	13.43	13.80	13.72	11.70	12.15	13.20	15.15
HSD	122.31	145.17	157.86	171.00	187.11	196.83	204.57	227.70	235.89	246.84
LDO	11.25	10.44	11.34	13.23	13.86	13.59	13.32	13.05	13.23	12.24
FUEL OILS	15.78	15.82	15.72	18.62	18.34	18.86	19.28	18.80	18.04	20.12
OTHERS*	27.95	33.11	36.86	40.35	48.33	51.93	52.54	53.90	56.09	55.56
TOTAL	**235.31**	**270.92**	**293.15**	**320.23**	**347.84**	**365.41**	**371.09**	**394.08**	**409.25**	**424.79**

CONSUMPTION (#)

PRODUCTS	1984-85	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95
1	2	3	4	5	6	7	8	9	10	11
IN ORIGINAL UNITS (MILLION TONNES)										
KEROSENE	5.96	6.65	7.23	7.73	7.38	8.42	8.38	8.48	8.70	8.96
ATF	1.34	1.60	1.65	1.71	1.78	1.68	1.56	1.57	1.74	1.90
HSD	13.70	16.01	17.66	18.80	20.69	21.14	22.68	24.29	25.88	28.26
LDO	1.20	1.16	1.24	1.44	1.46	1.51	1.46	1.41	1.37	1.37
FUEL OILS	7.94	8.05	8.14	8.46	8.64	8.99	9.20	9.27	9.19	9.89
OTHERS *	5.07	6.62	7.14	7.80	8.42	8.68	8.85	9.21	9.79	10.41
TOTAL	**35.21**	**40.09**	**43.06**	**45.94**	**48.37**	**50.42**	**52.13**	**54.23**	**56.67**	**60.79**
IN MILLION TONNES OF COAL EQUIVALENT UNIT @										
KEROSENE	11.92	13.30	14.46	15.46	14.76	16.84	16.76	16.96	17.40	17.92
ATF	2.68	3.20	3.30	3.42	3.56	3.36	3.12	3.14	3.48	3.80
HSD	27.40	32.02	35.32	37.60	41.38	42.28	45.36	48.58	51.76	56.52
LDO	2.40	2.32	2.48	2.88	2.92	3.02	2.92	2.82	2.74	2.74
FUEL OILS	15.88	6.10	16.28	18.92	17.28	17.98	18.40	18.54	18.38	19.78
OTHERS*	10.14	13.24	14.28	15.60	16.84	17.36	17.70	18.42	19.58	20.82
TOTAL	**70.42**	**80.18**	**86.12**	**91.88**	**96.74**	**100.84**	**104.26**	**108.46**	**113.34**	**121.58**
IN MILLION TONNES OF COAL REPLACEMENT UNIT @										
KEROSENE	47.67	53.20	57.84	61.84	59.04	67.36	67.04	67.84	69.60	71.68
ATF	10.02	12.00	12.38	12.83	13.35	12.60	11.70	11.78	13.05	14.25
HSD	123.26	144.09	158.94	169.20	186.21	190.26	204.12	218.61	232.92	248.69
LDO	10.78	10.44	11.16	12.96	13.14	13.59	13.14	12.69	12.33	12.33
FUEL OILS	15.88	16.10	16.28	16.92	17.28	17.98	18.40	18.54	18.38	19.78
OTHERS *	27.82	38.02	39.85	40.56	43.78	51.41	53.26	55.40	59.33	62.46
TOTAL	**234.93**	**271.85**	**296.45**	**314.31**	**332.80**	**353.20**	**367.66**	**384.86**	**405.61**	**429.19**

(P) = Provisional. * Includes LPG, Gasolines, Refinery Gas and Refinery Fuel.
@ : Based on conversion factors adopted by FPC,1974.
(#): Includes Petroleum Products used for power generation.

VII. EXPLORATION

AREA WISE DEPLOYMENT OF DEEP DRILLING RIGS, WELLS & METREAGE DRILLED BY ONGC & OIL FROM 1970-71 TO 1994-95

YEAR	ONSHORE			OFFSHORE			TOTAL		
	Rigs (Nos.)	Wells (Nos.)	Metreage ('000')	Rigs (Nos.)	Wells ('000')	Metreage ('000')	Rigs (Nos.)	Wells ('000')	Metreage ('000')
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
				(A) OIL & NATURAL GAS COMMISSION					
1970-71	31	89	168	1	-	1	32	89	168
1975-76	35	106	229	4	15	28	39	121	257
1980-81	34	72	134	7	32	78	41	104	212
1981-82	38	98	211	7	46	111	45	144	322
1982-83	40	114	224	13	64	162	53	178	386
1983-84	43	117	259	14	88	209	57	205	468
1984-85	53	127	280	13	73	161	66	200	441
1985-86	64	190	410	18	77	180	82	267	590
1986-87	82	232	502	19	77	231	101	309	733
1987-88	92	272	577	26	91	266	118	363	843
1988-89	104	319	707	33	146	282	137	465	989
1989-90	115	491	971	33	134	353	148	625	1324
1990-91	108	369	777	32	139	276	140	508	1053
1991-92	110	343	745	25	83	208	135	426	953
1992-93	109	349	755	28	100	251	137	449	1006
1993-94	103	330	777	25	162	360	128	492	1137
1994-95	98	324	778	24	89	204	122	413	982
				(B) OIL INDIA LIMITED					
1970-71	4	12	48	-	-	-	4	12	48
1975-76	3	11	36	-	-	-	3	11	36
1980-81	4	9	33	1	1	4	5	10	37
1981-82	5	17	64	-	-	-	5	17	64
1982-83	5	14	60	-	-	-	5	14	60
1983-84	5	23	79	1	3	10	6	26	88
1984-85	7	25	86	1	2	10	8	27	96
1985-86	8	28	110	1	-	9	9	28	119
1986-87	10	26	103	2	2	17	12	28	120
1987-88	12	32	118	1	-	6	13	32	124
1988-89	13	33	128		-	-	13	33	128
1989-90	15	28	130	-	-	-	15	28	130
1990-91	13	27	112	-	-	-	13	27	112
1991-92	14	26	110	-	-	-	14	26	110
1992-93	15	19	99	-	-	-	15	19	99
1993-94	15	22	106	-	-	-	15	22	106
1994-95	14	19	88	-	-	-	14	19	88
				TOTAL (A+B)					
1970-71	35	101	216	-	-	1	36	101	216
1975-76	38	117	265	4	15	28	42	132	293
1980-81	38	81	167	8	33	82	46	114	249
1981-82	43	115	275	7	46	111	50	161	386
1982-83	45	128	284	13	64	162	58	192	446
1983-84	48	140	338	15	91	219	63	231	556
1984-85	60	152	366	14	75	171	74	227	537
1985-86	72	218	520	19	77	189	91	295	709
1986-87	92	258	605	21	79	248	113	337	853
1987-88	104	304	695	27	91	272	131	395	967
1988-89	117	352	835	33	134	282	150	498	1117
1989-90	130	519	1101	33	134	353	163	653	1454
1990-91	121	396	889	32	139	276	153	538	1165
1991-92	124	369	855	25	83	208	149	452	1063
1992-93	124	368	854	28	100	251	152	468	1105
1993-94	118	352	883	25	162	360	143	514	1243
1994-95	112	343	866	24	89	204	136	432	1070

EXPLORATORY & DEVELOPMENT DRILLING BY ONGC & OIL.

YEAR	Exploratory		Development		Total	
	Wells (Nos.)	Metreage ('000')	Wells ('000')	Metreage ('000')	Wells (Nos.)	Metreage ('000')
(1)	(2)	(3)	(4)	(5)	(6)	(7)
			(A) ON SHORE			
1970-71	51+ 1P	106	50+3P	112	101+3P	218
1975-76	49+1P	120	68+P	145	117+2P	265
1980-81	44+1P	96	38+2P	71	82+3P	167
1981-82	52+2P	130	63+4P	145	115+6P	275
1982-83	57+3P	128	71+4P	156	28+7P	284
1983-84	61+3P	157	79+2P	181	140+5P	338
1984-85	70+5P	186	82+1P	180	152+6P	366
1985-86	90+4P	237	128+7P	283	218+11P	520
1986-87	78+3P	236	180+8P	369	258+11P	605
1987-88	105+4P	307	199+8P	388	304+12P	695
1988-89	122	362	230	474	353	836
1989-90	204	508	315	593	519	1101
1990-91	176	434	220	455	396	889
1991-92	176	454	193	401	369	855
1992-93	172	413	196	441	368	854
1993-94	147	374	205	509	352	883
1994-95*	162	428	181	438	343	866
			(B) OFFSHORE			
1970-71	-	1	-	-	-	1
1975-76	10	19	5	9	15	28
1980-81	15 +1P	40	18	42	33+1P	82
1981-82	12	39	34	72	46	111
1982-83	17	57	47	105	64	162
1983-84	22+1P	70	68	149	90+1P	219
1984-85	20+1 P	62	51	109	71 +1 P	171
1985-86	33+2P	100	44	89	77+2P	189
1986-87	44+3P	132	35	116	79+3P	248
1987-88	39+3P	111	52	161	91+3P	272
1988-89	63	167	83	114	146	281
1989-90	61	160	73	193	134	353
1990-91	73	184	66	92	139	276
1991-92	61	167	22	41	83	208
1992-93	69	176	31	75	100	251
1993-94	33	96	129	264	162	360
1994-95*	48	116	41	88	89	204
			TOTAL (A + B)			
1970-71	52+1P	107	50+3P	112	101+3P	218
1975-76	59+1P	139	73+1P	154	132+2P	293
1980-81	59+2P	136	56+2P	113	1.15+4P	249
1981-82	64+2P	169	97+4P	217	161+6P	386
1982-83	74+3P	185	118+4P	261	192+7P	446
1983-84	83+4P	227	147+2P	330	230	557
1984-85	90+6P	248	133+1P	289	223+7P	537
1985-86	123+6P	337	172+7P	372	295+13P	709
1986-87	122+6P	368	215+8P	485	337+14P	853
1987-88	143+7p	418	251+8P	549	395+15P	967
1988-89	185	529	313	588	498	1117
1989-90	265	668	388	786	653	1454
1990-91	249	618	286	547	535	1165
1991-92	237	621	215	442	452	1063
1992-93	241	589	227	516	468	1105
1993-94	180	470	334	773	514	1243
1994-95*	210	544	222	525	432	1070

(P) - Partly Drilled. * provisional

STATUS OF WELLS (AS ON 1 ST APRIL OF EACH YEAR)

(NUMBERS)

COMPANY/ YEAR	OIL	GAS	DRY	UNDER TEST	INJEC CTION	OTHERS	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
			(A) ASSAM OIL COMPANY				
1975	377	7	-	-	5	612	1001
1980	417	10	-	-	6	568	1001
1981	418	9	-	-	6	568	1001
1985	43S	4	305	7	7	247	1001
1986	399	2	305	7	6	282	1001
1987	314	2	305	2	8	282	1001
1988	289	2	305	-	7	398	1001
1989	240	1	305	-	10	445	1001
1990	253	1	305	-	7	435	1001
1991	227	1	305	-	6	462	1001
1992	226	1	305	-	5	464	1001
1993	227	1	305	-	6	462	1001
1994	214	1	305	-	6	475	1001
1995	209	1	305	—	6	480	1001
			(B) OIL INDIA LIMITED				
1975	250	18	34	27	20	-	349
1980	273	26	40	48	34	-	421
1981	283	27	42	48	35	-	:435
1985	321	42	49	35	50	31	528
1986	327	37	52	12	53	81	562
1987	344	41	56	21	59	74	595
1988	333	44	61	29	62	108	637
1989	337	49	63	38	62	124	673
1990	422	53	66	36	62	70	709
1991	362	59	70	51	44	161	747
1992	365	58	74	68	43	172	780
1993	397	56	81	64	45	166	809
1994	408	58	85	83	49	158	841
1995	418	69	92	79	46	160	864
			(C) OIL & NATURAL GAS COMMISSION				
1975	605	79	320	141	28	-	1173
1980	951	123	487	125	32	-	1718
1981	1008	133	508	137	38	-	1824
1985	1434	170	659	216	67	-	2546
1986	1642	190	740	164	80	-	2816
1987	1836	206	804	177	102	-	3125
1988	2024	219	896	20	125	204	3488
1989	2304	239	984	45	144	237	3953
1990	2579	302	1128	69	198	303	4579
1991	2873	330	1281	274	235	94	5087
1992	3007	324	1436	132	337	400	5636
1993	3138	355	1573	148	387	457	6058
1994	3392	380	1702	121	487	554	6636
1995	3488	410	1797	135	534	535	6899
			TOTAL (A + B + C)				
1975	1282	104	354	168	53	612	2523
1980	1641	159	527	173	72	568	3140
1981	1709	169	550	185	79	568	3260
1985	2186	216	1011	258	124	278	4073
1986	2368	229	1097	183	139	363	4379
1987	2494	249	1165	200	169	444	4721
1988	2646	265	1262	49	194	710	5126
1989	2881	289	1352	83	216	806	5627
1990	3254	356	1499	105	267	808	6289
1991	3462	390	1656	325	285	717	6835
1992	3598	383	1816	200	385	1036	7417
1993	3762	412	1959	212	438	1085	7868
1994	4014	439	2092	204	542	1187	8478
1995	4115	480	2194	214	737	1175	8764

Note: The exploration activities of Assam Oil Company were vested in Oil India Limited w.e.f. 14th October. 1981.

STATEWISE ACHIEVEMENT OF GEOLOGICAL FIELD PARTIES IN INDIA SINCE INCEPTION UPTO MARCH 1995 (Provisional)

Sl.	STATE	Detailed Mapping (Sq. Km.)	Semideta-iled map-(Sq.Km.)	Travers-ing (line Kms.)	Reconnai-ssance (Sq. Km.)	Special studies (Sq. Km.)	Geotectonic studies (Sq. Km.)	Reconnatory traversing (Sq. Km.)
	1	2	3	4	5	6		8
1.	Andra Pradesh	-	5017	-	5295	-	4500	-
2.	Tamil Nadu	2860	6955	271	11160	GC 595	-	-
3.	Assam (Including Meghalaya, Nagaland, Mizoram, Tripura Arunachal Pradesh Manipur and Nefa)	8005	48974	12616	4979	CW 740 Photo-1100 Geological	- 200 (RM)	167
4.	Gujarat	9529	25505	1624	25628	-	-	-
5.	Madhya Pradesh	-	26891	-	-	-	-	-
6.	Bihar	-	5445	93	-	-	-	-
7.	Himachal Pradesh & Punjab	9710	16079	4915	4568	1489	-	330 200 (RM)
8.	Jammu & Kashmir	1764	11527	1923	6548	70 +CH 372	-	-
9.	Uttar Pradesh	4658	12731	2087	913	4170	-	-
10.	Rajasthan	3584	26180	1734	17890	-	-	-
11.	Other areas (Falling in Vindhyan & Gondwana Basin)	-	38095	-	-	-	-	-
12.	West Bengal	912	5390	477	2397	5400	-	
13.	Andaman & Nicobar	833	4183	647	2151	-	-	-
14.	Nepal	194	8446	1087	-	-	-	-
15.	Bhutan	-	2736	95	270	-	-	-
16.	Maharashtra	-	1240	-	-	-	-	-
	Total	42049	245394	27569	81799	5729 + CW 740 + Photo - 1100 geological + GC 595 + CH 372	50400	497 200 (RM)

Abbreviatons: RM - Road-Mapping, CW - Compliation Works.
CM - Checkinq Lines, GC - Ground Checking.

Note: The figures indicated in this statement as on 31.3.93 are the same as supplied earlier for the period as on 31.3.91 because geological parties after June '90 were assigned R & D work.

STATEWISE ACHIEVEMENTS OF GEOPHYSICAL FIELD PARTIES IN INDIA SINCE INCEPTION UPTO MARCH,1995 (Provisional)

Sl. No.	STATE	DEPARTMENTAL			CONTRACT		
		Line Kms.	SSKm. 3-D	SLK	Line Kms.	SLK	SKm 3-D
1	2	3	4	5	6	7	8
A.	**ON SHORE**						
1.	Andhra Pradesh	7fO8	764	54833	6537	-	-
2.	Assam (Including Meghalaya, Nagaland, Mizoram, Tripura & Arunachal Pradesh)	41943	657	58972	3001	-	-
3.	Gujarat	43202	2046	132615	12241	-	-
4.	Bihar	2426	-	5771	-	-	-
5.	Haryana		-	1536	-	-	-
6.	Himachal Pradesh & Punjab	5400	-	5658	-	549	-
7.	Tamil Nadu	9639	578	40126	11822	-	-
8.	Jammu & Kashmir	1937	-	-	99	-	-
9.	Orissa	1644	-	-	3814	-	-
10.	Uttarpradesh	12190	-	32330	3506	-	-
11.	Rajasthan	3554	-	41251	16028	-	-
12.	West Bengal	16051	122	17487	2946	-	67
13.	Madhya pradesh	73	-	9404	-	-	-
	Total Onshore (A)	**145167**	**4167**	**399953**	**59499**	**549**	**67**
B.	**Offshore**	**397129**	**-**	**-**	**164265**	**-**	**-**
	GrandTotal(A+B)	**542296**	**4167**	**399953**	**223764**	**549**	**67**

SLK : Standard line Kilometres. SS Km: Standard Sq. Km Skm : Sa. Km.

STATEWISE ACHIEVEMENTS OF DRILLING IN INDIA SINCE INCEPTION UPTO MARCH,1995
(Provisional)

Sl. No.	State	Drilling achievement since inception	
		Wells (Nos.)	Metreage ('000 M)
1	2	3	4
A. ON SHORE			
1.	Andhra Pradesh (Including Kerala)	146	486.76
2.	Assam, Andaman & Nicobar (Including Meghalaya Arunachal Pradesh, Nagaland, Mizoram, Tripura & West Bengal)	1905	6196.28
3.	Gujarat (Including Kutch, Maharashtra and Madhya Pradesh)	3476	5854.43
4.	Bihar	6	29.82
5.	Himachal Pradesh & Punjab	14	53.90
6.	Tamil Nadu & Pondichery	206	538.13
7.	Jammu & Kashmir	4	12.02
8.	Orissa	4	8.70
9.	Uttar Pradesh	7	22.58
10.	Rajasthan	24	53.81
	TotalOnland (A)	**5792**	**13256.43**
B.	**Offshore**		
1.	West Coast	1294	2936.07
2.	East Coast	156	512.75
	Total Offshore (B)	**1450**	**3448.82**
	Grand Total (A+B)	**7242**	**16705.25**

VIII. CRUDE OIL

State wise Reserves of Crude Oil @

(Million Tonnes)

Year	On Shore				Off Shore	Grand
	Gujarat	Assam	Rajasthan	Total	Bombay High	Total
1	2	3	4	5	6	7
I 966	62.73	90.27	-	153.00	-	153.00
1967	65.88	88.96	-	154.84	-	154.84
1968	64.92	76.08	-	141.00	-	141.00
1969	59.80	72.51	-	132.31	-	132.31
1970	56.38	71.46	-	127.84	-	127.84
1971	51.08	62.70	-	113.78	-	113.78
1972	52.28	72.90	-	125.18	-	125.18
1973	49.45	77.87	-	127.32	-	127.32
1974	48.45	76.05	-	124.50	-	124.50
1975	45.72	84.41	-	130.13	13.77	143.90
1976	45.79	81.99	-	127.78	147.68	275.46
1977	45.62	82.28	-	127.90	175.28	303.18
1978	47.49	78.50	-	125.99	221.04	347.03
1979	45.34	82.81*	-	128.15	226.29	354.44
1980	52.73	82.65*	-	135.38	230.95	399.33
1981	51.48	89.00*	-	140.48	328.29	468.77
1982	53.18	91.52*	-	144.70	325.18	469.88
1983	90.58	97.03*	-	187.61	338.70	526.31
1984	88.00	99.01 *	-	187.01	323.81	510.82
1985	86.61	101.80*	-	188.41	311.10	499.51
1986	98.64	113.83*	-	212.47	345.54	558.01
1987	132.05	119.03*	-	251.08	330.35	581.43
1988	143.02	124.38*	-	267.40	371.04	638.44
1989	155.12	140.24*	-	295.36	430.86	726.22
1990	161.69	144.97	-	306.66	432.14	738.80
1991	158.26	156.22*	-	314.48	491.67	806.15
1992	156.55	160.82*	-	317.37	483.68+	801.05
1993	155.09	158.16*	-	313.25	465.81+	779.06
1994	153.40	156.06*	-	309.46	455.17+	764.63
1995	153.20	147.87*	-	301.07	431.08+	732.15

@ Proved & Indicated Balance Recoverable Reserves.
* Includes crude oil reserves in Nagaland, Tamil nadu, Andhra Pradesh and Arunachal Pradesh.
\+ Includes reserves in Andhra Pradesh, Tamil Nadu and JVC.
Note: ForAOC & OIL the figures relate to IstJanuaryof each year but in case of ONGC the data pertains to Ist October upto the year 1974 and thereafter to Ist January of each year upto the year 1992 and from 1993 relates to Ist April.

COMPANY-WISE PRODUCTION OF CRUDE OIL IN INDIA
(CALENDAR YEARS)

(000 Tonnes)

YEAR	ON SHORE				OFF SHORE	GRAND TOTAL	CUMULA-TIVE PROD-UCTION
	AOC	OIL	ONGC	TOTAL	ONGC		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Upto 1950	259	-	-	259	-	259	6598
1951	269	-	-	269	-	269	6867
1952	263	-	-	263	-	263	7130
1953	269	3	-	272	-	272	7402
1954	278	30	-	308	-	308	7710
1955	272	75	-	347	-	347	8057
1956	307	89	-	396	-	396	8453
1957	277	163	-	440	-	440	8893
1958	214	226	-	440	-	440	9333
1959	202	248	-	450	-	450	9783
1960	179	272	-	451	-	451	10234
1961	184	319	10	513	-	513	10747
1962	188	556	334	1078	-	1078	11825
1963	184	805	663	1652	-	1652	13477
1964	170	1274	768	2212	-	2212	15689
1965	158	1742	1122	3022	-	3022	18711
1966	149	2143	2355	4647	-	4647	23358
1967	134	2752	2781	5667	-	5667	29025
1968	117	2771	2965	5853	-	5853	34878
1969	112	3074	3537	6723	-	6723	41601
1970	107	3070	3632	6809	-	6809	48410
1971	98	3146	3941	7185	-	7185	55595
1972	93	3183	4087	7373	-	7373	62968
1973	84	3102	4012	7198	-	7198	70166
1974	72	3080	4338	7490	-	7490	77656
1975	68	3087	5128	8283	-	8283	85939
1976	63	3092	5276	8431	228	8659	94598
1977	58	3120	5569	8747	1438	10185	104783
1978	55	2697	5551	8303	2968	11271	116054
1979	47	2848	5537	8432	4407	12839	128893
1980	41	796	4033	4870	4529	9399	138292
1981	(a) 33	2803	5083	7919	7006	14925	153127
1982	-	2963	5304	8267	11467	19734	172951
1983	-	2794	6501	8395	16753	25148	198099
1984	-	2776	6007	8783	19150	27933	226032
1985	-	2635	6580	9215	20645	29860	255892
1986	-	2713	7150	9863	21294	31157	287049
1987	-	2408	7626	10034	20108	30142	317191
1988	-	2439	8150	10589	20991	31580	348771
1989	-	2612	9445	12057	21628	33685	382456
1990	-	2697	9294	11991	21320	33311	415767
1991	-	2580	9033	11613	19394	31007	446774
1992	-	2486	8779	11265	16609	27874	474648
1993	-	2738	8688	11426	15082	26508	501156
1994	-	2898	9107	12005	18900	30905	532061

(a) = After take over of AOC by Govt.in Oct,1981, its production wing was merged with OIL. so the production figures shown under AOC are upto 14th October,1981, thereafter the same have been merged with OIL.

COMPANY-WISE PRODUCTION OF CRUDE OIL IN INDIA
(Financial Year)

(000 Tonnes)

YEAR	ONSHORE				OFFSHORE	GRAND TOTAL	CUMULATIVE PRODUCTION
	AOC	OIL	ONGC	TOTAL	ONGC		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1970-71	104	3084	3634	6822	-	6822	50303
1971-72	97	3159	4003	7299	-	7299	57602
1972-73	90	3131	4100	7321	-	7321	64923
1973-74	82	3079	4028	7189	-	7189	72112
1974-75	71	3079	4534	7684	-	7684	79796
1975-76	66	3103	5279	8448	-	8448	88244
1976-77	62	3085	5345	8492	406	8898	97142
1977-78	57	3113	5519	8689	2074	10763	107905
1978-79	53	2671	5599	8323	3310	11633	119538
1979-80	40	2215	5089	7344	4422	11766	131304
1980-81	48	1243	4231	5522	4985	10507	141811
1981-82	23(e)	995	5201	8219	7975	16194	158005
1982-83	-	2830	5356	8186	12877	21063	179068
1983-84	-	2873	5755	8628	17392	26020	205088
1984-85	-	2735	6119	8854	20136	28990	234078
1985-86	-	2654	6691	9345	20823	30168	264246
1986-87	-	2621	7241	9862	20618	30480	294726
1987-88	-	2448	7745	10193	20164	30357	325083
1988-89	-	2425	8503	10928	21112	32040	357123
1989-90		2704	9667	12371	21716	34087	391210
1990-91	-	2649	9181	11830	21191	33021	424231
1991-92	-	2529	8854	11383	18963	30346	454577
1992-93	-	2523	8681	11204	15746	26950	481527
1993-94	-	2811	8840	11651	15375	27026	508553
1994-95*	-	2883	9130	12013	20226	32239	540792

* Provisional.

(e) =After takeover of AOC by Government in October 1981, its production wing was merged with OIL. So the production figures shown under AOC are up to 14th October 1981 thereafter the same have been merged with OIL.

STATE-WISE PRODUCTION OF CRUDE OIL IN INDIA

(000 Tonnes)

YEAR	ON SHORE					OFF SHORE	
	Arunachal Pradesh	Tamil Nadu/ Andhra Pradesh	Assam/ Nagaland	Gujarat	Total	Bombay High	Grand Total
1	2	3	4	5	6	7	8
CALENDAR YEARS							
1970	-	-	3359	3450	6809	-	6809
1971	-	-	3542	3643	7185	-	7185
1972	-	-	3653	3720	7373	-	7373
1973	-	-	3594	3604	7198	-	7198
1974	-	-	3735	3755	7490	-	7490
1975	-	-	4189	4094	8283	-	8283
1976	-	-	4267	4164	8431	228	8659
1977	-	-	4510	4237	8747	1438	10185
1978	-	-	4076	4227	8303	2968	11271
1979	-	-	4563	3869	8432	4407	12839
1980	2	-	1056	3812	4870	4529	9399
1981	2	-	4373	3544	7919	7006	14925
1982	1	-	5124	3142	8267	11467	19734
1983	25	-	4901	3469	8395	16753	25148
1984	42	-	4939	3802	8783	19150	27933
1985	60	-	4879	4576	9215	20645	29860
1986	59	4	5270	4530	9863	21294	31157
1987	40	9	5138	4847	10034	20108	30142
1988	32	23	5309	5225	10589	20991	31580
1989	39	152	5771	6095	12057	21628	33685
1990	41	313	5199	6440	11991	21320	33311
1991	41	311	5097	6162	11613	19393	31006
1992	55	331	4964	5915	11265	16609	27874
1993	55	481	5039	5851	11426	15082	26508
1994	37	639	5108	6222	12006	18900	30906
FINANCIAL YEAR							
1970-71	-	-	3367	3455	6822	-	6822
1971-72	-	-	3630	3669	7299	-	7299
1972-73	-	-	3609	3712	7321	-	7321
1973-74	-	-	3589	3600	7189	-	7189
1974-75	-	-	3814	3870	7684	-	7684
1975-76	-	-	4300	4148	8448	-	8448
1976-77	-	-	4305	4187	8492	406	8898
1977-78	-	-	4534	4155	8689	2074	10763
1978-79	-	-	4085	4238	8323	3310	11633
1979-80	-	-	3578	3766	7344	4422	11766
1980-81	2	-	1712	3808	5522	4985	10507
1981-82	2	-	4795	3422	8219	7975	16194
1982-83	1	-	5000	3185	8186	12877	21063
1983-84	31	-	5009	3588	8628	17392	26020
1984-85	51	-	4893	3910	8854	20136	28990
1985-86	60	-	4966	4319	9345	20823	30168
1986-87	51	5	5239	4561	9862	20618	30480
1987-88	36	14	5154	4989	10193	20164	30357
1988-89	35	31	5457	5405	10928	21112	32040
1989-90	38	208	5812	6313	12371	21716	34087
1990-91	43	313	5076	6398	11830	21191	33021
1991-92	42	318	4988	6035	11383	18963	30346
1992-93	59	352	4986	5807	11204	15746	26950
1993-94	49	536	5090	5076	11651	15375	27026
1994-95*	35	656	5043	6279	12013	20226	32239

* Provisional.

IX NATURAL GAS

STATE-WISE RESERVES OF NATURAL GAS

(Bn. Cubic Metres)

YEAR	ON SHORE				OFF SHORE	Grand
	Guiarat	Assam	Rajasthan	Total	Bombay High	Total
1	2	3	4	5	6	7
1966	23.09	40.06	-	63.15	-	63.15
1967	24.65	42.60	-	67.25	-	67.25
1968	21.80	41.54	-	63.34	-	63.34
1969	22.90	42.70	-	65.60	-	65.60
1970	19.66	42.82	-	62.48	-	62.48
1971	18.84	43.45	-	62.29	-	62.29
1972	16.88	45.25	0.38	62.51	-	62.51
1973	16.35	49.71	0.38	66.44	-	66.44
1974	16.18	51.30	0.38	67.86	-	67.86
1975	15.72	65.24	0.43	81.39	6.28	87.67
1976	16.41	61.42	0.43	78.26	106.62	184.88
1977	16.20	63.76	0.43	80.39	148.08	228.47
1978	15.66	63.62	0.43	79.71	186.15	265.86
1979	15.80	63.25*	0.43	79.58	264.64	344.22
1980	16.39	63.53*	0.43	80.95	270.96	351.91
1981	15.99	65.19*	0.43	81.61	329.04	410.65
1982	18.18	70.66*	0.43	89.27	330.62	419.83
1983	18.95	78.67*	0.43	98.05	377.21	475.26
1984	18.60	81.31*	0.54	100.54	377.80	478.25
1985	21.87	87.67*	0.54	110.08	368.55*	478.63
1986	26.99	91.83*	0.54	119.36	377.69	497.05
1987	41.26	97.82*	0.74	139.82	400.99	540.81
1988	62.11	105.49*	0.78	168.38	411.09	579.47
1989	85.59	120.49*	1.00	207.08	440.47	647.55
1990	92.58	135.47*	1.04	229.09	457.36	686.45
1991	93.39	151.68*	1.22	246.29	483.50	729.79
1992	93.97	160.45*	1.27	255.69	479.77**	735.46
1993	92.87	156.13*	3.82	252.82	465.13**	717.95
1994	92.13	156.18*	3.82	252.13	454.56**	706.69
1995	89.88	159.18*	4.11	253.17	406.47**	659.64

@: Proved & Indicated Balance Recoverable Reserves.

* Includes Natural Gas Reserves in Tripura, Nagaland, Tamil Nadu, Arunachal Pradesh & Andhra Pradesh.

** Including natural gas reserve in Andhra Pradesh, Gujarat, Tamil Nadu, Andaman and JVC

Note: For AOC & OIL the figures relate to 1 st January of each year but in case of ONGC the data pertains to 1st October upto the year 1974 and thereafter to 1 st January of each year upto the year 1992 and from 1993 relates to 1st April.

STATE-WISE GROSS PRODUCTION OF NATURAL GAS IN INDIA

(Million Cubic Metres)

YEAR	ON SHORE					OFFSHORE	Grand
	Gujarat	Assam/ Nagaland	Arunachal Pradesh	Tripura/ T. Nadu & Andhra Pradesh	Total	Bombay High	Total
1	2	3	4	5	6	7	8
				CALENDAR YEARS			
1970	458	996	-	-	1424	-	1424
1971	516	993	-	-	1509	-	1509
1972	533	1031	-	-	1564	-	1564
1973	519	1155	-	-	1674	- -	1674
1974	590	1328	-	-	1918	-	1918
1975	760	1550	-	-	2310	-	2310
1976	815	1595	-	-	2410	28	2438
1977	888	1677	-	-	2565	161	2726
1978	903	1527	-	-	2430	340	2770
1979	843	1709	-	-	2552	532	3084
1980	868	621	-	-	1489	588	2077
1981	761	1605	-	-	2366	1120	3486
1982	741	1855	-	-	2596	2065	4661
1983	760	1903	1	-	2664	3104	5768
1984	758	2027	1	-	2786	4034	6820
1985	884	2049	4	-	2937	4971	7908
1986	980	2105	12	17	3114	6350	9464
1987	940	2149	13	33	3135	7771	10906
1988	1183	2150	17	53	3403	9381	12784
1989	1559	2172	21	77	3829	12097	15926
1990	1645	2014	27	158	3844	14146	17990
1991	1855	2062	31	251	4199	14450	18649
1992	1957	2054	49	563	4623	13749	18372
1993	2080	1984	49	779	4892	13229	18121
1994	2394	1937	40	829	5200	14223	19423
				FINANCIAL YEAR			
1970-71	465	980	-	-	1445	-	1445
1971-72	523	1012	-	-	1535	-	1535
1972-73	531	1034	-	-	1565	-	1565
1973-74	518	1195	-	-	1713	-	1713
1974-75	653	1388	-	-	2041	-	2041
1975-76	773	1595	-	-	2368	-	2368
1976-77	822	1558	-	-	2380	48	2428
1977-78	893	1717	-	-	2610	229	2839
1978-79	908	1518	-	-	2426	386	2812
1979-80	840	1385	-	-	2225	542	2767
1980-81	842	843	-	-	1685	673	2358
1981-82	758	1748	-	-	2506	1345	3851
1982-83	750	1829	-	-	2579	2357	4936
1983-84	748	1954	Neg.	-	2702	3259	5961
1984-85	775	2056	2	-	2833	4408	7241
1985-86	919	2029	6	-	2954	5180	8134
1986-87	971	2142	13	22	3148	6705	9853
1987-88	1005	2147	13	43	3208	8259	11467
1988-89	1258	2160	18	50	3486	9731	13217
1989-90	1613	2159	23	106	3901	13087	16988
1990-91	1696	2011	29	180	3916	14082	17998
1991-92	1698	2051	31	271	4251	14394	18645
1992-93	1946	2034	52	676	4708	13352	18060
1993-94	2166	1978	47	788	4979	13356	18335
1994-95*	2462	1909	37	835	5243	14138	19381

* = Provisional.

STATE-WISE GROSS AND NET PRODUCTION OF NATURAL GAS IN INDIA

(Million Cubic Metres)

Period	Gross Prodn.	Re-Injected	Flarred	Net Production
1	2	3	4	5
		ONSHORE		
GUJARAT				
1970-71	465	-	155	310
1975-76	773	-	136	637
1980-81	842	-	146	696
1981-82	758	-	77	681
1982-83	750	-	55	695
1983-84	748	-	67	681
1984-85	775	-	85	690
1985-86	919	-	118	801
1986-87	971	-	184	787
1987-88	1005	-	268	737
1988-89	1258	-	358	900
1989-90	1613	-	478	1135
1990-91	1696	-	402	1294
1991-92	1898	-	318	1580
1992-93	1946	-	229	1717
1993-94	2166	-	257	1909
1994-95*	2462	-	280	2182
ASSAM $				
1970-71	980	36	607	337
1975-76	1595	162	946	487
1980-81	843	67	257	519
1981-82	1748	110	768	870
1982-83	1829	91	876	862
1983-84	1954	45	1025	884
1984-85	2058	48	1074	936
1985-86	2035	66	887	1082
1986-87	2155	63	866	1226
1987-88	2160	54	727	1379
1988-89	2178	84	730	1364
1989-90	2182	96	689	1397
1990-91	2040	102	621	1317
1991-92	2082	132	703	1247
1992-93	2086	90	685	1311
1993-94	2025	71	710	1244
1994-95*	1946	23	595	1328
TRIPURA				
1985-86				
1986-87				
[illegible]7-88				
[illegible]89	26	-	-	26
[illegible]90	25	-	-	25
[illegible]0-91	70	-	-	70
[illegible]991-92	80	-	-	80
1992-93	115	-	-	115
1993-94	102	-	-	102
1994-95*	97	-	-	97

$: Includes Nagaland and Arunachal Pradesh.
* : Provisional

STATE-WISE GROSS AND NET PRODUCTION OF NATURAL GAS IN INDIA

(Million Cubic Metres)

Period	Gross Prodn.	Re injected	Flarred	Net Production
1	2	3	4	5
ANDHRA PRADESH				
1985-86	-	-	-	
1986-87	-	-	-	-
1987-88	-	-	-	-
1988-89	14	-	-	14
1989-90	26	-	Neg.	26
1990-91	46	-	5	41
1991 -92	150	-	6	144
1992-93	507	-	6	501
1993-94	610	-	17	593
1994-95*	640	-	22	618
TAMIL NADU				
1985-86	-	-	-	
1986-87	22	-	5	17
1987-88	43	-	11	32
1988-89	10	-	8	2
1989-90	55	-	51	4
1990-91	64	-	55	9
1991 -92	41	-	29	12
1992-93	54	-	35	19
1993-94	76	-	56	20
1994-95*	98	-	82	16
TOTAL ONSHORE				
1970-71	1445	36	762	647
1975-76	2368	162	1082	1124
1976-77	2380	190	809	1381
1980-81	1685	67	403	1215
1981-82	2506	110	845	1551
1982-83	2579	91	931	1557
1983-84	2702	45	1092	1565
1984-85	2833	48	1159	1626
1985-86	2954	66	1005	1883
1986-87	3148	63	1055	2030
1987-88	3208	54	1006	2148
1988-89	3486	84	1096	2306
1989-90	3901	96	1218	2587
1990-91	3916	102	1083	2731
1991-92	4251	132	1056	3063
1992-93	4708	90	955	3663
1993-94	4979	71	1040	3868
1994-95*	5243	23	979	424

: Provisional

STATE-WISE GROSS AND NET PRODUCTION OF NATURAL GAS

(Million Cubic Metres)

Period	Gross Prodn.	Re-Injected	Flarred	Net Production
1	2	3	4	5
OFFSHORE				
1970-71				
1975-76				
1976-77	48	-	48	
1980-81	673	-	366	307
1981-82	1345	-	674	671
1982-83	2357	-	957	1400
1983-84	3259	-	1425	1834
1984-85	4408	-	1893	2515
1985-86	5180	-	2113	3067
1986-87	6705	-	1663	5042
1987-88	8259	-	2439	5820
1988-89	9731	-	2787	6944
1989-90	13087	-	4502	8585
1990-91	14082		4047	10035
1991-92	14394	-	3016	11378
1992-93	13352	-	899	12453
1993-94	13356	-	884	12472
1994-95*	14138	-	1040	13098
GRAND TOTAL				
1970-71	1445	36	762	647
1975-76	2368	162	1082	1124
1976-77	2428	190	857	1381
1980-81	2358	67	769	1522
1981-82	3851	110	1519	2222
1982-83	4936	91	1888	2957
1983-84	5961	45	2517	3399
1984-85	7241	48	3052	4141
1985-86	8134	66	3118	4950
1986-87	9853	63	2718	7072
1987-88	11467	54	3445	7968
1988-89	13217	84	3883	9250
1989-90	16988	96	5720	11172
1990-91	17998	102	5130	12766
1991-92	18645	132	4072	14441
1992-93	18060	90	1854	16116
1993-94	18335	71	1924	16340
1994-95*	19381	23	2019	17339

* Provisional

STATE-WISE UTILISATION OF NATURAL GAS IN INDIA

(Mn. Cubic Metres)

Year	ONSHORE						OFFSHORE	GRAND
	Gujarat	Assam**	Tripura	Andhra Pradesh	Tamil Nadu	Total	Bombay High	Total
1	2	3	4	5	6	7	8	9
1970-71	310	337	-	-	-	647	-	647
1971-72	380	338	-	-	-	718	-	718
1972-73	414	357	-	-	-	771	-	771
1973-74	374	388	-	-	-	762	-	762
1974-75	532	419	-	-	-	951	-	951
1975-76	637	487	-	-	-	1124	-	1124
1976-77	691	690	-	-	-	1381	-	1381
1977-78	746	715	-	-	-	1461	3	1464
1978-79	744	763	-	-	-	1507	204	1711
1979-80	662	642	-	-	-	1304	372	1676
1980-81	696	519	-	-	-	1215	307	1522
1981 -82	681	870	-	-	-	1551	671	2222
1982-83	695	862	-	-	-	1557	1400	2957
1983-84	681	884	-	-	-	1565	1834	3399
1984-85	690	936	-	-	-	1626	2515	4141
1985-86	801	1082	-	-	-	1883	3067	4950
1986-87	787	1226	-	-	17	2030	5042	7072
1987-88	737	1379	-	-	32	2148	5820	7968
1988-89	900	1364	26	14	2	2306	6944	9250
1989-90	1135	1397	25	26	4	2587	8585	11172
1990-91	1294	1317	70	41	9	2731	10035	12766
1991 -92	1580	1247	80	144	12	3063	11378	14441
1992-93	1717	1311	115	501	19	3663	12453	16116
1993-94	1909	1244	102	593	20	3868	12472	16340
1994-95*	2182	1328	97	618	16	4241	13098	17339

* Provisional
** Includes Nagaland and Arunachal Pradesh.

INDUSTRY-WISE OFFTAKES OF NATURAL GAS IN INDIA

(Million Cubic Metres)

Year	Energy Purpose						Non Energy Purposes				Grand Total
	Power Generation	Industrial Fuel	Tea Plantation	Domestic Fuel	Captive Use/LPG Shrinkage	Total	Fertilizer	Petro-Chemicals	Others	Total	
1	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
1970-71	261	116	15	-	68	460	187	.	.	187	647
1971-72	313	129	19	-	61	522	196	-	-	196	718
1972-73	339	148	20	Neg.	63	570	201	-	-	187	771
1973-74	323	157	22	Neg.	81	583	179	-	-	179	762
1974-75	354	164	29	6	80	633	318	-	-	318	951
1975-76	366	143	33	13	104	659	463	-	2	465	1124
1976-77	344	155	38	15	142	694	663	-	24	687	1381
1977-78	372	165	39	13	171	760	673	9	22	704	1464
1978-79	560	175	43	13	176	967	721	5	18	744	1711
1979-80	514	156	39	13	174	896	755	7	18	780	1676
1980-81	492	163	45	14	176	890	611	5	16	632	1522
1981-82	612	166	47	15	364	1204	991	8	19	1018	2222
1982-83	1025	185	51	14	499	1774	1155	7	21	1183	2957
1983-84	1209	230	56	16	572	2083	1283	10	23	1316	3399
1984-85	1454	250	62	18	721	2505	1603	10	23	1636	4141
1985-86	1299	223	78	21	795	2416	2500	10	24	2534	4950
1986-87	2041	257	93	25	1295	3711	3335	-	26	3361	7072
1987-88	2721	281	99	34	1313	4448	3490	-	30	3520	7968
1988-89	1823	526	87	42	1329	3807	5334	21	88	5443	9250
1989-90	2140	695	78	41	1526	4480	6578	29	85	6692	11172
1990-91	3634	827	89	50	1775	6375	5612	409	370	6391	12766
1991-92	4774	766	108	72	2165	7885	5509	531	516	6556	14441
1992-93	4967	1450	105	187	1916	8625	6672	578	241	7491	16116
1993-94	4785	1794	121	189	2277	9166	6499	494	181	7174	16340
1994-95*	5229	1927	134	190	2230	9710	6936	520	173	7629	17339

* = Provisional Neg. = Negligible

X. REFINING

Petroleum Refining Capacity in India as on 1.4.1995

(Million Tonnes Per Annum)

Refinery		Year of Commissioning	Installed Capacity as on 1.4.1995	Capacity after expansion under consideration/Implementation
1.		2.	3.	4.
			A. Refineries in Operation:	
1.	IOC, Digboi	1901	0.50	
2.	BPCL, Bombay	1955	6.00	
3.	HPCL, Bombay	1954	5.50	
4.	HPCL, Visakh	1957	4.50	
5.	IOC, Guwahati	1962	1.00	
6.	IOC, Barauni	1964	3.30	
7.	IOC, Gujarat	1965	9.50	
8.	IOC, Haldia	1974	2.75	
9.	IOC, Mathura	1982	7.50	
10.	CRL, Cochin	1966	7.50	
11.	MRL, Madras	1969	6.50	
12.	BR & PL, Assam	1979	1.35	
13.	MRL, Narimanam	1993	0.50	
	Total (A)		**56.40**	
			B. Refinery Projects under Implementation	
1.	Panipat			6.00
2.	HPCL (Mangalore)			3.00
3.	Assam (Numaligarh)			3.00
4.	IOC, Digboi			0.65
5.	BR & PL, Assam			2.35

REFINERY CRUDE THROUGHPUT AND PRODUCTION OF PETROLEUM PRODUCTS DURING 1961 TO 1994

('000' Tonnes)

Year	Crude Throughput			Production		
	Public Sector	Private Sector	Total (2+3)	Public Sector	Private Sector	Total (5+6)
1	2	3	4	5	6	7
	CALENDAR YEARS					
1961	-	6440	6440	-	6090	6090
1962	241	6762	7003	193	6391	6584
1963	470	7668	8138	407	7243	7650
1964	911	8021	8932	778	7650	8428
1965	1549	8205	9754	1328	7785	9113
1966	3476	8554	12030	3186	8097	11283
1967	6359	8071	14430	5814	7638	13452
1968	7707	8389	16096	7085	7838	14923
1969	9514	7981	17495	8736	7503	16239
1970	10994	7465	18459	10132	7040	17172
1971	11198	8390	19588	10293	7932	18225
1972	11838	7834	19672	10835	7363	18198
1973	11484	9034	20518	10522	8567	19089
1974	15107	5676	20783	13935	5306	19241
1975	16723	5112	21835	15602	4766	20368
1976	21163	1599	22762	19669	1519	21188
1977	23903	527	24430	22297	498	22795
1978	25096	530	25626	23372	505	23877
1979	27649	504	28153	25874	486	26360
1980	24668	407	25075	23213	384	23597
1981	29128	400	29528	27193	382	27575
1982	32107	-	32107	29984	-	29984
1983	34534	-	34534	32298	-	32298
1984	35235	-	35235	32963	-	32963
1985	41226	-	41226	38264	-	38264
1986	44940	-	44940	41877	-	41877
1987	47445	-	47445	44583	-	44583
1988	47896	-	47896	44730	-	44730
1989	51974	-	51974	48724	-	48724
1990	51671	-	51671	48402	-	48402
1991	50954	-	50954	47916	-	47916
1992	54254	-	54254	51041	-	51041
1993	53509	-	53509	50396	-	50396
1994	56407	-	56407	52872	-	52872

REFINERY CRUDE THROUGHPUT AND PRODUCTION OF PETROLEUM PRODUCTS DURING 1961-62 TO 1994-95

('000' Tonnes)

Year	Crude Throughput			Production		
	Public Sector	Private Sector	Total (2+3)	Public Sector	Private Sector	Total (5+6)
1	2	3	4	5	6	7
			FINANCIAL YEARS			
1961-62	60	6524	6584	11	6184	6195
1962-63	300	6964	7264	274	6627	6901
1963-64	554	7920	8474	493	7492	7985
1964-65	1005	8005	9010	842	7636	8478
1965-66	1966	8267	10233	1733	7828	9561
1966-67	4166	8547	12713	3741	8141	11882
1967-68	6783	8022	14805	6257	7512	13769
1968-69	8088	8459	16547	7457	7932	15389
1969-70	10087	7825	17912	9250	7342	16592
1970-71	10820	7559	18379	9965	7145	17110
1971-72	11575	8467	20042	10623	8016	18639
1972-73	11565	7763	19328	10575	7255	17830
1973-74	11616	9342	20958	10647	8848	19495
1974-75	15572	5522	21094	11572	8031	19603
1975-76	17045	5238	22283	15895	4934	20829
1976-77	21694	1301	22995	20203	1229	21432
1977-78	24364	534	24898	22712	507	23219
1978-79	25450	524	25974	23692	501	24193
1979-80	27066	408	27474	25403	391	25794
1980-81	25333	503	25836	23646	477	24123
1981-82	29912	234	30146	27931	251	28182
1982-83	33156	-	33156	31073	-	31073
1983-84	35263	-	35263	32926	-	32926
1984-85	35556	-	35556	33236	-	33236
1985-86	42910	-	42910	39881	-	39881
1986-87	45699	-	45699	42761	-	42761
1987-88	47754	-	47754	44728	-	44728
1988-89	48803	-	48803	45699	-	45699
1989-90	51942	-	51942	51942	-	48690
1990-91	51772	-	51772	48562	-	48562
1991-92	51423	-	51423	48349	-	48349
1992-93	53482	-	53482	50359	-	50359
1993-94	54296	-	54296	51084	-	51084
1994-95*	56534	-	56534	52927	-	52927

*: Provisional

REFINERY-WISE CRUDE RUN AND TOTAL PRODUCTION OF POL PRODUCTS DURING 1980-81 TO 1994-95

('000' Tonnes)

Year	AOD	BPCL	HPCL	HPCL VISAKH	Guwahati	Barauni
1	2	3	4	5	6	7
1980-81:						
Total Production	477	4629	2907	1208	577	432
Crude Run	503	4901	3113	1319	639	504
1982-83:						
Total Production	501	4272	2926	1004	733	2861
Crude Run	521	4485	3124	1077	802	3071
1984-85:						
Total Production	511	5230	3021	1157	712	2710
Crude Run	531	5481	3220	1249	761	2896
1985-86:						
Total Production	511	5981	4102	2438	696	2513
Crude Run	529	6389	4375	2659	766	2766
1986-87:						
Total Production	530	5277	4752	3452	738	2604
Crude Run	551	5580	5011	3715	802	2638
1987-88:						
Total Production	468	6178	5170	3351	770	2394
Crude Run	547	6539	5456	3621	815	2638
1988-89:						
Total Production	558	5811	5243	3514	675	2591
Crude Run	574	6132	5506	3762	762	2815
1989-90:						
Total Production	544	6728	5520	3976	801	2709
Crude Run	570	7037	5755	4280	856	2964
1990-91:						
Total production	540	6603	5506	3231	712	2206
Crude Run	566	6957	5766	3464	783	2416
1991-92:						
Total Production	524	6630	4496	3676	793	2060
Crude Run	546	6940	4729	3920	856	2262
1992-93:						
Total Production	523	6875	5619	4274	749	2097
Crude Run	547	7233	5849	4527	815	2287
1993-94:						
Total Production	535	6831	5774	4203	840	2051
Crude Run	554	7203	6018	4448	910	2222
1994-95*						
Total Production	509	7071	4913	4759	833	2039
Crude Run	536	7506	5234	5014	884	2220

*: Provisional

REFINERY-WISE CRUDE RUN AND TOTAL PRODUCTION OF POL PRODUCTS DURING 1980-81 TO 1994-95

('000' Tonnes)

Year	Gujarat	Haldia	Mathura	CRL	MRL MADRAS	MRL NARIMANAM	BRPL	TOTAL
1	2	3	4	5	6	7	8	9
1980-81:								
Total Production	6629	2056	-	2795	2376	-	37	24123
Crude Run	6974	2308	-	2912	2611	-	52	25836
1982-83:								
Total Production	6667	2301	3610	3048	2635	-	515	31073
Crude Run	7089	2503	3844	3187	2857	-	596	33156
1984-85:								
Total Production	7290	2101	5909	826	3139	-	630	33236
Crude Run	7777	2365	6239	872	3413	-	752	35556
1985-86:								
Total Production	7305	2579	5734	2560	4723	-	739	39881
Crude Run	7830	2822	6075	2749	5057	-	893	42910
1986-87:								
Total Production	7384	2390	6006	3954	4842	-	847	42776
Crude Run	7835	2623	6353	4166	5192	-	1011	45699
1987-88:								
Total Production	7936	2527	6202	3946	4751	-	941	44634
Crude Run	8444	2808	6535	4111	5131	-	1109	47754
1988-89:								
Total Production	8071	2405	6162	4545	5155	-	969	45699
Crude Run	8656	2636	6557	4761	5476	-	1166	48803
1989-90:								
Total Production	8544	2609	6814	4344	5096	-	1005	48690
Crude Run	9109	2824	7208	4616	5510	-	1214	51942
1990-91:								
Total production	8791	2608	7414	4715	5279	-	957	48562
Crude Run	9334	2835	7808	5006	5698	-	1139	51772
1991 -92:								
Total Production	8877	2791	7825	4554	5147	-	976	48349
Crude Run	9379	3021	8231	4846	5529	-	1164	51423
1992-93:								
Total Production	9258	2810	7430	4853	4927	-	944	50359
Crude Run	9780	3040	7843	5122	5323	-	1116	53482
1993-94:								
Total Production	8830	2878	8121	4568	5313	120	1020	51084
Crude Run	9434	3106	8518	4862	5728	126	1167	54296
1994-95:*								
Total Production	9148	2998	8018	4803	6461	370	1005	52927
Crude Run	9888	3258	8377	5135	6921	382	1179	56534

** : Provisional.*

TRENDS IN DOMESTIC PRODUCTION OF PETROLEUM PRODUCTS DURING THE YEARS 1981-82 TO 1994-95

(Qty. '000' Tonnes)

Products	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
1. Light Distillates:	**5138**	**5313**	**6134**	**6315**	**8253**	**9069**	**9245**	**9451**	**10021**	**10023**	**9673**	**9966**	**10118**	**11625**
of which														
LPG@	410	406	514	596	867	995	1026	1034	1179	1221	1250	1249	1314	1432
MS	1614	1797	1937	2144	2306	2515	2662	2822	3328	3552	3420	3709	3843	4129
Naphtha	3004	2986	3578	3470	4955	5437	5462	5378	5227	4859	4546	4586	4666	5662
2. Middle Distillates:	**14134**	**15625**	**16873**	**17226**	**21613**	**23324**	**24563**	**25362**	**26867**	**26344**	**26371**	**27004**	**27799**	**28695**
of which														
Kerosene	2907	3393	3528	3364	4030	4912	5104	5201	5700	5471	5339	5199	5270	5261
ATF/RTF/Jet A-1	1009	1137	1195	1297	1519	1553	1695	1753	1575	1801	1539	1636	1788	1968
HSD	9042	9761	10862	11086	14624	15450	16296	16656	17737	17185	17404	18289	18809	19593
LDO	949	1121	1081	1253	1177	1172	1259	1468	1540	1509	1482	1453	1474	1364
3. Heavy Ends:	**8910**	**10135**	**9919**	**9694**	**10015**	**10368**	**10870**	**10886**	**11802**	**12195**	**12305**	**13389**	**13167**	**12607**
of which														
F.O.	4015	4829	4588	4095	3791	3865	4563	4243	4543	4879	5430	6359	6163	5728
LSHS/HHS/RFO	2893	3135	3412	3791	4164	4146	3903	4614	4409	4550	4207	4044	4141	4094
Total Fuel Oils	6908	7964	8000	7886	7955	8011	8466	8857	8952	9429	9637	10403	10304	9822
Lube Oils	407	434	470	414	501	491	478	497	547	561	390	533	489	504
Bitumen	1298	1397	1069	944	1107	1224	1370	1548	1671	1603	1710	1862	1874	1845
Petroleum Coke	141	149	136	181	192	264	257	275	275	229	216	221	233	259
Paraffin wax										49	44	47	45	43
Other Waxes										46	46	51	47	58
TOTAL PRODUCTION:	**28182**	**31073**	**32926**	**33236**	**39881**	**42761**	**44728**	**45699**	**48690**	**48562**	**48349**	**50359**	**51084**	**52927**
Crude Throughput	**30146**	**33156**	**35263**	**35556**	**42910**	**45699**	**47754**	**48803**	**51942**	**51772**	**51423**	**53482**	**54296**	**56534**
LPG Production from Natural Gas	73	169	223	277	363	494	558	726	769	929	1235	1323	1385	1426
NGL Production	-	25	50	58	83	186	264	414	589	606	992	1245	1331	1020

@: Excludes LPG production from Natural Gas. *: Provisional.

PRODUCTION OF PETROLEUM PRODUCTS-1987 TO 1994

('000' Tonnes)

PRODUCT	PRODUCTION								% VARIATION	
	1987	1988	1989	1990	1991	1992	1993	1994	1993/1992	1994/1993
1	2	3	4	5	6	7	8	9	10	11
					(A) From Crude Oil					
1. Light Distillates:	**9318**	**9285**	**10086**	**9846**	**9544**	**10171**	**9930**	**11326**	**-2.4**	**+14.1**
of which										
LPG@	1021	1010	1163	1215	1229	1254	1295	1394	+3.3	+7.6
MS	2789	2700	3242	3536	3453	3646	3803	4097	+4.3	+7.7
Naphtha	5574	5361	5422	4730	4423	4786	4533	5466	-5.3	+20.6
SBPS/Hexane	48	74	85	122	133	135	123	121	-8.9	-1.6
2. Middle Distillates:	**24332**	**24951**	**26949**	**26503**	**26295**	**27354**	**27156**	**28788**	**-0.7**	**+6.0**
of which										
Kerosene	5113	5116	5507	5686	5270	5331	5289	5206	-0.8	-1.6
ATF/Jet A-1/RTF	1647	1756	1654	1649	1656	1626	1706	1992	+4.9	+16.8
H.S.D.	16106	16399	17979	17121	17259	18482	18289	19676	-1.0	+7.6
L.D.O	1242	1424	1512	1525	1499	1514	1412	1419	-6.7	+0.5
J.B.O	63	61	77	80	83	68	77	82	+13.2	+6.5
M.T.O.	110	110	130	136	148	132	142	157	+7.6	+10.6
3. Heavy Ends:	**10933**	**10494**	**11689**	**12053**	**12076**	**13516**	**13319**	**12758**	**-1.5**	**-4.2**
of which										
F.O.	4659	4155	4491	4856	4982	6524	6289	5798	-3.6	-7.8
LSHS/HHS/RFO	3957	3689	4395	4454	4434	4051	4152	4062	+2.5	-2.2
Total Fuel Oils	8616	7844	8886	9310	9416	10575	10441	9860	-1.3	-5.6
Lube Oils	507	577	556	548	410	503	515	529	+2.4	+2.7
Bitumen	1351	1556	1595	1598	1676	1836	1844	1904	+0.4	+3.3
Pet. Coke*	267	272	277	246	229	223	216	258	-3.1	+19.4
Paraffin wax				49	45	47	45	43	-4 3	-4.4
Other waxes				44	44	56	45	59	-19.6	+31.1
Total waxes	75	85	95	93	89	103	90	102	-12.6	+13.3
4. Total Production	**44583**	**44730**	**48724**	**48402**	**47916**	**51041**	**50405**	**52872**	**-1.2**	**+4.9**
5. Crude Run	**47445**	**47896**	**51974**	**51671**	**50954**	**54254**	**53516**	**56407**	**-1.4**	**+5.4**
					(b) From Natural Gas					
6. L.P.G.	542	706	764	860	1173	1312	1367	1408	+4.2	+3.0
7. N.G.L.	236	386	518	621	940	1009	1076	900	+6.6	-16.4

* Includes Calcined pet. Coke @: Excludes LPG production from natural gas.

PATTERN OF REFINERY PRODUCTION

(Percentages)

PRODUCTS	1987	1988	1989	1990	1991	1992	1993	1994
Light Distillates	19.6	19.4	19.4	19.1	18.7	18.7	18.6	20.1
Middle Distillates	51.3	52.1	51.8	51.3	51.6	50.4	50.7	51.0
Total Fuel Oils	18.2	16.4	17.1	18.0	18.5	19.5	19.5	17.5
Lubes	1.1	1.2	1.1	1.1	0.8	0.9	1.0	0.9
Bitumen	2.8	3.3	3.1	3.1	3.3	3.4	3.4	3.4
Others	1.0	1.0	1.2	1.1	1.1	1.2	1.0	0.8
Total Production	**94.0**	**93.4**	**93.7**	**93.7**	**94.0**	**94.1**	**94.2**	**93.7**
RBF & Losses/Inventories	6.0	6.6	6.3	6.3	6.0	5.9	5.8	6.3
Crude Run	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

PRODUCTION OF PETROLEUM PRODUCTS-1987-88 TO 1994-95

('000' Tonnes)

PRODUCT	PRODUCTION								% VARIATION	
	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1993-94 / 1992-93	1994-95 / 1993-94
1	2	3	4	5	6	7	8	9	10	11
					(A) From Crude Oil					
1. Light Distillates:	**9245**	**9451**	**10021**	**10023**	**9673**	**9966**	**10118**	**11625**	**+1.5**	**+14.9**
of which										
L. P. G@	1026	1034	1179	1221	1250	1249	1314	1432	+5.2	+9.0
MS	2662	2822	3328	3552	3420	3709	3843	4129	+3.6	+7.4
Naphtha	5462	5378	5227	4859	4546	4586	4666	5662	+1.7	+21.3
SBPS/Hexane	74	72	96	125	135	129	120	118	-7.0	-1.7
2. Middle Distillates:	**24563**	**25362**	**25867**	**26344**	**26371**	**27004**	**27799**	**28695**	**+2.9**	**+3.2**
of which										
Kerosene	5104	5201	5700	5471	5339	5199	5270	5261	+1.4	-0.2
ATF/Jet A-1/RTF	1695	1753	1575	1801	1539	1636	1788	1968	+9.3	+10.1
H.S.D.	16296	16656	17737	17185	17404	18289	18809	19593	+2.8	+4.2
L.D.O.	1259	1468	1540	1509	1482	1453	1474	1364	+1.4	-7.5
J.B.O.	63	72	74	82	82	72	74	87	+2.8	+17.6
M.T.O.	109	115	128	146	143	133	145	156	+9.0	+7.6
3. Heavy Ends:	**10870**	**10886**	**11802**	**12195**	**12305**	**13389**	**13167**	**12607**	**-1.7**	**-4.3**
of which										
F.O.	4563	4243	4543	4879	5430	6358	6163	5728	-3.1	-7.1
LSHS/HHS/RFO	3903	3928	4409	4550	4207	4044	4141	4094	+2.4	-1.1
Total Fuel Oils	8466	8171	8952	9429	9637	10402	10304	9822	-0.9	-4.7
Lube Oils	478	497	547	561	390	533	489	504	-8.3	+3.1
Bitumen	1370	1548	1671	1603	1710	1862	1874	1845	+0.6	-1.5
Pet. Coke*	257	275	275	229	216	221	233	259	+5.4	+11.2
Paraffin wax				49	44	47	45	43	-4.3	-4.4
Other waxes				46	46	51	47	58	-7.8	+23.4
Total waxes	75	88	95	95	90	98	92	101	-6.1	+9.8
4. Total Production	**44728**	**45699**	**48690**	**48562**	**48349**	**50359**	**51084**	**52927**	**+1.**	**+3.6**
5. Crude Run	**47754**	**48803**	**51942**	**51772**	**51423**	**53482**	**54296**	**56534**	**+1.5**	**+4.1**
					(b) From Natural Gas					
6. L.P.G.	558	726	769	929	1235	1323	1385	1426	+4.7	+3.0
7. N.G.L.	264	414	589	606	992	1245	1331	1020	+6.9	-23.4

@.: Excludes LPG Production from natural gas.
*: Includes calcined pet. coke.

PATTERN OF REFINERY PRODUCTION

(Percentages)

PRODUCTS	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95
Light Distillates	19.4	19.4	19.3	19.4	18.8	18.6	18.6	20.5
Middle Distillates	51.4	52.0	51.7	51.9	51.3	50.5	51.2	50.7
Total Fuel oils	17.7	16.7	17.2	18.2	18.7	19.4	19.0	17.4
Lubes	1.0	1.0	1.1	1.1	0.8	1.0	0.9	0.9
Bitumen	2.9	3.2	3.2	3.1	3.3	3.5	3.5	3.3
Others	1.3	1.3	1.2	1.1	1.1	1.2	0.9	0.8
Total Production	93.7	93.6	93.7	93.8	94.0	94.2	94.1	93.6
RBF & Losses/Inventories	6.3	6.4	6.3	6.2	6.0	5.8	5.9	6.4
Crude Run	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

XI. CONSUMPTION/SALES

TOTAL SALES/CONSUMPTION OF PETROLEUM PRODUCTS

(Incl. Sales to Nepal*, Sikkim, Bhutan and Bunkers/International Airlines)

(Qty. '000' Tonnes)

Year	Total Con-Sumption	% age Growth	Year	Total Consumption	% age Growth
1	2	3	4	5	6
1948	2657	-2.9	1948-49	2774e	+2.1
1949	3125	+17.6	1949-50	3174e	+14.4
1950	3319	+6.2	1950-51	3485e	+9.8
1951	3888	+17.1	1951-52	3851e	+10.5
1952	3741	-3.8	1952-53	3785e	-1.7
1953	3916	+4.7	1953-54	3948e	+4.3
1954	4089	+4.4	1954-55	4270e	+8.2
1955	4817	+17.8	1955-56	4920e	+15.2
1956	5229	+8.6	1956-57	5376e	+9.3
1957	5819	+11.3	1957-58	5894e	+9.6
1958	6117	+5.1	1958-59	6291e	+6.7
1959	6812	+11.4	1959-60	7100e	+12.9
1960	7964	+16.9	1960-61	8285	+16.7
1961	8570	+7.6	1961-62	8724	+5.3
1962	9536	+11.3	1962-63	9832	+12.7
1963	10387	+8.9	1963-64	10671	+18.3
1964	11478	+10.5	1964-65	11700	+9.7
1965	12356	+7.6	1965-66	12437	+6.3
1966	12990	+5.1	1966-67	13348	+7.3
1967	14133	+8.8	1967-68	14397	+7.9
1968	15871	+12.3	1968-69	16305	+ 13.3
1969	17371	+9.3	1969-70	17797	+9.2
1970	18816	+8.3	1970-71	19135	+7.5
1971	20706	-10.0	1971-72	21299	+11.3
1972	22675	+9.5	1972-73	22978	+11.3
1973	23726	+4.6	1973-74	23574	+2.6
1974	23023	-3.0	1974-75	23302	+1.2
1995	23541	+2.2	1975-76	23673	+1.6
1976	24897	+5.8	1976-77	25400	+7.3
1977	26570	+6.7	1977-78	26990	+6.3
1978	28894	+8.7	1978-79	29719	+10.1
1979	31306	+8.3	1979-80	31323	+ 5.4
1980	31633	+1.0	1980-81	32261	+ 3.0
1981	34037	+7.6	1981-82	34107	+ 5.7
1982	35403	+4.0	1982-83	36395	+ 6.7
1983	37223	+5.1	1983-84	37776	+ 3.8
1984	39934	+7.3	1984-85	40828	+ 8.1
1985	42973	+7.6	1985-86	43363	+ 6.2
1986	45483	+5.8	1986-87	46274	+ 6.7
1987	48048	+5.9	1987-88	48938	+ 5.8
1988	51308	+6.8	1988-89	52882	+ 8.1
1989	55801	+8.8	1989-90	56779	+7.4
1990	57943	+3.8	1990-91	57745	+1.7
1991	58462	+0.9	1991-92	59603	+3.2
1992	62092	+6.2	1992-93	61655	3.4
1993	62836	+1.2	1993-94	63648	3.2
1994	64280	+2.3	1994-95	68624	7.2

Note :- i) Includes Refinery fuel from 1960/1960-61 onwards
ii) Prior to that Refinery fuel consumption is not available
*= Excludes sales to Nepal from 1975/1975-76 onwards
e = Estimated.

TRENDS IN SALES/CONSUMPTION OF PETROLEUM PRODUCTS DURING THE PERIOD 1981-82 TO 1994-95

PRODUCTS	1981-82	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95*	% share of the total
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1. Light Distillates:	**5187**	**6318**	**6776**	**7412**	**7547**	**8619**	**9412**	**9801**	**10115**	**10310**	**10570**	**11637**	**16.9**
of which													
LPG	492	953	1241	1497	1686	1962	2268	2415	2650	2866	3113	3434	5.0
Mogas	1599	2084	2275	2505	2810	3052	3491	3545	3573	3595	3834	4141	60
Naphtha	2963	3125	3106	3249	2852	3364	3350	3446	3461	3382	3191	3400	4.4
2. Middle Distillates:	**17919**	**22429**	**23948**	**25656**	**28005**	**29955**	**32484**	**33106**	**34404**	**36152**	**38146**	**40976**	**59.7**
of which													
Kerosene	4693	5959	6229	6645	7231	7731	8239	8423	8377	8478	8704	8964	13.1
ATF/JetA-1	1128	1336	1453	1603	1654	1713	1775	1677	1559	1565	1741	1903	2.8
HSD	10832	13696	14886	16009	17657	18795	20706	21139	22680	24293	25878	28261	41.2
LDO	1036	1198	1123	1156	1245	1437	1486	1506	1462	1407	1370	1369	2.0
3. Heavy Ends:	**9417**	**10048**	**10148**	**10595**	**10864**	**11518**	**12199**	**12128**	**12455**	**12440**	**12096**	**12873**	**18.8**
FO/TDO	4306	4256	3806	3793	4191	4605	4490	4462	4937	5273	5026	5837	8.5
LSHS/HHS	2878	3688	4094	4254	3953	3851	4330	4524	4265	3994	4166	4052	5.9
Total Fuel Oils	7184	7944	7900	8047	8144	8456	8820	8986	9202	9267	9192	9889	14.4
Lube oils	567	634	658	721	756	811	888	857	895	811	663	643	0.9
Greases	25	30	42	34	35	36	38	35	37	35	25	25	Neg.
Lubes & Greases (Total)	592	664	700	755	791	847	926	892	932	846	688	688	1.0
Bitumen	1292	935	1126	1309	1379	1498	1695	1581	1706	1823	1824	1939	2.8
Petroleum Coke	174	234	163	208	246	316	383	290	266	152	132	197	0.3
Paraffin Wax								70	69	70	74	72	0.1
OtherWaxes								47	45	50	45	59	0.1
Other Misc	175	271	259	275	304	401	375	262	235	232	141	49	Neg.
Total (1+2+3)	**32523**	**38795**	**40872**	**43662**	**46416**	**50092**	**54095**	**55035**	**56974**	**58902**	**60812**	**65487**	**95.4**
Refinery Fuel	**1584**	**2033**	**2491**	**2612**	**2522**	**2790**	**2684**	**2710**	**2629**	**2753**	**2836**	**3137**	**4.6**
Grand Total	**34107**	**40828**	**43363**	**46274**	**48938**	**52882**	**56779**	**57745**	**59603**	**61655**	**63648**	**68624**	**100**

* Provisional

PRODUCT- WISE SALES/CONSUMPTION OF PETROLEUM PRODUCTS DURING THE YEARS 1986 TO 1994

(Qty. '000' Tonnes)

PRODUCT	1986	1987	1988	1989	1990	1991	1992	1993	1994	% Change 1994/1993
1	2	3	4	5	6	7	8	9	10	11
1. Light Distillates	**7213**	**7415**	**8286**	**9259**	**9750**	**10005**	**10288**	**10492**	**11259**	**7.3**
L.P.Gas	1431	1629	1887	2181	2396	2565	2848	3035	3346	10.2
Mogas	2428	2735	2974	3370	3583	3587	3592	3761	4037	7.3
Naphtha	3194	2875	3258	3421	3397	3418	3380	3310	3258	(-)1.6
SBP/Haxane	62	65	75	105	127	141	157	149	141	(-)5.4
Others	98	111	92	181	247	297	311	237	477	101.3
2. Middle Distillates:	**23714**	**25208**	**27318**	**31926**	**33201**	**33715**	**36370**	**37416**	**40280**	**7.7**
Kerosene	6522	7088	7595	8089	8423	8412	8573	8618	8931	3.6
ATF/Jet A-1	1588	1627	1691	1752	1734	1563	1562	1683	1870	11.1
HSD	15703	17165	18325	20329	21176	21976	24396	25323	27623	9.1
LDO/MDO	1149	1220	1379	1491	1512	1432	1464	1343	1396	3.9
JBO/Wash Oil	75	62	65	74	83	83	70	76	83	9.2
MTO	101	103	107	118	133	136	131	138	149	8.0
Others	70	53	54	73	140	113	174	235	228	3.0
3. Heavy Ends:	**10456**	**10811**	**11352**	**11938**	**12286**	**12121**	**12641**	**12048**	**12741**	**5.6**
F.O./TDO	3761	4024	4696	4353	4672	4535	5402	4968	5639	13.5
LSHS/HHS	4255	4126	3664	4347	4424	4415	3980	4122	4086	(-)0.9
Fuel Oils (total)	8016	8150	8360	8700	9096	8950	9382	gogo	9725	7.0
Lubes & Greases	736	794	832	884	904	877	888	750	657	(-)12.4
Biumen/Asphalt	1216	1357	1512	1597	1609	1662	1831	1796	1800	0.2
Pet. Coke	199	212	280	369	309	281	182	116	199	71.6
Wax	86	78	84	110	120	111	122	119	129	8.4
others	203	222	284	278	248	240	236	177	231	30.5
Total (1+2+3)	**42877**	**45544**	**48854**	**53123**	**55237**	**55841**	**59299**	**59956**	**64280**	**7.2**
Refinery Fuel @	**2606**	**2504**	**2454**	**2678**	**2706**	**2621**	**2793**	**2880**	**3093**	**7.4**
GRAND TOTAL:	**45483**	**48048**	**51308**	**55801**	**57943**	**58462**	**62092**	**62836**	**67373**	**7.2**

@ = RBF, Lube Refinery Fuel & TPs Fuel.

P = Provisional

PRODUCT-WISE SALES/CONSUMPTION OF PETROLEUM PRODUCTS DURING THE YEARS 1986-87 TO 1994-95

(Qty. '000' Tonnes)

PRODUCT	1986 -87	1987 -88	1988 -89	1989 -90	1990 -91	1991 -92	1992 -93	1993 -94	1994 -95	% Change 1994-95/ 1993-94
1	2	3	4	5	6	7	8	9	10	11
1. Light Distillates	**7412**	**7547**	**8619**	**9412**	**9801**	**10115**	**10310**	**10570**	**11637**	**10.1**
L.P.Gas	1497	1686	1962	2268	2415	2650	2866	3113	3434	10.3
Mogas	2505	2810	3052	3491	3545	3573	3595	3834	4141	8.0
Naphtha	3249	2852	3364	3350	3446	3461	3382	3191	3400	6.5
SBP/Haxane	64	66	86	112	134	I 42	155	144	145	0.7
Others	97	128	155	191	261	289	312	288	517	79.5
2. Middle Distillates:	**25656**	**28005**	**29955**	**32484**	**33106**	**34404**	**36152**	**38146**	**40976**	**7.4**
Kerosene	6645	7231	7731	8239	8423	8377	8478	8704	8964	3.0
ATF/JetA-1	1603	1654	1713	1775	1677	1559	1565	1741	1903	0/3
HSD	16009	17657	18795	20706	21139	22680	24293	25878	28261	9.2
LDO/MDO	1156	1245	1437	1486	1506	1462	1407	1370	1369	(-)0.1
JBO/Wash Oil	70	62	72	77	82	75	76	77	87	13.0
MTO	102	104	110	118	140	136	124	144	151	4.9
Others	71	52	97	83	139	115	209	232	241	3.9
3. Heavy Ends:	**10594**	**10864**	**11518**	**12199**	**12128**	**12455**	**12440**	**12096**	**12873**	**6.4**
F.O./TDO	3793	4191	4605	4490	4462	4937	- 5273	5026	5837	16.1
LSHS/HHS	4254	3953	3851	4330	4524	4265	3994	4166	4052	(-)2.7
Fuel Oils (total)	8047	8144	8456	8820	8986	9202	9267	9192	9889	7.6
Lubes & Greases	755	791	847	926	892	932	846	688	668	(-2.9)
Bitumen/Asphalt	1309	1379	1498	1695	1581	I706	1823	1824	1939	6.3
Pet. Coke	208	246	316	383	290	266	152	132	197	49.2
Wax	82	81	106	116	117	114	120	119	131	10.0
Others	193	223	295	259	262	235	232	141	49	(-)65.3
Total (1+2+3)	**43662**	**46416**	**50092**	**54095**	**55035**	**56974**	**58902**	**60812**	**65487**	**7.7**
Refinery Fuel @	2612	2522	2790	2684	2710	2629	2753	2836	3137	10.6
GRAND TOTAL:	**46274**	**48938**	**52882**	**56779**	**57745**	**59603**	**61655**	**63648**	**68624**	**7.8**

@ RBF, Lube Refinery Fuel & TPs Fuel.

SEASONAL INDICES OF THE SALES/CONSUMPTION OF MAJOR PETROLEUM PRODUCTS IN INDIA.
(Base: 1980-81)

MONTH	M.S.	A.T.F.	KERO-SENE	H.S.D.	L.D.O.	BITUMEN	ALL PRODUCTS
1	2	3	4	5	6	7	8
April	8.33	8.17	7.92	8.83	7.83	8.25	7.09
May	9.00	8.42	7.92	9.00	7.75	8.25	8.34
June	8.41	8.00	7.92	8.33	7.25	7.42	8.17
1st Quarter							
Total	**25.74**	**24.59**	**23.76**	**26.16**	**22.83**	**23.92**	**23.60**
July	8.17	8.00	8.16	8.00	7.42	7.33	8.17
August	8.00	8.16	8.08	7.25	7.42	7.58	8.00
September	7.92	8.25	8.25	7.33	8.41	7.00	8.00
2nd Quarter							
Total	**24.09**	**24.41**	**24.49**	**22.58**	**23.25**	**21.91**	**24.17**
October	8.33	8.42	8.42	8.08	8.75	7.59	8.34
November	8.17	8.67	8.83	8.50	9.33	8.00	8.59
December	8.67	8.33	8.92	8.92	10.00	9.33	9.09
3rd Quarter							
Total	**25.17**	**25.42**	**26.17**	**25.50**	**26.08**	**24.92**	**26.02**
January	8.33	8.67	8.92	8.67	9.17	9.33	8.84
February	8.17	8.08	8.50	8.17	8.00	8.83	8.42
March	8.50	8.83	8.16	8.92	8.67	11.09	8.95
4th Quarter							
Total	**25.00**	**25.58**	**25.58**	**25.76**	**25.84**	**29.25**	**26.21**
TOTAL:	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**

NOTE: (I) Based on Sales/Consumption data from 1980-81 to 1987-88 (Prov.)
(ii) Moving Average Method.

SALES/CONSUMPTION OF PETROLEUM PRODUCTS AND MARKET SHARE OF OIL COMPANIES IN INDIA 1970-71 TO 1994-95

(Qty. '000' Tonnes)

YEAR		I.O.C	B.Shell/ BPCL	Esso/ HPCL	Caltex/@ HPCL(VMU)	IBP	Others	TOTAL
1	2	3	4	5	6	7	8	9
1970-71	S/C	9212	4219	2538	1279	291	373	17912
	%	51.4	23.6	14.2	7.1	1.6	2.1	100
1971—72	S/C	10959	4153	2717	1316	404	522	20071
	%	54.6	20.7	13.5	6.6	2.0	2.6	100
1972-73	S/C	12788	4085	2620	1185	474	564	21716
	%	58.9	18.8	12.1	5.4	2.2	2.6	100
1973-74	S/C	13745	3985	2392	1095	536	593	22346
	%	61.5	17.8	10.7	4.9	2.4	2.7	100
1974-75	S/C	14363	3184	2510	972	620	456	22105
	%	65.0	14.4	11.4	4.4	2.8	2.0	100
1975-76	S/C	14525	3151	2647	931	659	534	22447
	%	64.7	14.0	11.8	4.2	2.9	2.4	100
1976-77	S/C	15321	3775	2809	974	702	520	24101
	%	63.6	15.7	11.6	4.0	2.9	2.2	100
1977-78	S/C	15721	4217	3083	1146	826	546	25539
	%	61.5	16.5	12.1	4.5	3.2	2.2	100
1978-79	S/C	17223	4601	3488	1348	938	643	28241
	%	61.0	16.3	12.3	4.8	3.3	2.3	100
1979-80	S/C	I 8136	4968	3768	1393	1012	1618	29883
	%	60.7	16.6	12.6	4.7	3.4	2.0	100
1980-81	S/C	18494	5297	5596		1034	475	30896
	%	59.9	17.1	18.1		3.3	1.6	100
1981-82	S/C	20155	5317	5687		1107	257	32523
	%	62.0	16.3	17.5		3.4	0.8	100
1982-83	S/C	21317	5760	6079		1252	249	34657
	%	61.5	16.6	17.6		3.6	0.7	100
1993-84	S/C	21629	6211	6491		1326	184	35841
	%	60.4	17.3	18.1		3.7	0.5	100
1984-85	S/C	22977	7069	6995		1469	285	38795
	%	59.2	18.2	18.0		3.8	0.8	100
1985-86	S/C	23840	7580	7638		1552	262	40872
	%	58.3	18.6	18.7		3.8	0.6	100
1986-87	S/C	25820	7935	7944		1669	294	43662
	%	59.1	18.2	18.2		3.8	0.7	100
1887-88	S/C	27083	8558	8720		1880	175	46416
	%	58.3	18.4	18.8		4.1	0.4	100
1988-89	S/C	28986	9330	9445		1971	360	50092
	%	57.9	18.6	18.9		3.9	0.7	100
1989-90	S/C	30997	10183	I 0346		2206	363	54095
	%	57.3	18.8	19.1		4.1	0.7	100
1990-91	S/C	31426	10377	10576		2284	372	55035
	%	57.1	18.9	19.2		4.1	0.7	100
1991-92	S/C	32362	10688	11047		2498	379	56974
	%	56.8	18.8	19.4		4.4	0.6	100
1992-93	S/C	32906	11409	11511		2686	390	58902
	%	55.9	19.4	19.5		4.6	0.6	100
1993-94	S/C	33501	12099	12011		2860	341	60812
	%	55.1	19.9	19:7		4.7	0.6	100
1994-95	S/C	36359	13160	12588		2990	391	65487
	%	55.5	20.1	19.2		4.6	0.6	100

S/C = Sales/Consumption

@ = Included under ESSO/HPCL from 1980-81 onwards.

Source: M 16 Report for the vear 1994-95

DELIVERIES* MADE TO INTERNATIONAL/COASTAL BUNKERS DURING THE YEARS 1981-82 TO 1994-95

(Qty. '000' Tonnes)

ITEMS	1981 -82	1984 -85	1985 -86	1986 -87	1987 -88	1988 -89	1989 -90	1990 -91	1991 -92	1992 -93	1993 -94	1994 -95
1	2	3	4	5	6	7	8	9	10	11	12	13
SHIPPING INTERNATIONAL BUNKERS:												
F.O.	67.1	154.9	64.3	110.2	165 1	101.9	143.2	107.6	73.8	78.7	116.0	120.1
H.S.D.	16.8	12.4	10.1	6.4	12.0	7.2	8.6	10.7	12.9	14.3	13.3	11.8
L.D.O.	52.3	36.6	31.5	33.7	44.7	38.6	36.0	32.2	29.4	27.7	29.1	25.0
TOTAL	**136.2**	**203.9**	**105.9**	**150.3**	**221.8**	**147.7**	**187.8**	**150.5**	**116.1**	**120.7**	**158.4**	**156.9**
COASTAL BUNKERS:												
F.O.	149.6	143.2	167.7	197.6	200.0	200.0	208.4	208.0	194.3	182.9	195.4	214.4
H.S.D.	61.4	86.7	98.3	134.0	140.0	134.3	120.7	129.5	122.3	111.2	120.6	129.5
L.D.O.	36.8	49.0	39.9	35.6	32.6	38.3	38.0	34.2	34.7	39.8	40.1	38.1
TOTAL	**247.8**	**278.9**	**305.9**	**367.2**	**372.6**	**372.6**	**367.1**	**371.7**	**351.3**	**333.9**	**356.1**	**382.0**
TOTAL BUNKERS:												
F.O.	216.7	298.1	232.0	307.8	365.1	301.9	351.6	315.6	268.1	261.6	311.4	334.5
H.S.D.	78.2	99.1	108.4	140.4	152.0	141.5	129.3	140.2	135.2	125.5	133.9	141.3
L.D.O.	89.1	85.6	71.4	69.3	77.3	76.9	74.0	66.4	64.1	67.5	69.2	63.1
TOTAL	**384.0**	**482.8**	**411.8**	**517.5**	**594.4**	**520.3**	**554.9**	**522.2**	**467.4**	**454.6**	**514.5**	**538.9**

* = Excluding Sales to foreign bunkers on KNPC account by IOC.

Source : M6 report of OCC.

STATE-WISE CONSUMPTION OF MAJOR PETROLEUM PRODUCTS DURING 1994-95 (INCLUDING INTERNATIONAL BUNKERS)

('000' Tonnes)

State/UT	Naphtha	LPG	MS	SKO	ATF	HSD	LDO*	FO	LSHS/ HHS	Lubes Greases	Others	Total
A. States												
1. Andhra Pradesh	79	254	270	598	36	2422	31	221	81	48	170	4210
2. Arunachal Pradesh	—	3	14	13	2	52	—	—	—	1	5	90
2. Assam	15	51	53	260	36	359	4	64	33	8	58	941
3. Bihar	106	99	144	559	6	1458	112	391	105	45	191	3216
5. Delhi	—	277	408	240	575	929	64	57	15	30	97	2692
6. Goa	253	17	28	29	22	167	9	147	1	5	5	683
7. Gujarat	568	289	327	806	43	1920	236	450	1558	40	475	6712
8. Haryana	4	105	134	160	26	1215	45	277	138	18	58	2180
9. Himachal Pradesh	—	21	24	36	—	144	3	6	8	3	7	252
10. J. & K.	—	30	43	108	14	202	6	4	1	4	26	438
11. Karnataka	128	170	275	459	75	1517	22	365	37	34	100	3182
12. Kerala	184	116	174	273	40	1054	10	173	181	24	190	2419
13. Madhya Pradesh	2	168	187	441	23	1649	26	263	72	36	232	3099
14. Maharashtra	389	606	629	1519	591	3227	345	1205	1017	127	598	10253
15. Meghalaya	—	5	16	16	—	79	—	—	—	1	9	126
16. Manipur	—	6	9	22	1	22	—	—	—	1	19	80
17. Mizoram	—	4	5	7	—	17	—	—	—	—	5	38
18. Nagaland	—	4	10	11	1	25	—	—	—	1	3	55
19. Orissa	105	35	63	204	9	573	31	285	12	17	52	1386
20. Punjab	50	148	287	341	56	1605	34	532	225	28	110	3416
21. Rajasthan	232	131	167	306	43	1796	43	104	138	23	137	3120
22. Sikkim	—	1	3	6	—	7	1	2	—	—	1	21
23. Tamilnadu	487	285	291	671	84	2444	44	654	250	56	361	5627
24. Tripura	—	4	6	22	2	32	—	—	—	1	7	74
25. Uttar Pradesh	794	399	367	1023	80	3615	139	310	168	57	270	7222
26. West Begnal	4	176	150	782	114	1507	146	285	9	55	235	3463
Total (A)	**3400**	**3404**	**4084**	**8912**	**1879**	**28037**	**1351**	**5795**	**4049**	**663**	**3421**	**64995**
B. Union Territories												
1. Andaman & Nikobar	—	1	2	5	3	40	—	—	—	1	1	53
2 Chandigarh	—	19	38	20	20	51	4	16	3	2	22	195
3. Dadra & Nagar Haveli	—	Neg.	3	3	—	25	4	2	—	—	3	40
4. Daman & Diu	—	1	2	4	—	7	1	1	—	—	1	17
5. Lakshadweep	—	—	—	—	—	Neg.	—	—	—	—	1	1
6 Pondicherry	—	7	10	15	—	88	4	21	—	2	6	153
Total (B)	—	**28**	**55**	**47**	**23**	**211**	**13**	**40**	**3**	**5**	**34**	**459**
C. Outside Territories												
1. Bhutan	—	2	2	5	1	13	1	2	—	Neg	5	31
Nepal	—	—	—	—	—	—	——	—	—	—	2	2
Total(c)	—	**2**	**2**	5	1	**13**	**1**	**2**	—	Neg.	7	**33**
Grand total (A+B+C)	**3400**	**3434**	**4141**	**8964**	**1903**	**28261**	**1365**	**5837**	**4052**	**668**	**3462**	**65487**

*Excludes LDO Malarial

STATE-WISE PER CAPITA SALES/CONSUMPTION OF POL PRODUCTS

(Kgs.)

State/ Territory	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95
A. STATES										
Andhra Pradesh	38.8	40.0	42.4	46.5	51.1	50.4	52.1	56.4	59.1	63.3
Arunachal Pradesh						76.9	83.9	86.0	98.3	100.0
Assam	33.7	35.4	37.7	40.5	42.9	46.2	44.3	41.6	40.4	42.0
Bihar	26.1	28.5	30.0	33.0	33.2	33.1	33.0	35.4	33.6	37.2
Delhi	214.9	216.6	229.9	236.0	257.1	243.5	241.3	243.4	258.6	286.4
Goa						527.1	574.9	563.2	561.5	569.2
Gujarat	127.8	133.0	134.6	139.1	137.4	138.4	147.3	145.3	145.1	162.1
Haryana	80.0	88.2	94.4	86.5	99.3	104.2	110.9	112.8	122.8	132.1
HimachalPradesh	24.7	27.0	31.5	35.0	37.1	36.4	40.7	43.1	46.6	48.5
Jammu & Kashmir	33.1	37.3	41.1	42.1	41.4	37.7	45.2	46.8	52.2	56.9
Karnataka	42.6	47.0	47.5	51.4	52.7	54.9	57.6	60.0	64.2	70.7
Kerala	48.5	52.0	54.9	60.3	60.6	65.9	68.0	68.7	75.6	83.1
Madhya Pradesh	31 7	32.8	35.0	38.3	39.7	37.2	38.6	40.2	41.9	46.8
Maharashtra	101.2	101.5	106.3	117.4	121.4	120.0	118.4	124.1	129.0	129.9
Manipur	30.6	32.7	35.7	41.7	38.1	34.5	35.6	38.6	36.5	44.4
Meghalaya	40.9	42.4	43.5	53.4	57.4	57.9	61.3	66.5	66.5	70.0
Mizoram						58.3	40.8	44.9	56.5	54.2
Nagaland	40.4	40.4	44.1	53.9	49.1	43.6	40.3	44.7	43.0	45.8
Orissa	26.5	27.5	30.4	33.2	35.1	35.7	38.6	39.2	40.3	43.7
Punjab	96.5	113.8	126.8	115.5	128.3	133.5	145.9	150.5	1573	168.3
Rajasthan	39.4	42.1	43.2	55.9	56.4	51.6	55.4	59.0	64.4	70.9
Sikkim	38.9	33.3	26.2	38.1	30.2	37.2	39.4	49 3	49 3	52.5
Tamil Nadu	72.8	74.7	77.1	85.2	88.2	86.5	90.2	91.6	93.3	*100.7*
Tripura	18.8	20.6	23.5	27.2	30.4	24.0	22.6	25.8	24.7	26.4
Uttar Pradesh	31.8	34.8	35.9	39.7	41.7	40.0	42.9	44.9	46.6	51.9
West Bengal	45.1	45.9	47.6	51.2	52.5	50.4	50.1	49.5	49.1	50.9
B. OTHER AREAS										
Chandigarh	226.9	246.8	250.8	275.4	261.1	249.7	288.6	272.6	325.5	325.0
Goa, (incl. Daman & Diu Dadra & Ngr. Haveli)	368.0	393.4	400.7	719.7	438.4	141.7*	146.4*	166.7*	183.3*	285.0
Others	69.5	79.1	83.5	92.9	114.5	155.5	158.2	178.9	190.4	180.0
TOTAL ALL INDIA @	**55.9**	**59.7**	**62.0**	**63.7**	**69.1**	**68.4**	**70.5**	**72.9**	**75.2**	**81.1**

PER CAPITA CONSUMPTION OF SELECTED PETROLEUM PRODUCTS-1985-86 TO 1994-95 (INCL. BUNKERS).

(Kgs)

PRODUCT	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95
Naphtha	4.2	4.2	3.6	4.3	4.1	4.1	4.1	4.0	3.8	4.0
M.S.	3.0	3.2	3.6	3.9	4.2	4.2	4.2	4.2	4.5	4.9
SKO	8.3	8 6	9.1	9.8	10.0	10.0	9.9	10.0	10.3	10.6
HSDO	19.7	20.6	22.3	23.8	25.2	25.0	26.9	28.7	30.6	33.4
LDO	1.5	1.5	1.6	1.8	1.8	1.8	1.7	1.7	1.6	1.6
F.O. (Regular)	5.0	4.9	5.3	5.8	5.5	5.3	5.8	6.2	5.9	6.9
LSHS/HHS	5.3	5.5	5.0	4.9	5.3	5.4	5.0	4.7	4.9	4.8
TOTAL ALL-INDIA @ SALES/CONSUMPTION	**57.3**	**59.3**	**62.0**	**63.7**	**69.1**	**68.4**	**70.6**	**72.9**	**75.2**	**81.1**

Note: (i) Based on Expert Committee's population projection as on 1 st March each year and projection on 1971 and 1981 Census basis and Paper -1 of 1991, Census ofb India-1994.

(ii) Includes Mogas, Kerosene, ATF, HSDO, LDO, Fuel Oils,LPG, Naphtha and Bitumen in 1979-80 and all products except (lubricants) in 1980-81 to 1982-83 but incl. lubricants in1983-84 to 1987-88.

@ All India actual consumption of all products incl. Ref. Fuel & International Bunkers.

Fiaure excludinq Goa, Goa has been shown separately P = Provisional

ESTIMATED SECTOR-WISE (END-USE) INDUSTRY CONSUMPTION OF LPG NAPHTHA & HSDO DURING 1990-91 TO 1994-95

(Qty. '000' Tonnes)

SECTOR	1990-91		1991-92		1992-93		1993-94		1994-95	
	Consum-ption	%to total	Consum-ption	%to total	Consum-ption	%to total	Consum-ption	%to total	Consum-ption	% to total
1	2	3	4	5	6	7	8	9	10	11
				L.P.GAS						
1. Domestic	1894	78.4	2134	80.5	2275	79.4	2423	77.8	2762	80.4
2. Commercial/Industry	487	20.2	486	18.3	544	19.0	635	20.4	654	19.0
3. Others	34	1.4	30	1.2	47	1.6	55	1.8	18	0.6
TOTAL (1+2+3):	**2415**	**100.0**	**2650**	**100.0**	**2866**	**100.0**	**3113**	**100.0**	**3434**	**100.0**
				NAPHTHA						
1. Fertilizers	1842	53.5	1770	51.2	1678	49.6	2172	68.1	2495	73.4
2. Petrochemicals	766	22.2	860	24.8	1156	34.2	1013	31.7	831	24.4
3. Others	838	24.3	831	24.0	548	16.2	6	0.2	74	2.2
TOTAL (1+2+3):	**3446**	**100.0**	**3461**	**100.0**	**3382**	**100.0**	**3191**	**100.0**	**3400**	**100.0**
				HSDO						
1. Transport										
i) Road Transport	1864	8.8	1964	8.7	2057	8.5	2129	8.2	2156	7.6
ii) Aviation	11	0.1	11	0.1	12	0.1	17	0.1	6	-
iii) Shipping	193	0.9	191	0.8	183	0.7	199	0.8	207	0.7
iv) Railways	1453	6.9	1459	6.4	1417	5.8	1441	5.5	1398	4.9
v) OtherTransport (incl. Agri. Retail Trade)	15292	72.3	16657	73.4	18057	74.3	19273	74-5	20975	74.2
Sub-total (1):	**18813**	**89.0**	**20282**	**89.4**	**21726**	**89.4**	**23059**	**89.1**	**24742**	**87.5**
2. Plantation/Food										
i) Sugar Mills	99	0.5	96	0.4	87	0.4	84	0.3	108	0.4
ii) Others (incl. Plan. of Food!	219	1.0	250	1.1	301	1.2	410	1.6	513	1.8
Sub-total (2):	**318**	**1.5**	**346**	**1.5**	**388**	**1.6**	**494**	**1.9**	**621**	**2.2**
3. Power Generation (utHities)	**104**	**0.5**	**110**	**0.5**	**108**	**0.5**	**115**	**0.5**	***229***	***0.8***
4. Industry										
i) Iron & Steel	69	0.3	73	0.3	89	0.4	88	0.3	106	0.4
ii) Textile & fibre	173	0.8	165	0.7	146	0.6	167	0.6	227	0.8
iii) Cement	155	0.7	165	0.7	176	0.7	165	0.6	206	0.7
iv) Ceramic & Glass	26	0.1	24	0.1	27	0.1	30	0.1	38	0.1
v) Chemicals&Allied	77	0.4	86	0.4	94	0.4	114	0.5	153	0.5
vi) Aluminium	3	Neg	4	Neg	5	Neg.	6	Neg.	5	-
vii) Mining & quarrying	556	2.6	552	2.4	567	2.3	578	2.2	585	2.1
viii) Engg. (Mech & Elec)	160	0.8	151	0.7	153	0.6	146	0.6	172	0.6
ix) Fertilizers	13	0.1	21	0.1	18	0.1	9	Nag	17	0.1
x) Otherjndustries & Construction	199	1.0	175	0.8	214	0.9	209	0.8	274	1.0
Sub-total (4)	1431	6.8	1416	6.2	1489	6.1	1512	5.8	1783	6.3
5. Misc. Services (incl. DGS &D)	**473**	**2.2**	**526**	**2.3**	**582**	**2.4**	**698**	**2.7**	**886**	**3.2**
Total (1+2+3+4+5)	**21139**	**100.0**	**22680**	**100.0**	**24293**	**100.0**	**25878**	**100.0**	**28261**	**100.00**

(P) = Provisional

ESTIMATED SECTOR-WISE (END-USE) INDUSTRY CONSUMPTION OF LDO, FO (Regular) & LSHS/HHS DURING 1990-91 TO 1994-95

(Qty. '000' Tonnes)

SECTOR	1990-91		1991-92		1992-93		1993-94		1994-95	
	Consum-ption	%to total	Consum-ption	%to total	Consum-ption	%to total	Consum-ption	%to total	Consum-ption	% to total
1	2	3	4	5	6	7	8	9	10	11
LDO (Regular)										
1. Transport										
i) Road Transport	1	0.1	1	0.1	1	0.1	1	0.1	1	0.1
ii) Aviation	1	0.1	1	0.1	1	0.1	1	0.1	1	0.1
iii) Shipping	67	4.5	61	4.2	66	4.7	65	4.8	62	4.5
iv) Railways	4	0.2	3	0.2	2	0.1	2	0.1	2	0.1
v) Other Transport (incl. Agr. Retail Trade)	13	0.9	14	1.0	15	1.1	13	0.9	17	1.2
Sub-Total:1	**86**	**5.8**	**80**	**5.5**	**85**	**6.1**	**82**	**6.0**	**83**	**6.1**
2. Plantation/Food (incl. Processing)										
i) Sugar Mills	4	0.2	1	0.1	1	0.1	1	0.1	1	0.1
ii) Others (incl. Plan. & Food)	37	2.5	36	2.5	34	2.4	35	2-5	34	2.5
•Sub-Total: 2	**41**	**2.7**	**37**	**2.6**	**35**	**2.5**	**36**	**2.6**	**35**	**2.6**
3. Power Generation (utilities)	**282**	**18.8**	**230**	**15.8**	**211**	**15.0**	**182**	**13.4**	**165**	12.1
4. Industry										
i) Iron & steel	51	3.4	46	3.2	53	3.8	48	3.5	75	5.5
ii) Textile & Fibres	44	2.9	46	3.2	40	2.8	39	2.9	38	2.8
iii) Cement	10	0.7	14	1.0	11	0.8	11	0.8	17	1.2
iv) Ceramic & Glass	51	3.4	55	3.8	47	3.3	45	3.3	34	2.5
v) Chemicals&Allied	129	8.6	121	8.3	146	10.4	145	10.6	144	10.5
vi) Aluminium	6	0.4	12	0.8	17	1.2	17	1.3	5	0.4
vii) Mining & quarrying	10	0.7	11	0.7	15	1.1	9	0.7	8	0.6
viii) Engg. (Mech & Elec)	128	8.5	120	8.2	109	7.8	109	8.0	124	9.1
ix) Fertilizers	6	0.4	6	0.4	3	0.2	3	0.2	4	0.3
x) Other Industries & Construction	203	13.5	213	14.6	206	14.7	199	14.6	192	14.1
Sub Total: 4	**638**	**42.5**	**644**	**44.2**	**647**	**46.7**	**625**	**45.9**	**641**	**46.9**
5. Misc. Services (incl. DGS & D)	**454**	**30.2**	**465**	**31.9**	**424**	**30.2**	**437**	**32.1**	**441**	**32.3**
TOTAL: (t+2+3+4+5)	**1501**	**100.0**	**1456**	**100.0**	**1402**	**100.0**	**1362**	**100.0**	**1365**	**100.0**
F.O. (Regular)										
1. Transport										
i) Road Transport	45	1.0	8	0.1	7	0.1	7	0.2	8	0.1
ii) Aviation	4	0.1	1	Neg	5	0.1	3	0.1	3	0.1
iii) Shipping	300	6.7	245	5.0	235	4.4	292	5.8	323	5.5
iv) Railways	22	0.5	21	0.4	15	0.3	16	0.3	13	0.2
v) Other Transport (Incl. Agr. Retail Trade)	76	1.7	68	1.4	77	1.5	87	1.7	93	1.6
Sub-Total: 1	**447**	**10.0**	**343**	**6.9**	**339**	**6.4**	**405**	**8.1**	**440**	**7.6**
2. Plantation/Food (incl. Processing)										
i) Sugar Mills	14	0.3	18	0.4	16	0.3	15	0.3	13	0.2
ii) Others(incl.Plan.&Food)	122	2.8	146	2.9	174	3.3	171	3.4	175	3.0
Sub-Total: 2	**136**	**3.1**	**164**	**3.3**	**190**	**3.6**	**186**	**3.7**	**188**	**3.2**
3. Power Generation (utilities)	**531**	**11.9**	**527**	**10.7**	**555**	**10.5**	**490**	**9.7**	**580**	**9.9**

Contd.....

ESTIMATED SECTOR-WISE (END-USE) INDUSTRY CONSUMPTION OF LDO, FO (Regular) & LSHS/HHS DURING 1990-91 TO 1994-95

(Qty. '000' Tonnes)

SECTOR	1990-91		1991-92		1992-93		1993-94		1994-95	
	Consum-ption	%to total	Consum-ption	%to total	Consum-ption	%to total	Consum-ption	%to total	Consum-ption	% to total
1	2	3	4	5	6	7	8	9	10	11
F.O. (Regular)										
4. Industry										
i) Iron & Steel	311	7.0	363	7.4	372	7.1	368	7 3	409	7.0
ii) Textile & Fibre	289	6.5	321	6.5	425	8.1	376	7.5	375	6.4
iii) Cement	64	1.5	78	1.6	75	1.4	62	1.2	73	1.3
iv) Ceramic & Glass	73	1.6	87	1.8	89	1.7	86	1.7	95	1.6
v) Chemicals & Allied	613	13.7	636	12.9	725	13.7	678	13.5	563	9.6
vi) Aluminium	95	2.1	114	2.3	142	2.7	110	2.2	122	2.1
vii) Mining & quarrying	55	1.2	43	0.9	43	0.8	58	1.2	63	1.1
viii) Engg. (Mech & Elec)	146	3.3	140	2.8	147	2.8	145	2.9	150	2.5
ix) Fertilizers	1058	23.7	1404	28.4	1348	25.6	1160	23.1	1507	25.7
x) Other Industries & Construction	446	10.0	506	10.2	596	11.3	560	11.1	587	10.1
Sub-Total:	**3150**	**70.6**	**3692**	**74.8**	**3962**	**75.2**	**3603**	**71.7**	**3944**	**67.6**
5. Misc. Services (incl. DGS&D)	**198**	**4.4**	**211**	**4.3**	**227**	**4.3**	**342**	**6.8**	**685**	**11.7**
TOTAL: (1+2+3+4+5)	**4462**	**100.0**	**4937**	**100.0**	**5273**	**100.0**	**5026**	**100-0**	**5837**	**100.0**
			LSHS/HHS							
1. Transport	**13**	**0.3**	**22**	**0.5**	**10**	**0.3**	**12**	**0.3**	**2**	**-**
2. Plantation/Food (inc. Processing)										
i) Sugar Mills	2	0.1	1	Neg.	Neg.	-	Neg.	-	Neg.	-
ii) Other (incl. Plan.& Food)	47	1.0	28	0.7	35	0.9	40	1.0	27	0.7
Sub-Total :2	**49**	**1.1**	**29**	**0.7**	**35**	**0.9**	**40**	**1.0**	**27**	**0.7**
3. Power Generation (utilities)	**1835**	**40.6**	**1798**	**42.2**	**1779**	**44.5**	**1676**	**40.2**	**1624**	**40.1**
4. Industry										
i) Iron&steel	174	3.8	177	4.2	113	2.8	97	2.3	102	2.5
ii) Textile & Fibre	332	7.3	293	6.9	242	6.1	338	8.1	276	6.8
iii) Cement	42	0.9	36	0.8	35	0.9	53	1.3	50	1.2
iv) Ceramic & Glass	136	3.0	113	2.6	96	2.4	76	1.8	73	1.8
v) Chemicals & Allied	360	8.0	300	7.0	308	7.7	375	9.0	483	11.9
vi) Aluminium	62	1.4	33	0.8	41	1.0	65	1.6	13	0.3
vii) Mining & quarrying	14	0.3	4	0.1	11	0.3	8	0.2	1	-
viii) Engg. (Mech & Elec)	40	0.9	40	0.9	33	0.8	32	0.8	27	0.7
ix) Fertilizers	1184	26.2	1046	24.5	1002	25.1	1052	25.2	1001	24.7
x) Other Industries & Construction	261	5.8	293	6.9	241	6.0	270	6.5	232	5.7
Sub Total: 4	**2605**	**57.6**	**2335**	**54.7**	**2122**	**53.1**	**2366**	**56.8**	**2258**	**55.7**
5. Misc. Services (incl. DGS & D)	**22**	**0.4**	**81**	**1.9**	**48**	**1.2**	**72**	**1.7**	**141**	**3.5**
TOTAL: (1+2+3+4+5)	**4524**	**100.0**	**4265**	**100.0**	**3994**	**100.0**	**4166**	**100.0**	**4052**	**100.0**

CONSUMPTION OF DIESEL OIL IN INDIAN RAILWAYS DURING 1960-61 TO 1994-95

Year	No. of Diesel Locomotives Nos.	Consumption of Diesel Oil (In Kls.)	Consumption of Diesel per locomotive (In Kls.)
1	2	3	4
1960-61	181	62771	346.8
1961-62	228	59444	260.7
1962-63	349	98481	282.2
1963-64	486	182328	375.2
1964-65	621	245633	395.5
1965-66	727	310813	427.5
1966-67	776	365582	471.1
1967-68	892	427126	478.8
1968-69	996	486084	488.0
1969-70	1091	536301	491.6
1970-71	1169	569025	846.8
1971-72	1288	626983	486.8
1972-73	1431	667414	466.4
1973-74	1610	683140	424.3
1974-75	1702	720047	423.1
1975-76	1803	797610	442.4
1976-77	1903	867330	455.8
1977-78	2025	949077	468.7
1978-79	2126	960545	451.8
1979-80	2243	992060	442.3
1980-81	2403	1067477	442.2
1981-82	2520	1179682	468.1
1982-83	2638	1227236	465.2
1983-84	2800	1313200	459.0
1984-85	2905	1335664	459.8
1985-86	3046	1440269	472.8
1986-87	3182	1536499	482.9
1987-88	3298	1595897	483.9
1988-89	3454	1652555	478.4
1989-90	3610	1678814	465.0
1990-91	3759	1712816	455.7
1991-92	3905	1731473	443.4
1992-93	4069	1741751	428.1
1993-94	4192	1783162	425.4
1994-95(P)	4259	1819460	427.2

Source :Railway Board (P) : Provisional

INDUSTRY/PLANT-WISE OFFTAKE OF NAPHTHA

(Qty. '000' Mts)

Category and Plant	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95(P)
1	2	3	4	5	6	7	8	9	10
1. Fertilizer Plants								6	
Madras Fertilizer Ltd.	234	105	205	196	201	206	191	164	205
HFC, Durgapur	94	95	55	41	74	95	70	40	4
FCI, Gorakhpur	98	88	108	98	22	0	0	0	0
HFC, Barauni	115	131	99	73	101	71	100	31	75
SFC, Kota	158	139	152	166	176	169	170	175	163
ICI, Kanpur	305	253	292	319	254	294	291	286	356
RFP, Rourkela	82	75	99	103	105	93	107	129	119
GSFC, Baroda	125	118	126	132	128	120	78	85	92
FACT, Cochin	123	105	138	112	129	121	83	130	136
ZAC, Goa	227	224	212	220	238	266	257	240	255
IFFCO, Phulpur	251	216	299	264	348	253	312	278	296
IFFCO, Kalol	46	49	47	44	55	61	51	56	57
MCFL, Manglore	162	103	151	111	140	137	99	100	130
SPIC, Tuticorin	270	234	269	270	261	287	281	276	302
GNFC, Bharuch	1	Neg.	Neg.	Neg.	1	Neg.	Neg.	Neg.	1
FACT, Alwaye	65	61	76	61	56	55	50	37	42
FCI, Bombay	-	13	-	-	-	-	-	-	-
Coromandal Ferts, Vizag	73	66	66	64	76	68	58	72	78
NFL Nangal				16	49	48	57	54	53
Others	59	-	-	8	2	1	1	99	372
Sub-Total (Fertilizer)	**2488**	**2075**	**2392**	**2298**	**2416**	**2345**	**2256**	**2252**	**2736**
II. Petrochemical Plants:									
BRPL, Bongaigaon	-	24	16	25	21	17	22	24	14
HOC, Rasayani	4	4	4	-	-	5	5	5	5
IPCL, Baroda	444	451	455	417	416	482	449	448	392
NOCIL, Bombay	259	264	299	287	275	272	293	266	176
RCF, (Mathanol) Bombay	13	-	15	9	4	0	0	0	0
UCIL, Bombay	69	-	-	-	-	-	-	-	-
Rama Petro Chemicals	-	-	48	41	44	33	26	24,	26
Reliance Ind. Ltd.	-	-	59	179	182	185	232	211	200
National Peroxide				2	2	2	2	2	3
Oswal Agro				19	71	61	72	19	10
Others	-	-	1	-	2	2	6	13	36
Sub-Total (Petro-Chem.)	**724**	**743**	**897**	**979**	**1017**	**1059**	**1107**	**1012**	**862**
Others.									
HOC Rasayani	-	-	-	5	5	N.A.	N.A.	N.A.	N.A.
FCI Talchar	-	-	4	2	0.0	N.A.	N.A.	N.A.	N.A.
DESU	-	-	56	59	0.0	1	0	0	0
HSL, Bhilai etc.	37	34	11	2	0.0	0	0	0	0
HCL, Khetri	-	-	4	4	4	5	1	7	0
Others					5	34	19	19	78
Sub-Total (others)	**37**	**34**	**75**	**72**	**14**	**40**	**20**	**26**	**78**
GRAND TOTAL(I + II + 111)	**3249**	**2852**	**3364**	**3349**	**3447**	**3444**	**3383**	**3290**	**3676**

Source: Industry Performance Review, March, 1995

(P): Provisional

PLANT/CUSTOMER-WISE OFFTAKE OF FO/LSHS

Cateogry and Plant	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95
1	2	3	4	5	6	7
		(I) POWER				
A. Northern:						
OBRAThermal	22.9	19.9	28.1	30.4	31.3	33.7
HSEB Hardwaganj	0.0	6.3	3.7	3.8	11.7	17.8
BTPS Bhardrapur	20.8	20.7	18.2	5.5	4.3	2.9
GNTPBhatinda	16.5	3.9	2.6	2.7	3.7	16.5
TPS Paricha	6.4	6.5	5.8	10.6	10.7	5.0
TPS Singrauli	22.2	5.4	1.5	0.0	4.2	16.0
TPS Rihand	5.6	19.7	4.1	2.9	0.0	7.1
TPS Kota	51.9	36.3	22.9	9.8	14.0	19.3
DESU Delhi (BPC+HPC+IOC)	37.5	39.7	52.1	46.3	33.8	28.5
HSEB Faridabad	3.6	2.7	3.5	3.4	4.3	3.4
TPS Ropar	37.4	11.3	15.0	23.8	31.8	21.6
TPS Panipat	35.2	38.0	43.4	39.4	29.4	29.2
HWP Rawatbhatta	-	9.1	45.7	45.2	24.1	**34.7**
Sub-total (A)	**260.0**	**219.5**	**246.6**	**233.8**	**209.0**	**237.2**
B. Eastern:						
ASEB Chandrapura	73.3	71.1	75.0	42.3	31.9	57.7
CTPS Chandrapur	34.2	36.1	39.1	39.7	34.4	27.1
DTPS Durgapur	0.0	0.0	0.0	0.0	0.0	0.0
DPL Durgapur	0.0	0.0	0.0	0.0	0.0	0.0
NTPC Farrakka	0.0	0.0	2.4	4.1	34.0	33.6
BTPS Barauni	23.4	23.8	30.0	13.5	11.1	18.0
NTPC Kanti (Muzzafarpur)	0.0	0.0	0.0	0.0	0.0	0.0
TPS Patratu	0.0	0.0	0.0	0.0	0.0	0.0
TTPS Talcher	9.4	7.6	11.8	6.9	6.7	7.1
BTPS Salakati	28.2	24.8	37.6	34.2	11.3	5.1
Sub-Total (B)	**168.5**	**163.4**	**195.9**	**140.7**	**129.4**	**148.6**
C. Western:						
GEB Dhuwaran	750.2	756.2	746.7	691.0	498.5	636.0
GEB Ukai	6.9	16.6	26.3	34.8	33.0	50.9
GEBGandhinagar	16.7	13.0	21.4	14.4	9.8	9.0
AECO Sabarmati	13.4	0.0	5.9	5.5	6.9	11.1
GEB Wanakbari	44.5	55.0	80.7	47.3	43.4	62.8
MPEB Sarani	139.1	107.5	71.5	102.1	66.6	62.8
MSEB Koradi	39.1	24.0	28.7	26.7	25.3	22.8
MSEB Chandrapur	18.7	14.8	16.6	29.6	50.9	41.2
MPEB Dhari	11.3	13.5	18.8	16.8	18.3	12.4
MSEB Nasik	24.9	29.9	16.8	12.6	13.1	22.3
MSEB Bhusawal	15.8	12.4	7.3	9.2	5.8	6.0
MSEB Paras	2.2	1.9	0.0	1.4	3.0	1.7
MPEB Parli	52.1	34.5	16.3	18.1	5.4	15.1
NTPC Korba	33.0	21.3	16.1	14.5	11.3	6.9
MPEB Korba	22.2	19.1	16.5	0.0	17.2	19.7
GEB Kandla	—	—	—	—	—	—
TATA Thermal	554.4	718.3	655.2	812.2	767.9	613.5
MPEB Chachai	12.1	14.6	12.8	17.8	13.5	17.5
NTPC Waidhan	22.6	23.0	28.7	17.9	5.6	10.5
MSEB Kaperkada	0.0	13.9	16.0	11.3	5.6	4.2
Sub-Total (C)	**1779.2**	**1889.5**	**1802.3**	**1883.3**	**1601.1**	**1626.4**

Contd.....

PLANT/CUSTOMER-WISE OFFTAKE OF FO/LSHS

(Qty. '000' Tonnes)

Cateogry and Plant	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95(P)
1	2	3	4	5	6	7
D. Southern:						
TTPS Tuticorin	12.2	11.2	21.8	14.7	14.1	7.4
KTPS Palancha	11.2	5.1	8.2	14.4	11.9	8.7
RTPS Raichur	3.1	3.6	7.2	1.2	1.8	6.9
ITPP Metturdam	27.i	13.4	4.1	5.5	2.0	3.0
NTPC Ramagundam	34.7	26.0	7.1	13.4	6.6	1.3
ETPS Ennore	8.8	7.6	4.1	2.9	5.2	1.9
NCL Neyveli TML	0.0	9.5	7.2	21.0	*40.2*	37.5
HWP Manuguru	-	8.7	30.4	21.5	11.5	20.2
Sub-Total (D)	**97.1**	**85.1**	**90.1**	**94.6**	**103.9**	**169.3**
Total: Power(A+B+C+D)	**2304.8**	**2357.5**	**2334.9**	**2352.4**	**2043.4**	**2181.5**
		(II) Fertilizer Plants:				
A. Northern:						
Indo Gulf Jagdis	--	--	--	--	13.7	48.1
NFL Nangal	287.1	294.1	296.1	271.8	264.7	269.7
NFL Bhatinda	302.0	248.0	322.1	267.3	280.1	254.5
NFL Panipat	301.2	315.7	296.5	271.7.	293.0	281.6
IFFCO Phulpur	21.6	18.7	29.9	22.2	21.1	19.8
SFC Kota	--	0. 0	27.0	1.8	3.7	4.5
Sub-Total (A)	**911.9**	**876.5**	**971.6**	**820.8**	**876.3**	**878.2**
B. Eastern:						
HFC Holida	0.0	0.0	0.0	0.0	0.0	0.0
HFCDurgapur	8.3	18.0	18.6	I6.2	6.2	3.1
FCI Sindri	193.0	169.5	169.1	194.3	176.1	213.4
HFC Barauni	25.5	24.0	20.8	20.8	6.7	30.6
FCI Talcher	8.7	11.4	13.9	9.6	12.6	6.1
Sub-Toatal (B)	**2 35.5**	**222.9**	**222.4**	**240.9**	**201.6**	***253.2***
C. Westerrn:						
ZAC Goa:	80.6	92.5	98.0	97.5	97.6	97.5
IFFCO Kalol	34.9	37.4	36.4	35.7	31.9	43.0
GSFC Baroda	78.4	115.9	122.5	129.8	122.8	136.2
GNFC Bharuch	438.2	414.9	498.0	433.6	381.9	440.0
Sub-Total (C)	**632.1**	**660.7**	**754.9**	**696.6**	**634.2**	**716.7**
D. Southern:						
MFL Madraa	78.2	83.3	83.0	73.2	86.4	81.0
MCFL Mangalore	54.3	70.4	74.2	58.3	63.8	62.0
FACT Cochin	92.0	101.7	95.4	60.1	77.4	100.5
NLC Neyveli	108.6	69.9	116.6	65.7	96.4	69.3
SPICTuticotin	193.0	173.0	190.9	166.4	173.5	184.3
FCI Ramagundam	11.5	12.4	16.3	8.8	11.3	5.2
Coramandal Fert.	33.1	36.3	35.9	29.2	18.5	18.2
Sub-Total (D)	**570.7**	**547.0**	**612.3**	**461.7**	**527.3**	**520.5**
Total Feritlizer (A+B+C+IM)	**2350.2**	**2307.1**	**2561.2**	**2220.0**	**2239.4**	**2368.6**

PLANT/CUSTOMER-WISE OFFTAKE OF FO/LSHS

(Qty. '000' Tonnes)

Cateogry and Plant	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95(P)
1	2	3	4	5	6	7
			(III) Petrochemical Plants			
C. Western:						
IPCL Baroda	103.3	41.3	34.1	81.0	107.7	212.2
NOCIL Bombay	0.0	0.2	0.0	0.0	0.2	1.2
Reliance Industry, Bombay	154.2	155.4	147.7	170 5	180.0	173.1
Sub-total(C)	**257.5**	**196.9**	**181.8**	**251.5**	**287.9**	**386.5**
D. Southern:						
FACT Udyogmandal	0.3	54.6	7.8	0.9	3.6	4.7
TNPL Madras	40.2	48.8	43.5	47.0	45.3	46.8
Mysore Petrochemicals	-	-	-	-	-	-
Sub-Total (D)	**40.5**	**103.4**	**51.3**	**47.9**	**48.9**	**51.5**
Total: Petrochemical (C+D)	**298.0**	**300.3**	**233.1**	**299.4**	**336.8**	**438.0**
			(IV) Steel Plants			
B. Eastern:						
TISCO Burnapur	1.5	1.4	0.0	0.0	0.0	0.0
RSP Rourkela	85.7	66.2	82.0	28.6	58.2	55.5
DSP Durgapur	73.2	67.2	70.9	28.3	11.8	11.7
ASP Durgapur	22.5	24.1	9.9	25.6	22.9	8.5
PCBL Durgapur	-	-	-	-	-	-
TISCOJamshedpur	59.8	47.2	59.0	53.7	43.0	35.4
BSP Bokaro	49.6	65.3	101.6	98.0	107.5	71.5
SAIL Patroatu	5.0	2.1	2.0	0.2	0.2	7.4
HCL Ghatsila	9.0	5.5	-	-	-	-
Sub-Toatal (B)	306.3	**279.0**	**325.4**	**234.4**	**243.6**	190.0
C. Western:						
HSLBhillai	35.5	23.0	31.9	25.7	19.9	30.7
SAIL Bhillai	-	-		-	-	-
Sub-Total (C)	**35.5**	**23.0**	**31.9**	**25.7**	**19.9**	**30.7**
D. Southern:						
S. Viscose	-	27.7	-	-	-	-
Vizag Steel Plant	-	28.8	15.5	4.0	10.2	1.0
FACT ASCL	-	22.5	-	-	-	-
Sub-Total (D)	**-**	**79.0**	**15.5**	**4.0**	10.2	1.0
Total Feritlizer(B+C+D)	341.8	**381.0**	**372.8**	**264.1**	**273.7**	**221.7**
			(V) Others			
A. Northern:						
Hindalco	17.2	28.3	30.5	32.0	31.9	22.1
Sub-Total (A)	**17.2**	**28.3**	**30.5**	**32.0**	**31.9**	**22.1**
B. Eastern;						
Paradeep Phosph	-	-	-	-	0.8	1.6
NALCO Angul	-	-	22.1	159	17.1	23.6
IRE Chatrapur	10.3	3.5	1.6	0.0	0.0	6.3
NELCO Damanjodi	77.2	23.9	57.8	68.2	47.4	48.9
OCL Rajgangapur	13.1	11.3	10.8	18.6	10.9	11.2
TELCOJamshedpur.	10.9	11.4	14.5	62.4	9.8	11.7
HCLGhatsila	-	-	10.4	9.3	4.4	8.1
Sub-Total(B)	**111.5**	**50.1**	**117.2**	**174.4**	**90.4**	**111.4**

Contd.....

PLANT/CUSTOMER-WISE OFFTAKE OF FO/LSHS

(Qty. '000' Tonnes)

Categgry and Plant	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95(P)
1	2	3	4	5	6	7
C. Western:						
HOC Rasayani	12.0	14.5	13.9	10.5	9.6	10.0
HOCMandoviPellets	-	-	-	19.7	26.6	0.0
Sub-total (C)	**12.0**	**14.5**	**13.9**	**30.2**	**36.2**	**10.0**
D. Southern:						
Grasim	-	-	-	-	13.4	10.3
S.I.VISCOSE	-	-	28.4	24.9	23.4	34.3
INDAL BELGAUM	-	13.3	11.6	5.8	42.5	39.0
TEX MACO	-	0-0	0.0	0.0	3.4	3.6
Ballarpur Indus	-	3.4	0.0	0.0	14.3	13.7
Nelco Angul	-	12.1	-	-	-	0.0
Chem. Plast	-	0.0	21.6	30-5	37.3	41.6
HOC, Cochin	12.9	3.2	2.2	0.6	18.5	17.5
Kudramukh Iron &Ore Company	47.6	44.3	36.2	36.5	46.5	39.9
FACT ASCL	-	-	22.9	20.1	69.2	53.1
Sub-Total(D)	**60.5**	**76.3**	**122.9**	**118.4**	**268.5**	**253.0**
Total: Others (A+B+C+DJ	**201.2**	**169.2**	**284.5**	**355.0**	**427.0**	**396.5**
		(VI) General Trade				
A. Northern Region	529.9	533.7	557.3	673.3	679.4	801.7
B. Eastern Region	384.2	471.1	366.4	467.1	397.1	479.2
C. Western Region	1465.0	1573.0	1581.6	1647.6	1871.9	1892.3
D. Southern Region	945.0	893.0	906.1	1058.5	838.1	975.0
Total: GeneralTrade(A+B+C+D)	**3324.1**	**3470.8**	**3411.4**	**3811.2**	**3786.5**	**4148.2**
GRAND TOTAL (I+II+III+IV+V+VI)	**8820.1**	**8985.9**	**9197.9**	**9302.1**	**9106.8**	**9754.5**

P: Provisional Source: Industry Performance Review March, 1995

Note: Separate figures for some of the plants like Reliance Industries, Patalganga etc. are not available.

STATE-WISE FUEL CONSUMPTION AND POWER GENERATION IN GASTURBINE AND DIESEL POWER STATIONS IN INDIA DURING 1993-94*

State/UnionTerritories	Gas Stat ions		Diesel Station		
	Natural Gas (Million Cu. Mts.)	Generation (GWH)	Diesel Oil (K.Lts.)	Generation (GWH)	Average Oil Consumed Ltsl Kwh.
1	2	3	4	5	6
NORTHERN REGION:					
Haryana	0.00	0.00	0.00	0.00	0.00
Himachal Pradesh	0.00	0.00	9.05	0.02	0.45
Jammu & Kashmir	18250.27†	57.82	0.00	0.00	0.00
Panjab	0.00	0.00	0.00	0.00	0.00
Rajasthan	0.00	0.00	0.00	0.00	0.00
Uttar Pradesh	0.00	0.00	0.00	0.00	0.00
Chandigarh	0.00	0.00	0.00	0.00	0.00
Delhi	281.19 †5887.00**	784.92	0.00	0.00	0.00
WESTERN REGION:					
Gujarat	431.91	1266.52	0.00	0.00	0.00
Madhya Pradesh	0.00	0.00	0.00	0.00	0.00
Maharashtra	624.91	1911.11	0.00	0.00	0.00
Goa	0.00	0.00	0.00	0.00	0.00
D. & N. Haveli	0.00	0.00	0.00	0.00	0.00
Daman & Diu	0.00	0.00	0.00	0.00	0.00
SOUTHERN REGION:					
Andhra Pradesh	137.30	523.32	0.00	0.00	0.00
Karnataka	0.00	0.00	44100.00	147.00	0.30
Kerala	0.00	0.00	0.00	0.00	0.00
Tamil Nadu	11.00	34.56	0.00	0.00	0.00
Pondicherry	0.00	0.00	0.00	0.00	0.00
Lakshadweep	0.00	0.00	3435.00	12.71	0.27
EASTERN REGION:					
Bihar	0.00	0.00	0.00	0.00	0.00
Orissa	0.00	0.00	0.00	0.00	0.00
West Bengal	12962.47†	26.97	138.46	0.54	0.26
D.V.C	34008.00†	15.48	0.00	0.00	0.00
A. & N. Islands	0.00	0.00	19077.36	68.73	0.28
Sikkim	0.00	0.00	360.00	1.20	0.30
NORTH EASTERN REGION:					
Assam	209.26	375.03	0.00	0.00	0.00
Manipur	0.00	0.00	1138.46	2.96	0.38
Meghalaya	0.00	0.00	0.00	0.00	0.00
Nagaland	0.00	0.00	0.00	0.00	0.00
Tripura	104.52	109.25	700.00	1.87	0.37
Arunachal Pradesh	0.00	0.00	3560.60	11.75	0.30
Mizoram	0.00	0.00	3734.28	13.07	0.28
Central Sector	2266.09	9622.65	0.00	0.00	0.00
TOTAL (ALL INDIA)	4066.18† 71107.74**	14727.63	76253.21	259.85	0.29

SOURCE: Cental Electricity Authority. *: Provisional
†=HSD K. Litres, **=Includes 3437 MT of Naphtha.

STATE-WISE CONSUMPTION OF FOSSIL FUELS FOR ELECTRICITY GENERATION FROM THERMAL POWER STATIONS IN INDIA DURING 1993-94

State/Union Territories	STEAM STATIONS: Coal (MT)	Lignite (MT)	Furnace Oil (KL)	Light Diesel Oil/HSD(KL)	LSHS/HHS (KL)	Natural Gas (Million Cub. Mtrs.)	Heat input (K. Cal. x 10^9)	Gross Generation (GWH)	Average Heat input (K.Cal/Kwh)
1	2	3	4	5	6	7	8	9	10
Northern Region:									
Haryana	2319939	0	12781	3914	27217	0	9796.44	2885.04	3395
Himachal Pradesh	0	0	0	0	0	0	0.00	0.00	0
Jammu & Kashmir	0	0	0	0	0	0	0.00	0.00	0
Punjab	6545609	0	10595	3971	30631	0	24825.41	8854.11	2804
Rajasthan	3109373	0	3300	1200	12000	0	12699.60	4538.77	2798
UttarPradesh	11835361	0	57467	54136	1547(A)	0	38337.30	14560.18	2633
Chandigarh	0	0	0	0	0	0	0.00	0	0
Delhi	1375836	0	35673	2608	0	0	5207.16	1764.77	2951
Western Region:									
Gujarat	11865421	641035	40342	8891	618137	196.93	60948.87	21621.92	2817
Madhya Pradesh	10886502	0	104207	29424	23724	0	37632.79	13331.47	2823
Maharashtra	22764997	0	87195	32386(B)	936254	326708.00(C)	94413.75	33660.39	2805
Goa	0	0	0	0	0	0	000	000	0
D.&N. Haveli	0	0	0	0	0	0	0.00	0.00	
Daman &Diu	0	0	0	0	0	0	0.00	0.00	0
Southern Region:									
Andhra Pradesh	8282477	0	21241	6834	741	0	27884.67	9639.42	2893
Karnataka	2524723	0	2662	97	0	0	9117.36	3691.71	2470
Kerala	0	0	0	0	0	0	0.00	0.00	0
Tamil Nadu	9787295	0	21968	2590	5136	0	35881.27	12962.01	2768
Pondicherry	0	0	0	0	0	0	0.00	0.00	0
Eastern Region:									
Bihar	2525965	0	5900	46184	13565	0	10101.35	2782.20	3624
Orissa	1351980	0	6517	4572	0	0	5578.91	1465.27	3808
West Bengal	8552116	0	0	75890	0	0	45203.89	13445.86	3362
D.V.C.	4721807	0	83714	0	0	0	21585.48	6688.46	3227
A. & N. Islands	0	0	0	0	0	0	0.00	0.00	0
Sikkim	0	0	0	0	0	0	000	000	0
North Eastern Region:									
Assam	237409	0	30095	1421	54192	0	1890.26	564.88	3345
Manipur	0	0	o	0	o	0	000	000	0
Meghalaya	C	0	0	0	0	0	000	000	0
Nagaland	0	0	0	0	0	0	0.00	0.00	0
Tripura	0	0	0	0	0	0	0.00	0.00	0
Arunachal Pradesh	0	0	0	0	0	0	0.00	0.00	0
Mizoram	0	0	0	0	0	0	0.00	0.00	0
Central Sector	**48173213**	**11412776**	**90593**	**61930**	**17137**	**0**	**208143.69**	**80894.25**	**2579**
Total (All India)	**156860023**	**12053811**	**614250**	**336046**	**1740281**	**326708+196.93**	**649248.20**	**233150.71**	**2785**

(A) = Heavy Petroleum Stock (B) = Includes 620KL Superior Kerosene Oil (C) = Refinery gas in Metric Tonnes

Note: MT = Metric Tonnes KL = Kilo Litres Source: Central ELectricity Authority.

XII. FOREIGN TRADE
IMPORTS/EXPORTS OF CRUDE OIL AND PETROLEUM PRODUCTS 1970 TO 1994

(Qty. '000' Tonnes, Value: Rs. Crores)

Year	Crude Oil		Petroleum Products		Total	
	Qty.	Value	Qty.	Value	Qty.	Value
1	2	3	4	5	6	7
			GROSS IMPORTS			
1970	11665	102.36	970	30.53	12635	132.89
1975	13600	992.02	2291	199.46	15891	1191.48
1980	15976	3038.66	6800	1788.28	22776	4826.94
1981	15528	3793.83	5697	1638.58	21225	5423.41
1982	17327	4116.89	4942	1551.37	22269	5668.26
1983	15552	3471.47	4260	1246.60	19812	4718.07
1984	14620	3525.15	6043	1850.31	20663	5375.46
1985	14811	3808.74	4292	1440.70	19103	5249.44
1986	14481	2069.65	3362	818.06	17843	2887.71
1987	17977	3105.25	3659	884.69	21636	3989.94
1988	17712	2811.28	5554	1273.36	23266	4084.64
1989	18919	3718.63	6489	2106.33	25408	5824.96
1990	20793	5929.62	7454	3541.64	28247	9471.26
1991	21813	6827.57	9746	5533.55	31559	12361.12
1992	29977	10423.44	10308	5711.66	40285	16143.60
1993	30309	10916.90	11954	7107.23	42263	18024.13
1994	27895	9915.10	13918	7438.17	41813	17753.87
			EXPORTS			
1970	-	-	412	5.72	412	5.72
1975	-	-	166	13.83	166	13.83
1980	-	-	70	17.98	70	17.98
1981	-		55	15 13	55	15.13
1982	4391	1044.71	648	101.23	5039	1145.94
1983	4723	1041.87	1148	286.64	5871	1328.51
1984	6760	1598.55	1071	271.63	7831	1870.18
1985	2044	503.88	1695	482.06	3739	985.94
1986	-	-	2364	389.2	2364	389.32
1987	-	-	3455	662.07	3455	662.07
1988	-	-	2267	472.85	2267	472.85
1989	-	-	2531	654.84	2531	654.84
1990	-	-	2605	941.40	2605	941.40
1991	-	-	2477	1041.13	2477	1041.13
1992	-	-	3986	1658.33	3986	1658.33
1993	-	-	4003	1547.22	4003	1547.22
1994	-	-	3482	1580.74	3482	1580.74
			NET IMPORTS			
1970	11665	102.36	558	24.81	12223	127.17
1975	13600	992.02	2125	185.63	15725	1117.65
1980	15976	3038.66	6730	1770.30	22706	4808.96
1981	15528	3793.83	5642	1623.45	21170	5417.28
1982	12936	3072.18	4294	1450.14	17230	4522.32
1983	10829	2429.60	3112	959.96	13941	3389.56
1984	7860	1926.60	4972	1578.68	12832	3505.28
1985	12767	3304.86	2597	958.64	15364	4263.50
1986	14481	2069.65	998	428.74	15479	2498.39
1987	17977	3105.25	204	222.62	18181	3327.87
1988	17712	2811.28	3287	1273.36	20999	3611.79
1989	18919	3718.63	3958	1451.49	22877	5170.12
1990	20793	5929.62	4849	2600.24	25642	8529.86
1991	21813	6827.57	7269	4492.42	29082	11319.99
1992	29977	10432.44	6322	4052.83	36299	14485.27
1993	30309	10916.90	7951	5560.01	38260	16476.91
1994	27895	9915.10	10436	5858.03	38331	15773.13

IMPORTS/EXPORTS OF CRUDE OIL AND PETROLEUM PRODUCTS
1970-71 TO 1994-95

(Qty. '000' Tonnes, Value: Rs. Crores)

Year	Crude Oil		Petroleum Products		Total	
	Qty.	Value	Qty.	Value	Qty.	Value
1	2	3	4	5	6	7
GROSS IMPORTS						
1970-71	11683	106.72	1084	29.91	12767	136.63
1975-76	13624	1051.76	2218	204.34	15842	1256.10
1980-81	16248	3348.97	7289	1917.52	23537	5266.49
1981-82	15298	3736.38	4884	1453.16	20182	5189.54
1982-83	16949	4043.74	5028	1553.94	21977	5597.68
1983-84	15967	3541.05	4328	1270.75	20295	4811.80
1984-85	13642	3430.34	6092	1914.91	19734	5345.25
1985-86	15144	3686.80	3865	1273.60	19009	4960.40
1986-87	15476	2120.19	3047	652.69	18523	2772.88
1987-88	17734	2986.31	4151	1024.32	21883	4010.63
1988-89	17815	2861.08	6495	1559.84	24310	4420.92
1989-90	19490	4089.35	6564	2254.71	26054	6344.06
1990-91	20699	6118.42	8660	4660.21	29359	10778.63
1991-92	23994	7820.05	9445	5218.27	33439	13038.32
1992-93	29247	10685.86	11283	6359.60	40530	17045.46
1993-94	30822	10688.52	12076	7041.93	42898	17729.95
1994-95(P)	27349	10316.03	13951	7521.71	41300	17837.74
EXPORTS						
1970-71	-	-	332	4.67	332	4.67
1975-76	-	-	170	13.96	170	13.96
1980-81	-	-	36	8.41	36	8.41
1981-82	838	196.23	55	15.13	893	211.36
1982-83	4552	1063.37	795	133.79	5347	1197.16
1983-84	5522	1231.10	1472	356.96	6994	1588.06
1984-85	6478	1563.16	933	255.03	7411	1818.19
1985-86	528	135.15	1963	509.58	2491	644.73
1986-87	-	-	2491	411.23	2491	411.23
1987-88	-	-	3412	648.75	3412	648.75
1988-89	-	-	2295	523.63	2295	523.63
1989-90	-	-	2593	695.56	2593	695.56
1990-91	-	-	2648	1003.94	2648	1003.92
1991-92	-	-	2936	1214.65	2936	1214.65
1992-93	-	-	3719	1606.28	3719	1606.28
1993-94	-	-	4034	1508.81	4034	1508.81
1994-95(P)	-	-	3254	1587.36	3254	1587.36
NET IMPORTS						
1970-71	11683	106.72	752	25.24	12435	131.96
1975-76	13624	1051.76	2048	190.38	15672	1242.14
1980-81	16248	3348.97	7253	1909.11	23501	5258.08
1981-82	14460	3540-15	4829	1438.03	19289	4978.18
1982-83	12397	2980-37	4233	1420.15	16630	4400.52
1983-84	10445	2309.95	2856	913.79	13301	3223.74
1984-85	7164	1867.18	5159	1659.88	12323	3527.06
1985-86	14616	3551.65	1902	764.02	16518	4315.67
1986-87	15476	2120.19	556	241.47	16032	2361.66
1987-88	17732	2986.31	739	375.57	18471	3361.88
1988-89	17815	2861.08	4200	1036.21	22015	3897.29
1989-90	19490	4089.35	3971	1559.15	23461	5648.50
1990-91	20699	6118.42	6012	3656.29	26711	9774.71
1991-92	23994	7820.05	6509	4003.62	30503	11823.67
1992-93	29247	10685.86	7564	4753.32	36811	15439.18
1993-94	30822	10688.52	8042	5532.62	38864	16221.14
1994-95(P)	27349	10316.03	10697	5934.35	38046	16250.36

(P) = Provisional

IMPORTS/EXPORTS OF CRUDE OIL AND PETROLEUM PRODUCTS
1987 TO 1994

(Qty :'000' Tonnes, Value : Rs.Crores)

ITEM	1987		1988		1989		1990		1991		1992		1993		1994	
	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
17																
GROSS IMPOTS@																
A. Crude Oil	17977	3105.25	17712	2811.28	17919	3718.63	20793	5929.62	21813	6827.57	29977	10432.44	30309	10916.90	27895	9915.10
B. Petroleum Products																
I. Light Distillates	116	35.63	215	64.10	294	91.80	346	147.67	265	185.47	329	236.56	360	217.98	569	347.27
1. Naphtha	16	3.89	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2. Others	100	31.74	215	64.10	294	91.80	346	147.67	265	185.45	329	236.56	360	217.98	569	347.27
II. Middle Distillates	3346	765.77	4551	1000.41	5854	1818.79	6826	3186.89	9039	4871.63	9592	4989.73	113.99	6597.03	13119	6857.21
1. ATF	26	6.23	78	17.78	213	69.19	94	31.09	24	10.10	—	—	—	—	27	17.03
2. SKO	2215	512.00	2407	552.80	2685	870.57	2953	1549.02	3495	1993.84	3346	1831.63	3792	2355.68	4514	2544.03
3. HSDO	1101	245.61	2066	429.83	2956	8879.03	3779	1606.78	5520	2868.69	6246	3158.10	7607	4241.35	8578	4296.15
III. Heavy Ends	197	83.29	788	208.85	381	195.74	282	207.08	418	476.47	387	484.67	195	292.22	231	234.29
1. FO	—	—	465	52.19	—	—	—	—	—	—	—	—	—	—	95	28.03
2. Lubes	184	70.81	303	134.51	321	174.57	262	178.56	371	424.93	358	416.24	166	224.76	81	132.87
3. Waxes	13	12.48	20	22.15	20	21.17	20	28.52	21	42.21	29	68.63	29	67.46	28	59.12
4. Others	—	—	—	—	—	—	—	—	—	26	9.33	—	—	—	—	14.27
Total (B)	3659	884.69	5554	1273.36	6489	2106.33	7454	3541.64	9722	5533.55	103.08	5711.16	11954	7107.23	13918	7438.77
Grand Total (A+B)	21636	3989.94	23266	4084.64	25408	5824.96	28247	9471.26	31535	12361.12	40285	16143.60	42263	18024.13	41813	17353.87
EXPORTS@																
A. Crude Oil	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
B. Petroleum Prducts																
I. Light Distillates	2637	532.11	2024	410.78	2384	627.07	2247	840.87	1906	828.47	2562	1239.59	2329	1051.07	2982	1308.35
1. Naphtha	2619	527.08	2002	403.87	2014	560.14	1608	617.27	1234	549.66	1700	836.52	1465	674.01	2277	1011.76
2. Others	18	5.03	22	6.91	310	66.93	639	223.60	672	278.81	862	403.07	864	377.06	305	296.98
II. Middle Distillates	172	44.91	193	55.86	60	17.28	85	35.44	221	137.58	264	166.46	291	198.90	335	229.94
1. HSD/LDO	88	22.42	99	27.67	28	8.16	43	16.93	124	74.26	144	88.76	155	103.07	307	208.12
2. Others	84	22.49	94	28.19	32	9.12	42	18.51	97	63.32	120	77.70	136	95.83	28	21.82
III. Heavy Ends	646	85.05	50	6.21	87	10.49	273	65.09	350	75.08	1160	252.28	1383	297.25	165	42.45
1. FO	644	84.02	49	5.43	84	9.52	272	64.82	347	73.08	1154	249.20	1367	292.89	160	36.02
2. Othes	2	1.03	1	0.78	3	0.97	1	0.27	3	2.00	6	3.08	16	4.36	5	6.43
Total (B)	3455	662.07	2267	472.85	2351	654.84	2605	941.40	2477	1041.13	3986	1658.33	4003	1547.22	3482	1580.74
Grand Total (A+B)	3455	662.07	2267	472.85	2531	654.84	2605	941.40	2477	1041.13	3986	1658.33	4003	1547.22	3482	1580.74
NET IMPORTS																
A. Crude Oil	17977	3105.25	17712	2811.28	18919	3718.63	20793	5929.62	21813	6827.57	29977	10432.44	30309	10916.90	27895	9915.10
B. Petroleum Prducts	204	222.62	3287	800.51	3958	1451.49	4849	2600.24	7245	4492.42	6322	4052.83	7951	5560.01	10436	5858.03
Total (Net Imports)	18181	3327.87	20999	3611.79	22877	5170.12	25642	8529.86	29058	11319.99	36299	14485.27	38260	16476.91	38331	15773.13

@ Includes supplies of POL Products to Nepal w.e.f. 1.4.83 onwards. P = Provisional

IMPORTS/EXPORTS OF CRUDE OIL AND PETROLEUM PRODUCTS

(Qty :'000' Tonnes, Value : Rs.Crores)

$ ITEM	1990-91		1991-92		1992-93		1993-94		1994-95	
	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value
1	2	3	4	5	6	7	8	9	10	11
				GROSS IMPOTS@						
A. Crude Oil	20699	**6110.42**	23994	7820.05	29247	10685.86	30822	10688.52	27349	**10316.03**
B. Pol. Products										
I. Light Distillates	334	**164.26**	262	200.37	336	225.86	414	241.77	594	**419.77**
1. Naphtha	-	-	-	-	-	-	-	-	--	
2. LP6	329	160.26	215	148.38	328	218.33	410	237.20	592	416.78
3.0thers	5	4.00	47	51.99	8	7.53	4	4.S7	2	2.99
II. Middle Distillates	8047	4253.60	8720	4485.25	10622	5700.31	11501	6545.77	12955	**6816.71**
1. ATF	27	7.98	24	10.10	-	-	-	-	78	51.31
2. SKG	3340	1963.37	3367	1824.50	3463	2008 .97	3946	2370.80	4240	2405.31
3.HSD	4680	2282.25	5329	2650.65	7159	3691.34	7555	4174.97	8637	4460.09
III. Heavy Ends	279	**242.35**	463	532.65	325	433.43	161	253.89	402	**285.23**
1. Furnace Oil	-	-	-	-	-	-	-	-	267	91.62
2. Lubes	256	207.91	412	467.75	296	363.05	132	187.66	87	138.53
3. Waxes	23	34.44	25	55.56	29	70.38	29	66.23	20	40.81
4.RPC	-	-	26	9.34	-	-	-	-	-	-
5. Others	-	-	-	-	-	-	-	-	28	14.27
TOTAL (B)	8660	**4660.21**	9445	5218.27	11283	6359.60	12076	7041.43	13951	**7521.71**
GRAND TOTAL(A+B)	29359	**10778.63**	33439	13038.32	40530	17045.46	42898	17729.95	41300	**17837.74**
				EXPORTS						
A. Crude Oil	-	-	-	-	-	-	-	-	-	-
B. Pol. Products										
I. Light Distillates	2124	**847.90**	2117	944.18	2435	1203.67	2437	1016.73	2870	**1341.18**
1. .Naphtha	1520	621.87	1423	644.30	1518	769.31	1625	683.20	22J9	1061.40
2. LPG	(.....Included in others.....)						9	7.68	12	9.90
3.0thers	604	226.03	694	299.88	917	434.36	803	325.85	609	269.88
II. Middle Distillates	161	65.96	232	161.02	275	167.69	292	210.09	352	**231.25**
1. HSD/LD0	82	31.54	125	86.00	146	87.95	155	141.38	182	119.49
2. 0thers	79	34.42	107	75.02	129	79.74	137	102.71	170	111.76
III. Heavy Ends	363	90.06	587	109.45	1009	234.92	1305	280.99	32	**14.95**
1. FO/LSHS	357	88.50	583	106.93	1003	231.84	1288	275.20	29	10.58
2. 0thers	6	1.56	4	2.52	6	3.08	17	5.79	3	4.37
TOTAL (B)	2648	1003.92	2936	1214.65	3719	1606.28	4034	1508.81	3254	**1587.38**
GRAND TOTAL (A+B)	2648	1003.92	2936	1214.65	3719	1606.28	4034	1508.81	3254	**1587.38**
				NET IMPORTS						
A. Crude OiL	20669	6118.42	23994	7820.85	29247	18685.86	30822	10688.52	27349	10316.03
8. Pol.Products	6012	3656.29	6509	4003.62	7564	4753.32	8042	5532.62	10697	5934.33
GRAND TOTAL	26711	9774.71	30503	11823.67	36811	15439.18	38864	16221.14	38046	**16250.36**

$: Provisional.

@ : Includes NOC Imports but excludes imports made by private companies.

TREND IN INDIA'S OVERALL TRADE BALANCE AND TRADE BALANCE WITH OPEC COUNTRIES

(RS/CRIRES)

Year	India's Overall Trade					India's Trade with OPEC Countries					% of India's Trade with OPEC to India's total trade	
	Exports	Imports	Balance of Trade	% Variation Over Preceding year		Exports	Imports of	Balance Trade	% Variation Overpreceding year			
				Exports	Imports				Exports	Imports	Exports	Imports
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11	12.	13.
1970-71	1535	1634	-99	8.6	3.3	99	126	-27	-	-	6.4	7.7
1971-72	1608	1825	-217	4.8	11.7	76	182	-106	-23.2	44.4	4.7	10.0
1972-73	1971	1867	104	22.6	2.3	94	200	-106	23.7	9.9	4.8	10.7
1973-74	2523	2955	-432	28.0	58.3	187	532	-345	98.9	166.0	7.4	18.0
1974-75	3329	4519	-1190	32.0	52.9	467	1100	-633	149.7	106.8	14.0	24.3
1975-76	4036	5265	-1229	21.2	16^5	633	1166	533	35-5	6.0	15.7	22.1
1976-77	5142	5074	+68	27.4	-3.6	707	1296	589	11.7	11.1	13.8	25.5
1977-78	5408	6020	-612	5.2	18.6	674	1340	666	-4.7	3.4	12.5	22.3
1978-79	5726	6811	-1085	5.9	13.1	733	1382	649	8.8	3.1	12.8	20.3
1979-80	6418	9143	-2725	12.1	34.2	717	2410	1693	-2.2	74.4	11.2	26.4
1980-81	6711	12549	-5838	4.6	37.3	745	3488	-2743	3.9	44.7	11.1	27.8
1981-82	7806	13608	-5802	16.3	8.4	940	3770	-2830	26.2	8.1	12.0	27.6
1982-83	8803	14293	-5490	12.8	5.0	820	3899	-3079	-12.8	3.4	9.8	27.2
1983-84	9771	15831	-6060	11.0	10.8	882	3225	-2343	7.6	17.3	9.0	20.4
1984-85	11744	17134	5390	20.2	8.2	944	3326	2282	7.0	3.1	8.0	19.0
1985-86	10895	19658	-8763	-7.2	14.7	835	3420	-2585	-11 5	2.8	7.7	17.8
1986-87	12452	20096	-7644	14.3	2.2	831	1792	-961	-0.5	-47.6	6.7	8.9
1987-88	15674	22244	-6570	25.9	10.7	980	3319	-2339	17.9	85.2	6.3	14.9
1988-89	20232	28235	-8003	29.1	26.9	1207	3681	-2474	23.2	10.9	6.0	13.0
1989-90	27658	35328	7670	36.7	25.4	1841	5074	-3233	52.5	37.8	6.7	14.3
1990-91	32553	43198	-10645	17 7	22.0	1831	7041	-5210	-0 5	38.8	5.6	16.3
1991-92	44041	47851	-3810	35.3	10.8	3852	9499	-5647	110.4	34.9	8.7	19.9
1992-93	53688	63375	-9687	21.9	32.4	2850	13690	-10840	74 0	44.1	5 3	21.6
1993-94	69547	72806	-3259	29.5	14.9	3861	16363	-12502	35.5	19.5	5.6	22.5
1994-95	82338	88705	-6367	18.4	21.8	7554	19011	-11457	95.6	16.2	9.2	21.4

(P) = Provisional Source: Ministry of Commerce Economic Survey.

INDIA'S FOREIGN EXCHANGE RESERVES (1970-71 TO 1994-95)

Year	S.D.R.S. Million	GOLD* (Rs. Crores)	Foreign Exchange (Rs. crores)
(1)	(2)	(3)	(4)
1970-71	148.9	182.53	438.12
1975-76	202.8	182.53	1491.70
1976.77	187.4	187.80	2862.99
1977-78	161.6	193.09	4499.75
1978-79	364.9	219.50	5219.86
1979-80	529.1	224.71	5163.66
1980-81	490.5	225.58	4822.12
1981-82	425.1	225.58	3354.47
1982-83	270.2	225.58	4265.26
1983-84	216.4	225.58	5497.9
1984-85	146.5	245.76	6818.78
1985-86	115.1	274.28	7384.35
1986-87	139.4	274.28	7645.17
1987-88	69.7	274.28	7287.14
1988-89	79.5	274.28	6604.60
1989-90	81.9	280.70	5787.20
1990-91	75.9	6828.30	4388.10
1991-92	65.7	9038.0	14578.0
1992-93	12.7	10548.80	20140.5
1993-94	76.5	12794.10	47287.0
1994-95	22.8	13751.80	66006.0

SOURCE: Economic Survey/M.O. Finance

Gold is valued at Rs. 53.58 per 10 grams upto May 1966 and at Rs. 84.39 per 10 grams upto September 1990 and closer to international makrket price w.e.f. October 17, 1990.

INDIA'S IMPORTS AS A PROPORTION TO OVERALL EXPORTS FROM THE COUNTRY 1970-71 TO 1994-95.

(Rs. Crores)

YEAR	POL Imports		India's Total Exports		Gross POL Imports as % age of total Gross Exports	Net POL Imports as % age of total Net Exports
	Gross	Net	Gross	Net of POL Exports		
1	2	3	4	5	6	7
1970-71	137	132	1535	1530	8.9	8.6
1975-76	1256	1242	4036	4022	31.1	30.9
1976-77	1424	1417	5142	5135	27.7	27.6
1977-78	1552	1546	5408	5393	28.7	28.6
1978-79	1681	1677	5726	5722	29.4	29.3
1979-80	3270	3246	6418	6394	51.0	50.8
1980-81	5266	5258	6711	6703	78.5	78.4
1981-82	5191	4978	7806	7594	66.5	65.6
1982-83	5598	4401	8803	7606	63.6	65.6
1983-84	4812	3224	9771	8183	49.2	39.4
1984=85	5345	3527	11744	9926	45.5	35.5
1985-86	4961	4316	10895	10250	45.5	42.1
1986-87	2773	2362	12452	12041	22.3	19.6
1987-88	4011	3362	15674	15025	25.6	22.4
1988.89	4421	3897	20232	19708	21.9	19.8
1989-90	6344	5648	27681	26962	22.9	20.9
1990-91	10779	9775	32553	31549	33.1	31.0
1991-92	13038	11824	44041	42826	29.6	27.6
1992-93	17046	15439	53688	52062	31.8	29.6
1993-94	17730	16221	69547	68038	25.5	23.8
1994-95	17838	16250	82338	80751	21.7	20.1

Source: For col. 4: Ministry of Commerce, DGCI & S, Calcutta. (P) = Provisional

XIII. NO. OF PERSONS EMPLOYED

NO. OF PERSONS EMPLOYED IN THE PETROLEUM INDUSTRY IN INDIA

(Number)

CATEGORY	1980	1985	1989	1990	1991	1992	1993	1994	1995
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1. Exploration & Production	31413	48700	55656	56477	58187	58627	58864	58590	57633
2. Refining	15334	23074	24188	25751	26479	29656	23386	22589	23031
3. Marketing	19920	27717	34615	36261	33074	35353	38414	39255	34270
4. Pipelines	2215	2901	3019	3189	3579	3711	3312	3654	3619
5. R & D	-	-	-	-	-	-	3035	3048	2953
6. Others	3415	4480	4362	6268	8359	8446	14340	14359	14929
Grand Total	**72297**	**106872**	**121840**	**129946**	**129678**	**135793**	**141351**	**141495**	**136435**

CATEGORY-WISE NO. OF PERSONS EMPLOYED IN THE PETROLEUM INDUSTRY IN INDIA

(Number)

CATEGORY	1980	1985	1989	1990	1991	1992	1993	1994	1995
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1. Executive/Managerial	9311	21108	28588	31178	32446	35848	39434	40479	40282
2. Supervisory	6512	10432	11067	12229	12744	11713	9623	9593	9245
3. Clerical	12403	15878	16407	17254	15993	17511	17633	16388	16934
4. Workmen	44057	59313	63617	65475	63795	65479	66201	66656	64722
5. TOTAL	72283	106731	119679	126136	124978	130551	132891	133116	131183
6. Expatriates/ Foreign Experts/ on Contract	14	141	2161	3810	4700	5242	8460	8379	5252
GRAND TOTAL	**72297**	**106872**	**121840**	**129946**	**129678**	**135793**	**141351**	**141495**	**136435**

Note: Staff Employed as on 1st April of each year.

CATEGORY-WISE NO. OF PERSONS EMPLOYED IN VARIOUS SECTORS OF PETROLEUM INDUSTRY IN INDIA

(Number)

CATEGORY	1980	1985	1989	1990	1991	1992	1993	1994	1995
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
EXPLORATION AND PRODUCTION									
1. Executive/ Managerial	3394	10183	14432	15864	17473	18944	17447	17327	17555
2. Supervisory	1994	4537	5092	5594	6040	1992	4794	4948	4279
3. Clerical	3795	5438	4938	4749	4728	4689	4625	4281	4532
4. Workmen	22216	28401	29423	28712	28610	28628	31156	30941	30295
5. TOTAL	31399	48559	53885	54919	56851	57253	58022	57497	56661
6. Expatriates/ Foreign Experts/ Contract	14	141	1771	1558	1336	1374	842	1093	972
GRAND TOTAL	**31413**	**48700**	**55656**	**56477**	**58187**	**58627**	**58864**	**58590**	**57633**
PETROLEUM REFINING @									
I. Executive/Managerial	2055	3878	4602	5009	5287	6261	4527	4437	4271
2. Supervisory	1050	1648	1071	1216	1471	1653	1432	889	1195
3. Clerical	1791	2728	3265	3427	3256	4514	2773	1938	2479
4. Workmen	10438	14820	14942	14995	14856	15849	12012	12280	11893
5. TOTAL	15334	23074	23880	24647	24870	28077	20744	19544	19838
6. Expatriates/ Foreign Experts/ Contract	-	-	308	1104	1609	1579	2642	3045	3193
GRAND TOTAL	**15334**	**23074**	**24188**	**25751**	**26479**	**29656**	**23386**	**22589**	**23031**
MARKETING									
1. Executive/Managerial	3318	6047	8320	8586	7884	8644	8526	9327	8678
2. Supervisory	1591	1441	2163	2222	2041	1851	2061	2210	2314
3. Clerical	5820	6533	7106	7030	5746	5984	6085	6214	5566
4. Workmen	9191	13696	16964	17302	15716	16644	16912	17753	17291
5. TOTAL	19920	27717	34553	35140	31387	33123	33584	35504	33849
6. Expatriates/ Foreign Experts/ Contract	-	-	62	1121	1687	2230	4830	3751	421
GRAND TOTAL	**19920**	**27717**	**34615**	**36261**	**33074**	**35353**	**38414**	**39255**	**34270**

@ = Includes IOC's Head Office, Regional office.

XIV WHOLESALE AVERAGE PRICE INDICES OF PETROLEUM PRODUCTS, ENERGY & ALL COMMODITIES IN INDIA

(1981-82 = 100)

Year	Petroleum → Crude & Natural Gas	Petroleum Products									Energy Items				All Commodities
		Petrol/ Mogas	Kero-sene	ATF	H.S.D.	L.DO.	FO	Lubri-cants	Naph-tha	Bitu-men	Coal Mining	Coke	Lig-nite	Elec-tricity	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1982-83	103.1	102.4	101.1	104.1	103.3	102.9	102.9	102.1	101.2	103.1	115.9	127.0	116.5	111.5	104.9
1983-84	99.6	103.3	108.6	109.2	108.7	107.2	104.9	103.2	108.2	101.7	128.2	137.6	142.1	120.5	112.8
1984-85	103.0	104.5	109.4	110.3	108.5	109.1	106.1	104.3	110.2	102.2	155.1	153.2	180.8	124.8	120.1
1985-86	103.0	120.6	121.8	128.5	117.0	124.5	121.3	120.9	127.5	116.8	159.1	155.0	189.0	139.6	125.4
1986-87	99.3	127.0	129.9	139.7	120.2	124.5	121.3	124.2	135.1	116.8	174.5	162.2	193.2	153.5	132.7
1987-88	93.5	130.6	129.9	142.6	122.1	124.5	121.4	123.9	123.7	116.8	183.0	162.2	193.1	166.7	143.5
1988-89	89.1	145.2	129.9	139.7	119.8	124.5	121.6	148.3	130.1	117.8	212.3	162.2	197.3	176.6	154.2
1989-90	91.8	146.0	129.9	140.9	120.0	124.9	121.5	152.2	131.0	117.9	231.8	162.2	218.9	187.7	165.7
1990-91	99.6	187.3	144.3	193.7	155.2	139.1	134.7	182.1	133.3	125.8	232.6	162.2	242.9	200.9	182.7
1991-92	101.0	238.8	150.8	247.3	173.0	166.1	160.5	226.5	145.6	146.5	249.9	177.4	255.2	222.8	207.8
1992-93	102.7	263.9	146.7	278.6	195.9	197.0	188.5	275.5	178.3	172.8	301.2	221.6	287.8	249.0	228.7
1993-94	120.7	275.9	146.7	290.5	216.4	223.3	207.8	330.0	201.9	190.7	346.4	252.6	287.8	318.3	247.8
1994-95*	129.1	293.5	146.7	290.5	235.2	243.1	206.8	337.9	201.9	190.7	367.8	267.2	312.1	349.1	274.7

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

*:Provisional.

PRICES OF INDIGENOUS ONSHORE AND OFFSHORE CRUDE OIL IN INDIA.
34° API GRAVITY

Item		Unit	Price effective from												
			14.7.75	8.9.76	16.12.77	1.4.81	11.7.81	15.2.83	1.4.84	1.3.87	1 4.87	1.2.89	1.4.90	16.9.92	1.4.93
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
							(i) Onshore Crude Oil								
1.	Base Price (as fixed by the Govt)	Rs/Bbl	36.64*	33.30*	27.60	27.60	138.54	138.54	138.54	138.54	138.54	138.54	138.54	204.34	236.23
2.	Conversion factor	Bbl/MT	7.37	7.37	7.37	7.37	7.37	7.37	7.37	7.37	7.37	7.37	7.37	7.37	7.37
3.	Base Price	Rs/MT	270.04 **	245.42**	203.41	203.41	203.41	1021.00	1021.00 @ @	1021.00	1021.00	1021.00	1021.00	1506.00	1741.00
4.	Oil Development Cess	Rs/MT	@	60.00	60.00	60.00	100.00	300.00	300.00	600.00	600.00	900.00	900.00	900.00	900.00
5.	Royalty	Rs/MT	@	@	42.00	61.00	61.00#	61.00#	192.00	192.00	314.00	314.00	481.00	481.00	528.00
6.	Total Price (including cess & royalty)	Rs/MT	270.04	305.41	305.41	324.41	1182.00#	1382.00#	1513.00	1813.00	1935.00	2235.00	2402.00	2887.00	3169.00
							(ii) Off shore Crude Oil								
1.	Base Price as fixed by the Govt.	Rs/Bbl			45.00	45.00	138.54	138.54	138.54	138.54	138.54	138.54	138.54	204.34	236.23
2.	Conversionfactor	Bbl/MT			7.37	7.37	7.37	7.37	7.37	7.37	7.37	7.37	7.37	7.37	7.37
3.	BasePrice	Rs/MT			331.65	331.65	1021.00	1021.00	1021.00	1021.00	1021.00	1021.00	1021.00	1506.00	1741.00
4.	Oil Development Cess	Rs/MT			60.00	60.00	100.00	300.00	300.00	600.00	600.00	900-00	900-00	900-00	900-00
5.	Royalty	Rs/MT			42.00	61.00	61.00	61.00	192.00	192.00	314.00	314.00	481.00	481.00	528.00
6.	Total Price	Rs/MT			433.65	452.65	1182.00#	1382.00#	1513.00	1813.00	1935-00	2235.00	2402.00	2887.00	3169.00

*Inclusive of royalty @ Rs.15/MT and Oil Development Cess @ Rs. 60/MT **Inclusive of royalty @ Rs. 42/MT

@ Included in the base price.

@ @ Fixed retrospectively w.e.f. 1 .4.1984.

Shows price fixed by the Govemment inclusive of royalty and Oil Development Cess.

Note: Upto 31.3.84. Applicable sales tax on ex-central tank farm price of crude oil of 34 API was borne by the producer.

The applicabie Sales Tax on the increase of Rs. 131/MT and Rs. 122/MT in the rate ot royalty w.e.f. 1.4.84 and 1.4.87 respectively and increase of cess of Rs. 300/MT w.e.f. 1.3.87 and Rs. 300/MT w.e.f. 1.2.89 is being borne by pool account.

DEVELOPMENT OF BASIC CEILING SELLING PRICES (EX-STORAGE POINT) OF PETROLEUM PRODUCTS SINCE 17.8.79

(Rs./Selling Unit)

Product	Selling Unit	Priorto 17.8 1979	Effective Date 17.8 1979	8.6 1980	13.1 1981	11.7 1981	15.2 1983	17.3 1985	1.2 1986	6.2 1986	20.3 1987	9.1 1988	1.3 1988	20.3 1990	15.10 1990	25.7 1991	16.9 1992	2.2 1994	1.3 1994**
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
ATF(Domestic)	KL	1377	2117	3217	3537	3872	4122	4740	5240	5240	5240	5240	5240	6560	8200	9840	10838	10838	9852
MS 83/87	"	3538	3888	4538	4908	5438	5438@	6369	6869	6769	6769	7694	7845	8944	11180	13416	14413	15413	12844
MS93	"	3693	4043	4693	5063	5593	5593	6421	6424	6824	6824	7749	7901	10944	13680	16416	17413	18413	15344
HSDO	"	1209	1377	1960	2330	2650	2650	3078 #	3188	3116	3116	3096	3096	3634	4542	4542	5539	6289	5717
SKO(Domestic)	"	1194	1364	1295	1395	1545	1545	1822 #	2047	1957	1957	1957	1957	1957	2446	2202	2202	2202	2001
LDO	"	887	1207	1857	2227	2506	2656	3054	3054	3054	3054	3054	3054	3054	3817	4199	5396	6146	5588
FURNACE OIL																			
For non-ferts	"	889	1209	1859	2189	2424	2524	2903	2903	2903	2903	2903	2903	2903	3629	3992	4989	4989	4535
Forests*	"	829	829	829	1039	1274	1274+	1320	1320	1320	1320	1320	1320	1320	1650	1815	2812	2812	2812
LSHS																			
Forferts*	MT													1349	1686	1854	2852	2852	2852
For non-ferts*	"													2769	3461	3807	4804	4804	4804
BITUMEN ST. GR.																			
Bulk	MT	676	1176	1826	2061	2323	2196	2575	2575	2575	2575	2575	2575	2575	3219	3540	4538	4538	4125
Packed		961	1461	2111	2346	2608	2696	3100	3100	3100	3100	3100	3100	3100	3875	4262	5259	5259	4781
NAPHTHA																			
For non ferts-	MT	1012	2482	2692	2792	2792	2792	3211	3211	3211	3211	3211	3211	3211	4014	4415	6076	6076	6076
Forferts	"	596	596	1071	1371	1723	1723	1982	1982	1982	1982	1982	1982	1982	2478	2726	3723	3723	3723
LPG (PACKED)																			
Domestic	MT	1633	1966	1966	2301	2634	2634	3029	3729	3449	3449	3449	3449	3449	3449	4139	5136	5840	5309
Non-Dom.Ess	"	1927	2260	2260	2595	2928	2928	3978	3978	3978	5001	5001	5001	5001	6251	6877	12588	12588	11443@@
Non-Dom. Non-Ess	"	-	-	-	-	-	-	5128	5128	5128	6151	6151	6151	6151	7689	8458	14169	14169	12881@@

Note: (1) Prices have been rounded to nearest Rupee.

(2) w.e.f. 1.10.1986 the productJBO, SBP 64/69, Hexane, MTO-140/205, MTO Laws have been kept outside the pricing scheme. LSHS has been brought under the pricing scheme.

**:w.e.f. 1.3.1994, C.E. duty on all petroleum products would be on advolorem basis with only two rates- Motor Spirit and Coal Tar would attract 20% duty. All other petroleum products would be charged at central excise duty at 10%.

* = Prices are exclusive of Customs and Excise Duties.

@ = With the introduction of MS 87, the price of the product was increased to Rs. 5538/KL w.e.f. 1.9.1983.

= Effective 26.3.1985.+ w.e.f. 1.9.83 the price was reduced to Rs. 1148/KL.

@@=The two categories under non-domestic LPG (Packed) for essential and non-essential have been merged together with a price of Rs. 12881/MT.

PRICE BUILD-UP OF SELECTED PETROLEUM PRODUCTS AS ON 1.4.1995

(Rs/kl)

	DELHI	KANPUR	CALCUTTA	BOMBAY	MADRAS
			MOTOR SPIRIT 87 ON		
Ex-Depot Rate	15606.14	15788.29	15799.86	15851.14	16045.25
Entry/Toll/Transit Tax	-	-	-	-	-
CST	-	-	-	-	-
Shrinkage/Octroi	-	-	-	-	-
Sales Tax	1092.43	2210.36	1579.99	3328.74	3209.05
SC on S.T.	-	-	-	-	481.36
Addl. Tax	-	-	237.00	-	160.45
Dealers Comm.	80.00	80.00	80.00	80.00	80.00
TOTAL Rm/KL	16778.57	18078.65	17696.85	19259.88	19976.11
R.S.P. Rs./LTR	16.78	18.08	17.70	19.26	19.98
			HIGH SPEED DIESEL OIL		
Ex-Depot Rate	6421.42	6549.87	6449.97	6442.2	6506.09
CST/Entry Tax	-	-	--	-	-
Sales Tax	513.71	1047.98	774.00	1352.86	1040.97
SC on S.T./Addl.Tax	-	-	-	-	156.15
Dealers Comm.	40.00	40.00	40.00	40.00	40.00
Shrinkage/Add.Tax					52.05
TOTAL Rs/KL	6975.13	7637.85	7263.97	7835.06	7795.26
R.S.P. Rs/LTR	6.98	7.64	7.26	7.84	7.80
			LIGHT DIESEL OIL		
EX-MI PRICE	6146.31	6146.31	6146.31	6146.31	6146.31
STATE SURCHARGE	25.00	5.00	82.17	55.20	175.49
RLY FRT/FRT DIFFERENTIAL	101.51	291.07	22.60	-	-
OCTROI/T.TAX	-	-	20.00	66.08	-
TOTAL	6272.82	6442.38	6271.08	6267.59	6321.80
DEPOT RATE RS/KL	6272.82	6442.38	6271.08	6267.59	6321.80
RATE OF ST	8%	12%	12%	8%	16%
RATE Of SC ON ST					15%
RATE OF ADDL. SC ON ST					5%

PRICE BUILD-UP OF SELECTED PETROLEUM PRODUETS AS ON 1.4.1995

(Rs./Kl)

	DELHI	KANPUR	CALCUTTA	BOMBAY	MADRAS
		SUPERIOR KEROSENE OIL			
EX-DEPOT RATE	2290.93	2389.37	2265.43	2265.69	2293.55
SALES TAX/CST	68.73	238.94	113.27	-	68.81
SC ON SALES TAX	-	-	-	-	10.32
ADDL. SC ON ST	-	-	-	-	3.44
SUBTOTAL	2359.66	2628.31	2378.7	226S.69	2376.12
TRANSPORTATION	95.57	70.00	60.00	120.00	33.00
WHOLESALE DEALER COMM.	14.50	52.70	14.50	52.70	8.00
OCTROI/SHRINKAGE ALLOWANCE	-	-	-	-	
LEAKAGE, EXT. ORD. ALLO.	-	-	7.20	19.50	23.76
OTHER EXPENSES	31.00	-	31.00	2.11	24.00
WHOLESALE PRICE	2500.73	2751.01	2491.40	2460.00	2464.88
LOCAL TRANSPORTATION	-	-	107.93	-	-
LEAKAGE, EXT. ORD. ALLO.	-	100.00	130.00	21.00	-
RETAILER'S COMM./MARGIN	69.00	-	69.00	69.00	335.10
PROFIT PER KL					
ROUNDED OFF TO RETAIL PRICE	0 04	-	-	-	-
R.S.P. RS/KL	2569.77	2851.01	2798.33	2S50.00	2799.98
R.S.P. RS/LTR	2.57	2.85	2.80	2.55	2. 80
		FUEL OIL			
EX-MI PRICE	4988.81	@	4988.81	4988.81	4988.81
STATE SURCHARGE	25.00		78.11	52.60	166.82
RLY FRT/FRT DIFfERENTIAL	133.89		24.31	-	-
OCTROI/BMC SURCHARGE	-		20.00	62.81	
SUBTOTAL	5147.70		5111.23	5104.22	5155.63
ENTRY TAX	-		-	-	
SUBTOTAL	5147.70		5111.23	5104.22	5i55.63
DEPOT RATE RS/KL	5147.70		5111.23	5104.22	5155.63
RATE OF ST	7%		8%	8%	10%
RATE OF SC ON ST					15%
RATE OF ADDL. SC					5%
RATE OF OCTROI			20/-KL		

@ : There is no storage facility at Kanpur.

PRICE BUILD-UP OF SELECTED PETROLEUM PRODUETS AS ON 1.4.1995

	DELHI	KANPUR	CALCUTTA	BOMBAY	MADRAS
LIQUIFIED PETROLEUM GAS (Rs./14.2 Kg. Cyl.)					
PRICE AT PRICING POINT	89.67	90.30	89.70	87.60	87.60
STATE SURCHARGE	-	-	1.21	0.81	2.59
FRT/LOCAL DELIVERY CHARGE	0.7S	0.75	0.75	0.75	0.75
OCTROI	-	-	0.54	0.98	-
SUBTOTAL	90.42	9t.05	92.20	90.14	90.94
CST/SALES TAX	4.52	9.11	13.83	3.61	7.28
SURCHARGE ON ST	-	-	2.12	-	1.45
DISTRIBUTORS COMMISSION	3.37	3.37	3.37	3.37	3.37
SUB TOTAL	98.31	103.53	111.52	97.12	103.04
R.S.P. FOR 15 KG. CYL.	98.31	103.53	111.52	97.12	103.04
R.S.P. FOR 14.2 KG. CYL.	93.07	98.01	105.57	91.94	97.54
ATF (DOMESTIC AIRLINES) (Rs./Kl)					
EX-MI PRICE	10837.56	10837.56	10837.56	10837.56	10837.56
FRT. DIFFERENTIAL	-	-	20.39	-	-
RLY. FRT.	100. 95	297.81 -	-		
BMC OCTROI/LOCAL LEVY	-	10.00 -	-	-	
ENTRY TAX	-	-	221.50	-	
STATE SURCHARGE	25.00	-	192.57	272.82	411.25
AIR FIELD CHARGE	24.44	41.94	24.44	24.44	24.44
POSTED AIR FIELD PRICE	10987.95	11187.31	11296.46	11134.82	11273.25
ATF (INTERNATIONAL AIRLINES) US$/KL					
BASIC PRICE	203.41		203.41	203.41	203.41
ENTRY TAX/LOCAL LEVIES	-		4.07	-	
SALES TAX	-		51.87	61.02	40.68
SC ON SALES TAX	-		7.78	-	6.10
ADDL. SC ON ST	-		-	-	2.03
TOTAL FOR NON-SCH. AIRLINES	203.41		267.13	264.43	252.22
TOTAL FOR SCH. FOREIGN AIRLINE	203.41		207.48	264.43	252.22
NON-SCH. PASSENGER AIRCRAFT					
RATE OF SALES TAX	-		25.00	30.00	20.00
ADDL. TAX			15.00		15.00
ENTRY TAX			2.00		5.00

TRENDS IN RETAIL SELLING PRICES OF SELECTED PETROLEUM PRODUCTS IN METROPOLITAN TOWNS IN INDIA

PRICES AS ON	BOMBAY	CALCUTTA	DELHI	MADRAS	KANPUR
	MOTOR SPIRIT 83 (RS./LITRE)				
01.01.1973	1.43	1.46	1.44	1.41	1.47
01.01.1974	2.81	2.82	2.78	2.69	2.73
01.01.1975	3.26	3.27	3.27	3.19	3.35
01.01.1976	3.36	3.39	3.39	3.30	3.47
01.01.1977	3.39	3.38	3.39	3.29	3.48
01.01.1978	3.38	3.38	3.39	3.29	3.48
01.01.1979	4.04	4.04	4.04	4.90	4.14
17.08.1979	4.43	4.42	4.41	4.25	4.52
08.06.1980	5.15	5.14	5.11	4.90	5 22
13.01.1981	5.56	5.54	5.50	5.29	5 62
11.07.1981	6.15	6.13	6.07	6.17	6.19
01.04.1982	6.15	6.13	6.07	6.17	6.19
15.02.1993	6.21	6.16	5.90	6.17	6 25
01.04.1983	6.21	6.31	5.99	6.16-	6 15
01.04.1984 (Ms-87 on)	6.32	6.24	6.09	6.44	6.26
01.06.1984	6.41	6.24	6.12	6.44	6.26
17.03.1985	7.34	7.16	7.00	7.39	7 16
01.02.1986	7.90	7.71	7.54	7.96	7 85
06.021986/01.04.1986	7.79	7.60	7.43	7.84	7.74
01.04.1987	7.79	7.60	7.43	7.84	7 85
01.04.1988	9.14	8.70	8.50	8.96	8 93
01.04.1989	9.14	8.70	8.50	9.43	8.93
01.04.1990 (Ms-87)	10.76	10.07	9.84	11.09	10.31
01.04.1991	13.72	12.53	12.23	13.81	12 73
01.04.1992	16.71	15.48	14.62	17.17	15 19
01.04.1993	17.91	16.59	15.71	18.74	16.35
01.03.1994	19.11	17.70	16.78	19.96	17.45
08.04.1995	19.26	17.68	16.80	19.98	18.12
	HIGH SPEED DIESEL OIL (RS./LITRE)				
01.01.1973	0.83	0.90	0.86	0.87	0.88
01.01,1974	0.81	0.87	0.84	0.88	0.87
01.01.197S	1.06	1.10	1.11	1.15	1 15
01.01.1976	1.28	1.35	1.36	1.36	1 32
01.01.1977	1.27	1.36	1.34	1.35	1.33
01.01.1978	1.27	1.36	1.34	1.35	1.33
01.04.1979	1.39	1.49	1.47	1 49	1 50
17.08.1979	1.58	1.68	1.66	1 66	1 69
11.09.1979	1.50	1.60	1.58	1.59	1.61
08.06.1980	2.21	2.25	2.28	2.24	2.34
13.01.1981	2.61	2.66	2.67	2 66	2.76
11.07.1981	2.96	3.01	3.02	305	3.11
01.04.1982	2.96	3.01	3.02	3.05	3.11
15.02.1983	3.21	3.31	3.18	3.27	3.46
01.04.1983	3.21	3.30	3.19	3 26	3 40
01.04.1984	3.21	- 3.30	3.20	3 34	3 42
01.06.1984	3.27	3.30	3.22	3.34	3.42
17.03.1985	3;52	3.35	3.47	3.60	3.70
26.03.1985	3.45	3.48	3.39	3.52	3.60
01.02.1986	3.64	3.68	3.58	3.73	3.81
06.02.1986/01.04.1986	3.57	3.60	3.50	3 65	3 73
01.04.1987	3.63	3.59	3.50	3 64	3 84
01.04.1988	3.63	3.59	3.50	3.64	3.84
01.04.1989	3.63	3.59	3.50	3.69	3.83
01.04.1990	4.30	4.20	4.06	4.36	4.44
01.04.1991	5.62	5.20	5.05	5.42	5.42
01.04.1992	5.68	5.31	5.05	5.72	5.42
01.04.1993	6.88	6.43	6.17	6.91	6.54
01.03.1994	7.78	7.27	6.98	7.80	7.38
08.04.1995	7.84	7.25	6.99	7.80	7.69

TRENDS IN RETAIL SELLING PRICES OF SELECTED PETROLEUM PRODUCTS IN METROPOLITANTOWNS IN INDIA

PRICES AS ON	BOMBAY	CALCUTTA	DELHI	MADRAS	KANPUR
		Superior Kerosene (Rs./LITRE)			
01.01.1973	0.61	0.65	0.65	0.65	0.74
01.01.1974	0.82	0.84	0.82	0.85	0.86
01.01.1975	1.04	1.05	1.08	1.10	1.25
01.01.1976	1.21	1.25	1.29	1.31	1.39
01.01.1977	1.21	1.24	1.29	1.31	1.34
01.01.1978	1.18	1.24	1.30	1.31	1.34
01.04.1979	1.29	1.38	1.43	1.43	1.47
01.08.1979	1.46	1.56	1.61	1.62	1.66
17.09.1979	1.39	1.49	1.54	1.55	1.59
08.06.1980	1.39	1.49	1.54	1.55	1.59
13.01.1981	1.49	1.60	1.65	1.67	1.70
11.07.1971	1.60	1.76	1.81	1.84	1.90
01.04.1982	1 ;66	1.80	1.81	1.78	1.90
15.02.1980/Subsidised	1.70	1.80	1.77	1.78	1.90
Non-subsidised	3.00	3.12	3.10	3.15	3.35
18.03.1983	1.80	1.91	1.88	1.89	2.10
01.04.1983	1.80	1.90	1.88	1.88	2.05
01.04.1984	1.81	1.92	1.89	1.88	2.05
01.06.1984	1.85	1.92	1.92	1.88	2.05
17 03.1885	2.10	2.18	2.18	2.15	2.33
26 03.1985	2.03	2.12	2.11	2.08	2.25
01.02.1986	2.66	2.36	2.34	2.34	2.50
06.02.1986/01.04.1986	2.17	2.27	2.25	2.25	2.40
01 04.1987	2.17	2.27	2.25	2.25	2.50
01 04.1988	2.14	2.27	2.25	2.25	2.50
01.04.1989	2.17	2.27	2.25	2.27	2.50
01.04.1990	2.17	2.27	2.25	2.29	2.50
01 04.1991	2.66	2.90	2.77	2.95	3.04
01 04.1992	2.44	2.70	2.52	2.80	2.78
01.04.1993	2.44	2.75	2.54	2.80	2.78
01.03.1994	2.53	2.80	2.58	2.80	2.78
08.04.1995	2.55	2.80	2.57	2.80	2.85
		Liquified Petroleum Gas (Rs/. Cylinder)			
	14.2 Kg.cyl	15Kg.cyl	15 Kg.cyl	15 Kg.cyl	15 Kg.cyl
01.01.1975	22.10	27.79	27.36	23.91	27.61
01.01.1976	26.75	33.31	32.61	29.36	32.85
01.01.1979	26.94	37.06	34.98	38.90	35.42
17.08.1979	33.96	42.93	40.43	37.32	40.82
08.06.1968	33.96	42.93	40.23	37.81	40.82
13.08.1981	38.94	49.09	45.53	-	46.26
11.07.1981	43.52	54.84	50.78	48.74	53.06
01.04.1982	43.52	54.84	50.78	48.74	53.06
01 09 1982	43.14	51.93	44.58@	47.17	49.41
0104 1983	43.14	51.71	45.09@	47.17	50.41@
01.04.1984	43.14	52.71	45.09@	44.65@	47.72@
01.06.1984	44.41	49.90@	45.47@	44.65@	48.81@
17.03.1985	49.95	56.34@	51.35@	50.74 @	54.89@
01.02.1986	60.28	67.77@	61.79@	61.56@	65.90@
06.02.1986/01.04.1986	56.15	63.20@	57.61@	57.24@	61.56@
01.04.1987	56.15	63.20@	57.61@	57.24@	61.56@
01.04.1988	56.15	63.20@	57.61@	57.24@	61.56@
01.04.1989	56.15	63.20@	57.61@	57.24@	61.56@
o1.04.1990	56.15	63.20@	57.61@	57.44@	61.56@
o1 04 1991	56.15	63.20@	57.61@	57.44@	60.64@
01 04 1992	66.81	77.20@	67.90@	71.06@	71.43@
01.04.1993	81.54	93.81@	82.57@	86.58@	87.01@
01.03.1994	91.94	105.52@	93.07@	97.55@	98.00@
10.04.1995	91.94	105.27@	93.28@	97.55@	98.37@

@ : For 14.2 Kg. Cylinder

RATES OF DEALERS COMMISSION FOR MS, HSDO AND LPG IN INDIA

Effective from	(.....Motor Spirit.....) (Rs./l<l)						(.....High Speed Diesel Oil.....) (Rs./Kl)						LPG (RsJcylinder)		
	Slab of annual volume of sale (KUAnnual)						Slab of annual volume of sales (KUAnnual)								
	Effective from 1.7.1982				Effective from 1.9.19930		Effective from1.7.1982				Effective from 1.9.1993Q			Upto 2500 refillF p.m	Above 2500 reffils p.m.
	0-360	361-600	601-1080	Over 1080	0-600	Above 600	0-360	361-600	601-1080	Over 1080	0-600	Above 600			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1.3.1982	-	-	-	-	-	-	-	-	-	-	-	-	3.62	-	-
1.10.1982	134	98	86	69	-	-	79	58	42	36	-	-	-	-	-
15.2.1983	-	-	-	-	-	-	81	60	43	37	-	-	-	-	-
1.9.1983	135	99	87	70	-	-	-	-	-	-	-	-	-	-	-
17.3.1985	146	108	95	76	-	-	83	62	44	38	--	-	-	-	-
6.2.1986	151	113	99	79	-	-	84	63	45	39	-	-	-	-	-
19.1.1987	-	-	-	-	-	-	-	-	-	-	-	-	5.30	-	-
9.1.1988	164	124	109	87	-	-	-	-	-	-	-	-	-	-	-
21.10.1989	234	165	148	128	-	-	129	87	69	63	-	-	-	-	-
20.3.1990	250	179	160	138	-	-	135	92	72	66	-	-	-	-	-
15.10.1990	279	204	182	155	-	-	145	101	77	70	-	-	-	-	-
17.5.1991	-	-	-	-	-	-	-	-	-	-	-	-	5.70	-	-
25.7.1991	311	233	206	172	-	-	-	-	-	-	-	-	-	-	-
16.9.1992	321	240	214	180	-	-	155	111	83	75	-	-	5.70	-	-
1.4.1993	381	277	248	217	-	-	186	128	101	92	-	-	5.70	-	-
1.9.1993	-	-	-	-	363	224	-	-	-	-	190	90	-	7.30	6.50
2.2.1994	-	-	-	-	374	231	-	-	-	-	195	93	-	7.30	6.50
1.4.1994	-	-	-	-	376	232	-	-	-	-	196	93	-	7.30	6.50

@ : Exclusive of demand draft charges.

Note: The rates of dealership commission fixed at 3 Annas per Imperial Gallon for MS in 1954 and at 1 Anna and 3 Paise per Imperial Gallon for HSDO in 1955 continued upto 30th June 1976. The revised commission rates effective 1.7.1976 were as follows:

Sales per annum (Combined MS/HSDO sales)	MS (Rs./Kl)	HSDO (Rs./Kl)
Upto 360	80	50
361 to 720	35	10
721 and above	25	10

XV EXCISE/CUSTOM DUTIES AND SALESTAX

Realisation of Excise & Custom Duties from Crude Oil & Petroleum Products During 1986-87 to 1993-94, RE for 1994-95 and BE for 1995-96

(Rs. Crores)

Products	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95 (RE)	1995-96 (BE)
	(..... Actuals .....)									
1	2	3	4	5	6	7	8	9	10	
A. Excise Duties										
1. Motor Spirit	814	903	1034	1200	1202	1245	1287	1359	1583	1495
2. Kerosene Oil	233	250	241	268	255	246	239	247	389	387
3. Refined Diesel Oil	596	646	683	731	693	703	743	795	1285	1231
4. Diesel Oil (NOS)	27	28	29	38	35	40	34	61	92	90
5. Furnace Oil	37	34	46	53	49	57	64	72	199	203
6. Pol. Products (NOS)	277	280	314	359	421	433	427	477	591	639
7. Petroleum Gases	50	58	59	65	66	72	79	85	196	139
8. Cess on crude oil	980	1770	2029	2947	2757	2466	2169	2214	2655	3222
Total (A)	**3014**	**3969**	**4435**	**5662**	**5478**	**5262**	**5042**	**5310**	**6990**	**7406**
B. Customs Duties										
1. Crude Petroleum	857	1862	1917	2149	3146	3344	4053	4549	3480	2936
2. Petroleum Products	218	274	396	282	555	731	1227	1988	2144	2843
Total (B)	1075	2136	2313	2431	3701	4075	5280	6537	5624	5779
Grand Total (A + B)	4089	6105	6748	8093	9179	9337	10322	11847	12614	13185

Figures rounded to nearest crores. Source: Budget papers of the Central Govt.

PERCENTAGE SHARE OF CENTRAL EXCISE ON POL TO TOTAL CENTRAL EXCISE AND / TO NET NATIONAL PRODUCT.

Year	Net National Product at factor cost at current Prices	Central Excise	Central Excise on POL	Central Excise as % ot NNP	Central Excise on POL as % of NNP	Central Excise on POL as % of Total Central Excise
	(..... Rs. Crores .....)					
1	2	3	4	5	6	7
1960-61	14160	416	101	3.1	0.8	24.3
1965-66	22107	898	261	4.4	1.3	29.1
1970-71	36362	1759	608	5.1	1.8	34.6
1971-72	38583	2061	708	5.6	1.9	34.4
1972-73	42382	2324	767	5.8	1.9	33.0
1973-74	52241	2602	874	5.2	1.7	33.6
1974-75	61194	3231	1011	5.4	1.7	31.3
1975-76	64531	3845	1040	6.2	1.7	27.1
1976-77	69408	4221	1163	6.3	1.7	27.6
1977-78	79671	4448	1216	5.9	1.5	27.4
1978-79	85255	5194	1359	6.4	1.6	26.2
1979-80	92314	6148	1477	6.9	1.6	24.0
1980-81	110685	6500	1216	5.9	1.1	18.7
1981-82	128797	7421	1405	5.8	1.1	18.9
1982-83	141875	8059	1604	5.7	1.1	19.9
1983-84	166550	10222	2269	6.2	1.4	22.2
1984-85	185018	11151	2449	6.0	1.3	22.0
1985-86	206133	13008	2718	6.3	1.3	20.9
1986-87	228402	14489	3014	6.3	1.3	20.8
1987-88	258891	16347	3969	6.3	1.5	24.3
1988-89	309286	18825	4435	6.1	1.4	23.6
1989-90	357285	22290	5662	6.2	1.6	25.4
1990-91	418074	24451	5478	5.8	1.3	22.4
1991-92	479612	28121	5262	5.9	1.1	18.7
1992-93	545434	30651	5042	5.6	0.9	16.4
1993-94	626957	31872	5310	5.1	0.8	16.7
1994-95	744663	36900	6990	5.0	0.9	18.9

Source: i) Government of India's Economic Survey for N.N.P.

ii) Budget papers of Central Government.

iii) National Accounts Statistics, 1994.

@ - Quick *estimates*

NA : Not available.

COMPOSITE INCIDENCE OF EXCISE AND CUSTOM DUTIES ON PETROLEUM PRODUCTS

Year	Consumption oF POL Products (Excl. R.B.F.) ('000' MTS)	Central Excise Duty realisation (Rs. Crores)	Customs Duties realisation (Rs. Crores)	Total Central Excise & Custom duties (Rs. Crores)	Composite Incidence of Excise & Customs duties (Rs. Crores)
1	2	3	4	5	6
1960-61	7985	101	23	124	155.29
1965-66	11917	261	83	344	288.66
1970-71	17912	608	30	638	356.19
1971-72	20071	709	63	772	384.63
1972-73	21715	767	86	853	392.82
1973-74	22346	874	96	970	434.08
1974-75	22105	1011	96	1106	500.34
1975-76	22447	1040	115	1155	514.55
1976-77	24101	1163	112	1275	529.00
1977 78	25539	1216	127	1343	525.90
1978-79	28241	1359	190	1549	548.50
1979-80	29883	1477	213	1690	565.50
1980-81	30896	1216	354	1570	508.20
1981-82	32523	1405	288	1693	520.60
1982-83	34657	1604	256	1860	536.70
1983-84	35841	2269	219	2488	694.20
1984-85	38795	2449	472	2921	752.90
1985-86	40872	2718	1050	3768	921.90
1986-87	43662	3014	1075	4089	936.50
1987-88	46416	3969	2136	6105	1315.30
1988-89	50092	4435	2313	6748	1347.10
1989-90	54095	5662	2431	8093	1496.10
1990-91	55035	5478	3701	9179	1667.80
1991-92	56974	5262	4075	9337	1638.82
1992-93	58902	5042	5280	10322	1752.40
1993-94	60812	5310	6537	11847	1948.14
1994-95(P)	65487	6990	5624	12614	1926.18

(P)= Provisional

ROYALTY AND OIL DEVELOPMENT CESS PAID BY OIL COMPANIES ON PRODUCTION OF CRUDE OIL AND NATURAL GAS SINCE 1973-74 TO 1994-95

(Rs./Lakhs)

YEAR	ROYALTY PAID ON CRUDE OIL						ROYALTY PAID ON NATURAL GAS					OIL DEVELOPMENT CESS
	Western Region	Eastern Region	Southern Region	Total On Shore	Bombay High/KG Off Shore	Total	Western Shore	Eastern Region	Southern Region	B.High/KG Off-Shore	Total	
1	2	3	4	5	6	7	8	9	10	11	12	13
1973-74	520	548	-	1068	-	1068	26	5	-	-	31	-
1974-75	576	584	-	1160	-	1160	36	8	-	-	44	3081
1975-76	615	645	-	1260	-	1260	43	26	-	-	69	5007
1976-77	1279	1087	-	2366	156	2522	44	59	-	-	103	5289
1977-78	1742	1907	-	3649	1016	4665	102	50	-	-	152	6375
1978-79	1771	1727	-	3498	1349	4847	88	66	-	-	154	6889
1979-80	1566	1771	-	3337	1761	5098	240	65	-	15	320	6970
1980-81	1578	531	-	2109	1997	4106	168	36	-	50	253	6040
1981-82	2075	3155	-	5230	4430	9660	184	69	-	258	511	13897
1982-83	1927	3498	-	5425	7513	12938	32	123	-	593	748	26884
1983-84	2179	3054	-	5233	10306	15538	305	108	-	911	1324	81279
1984-85	7449	9513	-	16962	11931	38893	183	114	-	2109	2406	84434
1985-86	13275	12433	-	25708	12155	37863	242	96	-	1905	2243	86629
1986-87	8590	9395	11	17996	91192	109188	359	95	-	4113	4567	98916
1987-88	9412	9833	26	19271	37724	56995	797	409	-	6594	7800	151331
1988-89	10175	10281	59	20525	39660	60185	1083	405	16	8557	10061	201364
1989-90	11561	13479	397	25437	40118	65555	1194	399	34	10409	12036	291411
1990-91	39424	26074	1291	66789	136037	202826	1283	421	68	12038	13810	278197
1991-92	17723	19385	964	38072	52885	90957	1910	428	216	18859	21413	250077
1992-93	47037	31250	2674	80961	126901	207862	2391	520	720	17229	20860	219198
1993-94	30672	24704	2086	57462	69683	127145	2912	547	862	19585	23906	217536
1994-95*	32041	25660	2245	59946	96157	156103	2975	422	854	18154	22405	264559

Note:
1. Figures for 1984-85 & 1985-86 have undergone revision due to increase in Royalty rate from Rs. 61/-Per metric tonne to 192/- Per metric tonne
2. Figures of Royalty in 1987-88 include payments for 1986-87 and advance payments made for 1988-89. While some payments for 1987-88 has made by ONGC in 1988-89. These figures also include royalty on condensate and NGL.
3. Figures of Crude Oil Royalty for 1990-91 included arrears for the period 1.4.1987 to 31.3.90 arising on account of revision in royalty rate from Rs. 192 to Rs. 314 per M.T. w.e.f. 1.4.87 vide notification dated 18.2.91.
4. The total arrears for the period 1.4.87 to 31.3.91 @ Rs.122 per M.T. amounting to Rs. 985.09 crores have not been paid as the-Govt is contemplating payment by book adjustments out of deposits of OCC in the Public Account of India.
5. Figures of Crude Oil royalty for 1992-93 includes arrears of royalty on Crude Oil for the period 1.4.90 to 31.3.92 arisen consequent upon increase in Crude Oil royalty rate

EXCISE DUTY ELEMENT INCLUDED IN SELLING PRICES OF BULK REFINED PETROLEUM PRODUCTS (EX-STORAGE POINT)

(Rupees/Selling Unit)

PRODUCTS	Selling Unit	w.e.f. 17.8.79	w.e.f. 11.9.79	w.e.f. 8.6.80	w.e.f. 13.1.81	w.e.f. 11.7.81	w.e.f. 15.2.83	w.e.t. 1.4.83	w.e.t. 1.9.83	w.e.f. 1.4.84/ up to 1.3.88/	w.e.f. 1.3.86 up to 25.7.91	w.e.f. 28.2.93	w.e.f. 1.3.94
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1. Av. gas 100/130	KL	2214.89	2214.89	2214.89	2214.89	2214.89	2214.89	2214.89	2214.89	2214.89	2214.89	2437.59	NA
2. Av. gas 115/145	KL	2213.32	2213.32	2213.32	2213.32	2213.32	2213.32	2213.32	2213.32	2213.32	2213.32	2435.85	NA
3. Av. Gas 73	KL	2214.21	2214.21	2214.21	2214.21	2214.21	2214.21	2214.21	2214.21	2214.21	2326.79	2436.84	NA
4. M.S. 87 @@	KL	2215.56	2215.56	2215.56	2215.56	2215.56	2215.56	2215.56	2215.56	2215.56	2327.50	2338.82	2568.87
5. M.S.93	KL	2216.92	2216.92	2216.92	2216.92	2216.92	2216.92	2216.92	2216.92	2216.92	2328.92	2440.31	3068.87
6. A.T.F.	KL	402.56	402.56	333.52@	333.52	333.52	333.52	333.52	333.32	333.52	352.07	369.83	985.23
7. S.K.O.	KL	402.63	333.59	333.59@	333.59	333.59	333.59	333.59	333.59	333.59	330.44	330.44	200.14
8. H.S.D.O.	KL	399.15	330.00	330.00@	330.00	330.00	330.00	330.00	330.00	330.00	347.49	347.74	571.73
9. L.D.O.	KL	153.96	153.96	153.96	153.96	153.96	153.96	153.96	153.96	153.96	160.91	173.02	558.76
10. F.O. (Fert. Use)*	KL	125.82	125.82	125.82	125.82	125.82	125.82	125.82	125.82	125.82	*	*	*
11. FO. (Non-Ferts Use)	KL	125.82	125.82	125.82	125.82	125.82	125.82	125.82	125.82	125.82	150.71	158.38	453.52
12. Bitumen (Bulk)	MT	110.30	110.30	110.30	110.30	110.30	110.30	110.30	110.30	110.30	115.50	175.00	412.50
13. Bitumen' (Packed)	MT	157.55	157.55	157.55	157.55	157.55	157.55	157.55	157.55	157.55	168.00	175.00	478.14
14. LPG/Domes. Packed	MT	262.50	262.50	262.50	262.50	262.50	262.50	262.50	262.50	262.50	273.00	285.0	530.92
15. LPG (Indust) Bulk	MT	262.50	262.50	262.50	262.50	262.50	262.50	262.50	262.50	262.50	273.00	285.0	1160.18
16. Naphtha*- (Fert.Use)	MT	4.50	4.36	4.36	4.36	4.36	-	-	4.40	4.40	4.00	5.50	*
17. Naphtha*- (For Non-Fert. Use)	MT	26.50	26.50	26.50	26.50	26.50	-	-	26.25	26.25	26.25	66.00	*

*Duty at applicable rates will be charged **w.e.f.1.10.1986.

@@MS 83 was replaced by MS 87 w.e.f. 1.9.1983.

@Revision effective from 11.9.1979.

Note: i) No Custom/ Excise Duty is chargeable on FO when used as feed stock, the duty @ Rs. 63.46/KL only is chargeable when used in fertilizer industry for purposes other than feed stock.

ii) we.f. 1.10.1986, the supply of FO/Naphtha to fertilizers units for purposes other than feedstock will be charged at the rate applicable to General Category.

EX-STORAGE POINT CEILING SELLING PRICES OF MAJOR PETROLEUM PRODUCTS AND RATES OF EXCISE DUTY w.e.f. 1.3.1995

(Rs/Selling Unit)

PRODUCTS	Selling unit	Ex-storage prices Without Excise duty	Rate of duty %	Ex-storage prices inclusive of excise duty
1	2	3	4	5
MS-87	KL	12844.34	20%	15413.21
MS-93	KL	15344.34	20%	18413.21
MS-80	KL	12873.49	20%	15448.19
HS DO	KL	5717.28	10%	6289.01
LSHF (HSD) Bulk	KL	5717.28	10%	6289.01
LSHF (HSD) other	KL	8507.16	10%	9357.88
SKO other than Ind.	KL	2001.40	10%	2201.54
SKO- Industrial	KL	5014.33	10%	5515.76
LDO	KL	5587.55	10%	6146.31
ATF-other than Int	KL	9852.33	10%	10837.56
Naphtha-fert $	MT	3722.78	$	3772.78$
Naphtha-other $	MT	6075.69	$	6075.69$
Fo-fert $	KL	2812.43	$	2812.43$
Fo-others	KL	4535.20	10%	4988.72
LSHS-Fert $	MT	2851.57	$	2851.57$
LSHS-others $	MT	4804.07	$	4804.07 $
LPG-Packed (Domestic)	MT	5309.19	10%	5840.11
LPG-Packed (Non-Domestic Essential)	MT	11443.43	10%	12587.77
LPG-Packed (Non-Domestic Non-Essential)	MT	12881.28	10%	14169.41
LPG-Bulk (Essential)	MT	10164.28	10%	11180.71
LPG-Bulk (Non-Essential)	MT	11601.78	10%	12761.96
Bitumen-Bulk	MT	4125.02	10%	4537.52
Bitumen-Packed	MT	4781.35	10%	5259.49
Match Wax	MT	12157.47	10%	13373.22
Paraffin Wax Ist Quality	MT	15408.01	10%	16948.81
Paraffin Wax-P1grade	MT	15531.70	10%	17054.87

$- Prices shown against these items are exclusive of duty chargeable extra (applicable as per end use)

SALESTAX RATES APPLICABLE ON CRUDE OIL, NATURAL GAS AND PETROLEUM PRODUCTS AS ON 1.4.1995

S.No. PRODUCTS	Andhra ** Pradesh	Arunachal Pradesh	Assam	Bihar	Goa	Gujarat	Harayana
	1	2	3	4	5	6	7
A. CRUDE OIL & GAS							
1. Crude Oil	4.00%	NoTax	4%	4%		4%	4%
2. Natural Gas	16%	NoTax	12%	--	7%	19%	8%
B. PETROLEUM PRODUCTS							
3. Aviation Spirit	30.55%	NoTax	25%	25%	20%	30% Bonded & duty paid 23%	6%
4. AviationTurbine Fuel	30.55%	NoTax	25%	25%	20%	30% Bonded & duty paid 9%	6%
5. Motor Spirit	30.55%	do	17%	9%	17%	20%	6%
6. H.S.D.	19.33%	do	16%	14%	17%	18%	6%
7. L.D.O.	19.33%	do	16%	14%	17%	8%	8%
8. M.L.O.	19.33%	do	10%	9%	7%	12%	8%
9.S.K.O.	8%	do	2%	6%	Exempt	Exempt	8%
10.I.K.O.	-	do	-	5%		@	
11. F.O.	8%	do	8%	8%	17%	12%	8%
12. M.T.O.	8%	do	10%	9%	7%	12%	8%
13. Lubes	16%	do	12%	9%	8%	14%	8%
14. Greases	16%	do	12%	9%	8%	14%	8%
15. Petroleum Naphtha	16%	do	10%	9%	17%	18%	8%
16. Bitumen/Asphalt	16%	do	10%	9%	7%	12%	8%
17. Petroleum Coke	4.00%	do	4%	4%	4%	4%	4%
18. Indane (LPG)	16%	do	12%	9%	Exempt	17%	8%
19. Transformer Oil	10%	do	10%	9%	7%	12%	8%
20. H.B. Fluid	16%	do	10%	-	7%	14%	8%
21. L.S.H.S.	8%	do	10%	9%	17%	15%	8%

**These rates are inclusive of other levies recoverable from the customers as shown at the end of table.
@ : Kerosene for others use @ 8%

SALESTAX RATES APPLICABLE ON CRUDE OIL, NATURAL GAS AND PETROLEUM PRODUCTS AS ON 1.4.1995

S.No. PRODUCTS	Himachal Pradesh	J&K	Karnataka	Kerala	Madhya Pradesh	Maharashtra	Manipur
	8	9	10	11	12	13	14
A.CRUDEOIL&GAS							
1. Crude Oil	4%	4%	4%	4%	4%	4%	4%
2. Natural Gas	8%	8%	8%	10%	4%	10%	—
B.PETROLEUM PRODUCTS							
3. Aviation Spirit	6%	8%	22%	15%	15%	Bonded 20% Duty paid 9%	10%
4. Aviation Turbine Fuel	6%	8%	22%	15%	15%	Bonded 30% Duty paid 24%	10%
5. Motor Spirit	6%	4%	22%	20%	20%	21%	15%
6. H.S.D.O.	6%	8%	20%	17%	20%	21 %	7%
7. L.D.O.	8%	8%	20%	25%	15%	8%	7%
8. M.L.O.	8%	8%	12%	12.5%	6%	8%	—
9. S.K.O.	8%	Exempted	4%(PDS)	5%	2%	Exempted	3%
10.1.K.O.	-	do	4%	-	2%	do	
11. F.O.	8%	8%	15%	12.5%	4%	8%	7%
12, M.T.O.	8%	8%	12%	12.5%	6%	8%	NA
13. Lubes	8%	8%	15%	15%	15%	8%	10%
14. Greases	8%	8%	15%	15%	15%	8%	4%
15. Petroleum Naphtha	8%	8%	12%	7%	6%	10%	7%
16. Bitumen/Asphalt	8%	8%	12%	12.5%	6%	8%	7%
17. Petroleum Ceke	4%	4%	4%	4%	4%	4%	4%
18. Indane LPG	8%	8%	15%	20%	15%	4%< 8%	7%
19. Transformer Oil	8%	8%	13%	8%	12%	8%	—
20. H.B. Fluid	8%	8%	12%	15%	15%	10%	—
21. L.S.H.S	8%	8%	12%	12.5%	6%	8%	—

<3 Only for LP.G. in Cylinders below 15 kgs.
For LP.G. in Cviinders above 15kg Rate of Sales tax is 8%.

SALESTAX RATES APPLICABLE ON CRUDE OIL, NATURAL GAS AND PETROLEUM PRODUCTS AS ON 1.4.1995

S.No. PRODUCTS	Meghalaya Rs. KL	Mizoram	Nagaland	Orissa	Punjab	Rajasthan	Tamil Nadu
	15	16	17	18	19	20	21
A. **CRUDE OIL & GAS**							
1.Crude Oil	-	-	3%	4%	4%	4%	4%
2. Natural Gas	-	-	-	-	8%	10%	12%
B. **PETROLEUM PRODUCTS**							
3. Aviation Spirit	-	-	12%	16%	8%	20%	20%
4. Aviation Turbine Fuel	-	-	12%	12%	8%	20%	20%
5. Motor Sprit	340+ 6.80 S/C	8%	5%	16%	7%	20%	20%
6. H.S.D.O.	150+ 3.00 S/C	5%	3.25%	16%	4%	16%	16%
7. L.D.O.	150+ 3.00 S/C	5%	3.25%	16%	8%	16%	16%
8. M.L.O.	-	-	-	12%	8%	10%	12%
9. S.K.O.	30	-	1.15%	4%	8%	10%	3%
10.1.K.O.	-	-		4%	8%	10%	3%
11. F.O.	-	-	-	12%	8%	10%	12%
12. M.T.O.	-	-	-	12%	8%	10%	12%
13. Lubes	150+ 3.00 S/C	8%	5%	16%	8%	10%	12%
14. Greases	110*+ 2.20S/C	-	5%	16%	8%	10%	12%
15. Petroleum Naphtha	-	-	-	12%	8%	2%	12%
16. Bitumen	-	-	-	12%	8%	10%	8%
17. Petroleum Coke	-	-	-	4%	4%	4%	3%
18. Indane (LPG)	10%+ 2% S/C	10%	6%	12%	8%	10%	8%
19. Transformer Oil	-	-	-	12%	8%	10%	8%
20. H.B. Fluid	-	-	-	-	8%	10%	8%
21. L.S.H.S.	-	-	-	-	8%	10%	12%

SALESTAX RATES APPLICABLE ON CRUDE OIL, NATURAL GAS AND PETROLEUM PRODUCTS AS ON 1.4.1995

S.No. Products	Tripura	Uttar** Pradesh	West Bengal	Chandigarh	Delhi
	22	23	24	25	26
A. CRUDE OIL & GAS					
1. Crude Oil	4%	4%	4%	4%	4%
2. Natural Gas		10%	-	7%	7%
B. PETROLEUM PRODUCTS					
3. Aviation Spirit	12%	14%	9%	15 PPL	7%
4. Aviation Turbine Fuel	25%	14%	25%	15 PPL	7%
5. Motor Sprit	8%	14%	9.9%	15 PPL	7%
6. H.S.D.	5%	16%	12%	10 PPL	8%
7. L.D.O.	5%	16%	12%	7%	8%
8. M.L.O.	-	10%	10%	7%	7%
9. S.K.O.	5%	10%	5%	7%	3%
10. I.K.O.	-	-	-	-	-
11. F.O.	5%	7.5%	12%	7%	7%
12. M.T.O.	-	15%	10%	7%	10%
13. Lubes	12%	10%	15%	7%	8%
14. Greases	12%	10%	15%	7%	8%
15. Petroleum Naphtha		15%	10%	7%	7%
16. Bitumen		10%	10%	7%	7%
17. Petroleum Coke	-	4%	4%	4%	4%
18. LPG	12%	10%	15%	7%	5%
19. Transformer Oil	-	10%	10%	7%	7%
20. H.B. Fluid		11%	15%	7%	7%
21. L.S.H.S.	-	7.5%	10%	7%	7%

Note: 1. PPL means Paise per litre.
2. Wherever (-) is shown aqainst any of the product rates, same indicates Sales Tax rate not available.

IN ADDITION TO THE SALES TAX PAYABLE, THE FOLLOWING TAX ARE ALSO PAYABLE/RECOVERABLE AS ON 1.4.95

	STATES	RATES
1.	Bihar	1. 1% Addl. Tax on gross turnover is payable. (Not applicable on MS, HSD, LDO, SKO, furnace Oil, Av. Gas/ATF and Declared goods). This is recoverable from customers. 2. 10% Surcharge on Sales Tax is payable, but not recoverable from the customers.
2.	Chandigarh	Surcharge @ 2% on Sales Tax is payable on all the products but except on MS, AV. Gas, ATF and HSD. This is recoverable from the customers.
3.	Goa	Addl. Sales Tax @ the following rates on Sales Tax not on delcared goods is payable but the same is not recoverable from the customers. a) On gross Turnover above Rs. 20 lacs, but less than Rs. 40 lacs 10% b) On gross Turnover above Rs. 40 lacs 15%
4.	Gujarat	1. Additional Tax : @ 20% on tax on (MST products) i.e. MS, HSD, Av. Spirit, ATF. This is recoverable from the customers. 2. Turnover Tax: at the following rate is payable on all the products, but not recoverable from the customers. a) Upto taxable turnover of Rs. 50 lacs — Nil b) On taxable turnover exceeding Rs. 50 lacs but less than Rs. 2 crores. — @ 1% of taxable turnover in excess of Rs. 50 lacs. c) On taxable turnover between Rs. 2 crores and Rs. 4 crores. — Rs. 1.5 lacs plus @ 1.25% of taxable turnover in excess of Rs. 2 crores. d) On taxable turnover between Rs. 4 crores and Rs. 8 crores. — Rs. 4 lacs plus @ 1.5% of taxable turnover in exces of Rs. 4 crores. e) On taxable turnover above Rs. 8 crores. — Rs. 10 lacs plus @ 2% of taxable turnover in excess of Rs. 8 crores.
5.	Haryana	Surcharge @ 10% on Sales Tax on all products. This is recoverable from the customers.

Contd.

IN ADDITION TO THE SALES TAX PAYABLE, THE FOLLOWING TAX ARE ALSO PAYABLE/RECOVERABLE AS ON 1.4.95

	STATES	RATES
6.	J & K	Surcharge @ 5% of Sales Tax is payable. This does not apply to products falling under Motor Spirit Tax Act (i.e. MS, HSD). This is recoverable from the customers.
7.	Karnataka	1. Surcharge : @ 15% on S. Tax on FO, ATF, Av. Gas, Transformer oils and coolants is payable. This is recoverable from the customers. 2. CESS a) @ 5% on Sales Tax on all products except Petrol & Diesel. b) @ 25 paise per litre on Petrol. c) @ 10 paise per litre on Diesel. This CESS is payable only by those dealers who are having place of business within Bangalore City Planning area, irrespective of place (in Karnataka) from where sales are effected). This is recoverable from the customers. 3. Turnover tax at the following rate is payable, but not recovered from the customers. a) Between Rs. 10 & 200 lacs 1.25% b) Between Rs. 200 & above lacs 1.75% c) above Rs. 500 lacs 2.75%
8.	Kerala	1) Surcharge @ 10% of Sales Tax is payable. This is not recoverable from the customers. 2) 4% Turnover Tax is payable. This is not recoverable from the customers.
9.	Maharashtra	1. Addl. Sales Tax @ 15% on Tax (before deducting draw back set off) is payable by dealer when his tunover exceeds Rs. 10 lakhs except Kerosene, Crude oil, ATF/Av. Spirit, MS and HSD but not payable on Turnover tax. This is not recoverable from the customers. 2. Turnover Tax: at the following rate is payable but not recover/able from the customers. i) @ 1.25% on Turnover between Rs. 12 lacs and Rs. 1 crores. ii) @ 1.5% on turnover above Rs. 1 crore.
10.	Orissa	Surcharge @ 10% on Sales Tax is payable, but the same is not recoverable from the customers.
11.	Punjab	Additional tax/surcharge @ 10% of the Sales Tax on all products except MS, Avn. Spirit & HSD is payable. This is recoverable from the customers.

Contd.

IN ADDITION TO THE SALES TAX PAYABLE, THE FOLLOWING TAX ARE ALSO PAYABLE/RECOVERABLE AS ON 1.4.95

	STATES	RATES
12.	Tamil Nadu	1. Surcharge: @ 15% Sales Tax is payable on all products. This is recoverable from the customers. 2. Addl. Surcharge: @ 5% on Tax on the sale of products in Municipal Corporation of Madras city and within 32 KMs from outer perepheral limits of Municipal Corporation of Madras. This is recoverable from the customers. 3. Additional Tax: at the following rate is payable on the taxable turnover. This is not recoverable from the customers. a) below Rs. 10 lacs — Nil b) between Rs. 40 lacs & 1.0 crs. — 1.25% c) between Rs. 1.0 crs. & 5 crs. — 1.5% d) between Rs. 5 crs & 10 crs. — 2% e) between Rs. 10 crs & 300 crs. — 2.25% f) above Rs. 300 crs. — 3%
13.	Tripura	Additional tax @ 0.50% on taxable turnover is payable. This is not recoverable from the customers.
14.	Uttar Pradesh	Additional tax @ 25% on sales tax is payable. This is included in the billable rates shown in Rate Chart. (Not applicable on MS, Av. Gas, ATF, LDO, HSD & Crude Oil.) This is recoverable from the customers.
15.	West Bengal	1. Turnover Tax @ 2% on gross turnover on products other than Av. Gas, Av. Spirit, ATF, HSD, LDO, MS, SKO & FO is payable. This is recoverable from the customers. 2. Turnover Tax @ 2.5% on gross turnover on products Av. Gas, Av. Spirit, ATF, HSD, LDO, MS, SKO & FO is payable, but the same is not recoverable from the customers. 3. Surcharge @ 15% on S. tax is payable on ATF, Av. Gas, MS, & FO) and not on HSD, LDO, SKO. This is recoverable from the customers.

SALES TAX PAYMENTS (INCLUSIVE OF MST AND CST) ON CRUDE OIL CONDENSATES, NATURAL GAS & PETROLEUM PRODUCTS MADE BY THE OIL COMPANIES TO STATE/UNION TERRITORY GOVERNMENTS DURING THE YEARS 1986-87 TO 1994-95

(Rs. in lakhs)

STATE/UTs.	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95
1	2	3	4	5	6	7	8	9	10
1. Crude Oil									
Assam	3456	3407	3537	4290	4611	4428	5017	6205	6122
Gujarat	2965	3334	3627	4731	6195	5038	6542	7349	7675
Arunachal Pradesh	40	21	22	30	32	43	50	69	41
Nagaland	54	45	71	83	87	48	65	72	14
Maharashtra*	9220	10924	6835	7428	15500	13950	16368	15207	21312
Tamil Nadu	3	9	20	152	257	257	365	464	492
Total (1)	**15738**	**17741**	**14112**	**16714**	26682	**23764**	**28407**	**29366**	**35656**
2. Natural Gas									
Assam	48	366	326	422	429	417	520	497	580
Gujarat	347	4052	7280	11199	9952	13136	17205	8701	5931
Maharashtrav (Bombay High)	4046	4537	4319	6204	5628	5361	6505	6602	8775
Arunachal Pradesh	-	Neg.	17	48	82	-	-	-	-
Tamil Nadu	-	Neg.	3	6	17	18	38	40	28
Tripura	3	15	18	17	53	59	93	82	78
Andhra Pradesh	-	-	-	-	-	317	1097	1368	1374
Total (2)	**4444**	**8970**	**11963**	**17895**	**16161**	**19308**	**25458**	**17290**	**16767**
3. POL Products									
(a) States									
Andhra Pradesh	12764	13597	14883	22318	25062	37812	41956	51981	61688
Assam	2463	3350	3519	4509	3654	5228	5292	5581	7030
Bihar	7936	7328	8334	10326	11239	16122	18258	19966	22818
Gujarat	19045	21030	26328	34430	39456	54531	62218	71876	88738
Haryana	2341	2251	2557	3764	4584	6123	6874	8339	9488
Himachal Pradesh	341	179	186	181	261	303	418	489	496
Jammu & Kashmir	571	542	570	686	759	1065	1261	1564	1742
Karnataka	12311	11439	12256	16748	21801	30930	35426	44452	49346
Kerala	13543	11642	14304	8617	27512	30518	39708	41540	45693
Madhya Pradesh	6468	5488	7040	10160	13168	18784	20824	24364	31365
Maharashtra	24447	20556	24245	37124	52978	72518	83192	92755	116384
Manipur	81	163	179	183	164	277	338	452	463
Meghalaya	Neg.	1	1	1	1	1	1	1	6
Mizoram	1	15	18	20	19	39	95	108	113
Nagaland	1	13	37	68	69	59	60	99	147
Orissa	2032	1559	1931	2915	3958	5540	6553	8272	10003
Punjab	3410	3474	3615	5152	6326	8059	9221	10487	10834
Rajasthan	6332	5624	7592	11681	13508	17136	22033	24963	30236
Tamil Nadu	21818	19083	21673	31130	39450	51775	61016	73144	80939
Tripura	115	203	256	287	264	293	336	321	354
Uttar Pradesh	15269	16334	17680	22682	28995	36339	40387	46152	55540
West Bengal	11322	10447	11524	16624	18991	23671	29452	34294	39183
Goa	1717	1568	1373	2005	2367	3502	4994	6746	8023
Sikkim	-	-	-	-	-	-	-	37	57
(b) Union Territories									
Daman	-	-	-	-	-	-	-	-	13
Chandigarh	39	41	67	61	61	62	79	106	130
Delhi	4259	4420	4497	6160	7829	8914	10194	12667	15248
Pondicherry/ Mane	-	17	20	-	2	39	6	16	105
Total (3)	**168626**	**160364**	**184685**	**247832**	**322478**	**429440**	**500192**	**580772**	**686182**
Grand Total	**188808**	**187075**	**210760**	**282441**	**365321**	**472712**	**554057**	**627428**	**738605**

*= Central Govt.

Source: Compiled from Receipts of Individual companies.

(xvi)TRANSPORTATION

Tonnage of Indian Tankers Fleet

(DWT in '000 Mts.)

YEAR	COASTAL OILTANKER				TOTAL COASTAL OILTANKER		OFFSHORE SUPPLY VESELS		SPECIALISED VESSELS FOR OFFSHORE		TOTAL OFFSHORE SUPPLY VESSELS& SPECIALISED VESSELS FOR OFFSHORE		OVERSEAS								OVERSEAS (TOTAL)		TOTALALL TANKER	
	PRODUCT CARRIERS		CRUDE OIL CARRIERS										ORE OIL BULK		CRUDE OIL CARRIERS		PRODUCT CARRIERS		LPG CARRIERS					
	No. of Tanker	DWT	No. of Tanker	DWT	No. of Tanker	DWT	No. of Tanker	DWT	No. of Tanker	DWT	No. of Tanker	DWT	No. of Tanker	DWT	No. of Tanker	DWT	No. of Tanker	DWT	No. of Tanker	DWT	No. of Tanker	DWT	No. of Tanker	DWT
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
1975	-	-	-	-	9	137.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31	2420.0	40	2557.6
1976	-	-	-	-	9	137.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36	3078.0	45	3215.6
1977	-	-	-	-	9	137.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37	3108.9	46	3246.1
1978	-	-	-	-	8	126.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40	3444.5	48	3571.3
1979	-	-	-	-	9	132.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39	3424.0	48	3556.9
1980	-	-	-	-	10	158.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38	3335.3	48	3493.8
1981	-	-	-	-	16	247.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39	3364.0	55	3611.7
1982	-	-	-	-	18	300.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42	3518.8	60	3819.4
1983	-	-	-	-	18	300.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41	3482.1	59	3782.7
1984	-	-	-	-	18	300.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49	3976.6	67	4277.2
1985	-	-	-	-	18	300.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48	3807.0	66	4113.1
1986	-	-	-	-	18	306.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48	3592.9	66	3899.0
1987	-	-	-	-	18	306.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48	3592.9	66	3899.0
1988	-	-	-	-	18	306.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51	3557.6	69	3863.7
1989**	13	185.6	2	82.3	15	267.9	57	73.1	25	49.7	82	122.8	9	988.9	22	2121.2	25	575.5	-	-	56	3685.6	153	4076.3
1990	13	185.6	2	82.2	15	267.8	57	69.7	30	70.5	87	140.2	9	990.5	22	2121.2	25	601.5	-	-	56	3713.2	158	4121.2
1991	14	186.1	2	82.2	16	268.3	63	75.9	31	70.7	94	146.6	9	990.5	23	2206.4	25	601.5	1	17.0	58	3815.4	168	4230.3
1992	15	217.0	2	82.2	17	299.2	63	75.9	32	70.8	95	146.7	8	889.0	23	2206.4	25	601.4	2	34.7	58	3731.5	170	4177.4
1993	11	144.9	2	82.2	13	227.1	67	84.9	33	61.9	100	146.8	3	312.0	25	2441.0	34	1065.6	2	34.7	64	3853.3	177	4227.2
1994	11	144.9	2	82.2	13	227.1	73	91.9	27	61.2	100	153.1	3	312.0	29	3052.0	31	839.9	2	34.7	65	4238.6	178	4618.8
1995	12	145.5	2	82.2	14	227.7	74	91.9	27	62.8	101	154.7	3	312.0	32	3475.0	31	833.2	2	34.7	68	4654.9	183	5037.3

* : As on 31st December of each year.

** : As on 31st March of each year from 1989 onwards.

Source: Directorate General Shipping, Bombay

INDIAN TONNAGE AS ON 31.3.1995

Owner/Name of the Ship	Year of Built	G.R.T. (Tonnes)	D.W.T. (Tonnes)
1	2	3	4
COASTAL TRADE			
TANKERS (Product Carriers)			
A. The Shipping Corpn. of India Ltd., Bombay			
1. m.t. Visveswaraya	1973	11094	16450
2. m.t. Bhagat Singh	1974	10759	16540
3. m.t. Sarojini Naidu	1974	10759	16440
4. m.t. Rafi Ahmed Kidwai	1975	15035	24439
5. m.t. Jai Narayan Vyas	1975	15035	24529
		62682	**98398**
B. M/s ILFS			
6. m.t. Vayudoot	1980	3924	7012
C. M/s. Essar Shipping Ltd., Bombay			
7. m.t. Nand Prakriti	1975	18307	30465
D. M/s. Sagar Lines (India) Pvt. Ltd., Calcutta			
8. m.t. Sagar Tarani	1965	497	712
E. M/s. Seatrans Shipping Co. Ltd., Bombay			
9. m.t. Raj Sevak	1966	750	1200
F. The Shipping Credit & Investment Co. of India Ltd., Bombay			
10. m.t. Nand Smiti	1982	4275	6600
G. M/s Jaisu Shiping (P) Ltd.			
11. m.t. Al-Nions	1976	298	508
H. M/s Mercater Lines			
12. m.t. Mindoro	1968	289	555
Total 12 Vessels		**91022**	**145450**
TANKERS (Crude Oil Carriers)			
A. The Shipping Corpn. ot India Ltd. Bombay			
1. m.t. C.V. Raman	1981	25040	41123
2. m.t. Homi Bhabha	1982	25040	41126
Total 2 Vessels		**50080**	**82249**

Contd...

INDIAN TONNAGE AS ON 31.3.1995

Owner/Name of the Ship	Year of Built	G.R.T. (Tonnes)	D.W.T. (Tonnes)	
1	2	3	4	
	OFFSHORE SUPPLY VESSELS			
A. M/s. Garware Shipping Corpn. Ltd., Bombay				
1. m.v. Garware-I	1983	881	1050	
2. m.v. Garware-II	1983	881	1050	
3. m.v. Garware-Iil	1984	881	1050	
4. m.v. Garware-IV	1984	881	1050	
S. m.v. Garware-V	1984	881	1050	
		4405	5250	
B. The Great Eastern Shipping Co. Ltd., Bombay				
6. m.v. Malaviya One	1983	869	1073	
7. m.v. Malaviya two	1983	870	1084	
8. m.v. Malaviya Three	1984	1084	1251	
9. m.vt Malaviya Four	1984	1085	1242	
10. m.v. Malaviya Five	1980	650	993	
11. m.v. Malaviya Six	1981	650	993	
12. m.v.Malaviya Seven	1982	985	1035	
13. m.v. Malaviya Eight	1982	985	1035	
14. m.v. Malaviya Nine	1983	1351	1517	
		8529	**10223**	
C. M/s. Essar Shipping Ltd., Bombay				
15. m.v. Nand Godavari	1984	1313	1751	
16. m.v. Nand Panna	1984	1313	1751	
17. m.v. Nand Krishna	1984	1313	1751	
18. m.v. Nand Heera	1984	1313	1751	
		5252	**7004**	
D. M/s India Securities Ltd., Madras				
19. m.v. Nand Cauvery -	1984	1299	1868	
E. M/s. VNS Offshore Services Company, Bombay				
20.m.v. Kansi Namrata -	1969	487	737	
F. M/s. Hede Ferromina Pvt. Ltd., Goa.				
21. m.v. Ferromina Harvest	1971	629	759	
G. M/s. Varun Shipping Co. Ltd., Bombay.				
22. m.v. Neel Kamal	1983	999	1084	
23. m.v. Neel Akash	1984	999	1086	
24. m.v. Neel Nidhi	1983	1577	1085	
25. m.v. Neel Jalini	1983		1577	1085
		5152	**4340**	**4340**

Contd...

INDIAN TONNAGE AS ON 31.3.1995

Owner/Name of the Ship	Year of Built	G.R.T. (Tonnes)	D.W.T. (Tonnes)
1	2	3	4
H. The Shipping Corpn. of India. Ltd., Bombay.			
26. m.v. Feroze Gandhi	1984	1310	1758
27. m.v. OP. Srivastava	1984	1310	1758
28. m.v. SCI-01	1984	1310	1775
29. m.v. SCI-02	1984	1310	1776
30. m.v. SCI-03	1984	1310	1771
31. m.v. SCI-04	1984	1310	1812
32. m.v. SCI-05'	1984	1310	1819
33. m.v. SCI-06	1984	1310	1817
34. m.v. Capt. F.M, . Juvale	1985	1310	1809
35 m.v. Dr. Nagendra Singh	1985	1310	1817
		13100	**17912**
I. Oil & Natural Gas Commission, Bombay.			
36. m.v. Sindhu-01	1984	1310	1450
37. m.v. Sindhu-02	1985	1310	1450
38. m.v. Sindhu-03	1985	1310	1450
'39. m.v. Sindhu-04	1986	1310	1450
40. m.v. Sindhu-05	1985	1302	1450
41. m.v. Sindhu-06	1985	1302	1450
42. m.v. Sindhu-07	1985'	1302	1450
43. m.v. Sindhu-08	1985	1302	1450
44. m.v. Sindhu-09	1985	1302	1450
45. m.v. Sindhu-10	1985'	1302	1450
46. m.v. Sindhu-11	1985	1302	1450
47. m.v. Sindhu-12	1985	1302	1450
48. m.v. Sindbu-14	1987	1310	1450
49. m.v. Sindhu-15	1992	1323	1450
50. m.v. Sindhu-16	1993	1323	1450
51. m.v. Sindhu- 17	1993	1323	1450
52. m.v. Samudrika-01	1986	949	950
53. m.v. Samudrika-02	1986	949	950
54. m.v. Samudrika-03	1986	949	950
55. m.v. Samudrika-04	1985'	949	950
56. m.v. Samudrika-05	1986	949	950
57. m.v. Samudrika-06	1986	949	950
58. m.v. Samudrika-07	1987	949	950
59. m.v. Samudrika-08	1986	949	950
60. m.v. Samudrika-09	1986	949	950
61. m.v. Samudrika-10	1986	949	950
62. m.v. Samudrika-11	1986	949	950
63. m.v. Samudrika-12	1986	949	950
64. m.v. Samudrika-14	1986	949	950
65. m.v. Samudrika-15	1985	949	950
66. m.v. Samudrika-16	1985	949	950
67. m.v. Samudrika-17	1985	949	950
68. m.v. Samudrika-18	1985	949	950
69. m.v. Sagarika-01	1976	671	933
70. m.v. Sagarika-02	1976	671	933
		38410	**41216**
J. M/s Mazgaon Dock Ltd.			
71. m.v. Suvidha	1983	1310	1585'
72. m.v. Mahavir	1975	11443	—
		12753	**1585**
K. Admn. of Union Territory of Lakshadweep			
73. m.v.Thinnakara	1993	738	960
L. GAL Offshore Shipping Co.			
74. Gal Amber Sea	1975	640	—
Total 74 Vessels		**91394**	**91854**

Contd...

INDIAN TONNAGE AS ON 31.3.1995

Owner/Name of the Ship	Year of Built	G.R.T. (Tonnes)	D.W.T. (Tonnes)
1	2	3	4
SPECIALISED VESSELS FOR OFFSHORE SERVICES			
A. M/s Infrastructure Leasing and Financial Services Ltd., Bombay			
1. m.v. Nand Rachit (DSV) ,	1980	1548	1200
B. M/s Essar Shipping Ltd.– Bombay			
2. m.v. Essar Discoverer '	1977	5971	5300
3. m.v. Essar Stena-I	1981	4485	2970
		10456	**8270**
C. M/s Pearless Private Ltd.,			
4. m.v. Nand Shamik (MSV)	1982	3964	1430
5. m.v. Nand Rewant (MSV)	1984	3966	2067
		7930	**3497**
D. M/s. Underwater Services Co. Pvt. Ltd. Bombay.			
6. m.v. Ocean Pearl (SRSM)	1966	482	670
E. M/s. Oil & Natural Gas Commission, Bombay.			
7. m.v. Samudra Nidhi (MSV)	1985	2995	2189
8. m v. Samudra Sarvekshak (NDT)	1986	4018	2124
9. m.v. Samudra Prabha (NDT)	1986	4018	2124
10. m.v.Samudra Sanchani (Research)	1986	1500	2145
11. m.v. Anweshak	1974	715	1469
12. m.v. Sagar Vijay (Drillship)	1985	11103	9239
13. m.v. Samudra Suraksha	1982	5006	4348
14. m.v. Sagar Bhushan	1987	11103	9239
15. m.v. Sagarika-IV	1983	4207	1096
16. m.v. Sagar Samrat	1973	4186	6398
		48851	**40371**
F. M/s. Bombay Offshore Supplies & Services Bombay.			
17. m.v. Boss-1 (AHT)	1982	491	407
G. M/s. South India Corpn. (Agencies) Ltd., Madras			
18 m.v Sagar Sevak	1972	490	860
H. M/s Jaisu Shipping Co. (P) Ltd.			
19. m.v. Noorani Sea Horse	1970	99	99
20. m.v. Sagar Deep	1983	2755	1568
21. m.v. Paradeep	1984	602	162
		3456	**1829**

Contd.....

INDIAN TONNAGE AS ON 31.3.1995

Owner/Name of the Ship	Year of Built	G.R.T. (Tonnes)	D.W.T. (Tonnes)
1	2	3	4
I.The Geological Survey of India.			
22. m.v. Samudra Manthan (S. Research)	1985	2374	1825
23. m.v. Samudra Kaustubh	1985	284	94
24. m.v. Samudra Saudhikama	1985	284	94
		2942	**2013**
J.The Council of Scientific & Industrial Research			
25. m.v. Gaveshani	1964	1634	873
26. m.v. Sagar Sampada	1984	2661	800
		4295	**1673**
K. M/s. Pearless Drive			
27. DSV Drive Ocean	1983	2248	2001
Total 27Vessels		**83189**	**62791**
	OVERSEAS		
	ORE OIL BULK CARRIERS		
A. The Shipping Corpn. of India Ltd., Bombay.			
1. m.v. Maharshi Dayanand	1978	66644	123450
2. m.v Maharshi Karve	1978	66644	123450
		133288	**246900**
B. M/s Essar Shipping Ltd., Bombay			
3. m.v. Nand Shivchand	1982	37813	65075
Total 3 Vessels		171101	311975

Contd.....

INDIAN TONNAGE AS ON 31.3.1995

Owner/Name of the Ship	Year of Built	G.R.T. (Tonnes)	D.W.T. (Tonnes)
1	2	3	4
OILTANKERS (CRUDE CARRIERS)			
A. The Shipping Corpn. of India Ltd., Bombay			
1. m.t. Subedar Joginder Singh PVC	1984	37885	67137
2. m.t. Major Dhan Singh Thapa PVC	1984	37885	67153
3. m.t. Naik Jadunath Singh PVC	1984	37855	67169
4. m.t. Company Havildar Major Piru S. PVC	1984	37855	67161
5. m.t. Capt. Gurbachan Singh Salaria PVC	1984	37855	67161
6. m.t. Lance Naik Karam Singh PVC	1984	37855	67185
7. m.t. Major Saitan Singh PVC	1985	37855	67185
8. m.t. Major Somnath Sharma PVC	1984	37855	67225
9. m.t. Havildar Abdul Hamid PVC	1985	37855	67185
10. m.t. Col. Ardshir Burzorji Tarapore, PVC	1985	37855	67124
11. m.t. Lt. Rama Raghoba Rane, PVC	1984	37855	67227
12. m.t. Vivekananda	1974	47690	89371
13. m.t. Satyamurthi Chawra	1975	47690	89351
14. m.t. Netaji Subhas Bose	1973	47690	89392
15. m.t. Lok Manya Tilak	1975	47690	89411
16. m.t. B.R.Ambedkar	1974	47690	89454
17. m.t. Chattrapati Shivaji	1974	47690	89490
18. m.t. Rajendra Prasad	1975	63460	115723
19. m.t. Kanchanjunga	1975	131915	276755
20. m.t. Koyali	1976	131915	276800
21.m.t. Motilal Nehru	1990	51778	85200
22. m.t. Jawaharlal Nehru	1990	51747	85422
23. m.t. Ankleswar	1994	80130	140000
24. m.t. Gandhar	1994	80130	140000
25. m.t. Maharaja Agrasen	1995	80130	140000
		1373810	**2535281**
B. M/s. Ratnakar Shipping Co. Ltd., Calcutta.			
26. m.t. Ratna Abha	1982	40614	60300
C. M/s Great Eastern Shipping co.			
2Z. m.t. Jag Laxmi	1976	66723	122146
28. m.t. Jag Ladki	1992	78710	145242
		145433	**267388**
D. M/s Essar Shipping Ltd., Bombay			
29 m.t. Shravan	1991	79718	153000
30. m.t. Kamlesh	1991	79718	153000
31. m.t. Nand Ishwari	1991	79718	153000
32. m.t. Kishore	1992	74718	153000
		313872	**612000**
Total 32 Vessels		**1873729**	**3474969**
OIL TANKERS (PRODUCT CARRIERS)			
A. The Shipping Corpn. of India Ltd., Bombay.			
1. m.t. Dadabhai Nauroji	1977	15045	24400
2. m.t. Aurobindo	1976	15045	24411
3. m.t. Kalandia	1976	15045	24490
4. m.t. Major Hoshiar Singh PVC	1985	28704	25421
5. m.t. Lance Naik Albert Ekka	1985	28704	45473
6. m.t. Flying Officer Nirmal Jit/Singh Shekhawat PVC	1985	28704	45485
7. m.t. Lt. Arun Khetarpal	1985	28704	45453
8. m.t. Rabindranath Tagore	1993	26481	43900
9. m.t. Bankimchandra Chatterjee	1994	26474	45135
1o m.t. Jhulelal	1981	13279	19980
		226185	**344148**

Contd...

INDIAN TONNAGE AS ON 31.3.1995

Owner/Name of the Ship	Year of Built	G.R.T. (Tonnes)	D.W.T. Tonnes)
1	2	3	
B. The Great Eastern Shipping Co. Ltd., Bombay.			
11. m.t. Jag Prakash	1974	15489	25080
12. m.t. Jag Palak	1985	18542	26970
13. m.t. Jag Preeti	1981	21206	28679
14. m.t. Jag Pari	1982	20991	28679
15. m.t. Jag Priya	1975	20415	32360
16. m.t. Jag Prabhat	1985	18542	26967
17. m.t. Jag Pragati	1985	18542	26970
18. m.t. Jag Prabhu	1978	5357	7261
19. m.t. Jag Padma	1982	27771	47048
		166855	**250014**
C. M/s ALPIC Finance Ltd.			
20. m t. Vijaydoot	1984	4462	7313
D. M/s Varun Shipping Co. Ltd.			
21. m.t. Vishwadoot	1982	18959	29999
22. m.t. Hansdoot	1983	4462	7334
23. m.t. Shaktidoot	1982	17751	29999
24. m t . Jaldoot	1984	22989	34247
		64161	**101579**
E. M/s. Essar Shipping Ltd., Bombay.			
25. m.t. Nand Kishore	1981	13906	19602
26. m.t. Nand Hari	1981	11135	19604
27. m.t. Nand Vasu	1983	25692	39701
		50733	**78907**
F. M/s. Century Shipping, Bombay.			
28. m.t. Aditya Vikram	1981	3850	7070
28. m.t. Aditya Vardhan	1983	4749	7985
30. m.t. Aditva Vijay	1981	16899	29990
		25498	**45045**
G. M/s. Continental Shipping Corpn. Ltd., Bombay.			
31. m.t. Continental Bose	1981	3467	6157
Total 31 Vessels		**541361**	**833163**
	LPG CARRIERS		
A. M/s Shipping Corpn. of India Ltd., Bombay			
1. m.v. Nanga Parbat	1990	17600	17035
2. m.v. Anna Purna	1991	17778	17652
Total 2 Vessels		**35378**	**34687**

SHARE OF TRAFFIC OF PETROLEUM PRODUCTS IN THE TOTAL TRAFFIC HANDLED AT MAJOR PORTS DURING 1969-70TO 1994-95

(Million Tonnes)

Name of the Port	Year	Total Traffic	POL Traffic	POL as % age of total Traffic at the port
1	2	3	4	5
Calcutta/Haldia*	1969-70	6.89	1.53	22.5
	1979-80	8.56	4.58	53.5
	1983-84	10.28	4.75	46.2
	1984-85	10.19	5.02	49.3
	1985-86	12.13	6.06	50.0
	1986-87	12.07	5.91	49.0
	1987-88	13.07	6.19	47.7
	1988-89	14.22	6.47	45.5
	1989-90	14.45	6.44	44.6
	1990-91	15.24	7.26	47.6
	1991-92	16.00	7.69	48.1
	1992-93	18.34	8.94	48.7
	1993-94	18.50	8.70	47.0
	1994-95*	20.49	9.71	47.4
Bombay	1969-70	15.04	8.60	57.2
	1979-80	16.57	7.84	47.3
	1983-84	24.74	16.65	67.3
	1984-85	25.20	16.93	67.2
	1985-86	24.26	15.47	63.8
	1986-87	25.06	15.52	61.0
	1987-88	28.65	19.01	66.3
	1988-89	28.70	18.41	64.2
	1989-90	28.55	18.58	65.1
	1990-91	29.79	19.89	66.8
	1991-92	27.21	19.76	72.6
	1992-93	29.02	20.05	69.1
	1993-94	30.74	20.50	66.7
	1994-95*	32.04	20.07	62.6
Madras	1969-70	6.44	2.24	34.8
	1979-80	9.99	3.73	37.3
	1983-84	13.32	6.58	49.4
	1984-85	15.01	6.93	46.2
	1985-86	18.15	8.93	49.2
	1986-87	19.78	10.31	52.1
	1987-88	22.02	12.23	53.6
	1988-89	23.86	10.76	45.1
	1989-90	23.94	9.72	40.6
	1990-91	24.52	9.83	40.1
	1991 -92	25.05	10.08	40.2
	1992-93	25.33	9.73	38.4
	1993-94	26.54	11.04	41.6
	1994-95*	29.46	11.97	40.6
Cochin	1969-70	4.79	3.56	74.3
	1979-80	5.47	3.87	70.8
	1983-84	5.13	3.80	74.1
	1984-85	3.92	2.63	67.1
	1985-86	5.11	3.83	75.0
	1986-87	6.88	5.45	79.2
	1987-88	6.80	5.37	79.0

Contd.....

SHARE OF TRAFFIC OF PETROLEUM PRODUCTS IN THE TOTAL TRAFFIC HANDLED AT MAJOR PORTS DURING 1969-70TO 1994-95

(Million Tonnes)

Name of the Port	Year	Total Traffic	POL Traffic	POL as % age of total Traffic at the port
1	2	3	4	5
	1988-89	7.82	6.27	80.2
	1989-90	7.13	5.59	78.4
	1990-91	7.28	5.80	79.7
	1991-92	7.48	5.88	78.6
	1992-93	7.98	6.22	77.9
	1993-94	7.62	6.12	80.3
	1994-95*	8.59	6.69	77.9
Kandla**	1969-70	2.11	0.98	46.4
	1979-80	7.27	5.45	75.0
	1983-84	14.16	11.36	80.2
	1984-85	15.75	11.94	75.8
	1985-86	16.49	12.34	74.9
	1986-87	16.19	11.93	74.9
	1987-88	18.08	13.09	72.4
	1988-89	17.81	13.08	73.4
	1989-90	18.93	14.36	75.9
	1990-91	19.69	15.06	76.5
	1991-92	21.00	16.50	78.6
	1992-93	22.91	17.95	78.4
	1993-94	24.50	18.16	74.1
	1994-95*	26.51	18.95	71.5
J.N.P.T.	1989-90	0.70	-	-
	1990-91	2.03	-	-
	1991-92	2.80	-	-
	1992-93	3.01	-	-
	1993-94	3.39	-	-
	1994-95*	5.01	-	-
Visakhapatnam	1969-70	8.30	1.94	23.4
	1979-80	10.23	1.94	19.0
	1983-84	11.35	4.03	35.5
	1984-85	12.87	4.47	34.7
	1985-86	15.91	6.27	39.4
	1986-87	15.04	5.31	35.3
	1987-88	15.37	5.57	36.2
	1988-89	20.37	6.99	34.3
	1989-90	21.12	6.83	32.3
	1990-91	19.42	5.60	28.8
	1991-92	21.52	6.38	29.6
	1992-93	22.77	7.59	33.3
	1993-94	25.59	8.90	34.8
	1994-95*	30.03	11.24	37.4
Mormugao	1969-70	9.03	0.15	1.1
	1979-80	14.80	0.73	4.9
	1983-84	13.22	1.02	7.7
	1984.85	14.51	0.90	6.2
	1985-86	16.10	0.98	6.1
	1986-87	14.92	0.78	5.4
	1987-88	13.33	1.13	8.5
	1988-89	15.39	1.30	8.5
	1989-90	14.17	1.04	7.3
	1990-91	14.91	1.37	9.2
	1991-92	15.10	1.87	12.4
	1992-93	16.31	1.79	11.0
	1993-45	18.72	2.10	11.2
	1994-95*	18.88	1.94	10.3

Contd.....

SHARE OF TRAFFIC OF PETROLEUM PRODUCTS IN THE TOTAL TRAFFIC HANDLED AT MAJOR PORTS DURING 1969-70 TO 1994-95

(Million Tonnes)

Name of the Port	Year	Total Traffic	POL Traffic	POL as % age of total Traffic at the port
1	2	3	4	5
Paradip	1969-70	1.75	-	-
	1979-80	2.31	-	-
	1983-84	1.59	-	-
	1984-85	2.14	-	-
	1985-86	3.33	-	-
	1986-87	4.85	-	-
	1987-88	5.19	-	-
	1988-89	6.03	-	-
	1989-90	6.18	-	-
	1990-91	6.88	-	-
	1991-92	7.30	0.02	0.3
	1992-93	7.61	0.20	2.6
	1993-94	8.33	0.34	4.1
	1994-95*	10.12	0.34	3.4
Port of Tuticorin	1977-78	0.63	0.35	55.6
	1979-80	2.41	0.44	18.3
	1983-84	3.55	0.43	13.5
	1984-85	3.77	0.51	13.5
	1985-86	4.22	0.34	8.1
	1986-87	4.15	0.33	7.2
	1987-88	4.26	0.37	9.4
	1988-89	5.14	0.48	9.3
	1989-90	5.32	0.48	9.0
	1990-91	5.08	0.47	9.3
	1991-92	5.87	0.50	8.5
	1992-93	6.21	0.51	8.2
	1993-94	6.70	0.46	6.9
	1994-95*	8.04	0.42	5.2
New Mangalore	1977-78	0.38	0.20	52.6
	1979-80	0.90	0.21	23.3
	1983-84	2.84	0.35	12.3
	1984-85	3.38	0.44	13.0
	1985-86	3.69	0.41	11.1
	1986-87	5.43	0.53	9.8
	1987-88	6.11	0.46	8.2
	1988-89	7.08	0.57	7.3
	1989-90	7.66	0.58	7.6
	1990-91	8.03	0.61	7.6
	1991-92	8.27	0.62	7.5
	1992-93	7.09	0.63	8.9
	1993-94	8.63	0.65	7.5
	1994-95*	8.01	0.74	9.2
Grand Total	1969-70	54.35	19.02	35.0
	1977-78	66.23	26.21	39.6
	1979-80	78.49	28.78	36.7
	1983-84	100.18	48.97	48.9
	1984-85	106.74	49.77	46.6
	1985-86	120.04	54.63	45.5
	1986-87	124.37	56.10	45.1
	1987-88	133.68	63.15	47.2
	1988-89	146.43	64.33	43.9
	1989-90	148.14	63.60	42.9
	1990-91	152.86	65.88	43.1
	1991-92	157.60	69.30	44.0
	1992-93	166.58	73.61	44.2
	1993-94	179.26	76.97	42.9
	1994-95*	197.18	82.07	41.6

SOURCE: Ministry of Surface Transport, Port Study Cell.
NOTE: Traffic handled includes transhipment cargo also.
**= Kandla Pol traffic includes traffic handled at Vadinar
*= Provisional

MOVEMENT OF POL TRAFFIC ON RAILWAYS SINCE 1970-71

YEAR	Tonnes Originating ('000' MTS)	Earnings ('000'Rs.)	Average Lead (Kms)	Earning (Paise/ Tonnes Kms)	Average Freight Col 3 Divided Col 2 (Rs/Tonnes)
1	2	3	4	5	6
1970-71	8857	464081	594	8.8	52.40
1971-72	10063	523049	593	8.8	51.98
1972-73	10181	550982	614	8.8	54.12
1973-74	9994	555560	638	8.7	55.59
1974-75	10751	723192	642	10.5	67.27
1975-76	11663	860925	605	12.2	73.82
1976-77	12395	1038462	609	13.8	83.78
1977-7.8	13062	1120693	631	13.6	85.80
1978-79	14301	1324332	698	13.3	92.60
1979-80	14266	1497510	729	14.4	104.97
1980-81	14954	1835693	780	15.7	122.76
1981 -82	16555	2848050	731	23.5	172.04
1982-83	17342	3588169	647	32.0	206.91
1983-84	17949	4052635	597	37.8	225.79
1984-85	18169	4157626	563	40.6	228.83
1985-86	18635	4705145	588	42.9	252.49
1986-87	19853	5395900	588	46.2	271.79
1987-88	21690	7175776	635	52.1	330.83
1988-89	22598	7639458	626	54.0	338.06
1989-90	-24313	9135273	645	58.3	375.74
1990-91	24988	9617393	605	63.6	384.88
1991-92	25555	10264888	606	66.3	401.68
1992-93	26412	11733798	603	73.7	444.26
1993-94	25950	14596012	638	88.9	562.47
1994-95(p)	27720	18795120	655	99.1	678.04

SOURCE Railway Board.

RAIL FREIGHT RATES IN RESPECT OF PETROLEUM PRODUCTS

(RS./KL)

Effective Dates	Distance in kilometres							
	100	300	500	800	1000	1500	2000	2500
1	2	3	4	5	6	7	8	9
				DANGEROUS (POL-PRODUCTS)				
01.04.1982	71.4	143.3	207.6	357.2	425.5	584.4	729.2	828.0
01.04.1983	78.0	175.2	267.0	393.9	478.5	655.5	796.5	919.5
15.04.1985	78.0	175.2	267.0	433.3	526.4	721.1	876.2	1011.5
01.12.1986	84.3	203.4	326.6	522.1	639.6	814.6	1123.2	1284.2
01.04.1988	89.4	215.6	346.2	553.4	678.0	969.5	1190.6	1361.8
01.04.1989	99.2	239.3	384.3	614.3	752.6	1076.1	1321.6	1511.6
01.04.1990	106.1	256.1	411.2	567.3	805.3	1151.4	1414.1	1617.4
01.10.1990	109.1	263.2	422.7	675.7	827.9	1183.7	1453.8	1662.8
16.08.1991	120.0	289.5	465.0	743.3	910.7	1302.1	1599.2	1829.1
01.04.1992	129.0	311.2	499.9	799.0	979.0	1399.8	I719.1	1966.3
01.04.1993	141.9	342.3	549.9	894.9	1096.5	1567.8	1925.4	2202.3
01.04.1994	141.9	347.0	579.4	929.3	1163.4	1684.4	2090.2	2390.8
01.04.1995	151.8	371.3	620.0	994.4	1244.8	1802.3	2236.5	2558.2
				NON-DANGEROUS (POL-PRODUCTS)				
01.06.1982	53.5	106.3	153.5	263.6	313.5	430.4	530.5	609.0
01.06.1983	59.2	130.5	197.8	290.9	352.9	482.7	586.1	676.3
01.06.1984	63.9	141.7	215.1	316.6	384.3	525.9	638.7	737.1
15.04.1985	63.9	141.7	215.1	348.3	422.7	578.5	702.6	810.8
11.12.1986	69.1	164.5	263.2	419.7	513.6	733.7	900.6	1029.8
01.04.1988	78.5	188.5	301.4	481.0	588.9	841.6	1033.2	1181.6
01.04.1989	87.2	208.7	334.5	533.9	653.7	934.2	1146.8	1311.6
01.04.1990	93.3	223.3	357.9	571.3	699.5	999.6	1227.1	1403.4
01.10.1990	95.9	229.6	368.0	587.3	719.1	1027.6	1261.5	1442.8
16.08.1991	105.5	252.6	404.8	646.0	791.0	1130.4	1387.7	1587.1
01.04.1992	109.5	261.7	409.0	668.4	818.2	1169.2	1435.1	1641.2
01.04.1993	133.4	320.4	514.5	836.4	1024.1	1464.2	1798.2	2056.5
01.04.1994	133.4	324.8	542.1	868.5	1086.6	1573.2	1952.1	2232.5
01.04.1995	142.7	347.5	580.0	929.3	1162.7	1683.3	2088.7	2388.8

Note: Dangerous POL- Include Motor Spirit, Benzene, and other dangerous mineral oils.
Non-Dangerous Pol-Include HSDO, LDO and other Petroleum & Hydrocarbon oil (Except Kerosene oil)

Source: Railway Board.

CRUDE OIL, NATURAL GAS & PRODUCT PIPELINES IN INDIA AS ON 1.4.1995

Pipelines	Owned by	Length In Kms.	Diametre In Inches/mm
1	2	3	4
1. CRUDE PIPELINES (ONSHORE)			
Ankleshwar-Koyali (Baroda)	ONGC	94.77	16"
Kalol-Nawaga	ONGC	48.90	12-3/4"
Nawagam-Koyali	ONGC	77.63	14"
Sanand-Kalol	ONGC	12.52	8-5/8"
Sobhashan-North Kadi	ONGC	20.23	8-5/8"
North Kadi-Kalol	ONGC	35.59	12-3/4"
Jhalora - Sanand	ONGC	9.36	8-5/8"
La hwa- Moran	ONGC	17.50	12-3/4"
Rudrasagar-Lakwa	ONGC	38.00	8-5/8"
Geleki-Dikhow	ONGC	18.90	8-5/8"
Goleki-Jorhat	ONGC	48.40	14"
Borhollah-Jorhat pipelines	ONGC	42.80	12-3/4"
Nada to GNAQ	ONGC	23.00	8"
Lanwa to Balol	ONGC	14.50	12"
Nawagam to Koyali	ONGC	23.30	18"
(Vaded to Akhdol Section)			
GNAQ to Jambusar Junction Point	ONGC	12.70	8"
North Kadi kalol GGS-I to S.Kadi CTF	ONGC	5.10	12-3/4"
Santhal CTF to North Kadi	ONGC	4.52	12-3/4"
Jotana GGS-I to Santhal CTF	ONGC	2.73	4-1/2"
Viraj GGS-I to South Kadi CTF	ONGC	5.83	8-5/8"
Geleki-Dikhu Junction Point	ONGC	17.80	12-3/4"
Nawagam to Koyali	ONGC	79.33	450mm
GGS-I to GGS-XI Kalol	ONGC	4.55	200mm
IPS of KNK pipeline to			
IVP of 18"dia Nawagam-Koyali pipeline	ONGC	1.50	350mm
Lanwa-INSITU project to Lanwa GGS-I	ONGC	4.50	300mm
Narimanam-Nagapattinam	ONGC	14.00	206.40mm
Tondiarpet to Madras Refinery	ONGC	5.00	206.40mm
Becharaji GGS to Mehsana CTF	ONGC	20.50	18"
Lanwa Insitu Plant to Lanwa EPS-II	ONGC	1.70	12"
Nawagam to Koyali	ONGC	0.80	18"
GNBI to GGS-IV	ONGC	4.20	2"
Dahej to Gandhar GGS-IV	ONGC	10.00	4"
T connection from the pipeline running in between Narimanam GGS/CTF to Nagapatnam Oil Terminal to Panangudi (MRL) refinery	ONGC	2.50	8"
Water Injection Plant Lakwa Colony to Water Injection Plant-III	ONGC	3.32	300mm
ETP to WIP-II	ONGC	0.46	300mm
Kalol GGS-III to Kalol GGS-IX	ONGC	5.30	200mm
Kalol GGS-IV to Kalol GGS-IX	ONGC	6.40	100mm
Becharji GGS-II to Becharji GGS-I	ONGC	3.25	300mm
Balol GGS-III to North Santhal CTF	ONGC	14.00	300mm
New GGS to 'T' point on GGS-I to CPF oil pipline	ONGC	7.40	219.1mm
Dikom-Duliajan	OIL	6.00	200mm
Dikom-Duliajan	OIL	22.50	250mm
Digboi oilfield-Digboi Refinery	OIL	12.50	6"
Digboi oilfield-Digboi Refinery	OIL	10.40	4"
Nahorkatiya-Digboi	OIL	35.00	8"
Nahorkatiya-Gauhati loopline	OIL	100.00	16"
Nahorkatiya-Gauhati	OIL	401.00	16"
Gauhati-Barauni	OIL	757.00	14"
Gauhati-Barauni loopline	OIL	112.00	16"
Kumchai to Bordumsa	OIL	23.00	.6"
Shalmari to Moran	OIL	28.00	200mm
Hapjan to Kathalguri OCS	OIL	10.00	200mm
Nararabet to Salaya Tank Farm 2 lines	IOC	5.30 each	42"
Salaya-Viramgam	IOC	275.00	28"
Viramgam-Koyali	IOC	141.00	18"
Viramgam-Mathura	IOC	803.00	24"
Total Onshore		3509.79	

Contd....

CRUDE OIL, NATURAL GAS & PRODUCT PIPELINES IN INDIA AS ON 1.4.1995

Pipelines	Owned by	Length In Kms	Diametre In Inches/mm
1	2	3	4
II. CRUDE PIPELINES (OFFSHORE)		**530.97**	
Heera-Uran	ONGC	80.61	24"
BH (plafform F) to Uran	ONGC	203.00	30"
Uran-Trombay	ONGC	24.00	36"
Trombay-Bhutcher Island	ONGC	4.40	36"
HRA-R-1 2	ONGC	38.92	12"
Gandhar-Saraswani	ONGC	55.00	12"
Nawagam-Jhalora-Kalol	ONGC	55.00	14"
GNAQ-Junction Point of Gandhar Saraswani	ONGC	15.00	4"
Nada-GANQ	ONGC	25.00	4"
BPA-BH-URAN	ONGC	15.97	12"
ICP-BHS	ONGC	8.37	12"
SBM to Nararabet	IOC	5.70	42"
III. GAS PIPELINES (ONSHORE)		**3498.11**	
Sanand-Kalol	ONGC	12.67	6-5/8"
Jhalora GGS-1 to Sanand GGS-2	ONGC	9.27	8-5/8"
Jotna GGS-1 to Santhal CTF to N. Kadi GGS-1	ONGC	7.17	8-5/8"
Motwa n to Aj ke l es hwar CTF	ONGC	2.89	8-5/8"
Ramol GCS to Nawagam CTF	ONGC	17.45	6-5/8"
Nawagam CTF to Amul Diary CTF	ONGC	50.00	4-1/2"
Narsapur-Palakollu	ONGC	12.20	8"
South Santhal CTF to Lanwa EPS-1	ONGC	27.50	4"
Sanand GGS-I to GGS-2	ONGC	5.00	8"
Dahej to Gandhar Via Pakhajan	ONGC	26.50	8"
Sobhasan GGS-1 to S. Santhal CTF	ONGC	4.50	12"
Sobhasan GGS-2 to S. Santhal CTF	ONGC	4.20	12"
Kalol GGS-1 to Kalol GGS-7	ONGC	2.54	8"
Kalol GGS-I to GGS-XI	ONGC	4.55	200mm
Kalol GGS-I to XI	ONGC	4.55	100mm
Kalol GGS-I to Kalol GCS cum CTF	ONGC	5.00	300mm
GSS to GCS	ONGC	11.00	350mm
Bharuch City Gas line	ONGC	5.00	100mm
ND Gas pipeline for M/s GACL	ONGC	5.00	100mm
Galeki GGS-II to DJP	ONGC	18.00	12"
Kalol GGS-3 to GGS-5 Junction Point	ONGC	3.10	12"
Kolol GGS-9 to GGS-4	ONGC	3.35	8"
Kalol GGS-1 to GGS-7	ONGC	3.30	8"
Nada GGS to GNAO	ONGC	20.11	8-5/8"
Gandhar GGS-IV to Gandhar GGS lil	ONGC	10.00	12"
Mullar 'T' point to Gandhar CTF	ONGC	9.30	14"
Sobhasan CTF to SouthSanthal CTF	ONGC	18.39	14"
GGS-III to IVP	ONGC	10.50	323.9mm
IVP to GGS-IV Gandhar field	ONGC	0.60	219.1mm
Hazira to Motwan GGS	ONGC	31.50	323.9mm
New GGS to 'T' point on Baroda Gandhar Gas Pipeline	ONGC	11.00	457.0mm
GGS-III Gandhar to CPP Gandhar	ONGC	0.50	323.0mm
EPS Gandhar	ONGC	8.40	219.1mm
Motwan GGS to GGS-VI	ONGC	5.60	219.1mm
Cambay-Dhuvaran	GAIL	25.00	14"
Ankleshwar-Uttaran	GAIL	38.25	16"
Ankleshwar-Baroda	GAIL	96.55	14"
Nawagam-Calico Gas Line (NCGL)	GAIL	24.55	8"
Kalol-IFFCO	GAIL	2.50	8"
Kalol-IFFCO	GAIL	2.50	12"
Sobhashan-Dudh Sagar Dairy	GAIL	9.20	8"
Dabka GCS Sarasvani Valve Platform	GAIL	10.50	4-1/2"
North Kadi CTF-S.Kadi CTF-Kadi GIDC	GAIL	16.40	8"
Kalol GCS-Kadi GIDC	GAIL	19.40	8"
Uttran Kavas	GAIL	24.50	12-3/4"
Hazira-Karibhco	GAIL	4.00	16"
Uttran-Hazira	GAIL	14.00	36"
ASEB Gas Pipeline	GAIL	16.15	12-3/4"

Contd.....

CRUDE OIL, NATURAL GAS & PRODUCT PIPELINES IN INDIA AS ON 1.4.1995

Pipelines	Owned by	Length In Kms.	Diametre In Inches/mm
1	2	3	4
Lakwa to Maibella Dhiku Junction PT-Lakwa CTF	GAIL	23.50	12-3/4"
Narimanam-Nagapattinam	GAIL	14.00	4"
Naraspur-Kevvur	GAIL	72.00	8"
Naraspur-Tatipaka	GAIL	26.60	14"
Gandhar-Dabka	GAIL	47.00	12"
GIPCO to Chokari Via Undera	GAIL	32.00	12"
Chokari-T point to M/s GIPCO	GAIL	32.19	12"
Gandhar GGS to M/s GNFC	GAIL	42.00	18"
Kalol-CTF to tap-off point			
Chankheda from T-connection at Ranasan to AE Co.	GAIL	35.20	8"
Chandkheda tap off point to Ramason tap off point			
(a) Main line	GAIL	15.00	4"
(b) Submerged river crossing across river sabarmati	ONGC	0.41	4"
Hajira-Bijaypur	GAIL	642.00	36"
Bijaypur-Boreri	GAIL	110.11	18"
Boreri-Anta	GAIL	20.00	12"
Bijaypur-Auraiya	GAIL	351.00	30"
Auraiya-Jagdishpur	GAIL	217.70	18"
Auraiya-Delhi	GAIL	466.00	18"-24"
Auraiya-NTPC Auraiya	GAIL	2.50	12"
Hazira-NTPC Kawas	GAIL	8.00	12"
Vagodia-IPCL	GAIL	32.00	18"
Ghaziabad Spur II	GAIL	10.00	4"-6"
Tatipaka-Kakinada	GAIL	76.00	18"
Kakinada-NFCL	GAIL	20.00	12"
Delhi-Sonepat-Bahadurgarh	GAIL	80.00	4"-8"
Dadri-Sikandrabad	GAIL	14.00	4"
IPCL-GSFC	GAIL	1.10	18"
Desu Maruti	GAIL	35.00	12"
Boreri Gadepan	GAIL	32.00	18"
Penumadam Kavitam	GAIL	6.00	4"
Narimanam GCS-SPIC FINE	GAIL	11.00	6"
NoidatapofftoSahibabad Indl.Area	GAIL	19.50	6"
Ghaziabad tap off to Ghaziabad Indl. Area	GAIL	9.00	4"
For NTPC Jadnnore in Gujarat	GAIL	15.00	12"
Narimanam to Spic fine Chemicals in south	GAIL	13.00	6"
Gandhar-NTPC Jannore	GAIL	40.00	18"
Thal-Nippon Denro	GAIL	26.00	12"
Gamnewala-RSEB	GAIL	32.00	12"
Kundalammacheruvu-Regency Ceramics	GAIL	16.00	4"
Narimanam GGS-MRL	GAIL	10.00	6"
Adaikamangalam GGS-MRL	GAIL	20.00	8"
SFCL-KSCL	GAIL	4.00	4"
KSCL-Pondy Chemicals	GAIL	1.00	4"
Digboi-Duliajan	OIL	42.00	10"
Hapjan to Kathalguri GGS	OIL	10.00	200mm
Salmari-Naharkotiya	OIL	20.00	300mm
Dikom-AGC feeder pipeline	OIL	9.00	250mm
Kathaloni-AGC feeder line	OIL	8.50	200mm
IV. GAS PIPELINES (OFFSHORE)		**62 2.25**	
Uran to MSEB-I	ONGC	6.00	12"
BH (Plafform 'F') to Uran	ONGC	203.00	26"
Uran-Trombay	ONGC	24.00	18"
Uran-MSEB	ONGC	6.00	12"
South Bassein to Umrat	ONGC	216.00	36"
BPB-Bassein Hazira B	ONGC	9.98	30"
Heera-Uran	ONGC	80.93	26"
SHG-BPB HP line	ONGC	76.34	28"
Total Gas Pipelines (III+IV)		**4120.36**	

Contd.....

CRUDE OIL, NATURAL GAS & PRODUCT PIPELINES IN INDIA AS ON 1.4.1995

Pipelines	Owned by	Length In Kms.	Diametre In Inches/mm
1	2	3	4
V. PRODUCT PIPELINES			
Digboi-Tinsukia (WOL)	IOC (AOD)	35.48	8"
Digboi-Tinsukia (BOL)	IOC (AOD)	38.95	6"
Digboi-Tinsukia (ROL-1)*	IOC (AOD)	33.72	6"
Gauhati-Siliguri	IOC	435.00	8-5/8"
Koyali-Ahmedabad	IOC	115.70	8-5/8"
Barauni-Kanpur	IOC	668.78	12-3/4"
Haldia-Mourigram-Rajbandh	IOC	268.58	12-3/4"
Haldia-Barauni	IOC	524.83	12-3/4"
Mathura-Delhi	IOC	146.60	16"
Delhi-Ambala	IOC	202.70	14"
Ambala-Jallandhar	IOC	165.00	12-3/4"
Eranakulam Instl. to FACT-Alwaye	BPCL	13.00	4"
BPCL (R) to Pir Pau Jetty	BPCL	3.50	8"
BPCL (R) to HPCL (R)	BPCL	3.00	4"
BPCL (R) HPCL (R)	BPCL	1.50	8"
BPCL (R) to Pir Pau Jetty	BPCL	4.50	14"
Brijwasan to Palam Airport, Delhi	BPCL	4.00	8"
BPCL (R) to IOC Sewree Installation	BPCL	4.00	12"
BPCL (R) to Pir Pau Jetty	BPCL	2.70	8"/12"
BPCL (R) to ONGC(TT)	BPCL	2.20	6"
BPCL (R) to HPCL (R)	BPCL	1.50	12"
BPCL (R) to HPCL(R)	BPCL	1.50	10"
BPCL (R) to HPCL(R)	BPCL	1.50	10"
BPCL(R) to Pir Pau Jetty	BPCL	1.00	10"
Uran (ONGC) to Uran (BPCL)	BPCL	7.00	8"
South Tanker Jetty to Ernakulam Installation	BPCL	3.34	16"
New Oil Installation, Ernakulam to CRL	BPCL	7.20	12"
New Oil Installation, Ernakulam to Tanker Jetty	BPCL	18.00	24"
Total Product Pipelines		**2714.78**	
VI. LPG Pipelines (OFFSHORE)			
Uran-Trombay	ONGC	24.00	8"
VII. NGL Pipelines (OFFSHORE)			
Uran-Trombay	ONGC	24.00	8"
Grand Total (I to VII)		**10923.90**	

* The Pipeline is not in serviceable condition and is lying redundent.

XVII. MARKETING NETWORK

Retail outlets in India as on 1st January of each year.

(NUMBERS)

Year		B/Shell	ESSO/ BPCL	CALTEX/ HPCL	IOC HPCL (VMU)	IBP	AOC/	TOTAL AOD
1	2	3	4	5	6	7	8	9
1968	Nos.	3683	1955	1437	1516	229	119	8939
	%	41.2	21.9	16.1	16.9	2.6	1.3	100
1969	Nos.	3700	1948	1396	2131	223	124	9522
	%	38.8	20.5	14.7	22.4	2.3	1.3	100
1970	Nos	3577	1922	1392	2655	233	129	9908
	%	16.1	19.3	14.0	26.8	2.4	1.4	100
1975	Nos.	3173	1867	1206	3546	525	163	10480
	%	30.3	17.8	11.5	33.8	5.0	1.6	100
1980	Nos.	3296	3198X1		4231	975	173	22873
	%	27.8	26.9		35.6	8.2	1.5	100
1981	Nos.	3308	3225z9		4333	1001	175	12042
	%	27.5	26.8		36.0	8.3	1.4	100
1982	Nos.	3314	3247 Q\		4413	1019	178	12171
	%	27.2	26.7		36.2	8.4	1.5	100
1983	Nos.	3232	3124@		4504	1024	186	12070
	%	26.8	25.9		37.3	8.5	1.5	100
1984	Nos.	3378	3391 @		4654	1051	190	12664
	%	26.7	26.8		36.7	8.3	1.5	100
1985	Nos.	3442	3451 @		4707	1062	202	12864
	%	26.7	26.8		36.6	8.3	1.6	100
1986	Nos.	3514	3545		4848	1087	215	13209
	%	26.7	26.8		36.7	8.2	1.6	100
1987	Nos.	3614	3630		5048	1126	225	13643
	%	36.4	26.6		37.0	8.3	1.6	100
1988	Nos.	3690	3717		5191	1174	235	14007
	%	26.3	26.5		37.1	8.4	1.7	100
1989	Nos.	3769	3784		5313	1194	250	14310
	%	26.3	26.5		37.1	8.4	1.7	100
1990	Nos.	3847	3829		545l2	1228	268	14264
	%	26.3	26.2		37.3	8.4	1.8	100
1991	Nos.	3907	3910		5542	1258	276	14893
	%	26.2	26.3		37.2	8.4	1.9	100
1992	Nos.	3976	3946		5602	1287	281	15092
	%	26.3	26.2		37.1	8.5	1.9	100
1993	Nos.	4016	3968		5605	1294	283	15166
	%	26.5	26.2		37.0	8.5	1.8	100
1994	Nos.	4045	4009		5637	1315	283	15289
	%	26.5	26.2		36.9	8.6	1.8	100
1995	Nos.	4146	4094		5889	1364	283	15776
	%	26.3	26.0		37.3	8.6	1.8	100

Note: 1. % = Percentage
2. @ = Includes HPCL (VMU) retail outlets
3. The data excludes consumers outlets.

STATE-WISE NUMBER OF RETAIL OUTLETS, MPDC'S, LDO/SKO DEALERS AND LPG DISTRIBUTORS AS ON 1.4.1995

(NUMBERS)

State/Union Territories	Retail outlets	MPDC	LDO/SKO dealers	LPG distributors
1	2	3	4	5
A. STATES				
1. Andhra Pradesh	1242	18	604	411
2. Arunachal Pradesh	29	2	30	15
3. Assam	336	1	341	119
4. Bihar	999	9	399	175
5. Goa	67	1	18	30
6. Gujarat	1009	12	470	320
7. Haryana	529	16	143	143
8. Himachal Pradesh	84	1	26	60
9. Jammu & Kashmir	115	1	30	75
1 O. Karnataka	975	4	311	275
1 1. Kerala	726	1	237	182
12. Madhya Pradesh	950	18	362	269
1 3. Maharashtra	1575	16	688	606
1 4. Manipur	28	3	34	13
1 5. Meghalaya	53	-	35	16
1 6. Mizoram	14	1	17	10
1 7. Nagaland	27	1	19	13
1 8. Orissa	346	7	171	134
1 9. Punjab	1001	14	236	220
20. Rajasthan	954	28	241	196
21. Sikkim	11	-	0	2
22. Tamil Nadu	1467	-	456	350
23. Tripura	29	1	39	11
24. Uttar Pradesh.	2092	69	669	533
25. West Bengal	1025	12	444	248
Total (States)	**15693**	**231**	**6029**	**4388**
B. UNION TERRITORIES				
26. A.N. Islands	3	-	1	1
27. Chandigarh	30	-	11	26
28. D.N. Haveli	4	-	2	1
29. Delhi	270	-	100	246
30. Daman & Diu	5	-	5	2
31. Pondicherry	28	-	8	8
32. Lakshdweep	0	-	0	1
Total IUTS)	**340**	**-**	**127**	**285**
GRAND TOTAL (A&B)	**16023**	**231**	**6156**	**4673**

STATE-WISE NUMBER OF LPG DOMESTIC CONSUMERS AS ON 1.4.1995

('000' Numbers)

S. NO.	STATES/UNION TERRITORIES	IOC	AOD	TOTAL IOC	BPCL	HPCL	GRAND TOTAL
1	2	3	4	5	6	7	8
STATES							
1.	Andhra Pradesh	698	0	698	300	828	1826
2.	Arunachal Pradesh	8	19	27	0	0	27
3.	Assam	158	202	360	0	0	360
4.	Bihar	616	0	616	66	83	765
5.	Goa	1	0	1120	394	396	1910
6.	Gujarat	1120	0	1120	394	396	1910
7.	Haryana	406	0	406	204	92	702
8.	Himachal Pradesh	220	0	220	6	39	265
9.	Jammu & Kashmir	92	0	92	20	147	259
10.	Karnataka	457	0	457	268	488	1213
11.	Kerala	555	0	555	190	91	836
12.	Madhya Pradesh	669	0	669	194	347	1210
13.	Maharashtra	205	0	205	1945	1650	3800
14.	Manipur	15	36	51	0	0	51
15.	Meghalaya	17	16	33	0	0	33
16.	Mizoram	13	22	35	0	0	35
17.	Nagland	12	18	30	0	0	30
18.	Orissa	146	0	146	19	171	336
19.	Punjab	575	0	575	201	125	901
20.	Rajasthan	404	0	404	206	216	826
21.	Sikkim	13	0	13	0	0	13
22.	Tamil Nadu	1332	0	1332	338	213	1883
23.	Tripura	18	20	38	0	0	38
24.	Uttar Pradesh	1943	0	1943	512	214	2669
25.	West Benaal	855	0	855	90	269	1214
TOTAL							
UNION TERRITORIES							
1.	Andaman & Nicouar	11	0	11	0	0	11
2.	Chandigarh	106	0	106	16	33	155
3.	Dadra & Nagar Haveli	0	0	0	0	4	4
4.	Delhi	1023	0	1023	348	204	1575
5.	Daman	0	0	0	0	9	9
6.	Lakshadweep	1	0	1	0	0	1
7.	Pondichery	24	0	24	6	8	38
8.	Silvasa	0	0	0	0	0	0
TOTAL		**1165**	**0**	**1165**	**370**	**258**	**1793**
ALL INDIA		**11712**	**333**	**12045**	**5379**	**5713**	**23137**

XVIII. ENERGY

GROSS PRODUCTION OF ENERGY BY VARIOUS SOURCES IN INDIA

YEAR	Coal & Lignite			Hydro-carbon			Power Million (Kwh)			
	Coal	Lignite	Total	Natural Gas	Crude Petro-leum	Petroleum Pro-ducts@	Thermal	Hydel	Nuclear	Total
	(Million Tonnes)			(MM3)	('000' Tonnes)					
1	2	3	4	5	6	7	8	9	10	11
1960-61	55.67	0.05	55.72	-	448	6077	9100	7837	-	16937
1965-66	67.73	2.57	70.30	507	3473	10081	19641	16734	-	36375
1970-71	72.95	3.39	76.34	1445	6822	18333	28162	25248	2417	55827
1971-72	72.42	3.72	76.14	1535	7299	19867	31713	28024	1189	60926
1972-73	77.22	2.89	80.11	1565	7321	19092	36217	27196	1133	64546
1973-74	78.17	3.32	81.49	1713	7189	20724	35321	28972	2396	66689
1974-75	88.41	2.94	91.35	2041	7684	20800	40109	27875	2206	70190
1975-76	99.63	3.03	102.66	2368	8448	22055	43303	33302	2626	79231
1976-77	100.99	4.02	105.01	2428	8898	22732	50245	34836	3252	88333
1977-78	100.98	3.58	104.56	2839	10763	24670	52495	37961	1740	92196
1978-79	101.95	3.30	105.25	2811	11633	25671	53420	47138	2770	103328
1979-80	103.94	2.90	106.84	2767	11766	27228	57155	45494	2876	105525
1980-81	113.91	5.11	119.02	2358	10507	25346	61301	46542	3001	110844
1981-82	124.23	6.31	130.54	3851	16194	29717	69392	49597	3021	122010
1982-83	130.50	6.93	137.43	4936	21063	32761	79880	48309	2022	130211
1983-84	138.22	7.30	145.52	5961	26020	34793	86535	49867	3494	139896
1984-85	147.41	7.80	155.21	7241	28990	35546	98770	53785	4078	156633
1985-86	154.20	8.05	162.25	8134	30168	42735	114119	50933	4985	170037
1986-87	165.77	9.43	175.20	9853	30480	45867	128820	53760	5020	187610
1987-88	179.72	11.16	190.88	11467	30357	47808	149464	47396	5034	201894
1988-89	194.60	12.40	207.00	13217	32040	49215	157510	57793	5822	221125
1989-90	200.89	12.64	213.69	16988	34087	52143	178522	61996	4623	245141
1990-91	211.73	14.11	225.50	17998	33021	52201	186452	71535	6244	264231
1991-92	229.28	15.97	243.83	18645	30346	52213	208551	72599	5561	286711
1992-93	238.26	16.62	254.88	18060	26950	54435	224485	69833	6748	301066
1993-94	246.04	16.90	262.94	18335	27026	55305	247618	70311	5394	323323
1994-95*	253.81	17.20	271.01	19388	32239	57400	262900	82500	5600	351000

* = Provisional @ = Includes RBF and LPG production from Natural Gas.

Source = (i) Central Electricity Authority and Economic Survey 1994-95.

(ii) Coal Statistic-Coal Controls Orqanization, Ministrv of Coal.

TRENDS IN PRODUCTION OF PRIMARY COMMERCIAL ENERGY

		Production				
Energy From	**Unit**	**1950-51**	**1960-61**	**1970-71**	**1980-81**	**1990-91**
Coal	Million Tonnes	33	55.67	72.95	114.01	211.73
Lignite	,,	-	0.05	3.39	4.80	14.07
Crude Oil	,,	0.26	0.45	6.82	10.51	33.02
Natural Gas	MCM	-	-	1445	2358	17998
Hydro Power	Bkwh	2.52	7.84	25.25	46.54	71.54
Nuclear Power	,,	"	"	2.42	3.00	6.24

PERCENTAGE SHARE OF DIFFERENT FUELS IN COMMERCIAL ENERGY CONSUMPTION

	1953-54	**1960-61**	**1970-71**	**1980-81**	**1990-91 ***
Coal	79.6	74.1	59.1	52.6	39.0
Oil & Gas	17.1	20.9	31.3	35.7	43.4
Electricity	3.3	5.0	9.6	11.7	17.6
Total	100.0	100.0	100.0	100.0	100.0

* Provisional

PERCENTAGE SHARE IN FINAL ENERGY CONSUMPTION BY DIFFERENT SECTOR

	Percentage share in Consumption				
Sector	**1953-54**	**1960-61**	**1970-71**	**1980-81**	**1990-91**
Industry	39.8	40.7	51.6	57.0	50.4
Transport	46.2	44.9	29.4	23.5	24.5
Household	9.9	10.6	14.3	12.3	13.8
Agriculture	1.7	1.8	3.8	6.1	9.0
Others	2.4	2.0	0.9	1.1	2.3
Total	100.0	100.0	100.0	100.0	100.0

Source :- Eighth five year plan Document 1992-97.

XIX- GENERAL

Gross Domestic Product of Crude Petroleum & Natural Gas, Coal and Lignite at current prices

(Rs/Lakhs)

Year	Crude Petroleum & Natural Gas	Coal & Lignite
1	2	3
1976-77	189778	51671
1977-78	27278	51504
1978-79	33148	50615
1979-80	37221	75908
1980-81 (Revised)	35852	103742
1981 -82 (Revised)	171254	123911
1982-83 (Revised)	218532	146252
1983-84 (Revised)	264771	166934
1984-85 (Revised)	319546	217644

INTERNATIONAL PETROLEUM STATISTICS

WORLD PROVED RESERVES OF CRUDE OIL AT END 1994

Country	Thousand million tonnes	Thousand million barrels	Share of total	R/P ratio
1	2	3	4	5
USA	3.8	30.2	3.0%	9.8
Canada	0.9	7.3	0.7%	10.5
Mexico	7.3	50.8	5.0%	45.5
Total North Airtetica	12.0	88.3	8.7%	18.9
Argentil1	0.3	2.2	0.2%	8.9
Brazil	0.5	3.8	o.i%	15.3
Colombia	0.5	3.4	0.3%	20.4
Ecuador	0.3	2.0	0.2%	15.3
Peru	0.1	0.8	0.1%	717.1
Venezuela	9.3	64.5	6.4%	65.4
Other S. & Cent. America	0.2	1.6	0.2%	19.7
Total S. & Cent. Alnerica	11.2	78.3	7.8%	4t4
Norway	1.2	9.4	09%	94
United Kingdom	0.6	4.5	0.4%	4.8
Other Western Europe	0.4	2.6	0.3%	11.9
Total Western Europe	2.2	16.5	1.6%	7.6
Former Soviet Union	7.8	57.0	5.6%	21.6
of whith: Russian Federation	6.7	49.0	4.9%	21.3
Kazakhstan	0.7	5.3	0.5%	35.9
Azerbajan	0.2	1.2	0.1Yo	16.5
Olhers	0.2	1.5	0.1%	12.7
Romania	0.2	1.6	0.2%	31.6
Other Eastern Europe	0.1	0.6	0.1%	12 2
Total Easterrt Europe	8.1	59.2	5.9%	21.6
Abu Dhabi	11.9	92.2	9.1%	*
Dubai & Northern Emirates	0.8	5.9	0.6%	39.t
Iran	12.2	89.3	8.8%	68.5
Iraq	13.4	100.0	9.9%	*
Kuwait	13.3	96.5	9.6%	*
Oman	0.7	4.8	0.5%	16.3
Qatar	0.5	3.7	0.4%	23 6
Saudi Arabia	35.7	261.2	25.9%	83.6
Syria	0.4	2.5	0.2%	11.9
Yemen	0.5	4.0	0.4%	32.8
Other Middle East	†	0.2	†	120
Total Middle East	89.4	660.3	65.4%	93 4
Algeria	1.2	9.2	0.9%	20.9
Angola	0.7	5.4	0.5%	28.0
Egypt	0.5	3.3	0.3%	9.8
Gabon	0.2	1.3	0.1 %	11.0
Libya	3.0	22.8	2.3%	44.6
Nigeria	2.4	17.9	1.8%	26.1
Tunisia	0.1	0.4	0.1 %	11.6
Other Africa	0.2	1.9	0.2%	132
Total Africa	8.3	62.2	6.2%	25 2
Australia	0.2	1.6	0.2Yo	7.6
Brunei	0.2	1.4	0.1%	21.9
China	3.3	24.0	2.4%	22.6
India	0.8	5.8	0.6%	22.9
Indonesia	0.8	5.8	0.6%	10.4
Japan	†	0.1	†	9 0
Malaysia	0.6	4.3	0.4%	18.2
New Zealand	†	*- 0.1	t 8.9	
l'apua New Guinea	†	0.2	†	5.2
Vietnam	0 1	0 5	†	10.2
Otiler Asia	0 1	0 7	0.1 %	15 2
Total Asia & Australasia	6.1	44.5	4.4%	17.6
TOTAL WORLD	**1 37.3**	**1009.3**	100.0%	**43.0**
of which OECD	14.4	106.6	10.6%	15.2
OPEC	104.7	770.3	76.3%	79 5
Non-OPEC††	24.8	181.9	18.0%	16.3

* Over 100 years † Less than 0.05 ††Excludes FSU
Source: B.P. Statistical Review of world Energy June 95.

WORLD PROVED RESERVES AT END 1994

Country	Trillion cubic feet	Trillion cubic metres	Share of total	R/P ratio
1	2	3	4	5
USA	162.4	4.6	3.3%	8.6
Canada	79.2	2.2	1.6%	16.6
Mexico	69.7	2.0	1.4%	77.6
Total North America	**311.3**	**8.8**	**6.3%**	**12.7**
Argentina	18.2	0.5	0.4%	23.3
Ecuador	3.8	0.1	0.1%	*
Trinidad	8.5	0.2	0.2%	32.9
Venezuela	130.4	3.7	2.6%	*
Other S. & Cent. America	28.2	0.8	0.5%	53.8
Total S. & Cent. America	**189.1**	**5.4**	**3.8%**	**76.1**
Germany	10.7	0.3	0.2%	19.5
Netherlands	66.2	1.9	1.3%	24.8
Norway	70.9	2.0	1.4%	65.6
United Kingdom	22.2	0.6	0.5%	9.6
Other Western Europe	21.4	0.6	0.5%	18.8
Total Western Europe	**191.4**	**5.4**	**3.8%**	**24.7**
Former Soviet Union	1997.0	56.0	39.7%	79.0
of which: Russian Federation	1700.0	48.1	34.1%	80.5
Ukraine	40.0	1.1	0.8%	63.2
Uzbekistan	66.0	1.9	1.3%	40.2
Turkmenistan	10.10	2.9	2.0%	81.6
Others	70.0	2.0	1.4%	*
Rp,amoa	12.3	0.3	0.2%	19.6
Other Non-OECD Europe	12.6	0.4	0.3%	31.6
Total Non-OECD Europe	**2001.9**	**56.7**	**40.2%**	**76.9**
Abu Dhabi	188.4	5.3	3.8%	*
Bahrain	5.3	0.1	0.1%	22.2
Dubai & Northern Emirates	16.2	0.5	0.3%	47.1
Iran	741.6	21.0	14.9%	*
Iraq	109.5	3.1	2.2%	*
Kuwait	52.9	1.5	1.1 %	*
Oatar	250.0	7.1	5.0%	*
Saudi Arabia	185.9	5.3	3.7%	*
Other Middle East	45.5	1.3	0.9%	*
Total Middle East	**1594.3**	**45.2**	**32.0%**	*
Algeria	128.0	3.6	2.6%	70.2
Egypt	19.3	0.5	0.4%	51.7
Gabon	0.5	†	†	*
Libya	45.8	1.3	0.9%	*
Nigeria	120.0	3.4	2.4%	*
Other Africa	28.0	0.8	0.5%	*
Total Africa	**341.6**	**9.6**	**6.8%**	*
Australia	19.6	0.6	0.4%	19.7
Bangladesh	25.2	0.7	0.5%	*
Brunei	14.0	0.4	0.3%	42.6
China	59.0	1.7	1.2%	*
India	25.0	0.7	0.5%	40.9
Indonesia	64.4	1.8	1.3%	29.4
Japan	1.0	†	†	12.0
Malaysia	68.0	1.9	1.4%	74.1
New Zealand	3.0	0.1	0.1%	18.7
Pakistan	27.5	0.8	0.5%	56.3
Other Asia	44.0	1.2	0.9%	94.2
Total Asia & Australasia	**350.7**	**9.9**	**7.1%**	**49.7**
TOTAL WORLD	**4980.3**	**141.0**	**100.0%**	**66.4**
of which: OECD	526.4	14.9	10.6%	15.7
European Union 12	119,4	3.4	2.4%	18.0

*over 100 years; †Less than 0.05

Source: B.P. statistical Review of World Energy June, 1994.

WORLD CRUDE OIL* PRODUCTION 1985-1994

(Million Tonnes)

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	Change 1994 over 1993	1994share of total
USA	499.3	482.9	467.8	459.6	429.5	417.1	423.4	413.5	397.5	386.3	-2.8%	12.0%
Canada	85.3	85.3	89.9	94.6	92.1	92.3	92.7	96.6	101.7	106.2	+4.4%	3.3%
Mexico	149.6	140.3	146.8	146.3	146.9	150.7	158.5	158.5	158.9	160.0	+0.7%	5.0%
Total North America	**734.2**	**708.5**	**704.5**	**700.6**	**668.6**	**660.1**	**674.7**	**668.6**	**658.0**	**652.5**	**-0.8%**	**20.3%**
Argentina	24.6	23.3	23.0	24.1	24.7	25.9	26.3	29.5	31.5	35.1	+11.3%	1.1%
Brazil	28.2	29.6	29.5	28.9	30.9	32.6	32.2	32.6	33.3	34.5	+3.8%	1.1%
Colombia	9.3	15.6	19.8	19.4	20.8	22.7	22.0	22.6	23.3	23.4	+0.2%	0.7%
Ecuador	14.5	15.2	9.0	15.7	14.5	14.8	15.5	16.6	18.0	18.5	+2.6%	0.6%
Peru	9.6	9.1	8.3	7.2	6.6	6.5	5.9	5.9	6.4	6.5	+1.6%	0.2%
Trinidad	9.0	8.6	7.9	7.7	7.6	7.7	7.5	7.2	6.7	7.0	+4.6%	0.2%
Venezuela	90.5	97.3	98.6	103.5	103.7	115.8	128.6	129.6	134.0	138.0	+3.0%	4.3%
Other S & Cent. America	4.3	4.2	4.0	3.6	3.6	3.6	3.6	3.7	4.0	4.3	+8.7%	0.1%
Total S. & Cent. America	**189.9**	**202.9**	**200.2**	**210.2**	**212.4**	**229.6**	**241.6**	**247.8**	**257.1**	**267.2**	**+3.9%**	**8.3%**
Denmark	2.9	3.6	4.6	4.7	5.5	6.0	7.0	7.8	8.3	9.1	+10.3%	0.3%
Norway	38.5	42.5	49.1	56.7	74.9	81.9	93.4	107.0	114.2	129.3	+13.3%	4.0%
United Kingdom	127.6	127.1	123.4	114.5	91.7	91.6	91.3	94.3	100.1	126.7	+26.6%	4.0%
Other Western Europe	20.8	22.0	22.8	23.5	22.4	22.7	23.0	21.9	20.7	21.5	+4.0%	0.7%
Total Western Europe	**189.9**	**195.1**	**199.9**	**199.3**	**194.5**	**202.1**	**214.6**	**230.9**	**243.2**	**286.7**	**+17.9%**	**9.0%**
Former Soviet Union	596.7	615.1	625.2	623.7	609.9	570.7	515.9	451.3	402.3	361.8	-10.1%	11.3%
of which: Russian Federation	542.3	560.9	569.5	568.8	554.9	516.0	462.0	399.0	354.0	316.0	-10.7%	9.9%
Kazakhstan	22.7	23.3	24.1	25.0	25.4	25.8	26.6	25.8	23.0	20.3	-11.7%	0.6%
Azerbaijan	13.2	13.1	13.9	13.7	13.2	12.5	11.7	11.1	10.5	9.6	-8.6%	0.3%
Others	18.5	17.8	17.7	16.2	16.5	16.4	15.6	15.4	14.8	15.9	+7.4%	0.5%
Romania	11.3	10.7	10.0	9.8	9.6	8.1	7.0	6.8	6.9	6.9	+0.6%	0.2%
Other Eastern Europe	8.7	8.6	8.3	8.1	7.7	7.3	7.0	7.2	6.4	6.8	+5.8%	0.2%
Total Eastern Europe	**616.6**	**634.3**	**643.5**	**641.6**	**627.3**	**586.1**	**529.9**	**465.3**	**415.6**	**375.5**	**-9.6%**	**11.7%**
Abu Dhabi	36.5	50.8	50.3	52.5	68.7	79.5	97.8	93.2	92.2	94.1	+2.0%	2.9%
Dubai & N. Emirates	20.8	21.0	22.6	21.4	24.0	25.3	23.3	22.0	19.7	19.5	-1.3%	0.6%
Iran	110.2	102.3	115.7	116.3	142.3	161.4	173.4	174.7	177.8	178.0	+0.1%	5.5%
Iraq	69.2	92.7	116.7	136.0	138.5	105.1	13.7	25.9	22.1	24.5	+11.1%	0.8%
Kuwait	55.6	67.3	52.3	73.5	77.7	62.1	9.9	54.7	96.0	103.7	+8.0%	3.2%
Oman	24.9	28.0	29.1	31.1	32.2	34.4	35.5	37.2	39.0	40.5	+3.8%	1.3%
Qatar	14.9	16.8	14.9	17.2	19.2	20.6	19.9	23.0	21.3	20.8	-2.1%	0.7%
Saudi Arabia	173.8	253.6	222.6	278.7	273.2	345.9	431.0	444.6	433.3	427.5	-1.3%	13.3%
Syria	1.3	10.4	12.0	14.0	17.7	21.1	24.5	26.7	29.4	29.9	+1.7%	0.9%
Yemen	—	0.5	1.2	8.2	8.5	8.7	9.4	8.7	10.5	16.0	+52.0%	0.5%
Other Middle East	2.4	2.4	2.4	2.5	2.5	2.4	2.5	2.5	2.5	2.4	-0.7%	0.1%
Total Middle East	**516.5**	**645.7**	**639.8**	**751.2**	**804.4**	**866.5**	**840.9**	**913.3**	**943.7**	**956.8**	**+1.4%**	**29.8%**
Algeria	50.0	51.8	52.6	53.6	54.7	57.5	57.5	56.3	56.3	55.7	-1.1%	1.7%
Angola	11.5	13.9	17.5	22.3	22.6	23.6	24.8	26.4	25.0	26.1	+4.7%	0.8%
Cameroon	9.2	8.8	8.4	8.3	8.1	7.8	7.2	6.8	6.2	6.4	+3.2%	0.2%
Congo	5.9	6.0	6.3	7.0	8.0	8.0	8.1	8.6	9.5	10.6	+11.6%	0.3%
Egypt	45.1	41.1	46.3	44.2	44.5	45.5	45.4	46.0	47.5	46.5	-2.2%	1.5%
Gabon	8.6	8.3	7.7	8.9	10.2	13.5	14.7	14.5	15.2	16.8	+10.0%	0.5%
Libya	50.7	51.0	48.0	50.9	55.7	68.7	73.8	70.8	67.1	67.6	+0.8%	2.1%
Nigeria	74.3	72.8	65.6	71.9	85.1	89.8	93.7	96.7	94.8	93.1	-1.7%	2.9%
Other Africa	8.4	8.2	7.7	7.3	6.7	6.4	6.9	6.8	6.6	6.8	+1.9%	0.2%
Total Africa	**263.8**	**261.8**	**260.2**	**274.4**	**295.6**	**320.7**	**332.1**	**332.9**	**328.3**	**329.6**	**+0.4%**	**10.3%**
Australia	28.8	25.8	27.4	26.0	24.5	28.4	26.9	26.5	24.9	26.9	+8.0%	0.8%
Brunei	8.2	8.1	7.6	7.3	7.3	7.4	7.9	9.0	8.3	8.5	+2.4%	0.3%
China	124.9	130.7	134.1	137.1	137.6	138.3	141.0	142.0	144.0	144.9	+0.6%	4.5%
India	30.2	31.8	30.9	32.7	35.0	34.8	33.0	30.3	29.1	33.6	+15.5%	1.1%
Indonesia	64.0	67.9	67.4	65.0	69.2	71.9	78.3	74.1	74.3	74.2	-0.1%	2.3%
Malaysia	21.2	23.9	23.6	25.8	28.0	29.6	30.8	31.3	30.6	30.9	+1.0%	1.0%
Papua New Guinea	—	—	—	—	—	—	—	2.5	5.9	5.7	-4.0%	0.2%
Vietnam	—	—	0.3	0.7	1.5	2.7	4.0	3.5	6.3	6.9	+8.7%	0.2%
Other Asia & Australasia	7.5	7.7	7.3	7.7	8.1	8.8	9.3	9.9	9.7	9.3	-4.6%	0.3%
Total Asia & Australasia	**284.8**	**295.8**	**298.6**	**302.2**	**311.2**	**321.9**	**331.0**	**331.0**	**333.0**	**340.7**	**+2.3%**	**10.6%**
TOTAL WORLD	**2795.6**	**2944.2**	**2946.6**	**3079.5**	**3113.9**	**3187.2**	**3164.7**	**3189.8**	**3179.0**	**3209.1**	**+0.9%**	**100.0%**
of which:OECD	954.9	931.4	933.8	928.1	889.9	893.1	918.9	928.9	928.9	968.7	+4.3%	30.2%
OPEC	819.1	953.4	935.0	1049.3	1122.1	1217.0	1215.6	1280.1	1304.0	1313.4	+0.7%	40.9%
Non-OPEC ◊	1379.8	1375.7	1386.4	1406.5	1381.8	1399.4	1433.2	1458.4	1472.6	1533.9	+4.2%	47.8%

*Includes crude oil, shale oil, oil sands and NGLs natural gas liquids—the liquid content of natural gas where this is recovered separately
Excludes liquid fuels from other sources, such as coal derivatives
◊ Excludes ESU

CRUDE OIL PRODUCTION BY OPEC MEMBER COUNTRIES (1980-1994)

(Million Tonnes)

OPEC Countries	1980	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994(P)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Algeria	52	46	43	46	48	49	53	54	55	58	58	56	56	56
Ecuador	10	10	12	13	i4	14	9	15	15	15	16	17	—	—
Gabon	9	8	8	8	8	8	8	9	10	14	15	15	15	17
Indonesia	78	69	69	74	65	69	67	65	69	72	78	74	74	74
Iran	74	120	122	109	110	95	116	116	142	161	173	175	178	178
Iraq	130	50	54	60	71	86	117	136	139	105	14	26	22	25
Kuwait	72	35	53	60	54	67	52	74	78	62	10	55	96	104
Libya	88	56	53	53	53	50	48	51	56	69	74	71	67	68
Nigeria	102	64	61	69	73	72	66	72	85	90	94	97	95	93
Qatar	22	16	15	20	16	17	15	17	19	21	20	23	21	21
SaudiArabia	493	3?8	264	244	182	260	223	279	273	346	431	445	433	428
U.A.E.	112	75	46	44	49	58	62	57	77	88	104	96	113	111
Venezuela	116	101	96	96	90	97	99	104	104	116	129	130	134	138
TOTAL	1358	978	894	896	833	946	935	1049	1122	1217	1216	1280	1304	1313

(P) = Provisional.

Source: BP Statistical Review of World Energy June 1995

Note: Ecuador withdraw its membership of OPEC at end 1992.

WORLD PRODUCTION OF NATURAL GAS* 1985-94

(MillionTonnes Oil equivalent)

	1986	1987	1988	1989	1990	1991	1992	1993	1994	Change over 1993	%Share total of 1994
USA	416.8	431.9	443.5	449.8	462.7	459.4	463.1	472.2	487.9	+ 3.3%	26.0%
Canada	64.3	70.7	81.7	87.0	89.4	94.8	104.5	112.9	121.7	+ 7.8%	6.5%
Mexico	23.4	23.8	23.7	24.0	24.7	23.6	22.9	22.6	22.9	+ 1.4%	1.2%
Total North America	504.6	526.4	548.9	560.8	576.9	577.8	590.5	607.7	632.5	+ 4.1%	33.7%
Argentina	14.0	13.6	16.2	17.1	16.1	17.9	18.1	19.4	20.0	+ 3.3%	1.1%
Bolvia	2.3	2.4	2.5	2.6	2.7	2.7	2.7	2.7	3.0	+ 7.7%	0.2%
Colombia	3.7	3.8	3.9	3.6	3.7	3.9	3.8	4.0	3.9	- 2.0%	0.2%
Trindad	3.9	4.1	4.6	4.6	4.7	5.1	5.4	6.0	6.5	+ 8.8%	0.3%
Venezuela	17.2	16.7	17.1	17.6	19.8	19.7	19.5	23.1	23.3	+ 1.0%	1.2%
Other S. & Cent. America	4.0	4.2	4.9	5.4	5.5	5.3	5.6	6.2	6.6	+ 6.7%	0.4%
Total S. & Cent. America	45.1	44.8	49.2	50.9	52.5	54.6	55.1	61.4	63.3	+ 3.2%	3.4%
France	3.5	3.2	2.6	2.6	2.8	2.9	2.8	2.9	2.9	- 0.5%	0.2%
Germany	15.0	16.7	15.0	14.2	14.3	13.2	13.4	13.4	14.0	+ 4.8%	0.7%
Italy	14.4	14.7	14.9	15.3	15.6	15.7	16.3	17.2	18.1	+ 5.1%	1.0%
Netherland	56.2	56.1	49.9	54.1	54.5	62.1	62.2	63.0	59.3	- 5.9%	3.2%
Norway	24.3	26.7	26.8	27.7	25.0	24.6	26.5	26.0	27.6	+ 6.1%	1.5%
United Kingdom	37.5	39.3	38.0	37.1	41.0	45.7	46.4	54.6	58.9	+ 7.8%	3.1%
Other Western Europe	3.9	4.4	5.0	6.9	6.8	7.6	7.6	7.6	8.0	+5.2%	0.4%
Total Western Europe	154.8	161.1	152.2	157.9	160.0	171.8	175.2	184.7	188.8	+2.2%	10.1%
Former Soviet Union	576.1	610.7	646.5	668.4	684.5	680.6	655.6	639.3	603.8	-5.5%	32.2%
of which Russian Federation	422.3	457.0	495.2	517.0	538.2	539.8	537.6	518.8	509.6	-1.8%	27.2%
Ukraine	33.3	29.9	27.2	25.9	23.6	20.5	17.6	16.1	15.3	-5.2%	0.8%
Uzkebekistan	32.4	33.4	33.5	34.5	34.3	35.2	35.9	37.8	39.6	+4.9%	2.1%
Turkmenistan	71.1	74.0	74.1	75.5	73.7	70.8	50.5	54.8	29.9	-45.5%	1.6%
Others	16.9	16.4	16.5	15.5	14.7	14.4	13.9	11.7	9.4	-19.8%	0.5%
Rominia	31.7	20.1	29.5	26.5	22.8	19.8	17.6	16.6	15.1	-9.1%	0.8%
Other E. Europe	12.2	12.3	12.1	11.5	9.1	9.2	8.7	9.8	9.6	-1.6%	0.5%
Total E. Europe	619.9	653.1	688.1	706.4	716.4	709.7	681.8	665.6	628.5	-5.6%	33.5%
Abu Dhabi	9.1	9.5	9.8	12.2	11.9	14.9	12.7	12.9	13.3	+3.2%	0.7%
Iran	13.7	14.4	18.0	20.0	21.8	23.2	22.5	24.4	27.9	+14.7%	5.1%
Qatar	5.2	5.0	5.3	5.6	5.7	6.9	11.4	12.2	11.6	-4.4%	0.6%
Soudi Arabia	22.7	24.1	26.2	26.8	27.5	28.8	30.6	32.3	33.9	+5.0%	1.8%
Other Middle East	17.8	20.7	24.7	27.4	22.4	17.4	21.7	25.8	27.9	+ 7.8%	1.5%
Total Middle East	68.5	73.7	84.0	92.0	89.3	91.2	98.9	107.6	114.6	+6.6%	6.1%
Algeria	32.8	37.1	38.7	41.8	44.3	47.8	49.5	47.8	45.3	- 5.1%	2.4%
Egypt	4.3	4.8	5.4	5.9	6.1	7.0	7.6	9.0	9.5	+ 6.0%	0.5%
Libia	4.0	4.1	4.6	5.7	5.2	5.7	5.9	5.6	5.6	+ 0.5%	0.3%
Nigeria	2.8	2.7	3.3	3.8	3.6	3.5	3.8	3.8	3.7	- 2.9%	0.2%
Other Africa	0.7	0.7	0.8	0.8	0.7	0.6	0.6	2.2	2.3	+ 3.8%	0.1%
Total Africa	44.6	49.4	52.8	58.0	59.9	64.6	67.4	68.4	66.4	- 2.8%	3.5%
Australia	13.2	13.5	13.8	16.0	18.6	19.5	21.1	22.0	25.3	+ 15.1%	1.4%
Brunei	7.4	7.3	7.6	7.5	7.6	7.8	8.1	8.2	8.4	+ 1.7%	0.4%
China	11.5	11.6	11.9	12.6	12.8	13.4	13.6	14.6	14.9	+ 2.3%	0.8%
India	5.9	7.0	8.0	9.6	11.1	12.6	14.3	14.6	15.6	+ 6.8%	0.8%
Indonesia	33.1	31.9	35.0	37.2	40.8	46.4	48.9	50.6	55.8	+ 10.2%	3.0%
Japan	1.9	2.0	1.9	1.8	1.8	1.9	1.9	2.0	2.0	+ 3.2%	0.1%
Malasia	12.6	14.0	14.8	15.7	16.0	18.3	20.5	22.4	23.4	+ 4.3%	1.3%
Pakistan	7.7	8.3	8.8	9.4	9.9	10.3	10.9	12.1	12.5	+ 2.7%	0.7%
Other Asia and Australia	15.1	16.6	18.4	16.1	16.6	17.8	19.1	20.7	21.8	+ 5.4%	1.2%
Total Asia and Australia	108.4	112.2	120.2	125.9	135.2	148.0	158.4	167.2	179.7	+ 7.4%	9.7%
Total World	**1545.9**	**1620.7**	**1695.4**	**1751.9**	**1790.2**	**1817.7**	**1827.3**	**1862.6**	**1873.8**	**+ 0.6%**	**100.0%**
Of which OECD	678.7	706.7	721.1	740.4	761.4	774.9	793.1	820.7	852.6	+ 3.9%	45.5%
Euro. Union 12	129.2	133.0	124.2	128.9	133.7	145.7	147.5	157.4	159.9	+ 1.6%	8.5%
Other EMES*	247.1	260.9	286.2	305.0	312.5	333.2	352.4	376.1	392.6	+ 4.4%	21.0%

*Excluding gas flared or recycled
Excludes Eastern Europe
Source : BP Statistical Review of World Energy June 1995.

WORLD CONSUMPTION OF NATURAL GAS 1985-94*

(Million Tonnes Oil equivalent)

	1986	1987	1988	1989	1990	1991	1992	1993	1994	%Change 1994 over 1993	%Share total of 1994
USA	421.1	447.2	467.5	488.5	486.3	494.1	507.3	625.2	533.2	+1.5%	29.2%
Canada	40.9	41.2	52.8	57.5	55.6	56.7	60.2	61.6	63.5	+3.2%	3.5%
Mexico	23.3	23.7	23.7	24.3	25.0	24.9	24.9	23.5	23.3	-1.1%	1.3%
Total North America	**485.3**	**512.1**	**544.0**	**570.3**	**566.9**	**575.5**	**592.4**	**610.3**	**620.0**	**+1.6%**	**34.0%**
Argentina	15.6	15.6	18.2	19.1	18.3	19.9	20.1	21.5	21.9	+1.8%	1.2%
Brazil	2.7	3.0	3.3	3.5	3.4	3.5	3.6	4.0	4.2	+5.1%	0.2%
Venezuela	17.2	16.7	17.1	17.6	19.8	19.7	19.5	23.1	24.9	+8.0%	1.4%
Other % Cent..America	9.3	9.5	10.4	10.6	11.1	11.5	11.9	12.9	13.7	+6.1%	0.8%
Total Latin America	**44.8**	**44.8**	**49.0**	**50.8**	**52.6**	**54.6**	**55.1**	**61.5**	**64.7**	**+5.3%**	**3.6%**
Austria	4.4	4.6	4.4	4.7	5.2	5.4	5.4	5.7	5.8	+1.3%	0.3%
Belgium & Luxembourg	7.6	8.5	8.4	9.4	9.5	9.0	9.0	9.9	10.1	+2.0%	0.6%
Denmark	1.0	1.3	1.6	1.7	1.8	1.9	2.0	2.2	2.5	+10.9%	0.1%
Finland	1.0	1.4	1.4	1.9	2.3	2.4	2.5	2.6	2.7	+3.8%	0.2%
France	24.2	25.0	23.6	24.4	26.4	27.5	28.3	29.0	27.7	-4.6%	1.5%
Germany	49.0	53.2	52.3	53.6	53.9	56.6	56.7	59.8	61.1	+2.3%	3.4%
Greece	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	†	-58.1%	†
Iceland	-	-	-	-	-	-	-	-	-	-	-
Republic of Ireland	1.4	1.4	1.7	1.9	1.9	1.9	1.9	2.2	2.2	†	0.1%
Italy	28.9	32.2	34.1	36.9	39.1	41.5	41.2	42.3	40.9	-3.3%	2.2%
Netherlands	32.7	33.6	30.6	31.3	31.0	34.2	33.2	34.1	34.2	+0.2%	1.9%
Norway	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-
Spain	2.5	2.7	3.5	4.5	5.0	5.5	5.9	5.8	6.5	+11.2%	0.4%
Sweden	0.2	0.3	0.4	0.6	0.6	0.6	0.7	0.7	0.7	+0.1%	†
Switzerland	0.9	0.9	1.1	1.3	1.3	1.5	1.9	2.0	2.0	†	0.1%
Turkey	0.4	0.6	1.0	2.7	3.0	4.0	4.1	4.5	5.9	+30.0%	0.3%
United Kingdom	47.4	48.7	46.4	45.8	47.3	51.0	51.2	57.9	60.9	+5.3%	3.3%
Groups, Gibraltar & Malta	-	-	-	-	-	-	-	-	-	-	-
Total Western Europe	**201.7**	**214.5**	**210.6**	**220.8**	**228.4**	**243.1**	**244.1**	**258.8**	**263.2**	**+1.7%**	**14.4%**
Former Soviet Union	505.0	529.7	558.6	570.4	596.6	599.0	565.4	534.3	493.5	-7.6%	27.1%
of which: Russian Federation	328.9	347.8	367.1	372.5	378.1	388.0	375.5	360.7	335.0	-7.1%	18.4%
Ukraine	85.3	87.1	92.4	93.4	115.0	109.3	93.2	83.6	73.2	-12.4%	4.0%
Others	90.8	94.7	99.2	104.5	103.4	101.8	96.6	90.0	85.3	-5.3%	4.7%
Czech R. & Slovakia	9.1	9.4	8.5	9.0	10.0	10.2	8.5	9.8	10.2	+3.4%	0.6%
Hungary	9.1	9.1	8.8	9.2	8.7	8.6	7.5	8.0	8.0	+0.7%	0.4%
Poland	9.5	9.8	9.7	9.5	8.9	7.9	7.8	8.1	8.2	+0.2%	0.4%
OtherEastern Europe	42.3	43.0	42.9	43.2	38.0	31.0	27.6	26.4	24.6	-6.9%	1.3%
TotalEastern Europe	**575.0**	**600.9**	**628.6**	**641.3**	**662.1**	**656.8**	**616.7**	**586.6**	**544.5**	**-7.2%**	**29.8%**
Total Middle East	**65.9**	**71.2**	**81.1**	**89.2**	**85.1**	**85.3**	**95.7**	**104.1**	**110.7**	**+6.4%**	**6.1%**
South Africa	-	-	-	-	-	-	-	-	-	-	-
Other Africa	24.9	25.1	27.5	29.3	30.1	31.2	33.0	35.0	36.8	+5.2%	2.0%
Total Africa	**24.9**	**25.1**	**27.5**	**29.3**	**30.1**	**31.2**	**33.0**	**35.0**	**36.8**	**+5.2%**	**2.0%**
Australia	13.8	14.0	14.3	15.7	16.5	15.3	15.2	15.7	17.0	+8.6%	0.9%
China	12.1	12.8	12.7	12.9	13.2	13.4	13.6	14.6	14.9	+2.3%	0.8%
India	5.5	5.7	6.6	9.6	11.2	12.7	14.3	14.7	15.7	+6.8%	0.9%
Indonesia	13.5	13.0	12.5	16.5	18.0	19.5	20.3	21.5	24.2	+12.7%	1.3%
Japan	36.7	38.0	40.3	43.1	46.1	49.2	50.4	50.7	54.3	+7.2%	3.0%
Malaysia	3.5	4.8	5.6	6.7	6.8	8.1	9.5	11.7	12.2	+4.3%	0.7%
New Zealand	3.6	3.4	3.7	3.9	3.9	4.2	4.4	4.3	4.0	-6.6%	0.2%
Rhilippines	-	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	1.0	1.4	1.4	-	0.1%
South Korea	0.1	2.1	2.7	2.6	3.0	3.5	4.6	5.7	7.6	+33.1%	0.4%
Taiwan	0.9	1.0	1.0	1.0	1.7	2.7	2.8	2.7	3.6	+30.7%	0.2%
Thailand	3.1	4.4	5.2	5.2	5.7	7.0	7.5	8.4	9.1	+8.3%	0.5%
Other Asia	13.1	14.1	15.1	15.5	16.5	16.8	18.1	19.4	20.3	+4.4%	1.1%
Total Asia & Australasia	**105.9**	**113.3**	**119.7**	**132.7**	**142.6**	**152.4**	**161.7**	**170.8**	**184.3**	**+7.9%**	**10.1%**
TOTALWORLD	**1503.5**	**1581.9**	**1660.5**	**1734.4**	**1767.8**	**1799.1**	**1798.7**	**1827.1**	**1824.2**	**-0.2%**	**100.0%**
of which: OECD	741.1	782.0	812.9	853.8	861.8	887.5	906.5	939.8	958.5	+2.0%	52.5%
Euro Union 12	194.8	206.7	202.3	209.6	216.0	229.2	229.5	243.3	246.1	+1.2%	13.5%
Other EMS**	187.4	199.0	219.0	239.3	243.9	254.8	275.5	300.7	321.2	+6.8%	17.6%

Source: BP Statistical Review of World Energy June 1995

†Less than 9.95

**Excludes Eastern Europe

Note: The discrepancy between world consumption and production statistics includes gas consumed in field operations, material impuritief and statistical measurement deviations.

PRODUCTIVITY OF PRODUCING WELLS IN SELECTED FIELDS IN OPEC MEMBER COUNTRIES - 19 9 4
(AS AT YEAR END)

COUNTRY	Average Depth (F eet)	WELLS			AV-Daily Production (000'bbl)	t/w/d
		Flowing	Artificial Lift	Total		
1	2	3	4	5	6	7
Algeria	8373	834	311	1145	752	90
Divided Zone	9120	179	96	275	N.A.	N.A.
Gabon	6747	139	266	405	297	100
Indonesia	3325	1301	7578	8879	1332	20
I.R. Iran	7790	900	-	900	3596	545
Iraq	N.A.	N.A.	N.A.	N.A.	749	N.A.
Kuwait	8718	730	-	730	2007	375
SP. Libyan A.J.	9884	749	478	1127	1390	168
Nigeria	9470	401	1426	1827	1821	136
Qatar	8044	296	11	307	379	168
Saudi Arabia	7700	1360	12	1372	8049	800
U.A.E.	9943	953	359	1312	2167	225
Venezueia	4639	1097	13425	14522	2368	22
Total OPEC	5404	8939	23962	32901	24907	103

t/w/d = Tonne/well/Day. * : Including production from Neutral Zone

N.A. = Not Available.

= Nil or negligible

Source = OPEC Annual statistical Bulletin 1994.

WORLD OIL REFINING CAPACITIES AT END 1985 T0 1994

(Million Tonnes Per Annum)

Country/Area	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	%change 1994 over 1993	%change ofTotal 1994
1	2	3	4	5	6	7	8	9	10	11	12	13
Mexico	67	67	75	75	83	83	76	76	75	75	-	2.0
USA	767	773	790	779	773	778	779	753	746	757	-1.4	20.2
Canada	103	103	93	92	92	93	95	97	92	92	-	2.5
Total North America	**937**	**943**	**958**	**950**	**948**	**955**	**950**	**926**	**914**	**924**	**1.1**	**24.7**
Argentina	33	33	34	34	34	34	34	35	35	33	-6.2	0.9
Brazil	68	63	64	66	68	68	68	69	74	76	3.2	2.0
Netherlands Antilles	16	16	16	16	16	16	23	23	24	24	2.7	0.6
Trinidad	13	15	15	15	15	12	12	12	13	13	-	0.3
Venezuela	61	61	63	60	58	61	61	61	59	59	-	1.6
Other S. Cent. America	92	93	93	95	101	103	99	101	102	100	-1.9	2.7
Total S. & Cant. America	**283**	**281**	284	286	291	294	**298**	302	306	**305**	**-0.4**	**8.1**
Belgiu	36	35	35	35	35	35	35	34	34	34	-	0.9
France	108	101	94	90	84	84	84	85	84	84	0.7	2.2
Germany	113	110	108	108	100	101	110	111	112	113	1.1	3.0
Italy	128	127	123	117	116	114	114	119	111	118	6.1	3.2
Netherlands	69	69	69	69	63	62	62	62	62	62	-	1.7
Spain	62	62	62	62	62	62	62	62	62	62	-	1.7
United Kingdom	93	91	90	91	91	92	92	92	92	92	-	2.5
Other Western Europe	136	134	140	142	142	143	143	143	147	147	-	3.9
Total Western Europe	**744**	**728**	**722**	**714**	**693**	**693**	**703**	**708**	**705**	**713**	**1.2**	**19.1**
FormerSovietUnion	596	609	609	610	611	611	611	504	502	508	1.3	13.6
Other Non-OECD Europe	122	126	128	133	148	148	147	137	135	130	-4.0	3.5
Total Eastern Europe	**718**	**735**	**736**	**743**	**759**	**759**	**758**	**638**	**637**	**638**	**0.2**	**17.1**
Behrain	12	12	12	12	12	12	12	12	12	12	-	0.3
Iran	26	26	26	26	26	36	36	49	52	53	1.8	1.4
Iraq	16	16	16	16	16	16	16	16	20	26	27.7	0.7
Kuwait	31	31	31	41	41	41	8	17	28	37	31.1	1.0
Saudi Arabia	55	56	68	68	74	92	93	93	80	82	2.9	2.2
Other Middle East	48	50	52	52	52	52	51	53	53	51	-3.8	1.4
Total Middle East	**189**	**191**	**206**	**216**	**221**	**249**	**216**	**240**	**246**	**262**	6.3	**7.0**
Total Africa	**127**	**127**	**131**	**140**	**139**	**142**	**142**	**138**	**140**	**142**	**1.3**	**3.8**
China	107	108	111	116	123	143	143	151	166	170	2.4	4.5
Indonesia	36	36	36	37	37	37	39	40	39	39	-0.1	1.0
Japan	247	234	227	217	208	218	229	235	239	241	0.8	6.4
Singapore	51	48	43	46	50	53	54	55	58	58	3.6	1.5
South Asia	57	61	64	64	65	67	67	63	65	66	0.7	1.7
Of which India*	37.8	45.6	46.7	48.7	51.8	51.8	51.8	51.8	52.75	53.4	1.2	1.4
OtherAsia	58	63	63	57	64	64	71	75	78	78	0.7	2.1
Australsia	35	37	36	37	37	36	36	37	38	38	0.5	1.0
South Korea	35	35	35	38	37	37	46	65	75	76	1.5	2.0
Total Asia & Australasia	**626**	**621**	**615**	**612**	**622**	**656**	**686**	**723**	**756**	**764**	**1.1**	**20.2**
Total World	**3624**	**3627**	**3653**	**3657**	**3675**	**3749**	**3753**	**3681**	**3705**	**3748**	**1.2**	**100.0**

* : As on 1 st April each year (P) = Provisional.
Soure: BP Statistical review of World Energy June 1995.

WORLD REFINERY CRUDE THROUGHPUT 1984-1994

(Million Tonnes Per Annum)

Country/Area	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	% change 1994 over 1993	% Share of total 1994
U.S.A.	600	596	631	638	659	665	666	660	667	676	689	1.9	22.2
Canada	71	69	69	71	76	77	79	76	74	77	78	1.3	2.5
Mexico	63	64	65	67	68	71	74	75	74	76	80	4.2	2.6
S. & Cent. America	228	213	214	219	231	236	238	232	236	240	244	1.7	7.9
Western Europe	511	495	522	516	535	577	591	622	642	648	646	-0.3	20.8
Eastern Europe	598	582	595	597	601	593	558	501	410	351	306	-12.6	9.9
Middle East	165	182	187	195	212	216	215	189	215	240	256	6.8	8.2
Africa	89	92	95	99	104	108	117	117	117	116	120	3.4	3.8
Australia	31	29	29	32	34	35	35	37	37	37	39	4.6	1.3
China	88	89	93	97	101	105	107	113	122	128	125	-1.8	4.0
Japan	167	155	148	144	149	158	171	181	193	198	207	4.6	6.7
South Asia	44	51	56	57	57	61	61	60	64	64	67	4.7	2.1
Other Asia	124	133	139	138	158	169	181	200	221	236	247	4.6	8.0
Total World	**2778**	**2749**	**2844**	**2873**	**2985**	**3071**	**3094**	**3065**	**3073**	**3086**	**3104**	**0.6**	**100.0**
of which : OECD	1443	1407	1464	1469	1520	1582	1616	1652	1688	1712	1738	1.5	56.0
EMCs*	738	759	783	806	864	895	920	912	975	1023	1059	3.5	34.1

* Excludes Eastern Europe.

Source: BP Statslic Review of the World Energy, June 1995.

COUNTRY-WISE WORLD OIL CONSUMPTION 1985-1994

(Million Tonnes)

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	Change 1994 over 1993	1994share of total
USA	720.2	749.3	764.8	796.7	795.3	781.8	765.6	782.2	789.3	**807.9**	+2.3%	25.5%
Canada	63.5	71.0	73.1	76.8	80.3	77.7	74.8	74.9	77 0	**79 5**	+ 3 2 /%	2.5%
Mexico	57.8	57.3	60.5	60.6	64.9	67.8	70.4	70.6	71 4	**76.6**	+7.4%	2.4%
Total NorthAmerica	846.5	877.6	898.4	934.1	940.5	927.3	910.8	927.7	937.7	**964.0**	+2.8%	30.4%
Argentia	19.0	20 5	21.8	21.8	19.8	18.5	19.3	19.7	19.7	**19.6**	- 0.6%	0.6%
Brazil	51.7	56.3	57.6	58.9	59.5	58.4	59 0	62.1	62.9	**66.7**	+6.2%	2.1%
Venezuela	17.2	18.1	18.1	18.9	17.9	1B.3	18.5	1.96	19.4	**19.6**	+ 1.2%	0.6%
Other S. & Cent. America	61.1	62.2	64.2	67.0	71.0	71.3	71 ;9	75.0	77.3	**80.4**	+ 4.1%	2.5%
Total S. & Cent. America	149.0	157.1	161.7	166.6	168.2	166.5	168.7	176. 4	179 3	**186. 3**	+ 4.0%	5.8%
Austria	9.8	10.4	I0.7	10.6	10.4	10.8	11.6	1I.3	1I. 4.	**11.3**	- 1.0%	0.4%
Belgiuim & Luxemboug	20.8	23.5	23.7	24.4	24.4	24.8	26.5	27.I	26 5	**26.8**	+ 1.2%	0.8%
Denmark	I0.7	10.5	9.6	9.5	9.2	9.0	9.1	9.0	9.5	**10.1**	+ 6.6%	0.3%
Finland	10.8	11.3	11.2	11.0	11.0	11.0	10.6	10.3	9.9	**10.4**	+ 4.7%	0.3%
France	84.3	86.0	86.6	86.0	88.4	89.4	94.6	94.4	91.1	**90 5**	- 0 6%	2.9%
Germany	126.3	133.3	129.5	129.4	121.6	127.3	133.1	134.3	136.3	**135.1**	- 0 9%	4.3%
Greece	12 0	12.2	13.2	13.7	15.0	15.7	15 8	16.1	16.7	**17.2**	+ 3 5%	0.5%
Iceland	0.5	0.5	0.6	0.6	0.7	0.6	0.6	0.7	0.7	**0.7**	+ 0 1%	+
Republic of Ireland	3.9	4.9	4.3	3.8	4.0	4.4	4.9	5.1	5.1	**5.2**	+ 0.4%	0.2%
Italy	84.4	86 5	90.I	91.7	93.8	93.6	92.4	93.5	92.1	**92.3**	+ 0.2%	2.9%
Netherlands	29.2	32.4	32.4	34.5	33.9	35.0	35.8	36.5	36.4	**36.3**	- 0.2%	1.1%
Norway	9.0	9.3	9.7	9.2	9.0	9.2	8.7	9.0	9 5	**9.8**	+ 2.9 %	0.3%
Portugal	8.8	9.5	8 9	3.7	11.3	11.1	11.5	12.8	12.0	**11.6**	- 3.3%	0.4%
Spain	42.9	42.7	44.7	45.8	48.1	48.7	49.4	52.8	51.3	**53.5**	+ 4.2%	1.7%
Sweden	18.4	18.7	17.1	16.3	16.5	16.4	15.5	16.4	16.1	**16.8**	+ 4.4%	0.5%
Switzerland	12.0	13.2	12.4	I2.4	I I.9	12.8	I3.0	13. I	12.3	**12.7**	+ 3.4%	0.4%
Turkey	16.8	18.3	21.0	22.3	20.8	22.1	22.1	23.5	27.0	**25.8**	- 4 3%	0.8%
United Kingdom	77.4	77.4	75.2	80.0	81.7	82.9	82.7	83.7	84.1	**83.1**	- 1.2%	2.6%
Cyprus, Gibraltar & Malta	1.7	2.0	2.3	2.5	2.5	2.7	2.7	3.4	3.3	**3.3**	+ 0.4%	0.1%
Total Western Europe	579.7	602.6	603.2	612.4	614.2	627.5	640.6	653.0	651.3	**652.5**	+ 0.2%	**20.5%**
Former Soviet Union	*416.5*	*418.2*	*420 2*	*414.6*	*413.4*	*420.1*	*397.6*	*343.0*	*272.0*	***231.8***	*-14.8%*	*7.3%*
of which:												
Russian Federation	244.5	247.6	249.8	248.0	252.8	249.7	243.4	224.4	188.6	**162.7**	-13.7%	5.1%
Ukraine	63.0	63.3	65.9	60.6	58.0	63.0	57.5	42.6	24.8	**19.8**	- 20.2%	0.6%
Others	109.0	107.3	104.5	106.0	102.6	107.4	96.7	76.0	58.6	**49.3**	- 15.9%	1.6%
Czech Rep. & slovakia	16.8	16.1	16.1	15.6	14.7	13.1	11.2	10.2	10.2	**10.5**	+ 2.8%	0.3%
Hungary	10.3	9.5	I O .0	9.2	8.9	9.3	8.0	8.1	7.7	**7.9**	+ 2.9%	0.3%
Poland	16.4	16.9	17.1	17.5	17.3	15.8	I4.9	13.6	14.0	**14 7**	+ 4.4%	0.5%
Other Eastern Europe	40.2	43.3	44.9	46.1	45.6	44.9	36.0	26.7	24.4	**26 0**	+ 6 4%	0.8%
Total Eastern Europe	**500.2**	**504.0**	**508.3**	**503.0**	**499.9**	**503.2**	**467.7**	**401.6**	**328.3**	290.9	**-11.4%**	**9.2%**
Total Middle East	**144.7**	**143.6**	**I49.1**	**I47.5**	**152.6**	**162.7**	**164.2**	**168.3**	**172.0**	**179.8**	**+ 4.5%**	**5.7%**
South Africa	14.1	13.6	14.4	15.9	16.5	16.6	16.7	17.3	18.0	**18.8**	+4.5%	0.6%
Other Africa	68.2	66.8	69.6	71.7	76.1	79.8	80.2	81.3	80.2	**80.9**	+ 0.9%	2.6%
Total Africa	82.3	80.4	84.0	87.6	92.6	96.4	96.9	98.6	98.2	**99.7**	+ 1.5%	3.2%
Australia	27.0	28.2	28.7	29.9	31.1	31.6	30.8	30.9	32.7	**34.1**	+ 4 3%	1.1%
China	90.3	100.0	105.3	110.2	112.3	110.3	117.9	129.0	140.5	**144.1**	+ 2 6%	4.5%
India	43.3	45.5	47.0	51.5	55.8	57.9	58.9	62.1	63.1	**67.6**	+ 7.1%	2.1%
Indonesia	22.0	22.1	24.1	25.2	26.9	31.0	32.4	35.2	37.7	**39 9**	+ 6.0%	1.3%
Japan	206.3	208.5	209.2	224.7	232.9	247.7	252.1	258.5	252.7	**268.7**	+ 6.3%	8.5%
Malaysia	9.4	9.4	9.6	10.1	10.9	13.0	13.9	14.0	14.4	**15.5**	+ 7.3%	0.5%
New Zealand	3.8	4.0	4.3	4.4	4.5	4.8	5.1	5.8	5.6	**5.8**	+ 3.3%	0.2%
Philippines	7.4	7 8	9.1	9.8	11.0	11.5	11.1	13.7	14.1	**15.1**	+ 7.1%	0.5%
Singapore	11.8	13.9	14.2	16.5	18.9	19.5	19 9	21 0	22.3	**23.7**	+ 6.1%	0.7%
South Korea	25.2	27.4	29.0	34.7	39 9	48.7	58.7	70.9	77.5	**85.1**	+ 9.9%	2.7%
Taiwan	17.2	19.2	20.2	23.6	26.1	26.9	27.8	28.6	30.5	**32.4**	+ 6.2%	1.0%
Thailand	11.0	11.3	12.8	14.5	17.0	19.6	21.4	23.6	26.8	**29.3**	+ 9.4%	0.9%
Other Asia	25.8	26.3	27.0	28.2	29.0	30.8	30.5	33.6	35.9	**37.9**	+ 5.7%	1.2%
Total Asia & Australasia	500.5	523.6	540.5	583.3	616.3	653 3	680.5	726.9	753.8	**799.2**	+ 6.0%	25.2%
TOTAL WORLD	2802.9	2888.9	2945.2	3034.5	3084.3	3136.9	3129.4	3152.5	3120.6	**3172.4**	+ 1.7%	100.0%
of which: OECD	1661.6	1718.9	1741.5	1803.0	1820.7	1836.2	1836.7	1872.5	1876.7	**1921.8**	+ 2.4%	60.6%
Euro. Union 12	500.7	518.9	518.2	527.5	531.4	541.9	555.8	565.3	561.1	**561.7**	+ 0.I%	17.7%
Other EMEs^	639.4	664.0	693.1	726.0	761.2	794.8	822.3	875.0	912.3	**956.4**	+ 4.8%	30.1 %

*Inland demand plus international aviation and marine bunkers and refinery fuel and loss

+ Less than 0.05

^ Excludes Eastern Eueope

Note: Differences between these world consumption figures and world production statistics on page 4 are accounted for by stock changes, statistical differences and oil 'Unidentified' (see table on p 17)

PRODUCT-WISE REGIONAL CONSUMPTION OF MAIN PETROLEUM PRODUCTS DURING 1985-1994

(Million Tonnes)

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	Change 1994 over 1993	1994share of total
USA												
Gasolines	305.4	314.3	325.2	333.8	335.6	329.5	324.2	331.2	335.5	**338.6**	+0.9%	41.9%
Middle distillates	204.8	213.4	218.6	229.7	231.7	230.5	225.3	228.9	234.7	**246.3**	+4.9%	30.5%
Fuel oil	67.3	78.2	69.4	76.0	75.0	67.2	63.0	59.4	58.3	**53.9**	—7.5%	6.7%
Others	142.6	143.5	151.6	157.2	153.1	154.6	153.1	162.7	160.8	**169.1**	+5.2%	20.9%
Total USA	720.1	749.4	764.8	796.7	795.4	781.8	765.6	782.2	789.3	**807.9**	+2.3%	100.0%
Canada												
Gasolines	27.7	29.2	29.2	28.3	28.7	28.4	27.4	23.6	25.3	**26.8**	+6.1%	33.8%
Middle distillates	22.2	22.6	22.8	24.2	25.1	24.0	22.4	23.8	24.5	**26.1**	+6.6%	32.9%
Fuel oil	5.6	6.4	7.1	7.7	9.4	8.7	7.7	8.3	7.5	**6.9**	**—8.6%**	8.6%
Others	13.0	12.9	13.9	16.5	17.1	16.6	17.3	19.1	19.7	**19.6**	—0.4%	24.7%
Total Canada	68.5	71.1	73.0	76.7	80.3	77.7	74.8	74.8	77.0	**79.4**	+3.2%	100.0%
Mexico												
Gasolines	15.3	15.8	16.6	17.2	19.3	20.6	22.0	22.0	22.3	**22.7**	+2.2%	29.7%
Middle distillates	12.2	11.4	11.6	11.2	11.6	12.3	13.0	13.4	14.0	**14.5**	+3.7%	18.9%
Fuel oil	19.4	19.8	22.0	21.9	23.3	23.5	22.7	21.8	21.2	**25.1**	+18.6%	32.7%
Others	10.9	10.3	10.3	10.4	10.7	11.4	12.7	13.5	14.0	**14.3**	+2.3%	18.7%
Total Mexico	57.8	57.3	60.5	60.7	64.9	67.8	70.4	70.7	71.5	**76.6**	+7.4%	100.0%
Western Europe												
Gasolines	139.6	146.2	149.3	154.5	156.6	163.3	163.8	165.7	163.4	**163.2**	—0.1%	25.0%
Middle distillates	228.5	239.4	241.5	244.6	242.9	248.7	259.9	262.1	265.5	**266.8**	+0.5%	40.9%
Fuel oil	121.6	122.6	115.5	111.7	112.2	111.8	110.8	114.9	112.5	**110.0**	—2.2%	16.9%
Others	89.8	94.1	96.7	101.4	102.3	103.6	106.1	110.5	109.9	**112.7**	+2.5%	17.2%
TotalWestern Europe	579.5	602.3	603.0	612.2	614.0	627.4	640.6	653.2	651.3	**652.7**	+0.2%	100.0%
Japan												
Gasolines	41.5	43.1	44.4	46.7	49.4	51.0	52.8	55.9	56.4	**60.2**	+6.6%	22.4%
Middle distillates	63.6	66.6	69.5	76.8	79.2	83.1	86.5	88.4	89.6	**92.2**	+3.0%	34.3%
Fuel oil	62.4	59.2	56.9	61.8	62.9	71.0	68.9	68.4	60.0	**69.7**	+16.2%	25.9%
Others	38.8	39.6	38.5	39.4	41.3	42.6	43.9	45.9	46.7	**46.6**	—0.3%	17.4%
Total Japan	206.3	208.5	209.3	224.7	232.8	247.7	252.1	258.6	252.7	**268.7**	+6.3%	100.0%
Australasia												
Gasolines	13.5	13.4	13.5	14.0	14.5	14.7	14.6	15.5	14.9	**15.2**	+2.4%	38.2%
Middle distillates	10.4	10.9	11.5	12.1	12.6	12.9	13.0	13.2	14.4	**15.0**	+3.8%	37.5%
Fuel oil	2.9	2.6	2.5	2.5	2.7	2.4	2.5	2.1	2.1	**2.7**	+27.1%	6.7%
Others	3.9	5.2	5.5	5.7	5.8	6.4	5.8	5.8	6.9	**7.0**	+1.8%	17.6%
Total Australasia	30.7	32.1	33.0	34.3	35.6	36.4	35.9	36.6	38.3	**39.9**	+4.1%	100.0%
Asian EMEs												
Gasolines	37.9	41.3	46.7	49.3	54.3	64.8	69.6	78.3	84.6	**96.3**	+13.8%	19.6%
Middle distillates	104.3	112.9	114.8	125.5	135.9	143.1	152.8	169.6	186.1	**198.3**	+6.5%	40.4%
Fuel oil	86.7	89.1	94.4	103.5	111.4	112.0	118.0	126.3	132.7	**134.7**	+1.5%	27.5%
Others	34.3	39.7	42.4	46.1	46.1	49.5	52.1	57.5	59.3	**61.3**	+3.4%	12.5%
Total Asian EMEs	263.2	283.0	298.3	324.4	347.7	369.4	392.5	431.7	462.7	**490.6**	+6.0%	100.0%
Non-Asian EMEs excl. E. Europe												
Gasolines	75.9	77.2	78.3	79.6	83.1	86.1	87.8	90.9	93.6	**97.7**	+4.4%	21.0%
Middle distillates	138.3	138.5	144.0	143.9	148.5	152.9	155.6	159.5	164.3	**170.8**	+4.0%	36.7%
Fuel oil	105.4	107.7	110.1	111.2	114.3	115.8	117.0	114.6	113.1	**114.8**	+1.5%	24.7%
Others	56.4	57.7	62.4	67.0	67.5	70.9	69.4	78.2	78.5	**82.5**	+5.2%	17.6%
Total Non-Asian EMEs	376.0	381.1	394.8	401.7	413.4	425.7	429.8	443.2	449.5	**465.8**	+3.6%	100.0%
OECD & EMEs excl. E. Europe												
Gasolines	656.8	680.3	702.9	723.2	741.1	758.1	762.0	782.9	795.7	**820.4**	+3.1%	28.5%
Middle distillates	783.8	815.1	833.7	867.2	886.8	906.7	927.7	958.0	992.1	**1029.0**	+3.7%	35.8%
Fuel oil	470.4	484.5	476.6	494.9	509.8	510.9	509.0	513.8	505.4	**515.8**	+2.1%	17.9%
Others	389.6	402.8	421.2	443.4	443.8	455.3	460.3	493.0	495.6	**512.9**	+3.5%	17.8%
Total OECD & EMEs	2300.6	2382.7	2434.4	2528.7	2581.5	2631.0	2659.0	2747.7	2788.8	**2878.1**	+3.2%	100.0%

Note:

'Gasolines' consists of aviation and motor gasolines and light distillate feedstock (LDF)
'Middle distillates' consists of jet and heating kerosines, and gas and diesel oils (including marine bunkers)
'Fuel oil' includes marine bunkers
'Others' consists of refinery Gas, LPGs, solvents, petroleum coke, lubricants, bitumen, wax and refinery fuel and loss.
P:Provisional Source:BP Statistial review of World Energy June, 1995.

OECD Members

Europe : Austria, Belgium, Denmark, Finland, France excluding USSR, Cambodia, Germany, Greece, Iceland, Republic of Ireland, Italy, Netherland, Norway, Portugal Spain, Sweden, Switzerland, Turkey, United Kingdom

Other member countries: Australia, Canada, Japan, New Zealand, USA

LDCs

Non- OECD countries

China, Central Europe, Cuba, Laos, Mongolia, North Korea and Vietnam.

OECD & LDCs

Equivalent to 'Non-Communist World (NCW) grouping of previous Reviews.

WORLD OIL PRODUCTION, CONSUMPTION AND RELATIVE DEFICIT/SURPLUS IN EACH REGION/COUNTRY DURING 1994 & 1990

(Million Tonnes)

Country/Region	1994				1990			
	Produ-ction	Consum ption	Deficit/ Surplus	% extent of depen-dence.	produ-ction	Consum-ption	Deficit/ Surplus	% extent of depen dence
1	2	3	4	5	6	7	8	9
North America (Including Canada)	652.5	964.0	-311.5	-32.3	514.1	859.5	-345.4	-40.2
Latin America	267.2	186.3	80.9	43.4	372.6	236.1	136.5	57.8
OECD Europe	286.7	652.5	-365.8	-56.1	201.7	624.8	-423.1	-67.7
Middle East	956.8	179.8	777.0	432.1	845.0	162.8	682.2	419.0
Africa	329.6	99.7	229.9	230.6	312.6	96.6	216.0	223.6
Asia	313.8	759.3	-445.5	58.7	293.5	621.2	-327.7	-52.8
Of which India	33.6	67.6	-34.0	50.3	33.9	57.9	-24.0	-41.5
Japan	-	268.7	-268.7	-100.0	-	247.7	-247.7	-100.0
China	144.9	144.1	0.8	0.6	138.3	110.3	28.0	25.4
Australasia	26.9	39.9	-13.0	-32.6	28.5	31.6	-3.1	-9.8
Non-OECD Europe	375.5	290.9	84.6	29.1	585.8	507.5	78.3	15.4
Former Soviet Union	361.8	231.8	130.0	56.1	570.5	420.1	150.4	35.8
Total World:	**3209.1**	**3172.4**	**36.7**	**1.2**	**3153.9**	**3140.1**	**13.8**	**0.4**

(P) = Provisional.

Source: B.P. Statistical Review of World EnergyJune.1995.

WORLD CRUDE OIL & PETROLEUM PRODUCTS IMPORTS/EXPORTS-1994

(Million Tonnes)

Country/Area	IMPORTS		EXPORTS	
	Crude	Products	Crude	Products
1	2	3	4	5
U.S.A	349.9	91.0	5.2	40.1
Canada	30.5	7.1	51.2	14.2
Mexico	—	8.5	66.3	4.3
South Central America	60.0	10.5	83.6	48.6
Western Europe	404.2	82.4	53.8	35.0
Eastern Europe	26.1	9.6	71.3	33.7
Middle East	6.0	2.4	718.5	99.7
North Africa	6.7	5.1	100.6	30.2
West Africa	1.8	5.5	130.6	2.5
East & Southern Africa	19.2	4.2	—	0.2
South Asia	35.4	23.7	0.3	1.6
Other Asia	166.3	59.7	53.2	34.0
Japan	232.4	45.2	—	6.6
Australasia	18.8	2.7	7.1	5.0
China	12.3	14.4	19.4	2.7
Unidentified*	6.0	6.0	14.2	19.7
Total World	**1375.6**	**378.0**	**1375.6**	**378.0**

* Includes changes in the quantity of oil in transit, movements not otherwise shown, unidentified military use, etc.

Notes:

(i) Bunkers are not included as exports.

(ii) Intra-area movements (for example between individual countries in OECD Europe) are excluded.

SOURCE: BP Statistical Review of World Energy, June 1995.

EXPORTS OF CRUDE OIL AND REFINED PRODUCTS FROM OPEC MEMBER COUNTRIES.

(Million Tonnes)

Country	1980	1985	1987	1988	1989	1990	1991	1992	1993	1994
1	2	3	4	5	6	7	8	9	10	11
				CRUDEOIL:						
Algeria	35.6	13.5*	11.9*	12.1*	13.9	13.9*	17.1	13.9r	15.3	16.4
Ecuador	5.4	9.6	6.2	9.4	8.7	8.5	8.9	NR	NR	NR
Gabon	7.5	8.1	6.9	7.3	8.6	11.9*	13.8	13.6	14.8	15.5*
Indonesia	49.2	35.0	34.8	32.2	33.5	34.0	39.7	32.6r	33.9r	39.5
Iran,IR	39.7	77.9*	84.9*	84.4*	100.5	110.2*	120.1*	126.2*	129.5*	132.0*
Iraq	123.5	53.9*	85.2*	104.3	112.2*	79.2*	2.1r	3.0*	2.9*	3.0*
Kuwait	64.5	23.6	30.1*	34.8*	42.2*	32.0*	4.2*	34.7*	71.7	62.9
Libya	84.3	44.4*	40.2*	44.3*	43.3*	54.1-	60.6*	58.7*	55.3*	56.0*
Nigeria	97.6	66.2	52.9	55.3*	75.7	76.9*	79.9*	78.9*	77.5	79.2*
Qatar	23.2	13.9	12.6*	15.2*	15.9*	17.3	16.7	18.1	17.0	16.1
Saudi Arabia	459.1	106.8	120.0	150.8	165.6	223.4r	324.0r	328.6r	313.4	310.4
U.A.E	84.5	48.5*	62.0*	66.9*	81.9*	94.1*	109.0*	102.9*	98.1*	97.3*
Venzuela	64.1	41.0	51.0	48.4	49.0	61.7	68.6r	71,4r	76.7r	84.5
TOTAL:	**11 38.2**	**542.4**	**598.7**	**665.4**	**751.0**	**817.2**	**864.6**	**881.9**	**906.1**	**912.7**
				REFINEDPETROLEUM PRODUCTS:						
Algeria	7.4	15.9*	18.1*	18.7*	19.6	22.5*	19.9	20.9*	18.7	19.1
Ecuador	1.1	0.7	0.8	1.2	1.1	1.3	1.2	NR	NR	NR
Gabon	0.5	0.2*	0.1*	0.1	Neg.	0.1*	0.2	0.3	0.3	0.3*
Indonesia	8.1	7.4	9.3	10.2	11.5	11.9	11.5	12.7	11.8r	12.4
Iran, IR	7.0	2.0*	0.1*	0.4*	1.9*	3.0*	4.4*	3.5*	3.5*	3.7*
Iraq	1.7	0.6*	5.5*	5.5	7.2*	4.0*	-	0.8*	0.9*	1.0*
Kuwait	17.1	24.5	27.5*	31.6*	34.3*	18.9*	2.0*	12.8*	20.9	31.0
Libya	3.6	4.5*	5.5*	4.5*	6.3*	7.5*	7.0*	8.5*	7.1*	6.5*
Nigeria	3.7	1.0	0.8	1.0*	1.5	1.5*	1.5	1.5*	1.6	1.2*
Qatar	0.1	1.4*	2.0*	1.0*	3.7*	3.7*	4.1	5.2	5.8	5.1*
Saudi Arabia	20.6	28.5	50.7	56.8	53.4	64.8r	60.9r	64.3r	69.0	67.7
U.A.E	1.0	4.6*	5.7*	5.8*	7.7*	8.2*	8.5*	8.6*	8.0*	7.7*
Venzuela	28.1	26.3	23.7	31.0	30.8	30.7	35.3	30.7r	31.6r	31.5
TOTAL	**100.0**	**117.6**	**149.8**	**169.0**	**179.2**	**177.8**	**156.3**	**169.8**	**179.2**	**187.4**

* Provisional or estimated figures, as of July 12, 1994

r = Revised

NR = Not reported

Note: Ecuador withdrew its membership of OPEC at end 1992

Source OPEC Annual Statistical Bulletin 1994

CRUDE OIL IMPORTS FROM OPEC MEMBER COUNTRIES BY REGIONS I980-1994

(Million Tonnes)

IMPORT REGION	1980	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
North America	210.7	79.6	66.2	65.2*	60.9-	107.2*	124.4*	135.8	170.9*	190.9	189.6	176.5	189.8	198.4
Of which USA	188.0	70.2	60.8	60.4	56.3	99.9	118.6	130.3	162.6	181.0	179.6	172.2	182.0	187.9
Latin America	111.6	68.9	60.5	56.5*	45.4*	40.9*	32.6*	37.3	33.6*	35.9*	33.7	43.0	38.9	40.7
Western Europe	453.1	275.6	232.8	233.1*	223.3*	261.7*	218.6*	235.9	259.7*	272.7*	279.0	278.4	279.6	265.4
Of which:														
France	100.0	57.0	44.1	44.9	37.3	42.8	25.8	29.2	35.1	40.0	44.9	44.5	52.4	46.1
Germany	65.8	40.2	32.5	25.1	20.6	25.9	23.2	27.9	32.3	35.0	36.8	36.9	31.2	37.2
Italy	67.5	61.0	52.7	51.2	49.3	56.8	49.5	44.2	48.7	56.4	61.3	56.9	55.8	46.8
U.K.	34.5	18.5	12.4	9.6	10.5	12.7	9.1	11.9	10.2	14.7	14.2	13.5	17.3	11.5
Middle East	21.8	23.8	19.2	18.5	19.1*	21.1*	15.2*	13.9	14.1*	14.9*	14.2	15.4	14.8	15.6
Africa	16.2	10.1	7.5	8.3*	8.2*	9.8*	11.0*	9.9	11.6*	14.7*	17.8	14.1	14.0	14.9*
Asia and Far East	285.3	225.4	212.2	192.4*	162.2*	167.3*	164.8*	193.1	224.4*	257.1*	299.6	331.3	346.3	359.7*
Of which:														
Japan	176.2	138.4	134.0	134.9	114.4*	107.6	113.7	115.6	133.2	147.6	155.6	162.6	169.3	179.8
Oceania	10.6	9.1	5.3	4.8*	2.3*	3.1*	5.7*	4.3	7.0	5.9	6.5	8.4	10.6	9.2
Eastern Europe	17.2	8.6	6.0	9.8	11.0*	21.9*	20.2	23.5	25.7*	16.5*	11.4	12.0	7.1	8.7
Unspecified	6.2	2.8	3.1	2.6	0.4	-	-	2.1	-	-	3.6	-	5.0	—
OECD Area	850.6	502.6	438.4	438.0	393.6	475.1	456.9	484.3	561.7	608.4	624.1	635.0	662.3	646.0
TOTAL WORLD 912.7*evised.	1132.7	703.9*	612.9*	591.2*	532.8*	632.6*	592.5*	656.0*	747.0-	808.7*	855.6*	879.1r	906.1*	

r = Revised
Source = OPEC Annual Statistical Bulletin 1994.
Note: Figures Converted to million tonnes using conversion factor: 1 barrel = 0.136 Metric tonnes
* = provisional or estimated figures, as of July 12.1995
- = Nil or Nealiaible

OPEC Member Countries' Crude Oil Exports by Destination 1994

DESTINATION/ COUNTRY	Algeria	Gabon	Indonesia	Iran	Iraq	Kuwait	Libya	Nigeria	Oatar	Saudi Arabia	UAE	Venezuela
1	2	3	4	5	6	7	8	9	10	11	12	13
North America	33.0	218.1	96.1	10.4	—	338.8	—	728.0	—	1428.5	23.6	1109.7
Latin America	4.6	7.7	—	80.0	—	60.0*	—	65.0	4.7	165.4	10.0	420.9
Eastern Europe	9.5	—	—	150.0	—	—	15.0	—	—	—	—	—
Western Europe	279.2	61.7	—	1165.0	—	272.7	1070.0	610.0	—	1648.7	61.7	160.2
Middle East	—	—	—	30.0	60.0	—	—	—	—	223.3	—	—
Africa	2.9	3.5	—	60.0	—	10.0*	20.0	77.0	—	96.3	30.0	—
Asia and Far East	—	20.0	660.8	1149.7	—	577.2*	20.0	110.0	305.9	2622.9	1751.6	5.6
Oceania	—	—	35.7	4.9	—	4.8	—	—	12.0	48.5	78.1	—
Unspecified	—	—	—	—	—	—	—	—	—	—	—	—
OECD	276.6	291.5	520.9	1522.0	—	910.2	1068.0	1338.0	302.6	4090.6	1376.3	1275.5
Total World	**329.2**	**311.0***	**729.6**	**2650.0***	**60.0***	**1263.5**	**1125.0***	**1590.0***	**322.6**	**6233.6**	**1955.0***	**1696.4**

Source: OPE Annual Statistical Bulletin 1994.

* Prnviainnal or estimated fiaures, as of July 121995

OIL REVENUES OF OPEC MEMBER COUNTRIES: 1974-1984

(Billion US$)

OPEC MEMBER COUNTRIES	1974	1978	1979	1980	1981	1982	1983	1984
1	2	3	4	5	6	7	8	9
Algeria	3.30	4.59	7.52	12.50	10.70	8.50	9.70	9.70
Ecuador	0.41	0.40	0.80	1.39	1.56	1.18	1.10	1.60
Gabon	0.17	0.50	0.90	1.80	1.60	1.50	1.50	1.40
Indonesia	1.37	5.20	8.10	12.86	14.39	12.70	9.66	10.40
Iran	17.82	19.30	20.50	13.50	9.30	17.60	20.00	16.70
Iraq	5.70	10.20	21.29	26.10	10.40	9.50	8.40	10.40
Kuwait	6.54	7.95	16.86	17.90	14.90	9.48	9.90	10.80
Libya	6.00	8.40	15.22	22.60	15.60	14.00	11.20	10.40
Nigeria	6.66	7.90	15.90	23.41	16.72	13.09	10.10	12.40
Qatar	1.45	2.20	3.08	4.80	4.72	3.15	3.00	4.40
Saudi Arabia	22.57	32.23	57.52	102.21	113.20	76.00	46.10	43.70
U.A.E.	5.54	8.20	10.86	19.50	18.70	16.00	12.80	13.00
Venezuela	9.27	7.32	11.96	16.34	17.40	13.54	13.50	13.70
TOTAL:	**85.80**	**114.39**	**192.51**	**274.91**	**249.19**	**196.24**	**156.96**	**158.60**

VALUE OF PETROLEUM EXPORTS@ FROM OPEC MEMBER COUNTRIES: 1980-1994

(Billion US $)

OPEC MEMBER COUNTRIES	1980	1983	1984	1986	1988	1989	1990	1991	1992	1993	1994
1	2	3	4	5	6	7	8	9	10	11	12
Algeria	12.65	9.47	9.19	4.82	4.99	7.00	9.59	8.46	7.89	6.90	6.36
Ecuador	1.55	1.58	1.78	0.98	0.98	1.15	1.26	1.03	NA	NA	NA
Gabon	1.74	1.65	1.68	0.72	0.78	1.20	1.97	1.74	1.71	1.51	1.67
Indonesia	12.85	13.48	12.10	5.17	5.19	6.06	6.48	5.75	5.85	4.56	5.22
Iran	13.29	19.02	12.26	6.26	9.21	10.81	14.57	15.28	15.70	14.24	15.07
Iraq	26.10	7.82	9.35	6.91	10.95	11.88	9.46	0.38	0.33	0.36	0.33
Kuwait	17.68	9.74	10.74	6.38	6.39	9.31	6.39	0.88	6.22	9.99	10.43
Libya	21.38	11.86	10.59	5.44	5.17	7.50	9.80	10.03	9.20	7.61	7.14
Nigeria	25.29	10.06	11.75	6.01	6.27	7.47	13.20	12.15	11.69	11.02	10.03
Qatar	5.41	3.11	4.39	1.72	1.71	1.96	2.96	2.19	3.20	2.59	2.42
Saudi Arabia	105.81	42.81	34.24	16.98	20.21	24.10	40.13	43.66	47.56	41.35	37.53
U.A.E.	19.56	12.24	12.98	7.45	7.35	11.30	15.60	14.77	14.49	12.09	12.20
Venezuela	17.56	13.86	14.82	7.18	8.16	10.00	13.95	12.31	11.21	10.57	10.34
TOTAL:	**280.86**	**156.69**	**145.87**	**76.01**	**87.35**	**107.57**	**144.09**	**127.57**	**135.05**	**122.79**	**118.70**

SOURCE: OPEC Annual Statistical Bulletin - 1994

@ = Where applicable, petroleum product exports are included. Data for some countries may include exports of condensates, as well as other NGLs.

Note: Figures when added, may not correspond to totals, due to rounding off Starting 1980, Saudi Arabian data excludes NGLs.

Total OPEC for 1991 excludes revenues for Iraq and Kuwait

OFFICIAL DEVELOPMENT ASSISTANCE FROM OECD AND OPEC MEMBERS: 1990-93

COUNTRIES	AMOUNT (Million of U.S.$)				As percentage ot donor G.N.P.			
	1990	1991	1992	1993	1990	1991	1992	1993
1	2	3	4	5	6	7	8	9
OECD:								
Italy	3395	3347	4122	3043	0.31	0.30	0.34	0.31
New Zealand	95	100	97	98	0.23	0.25	0.26	0.25
United Kingdom	2638	3201	3243	2908	0.27	0.32	0.31	0.31
Japan	9069	10952	11151	11259	0.31	0.32	0.30	0.26
Austria	394	548	556	544	0.25	0.34	0.30	0.30
Finland	846	930	644	355	0.63	0.80	0.64	0.46
Australia	955	1050	1015	953	0.34	0.38	0.37	0.35
Canada	2470	2604	2515	2373	0.44	0.45	0.46	0.45
Netherlands	2538	2517	2753	2525	0.92	0.88	0.86	0.82
Belgium	889	831	870	808	0.46	0.41	0.39	0.39
France	7163	7386	8270	7915	0.60	0.62	0.63	0.63
United States	11394	11262	11709	9721	0.21	0.20	0.20	0.15
Denmark	1171	1200	1392	1340	0.94	0.96	1.02	1.03
Germany	6320	6890	7583	6954	0.42	0.40	0.39	0.37
Norway	1205	1178	1273	1014	1.17	1.13	1.16	1.01
Sweden	2007	2116	2460	1769	0.91	0.90	1.03	0.98
Switzerland	750	863	1139	793	0.32	0.36	0.45	0.33
Ireland	57	72	70	81	0.16	0.19	0.16	0.20
TOTAL:	**53356**	**57047**	**60862**	**54453**	..	..	..	..
OPEC								
Nigeria	13	..	..	..	0.04	..	..	..
Iran	2	..	..	..	..	..	..	..
Iraq	78	-3	-28	..	0.11	0.00	-0.04	..
Algeria	7	3	7	7	0.01	0.01	0.01	0.01
Venezuela	15	..	..	..	0.03	..	..	..
Libya	37	15	40	27	0.14	0.05	0.15	0.12
Saudi Arabia	4556	1873	962	811	3.42	1.60	0.80	0.70
Kuwait	1295	389	202	381	5.13	2.45	0.87	1.30
U.A.E	888	558	169	236	2.64	1.64	0.48	0.66
Qatar	-2	1	1	1	-0.03	0.01	0.01	0.02
TOTAL OAPEC	**6859**	..	..	..	**1.80**	..	..	..
TOTAL OPEC	**6889**	..	..	..	..	..	..	..

P: Provisional

SOURCE: WORLD DEVELOPMENT REPORT 1995

..= NOT AVAILABLE

LOAN ASSISTANCE FROM OPEC AND OTHER OIL SUPPLYING NATIONS 1980-81 TO 1993-94

(Rs. Crores)

	1980-81	1982-83	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94
	1	2	3	4	5	6	7	8	9	10	11
U.S.S.R.:											
Authorisation	485.7	--	1134.0	2055.5	1162.7	6210.0	1880.0	--	--	--	--
Utlisation	32.9	40.0	161.2	175.5	222.1	207.2	218.4	295.3	137.4	34.8	—(0.6)
OPEC											
Abu Dhabi Fund:											
Authorisation	--	--	--	--	--	--	--	--	--	--	--
Utilisation	2.0	--	--	--	--	--	--	--	--	--	--
OPEC Fund Loans											
Authorisation	39.8	29.3	--	9.0	10.4	14.6	--	11.6	--	--	--
Utilisation	3.4	37.4	4.7	7.4	24.5	29.0	6.9	9.8	18.1	10.1	--
U.A.E. Loans:											
Authorisation	--	--	--	--	--	--	--	--	--	--	--
Utilisation	--	--	--	--	--	--	--	--	--	--	--
Saudi Arab Fund:											
for Devep.											
Authorisation	--	--	51.6	--	50.2	--	--	--	--	--	--
Utilisation	13.0	12.4	0.2	7.4	0.9	5.6	42.6	29.7	26.5	2.2	5.2
Kuwait Fund: for											
Arab Economic Develop.											
Authorisation	--	--	30.8	--	--	36.1	--	--	--	--	--
Utlisation	8.6	25.5	53.4	23.0	10.8	1.8	1.5	1.3	--	5.6	8.8
Iraq-Loans:											
Authorisation	82.9	--	--	--	--	--	--	--	--	--	--
Utilisation	0.7	--	--	--	--	--	--	--	--	--	--
Iran-Loans:											
Authorisation	--	--	--	--	--	--	--	--	--	--	--
Utilisation	17.3	--	--	--	--	--	--	--	--	--	--
TOTAL OPEC ASSISTANCE:											
Authorisation	122.7	29.3	82.4	9.0	60.6	50.7	--	11.6	--	--	--
Utilisation	45.0	75.3	58.3	37.8	36.2	36.4	51.0	40.8	44.6	17.9	18.7

Note :- 1. Fiqures of authorisation of assistance include agreements signed on Government and non-Government assistance.
2. Utilization of assistance is on Government and non-Government accounts.
3. Utilization figures are exclusive of suppliers credit and commercial borrowings.

SOURCE: Economic Survey, 1994-95

-- : Nil

OFFICIAL SELLING PRICE OF KEY OPEC CRUDE SINCE 1987

(US $/bbl)

Period	Country/Crude Name													
	Kuwait	S.P.Libyan A.J.	Nigeria	Qatar	Saudi Arabia		UAE	Venezuela	Indonesia	I.R. Iran		Iraq		Omam
	Kuwait Exp.	Brega	Forcados	Dukhan	Arab Medium	Arab Heavy	Murban	T.J. Medium	Attaka	Iran Light	IranHeavy	Basrah	Kirkuk	Oman
	31.4/2.6	40.4/0.2	29.5/0.21	41.4/1.1	30.3/2.4	28.0/3.0	39.4/0.8	24.0/.85	42.3/0.09	33.9/1.4	31.0/1.6	34.0/2.0	36.1/2.1	36.3/0.79
1987	16.48	18.08	18.40	17.40	16.57	16.10	17.54	16.42	18.46	17.03	16.57	16.90	17.23	17.25
1988	12.61	14.72	15.00	13.63	12.71	12.13	13.92	12.90	15.40	13.26	12.85	13.66	13.79	13.53
1989	15.23	18.21	18.29	16.18	15.39	14.93	16.61	15.85	18.54	16.04	15.54	16.33	16.90	16.07
1990	-	23.82	23.74	21.22	19.50	18.77	21.70	18.58	23.73	20.64	19.91	-	-	20.89
1991	-	20.41	20.17	17.86	15.77	14.02	18.17	15.71	20.68	17.34	16.33	-	-	17.14
1992	-	19.54	19.61	18.59	16.41	15.22	18.86	16.03	20.51	17.77	16.72	-	-	17.72
1993	14.07	17.08	17.44	16.21	14.19	13.03	16.90	14.33	18.13	15.06	14.08	-	-	15.77
1994	14.14	15.91	16.22	15.85	14.43	13.67	16.23	14.32	16.46	14.87	14.59	-	-	15.12
1992 Jan.	-	18.48	18.33	16.60	14.20	12.70	17.27	13.20	19.89	15.80	14.80	-	-	15.75
Feb.	-	18.60	17.93	17.13	14.78	13.28	17.46	13.34	19.34	16.33	15.33	-	-	16.28
Mar.	-	17.88	17.60	17.10	14.75	13.35	17.20	13.72	18.30	16.30	15.30	-	-	16.25
Apr.	15.80	19.22	19.07	17.88	15.77	14.52	17.98	15.06	18.68	17.18	16.18	-	-	17.13
May	16.81	20.10	20.13	18.83	16.91	15.76	19.13	16.39	20.03	18.18	17.18	-	-	18.13
June	18.17	21.29	21.34	20.13	18.34	17.19	20.49	17.88	21.76	19.54	18.54	-	-	19.49
July	17.70	20.39	20.80	19.88	17.84	16.69	20.04	17.95	22.59	19.09	18.09	-	-	19.04
Aug.	17.08	19.85	20.30	19.24	17.18	16.03	19.38	17.59	22.03	18.43	17.43	-	-	18.38
Sep.	17.50	20.35	20.74	19.70	17.60	16.50	20.19	17.64	21.41	18.91	17.91	-	-	18.86
Oct.	17.34	20.45	20.86	19.51	17.44	16.34	19.95	17.80	21.24	18.74	17.74	-	-	18.65
Nov.	16.28	19.40	19.85	18.25	16.38	15.38	18.85	16.58	20.98	17.70	16.40	-	-	17.65
Dec.	15.29	18.41	18.36	17,37	15.39	14.48	18.14	15.16	19.56	16.78	15.48	-	-	16.73
1993 Jan.	14.59	17.45	17.45	16.40	14.52	13.52	17.20	14.17	18.80	15.74	14.56	NA	NA	15.75
Feb.	15.34	18.55	18.66	17.18	15.44	14.32	17.98	15.35	19.10	16.48	15.58	NA	NA	16.73
Mar.	15.69	18.84	19.10	17.54	15.79	14.44	18.34	16.11	19.65	16.25	15.87	NA	NA	17.13
Apr.	15.63	18.74	19.06	17.50	15.73	14.38	18.30	15.78	19.94	16.25	15.88	NA	NA	17.31
Mar	15.17	18.61	19.00	17.10	15.27	14.03	17.90	15.45	19.79	16.43	14.85	NA	NA	17.04
June	14.67	17.69	18.03	16.85	14.77	13.57	17.63	14.53	18.92	15.17	14.55	NA	NA	16.53
July	13.42	16.89	17.29	15.96	13.52	12.32	16.66	13.70	17.88	15.16	13.13	NA	NA	15.46
Aug.	13.67	16.77	17.21	16.07	13.68	12.50	16.41	14.37	17.56	15.25	13.63	NA	NA	15.57
Sep.	12.70	16.02	14.45	14.85	13.20	12.10	15.39	13.84	17.23	13.95	13.10	NA	NA	14.83
Oct.	13.88	16.70	17.15	16.19	14.08	13.08	16.84	14.44	17.44	14.41	13.73	NA	NA	15.54
Nov.	12.75	15.17	15.77	15.15	12.94	11.88	15.83	12.84	16.43	13.25	12.57	NA	NA	14.44
Dec.	11.20	13.56	14.08	13.57	11.30	10.20	1413	11.41	14.86	12.44	11.38	NA	NA	12.74
1994 Jan.	11.88	14.20	14.69	14.14	12.23	11.18	14.78	11.55	15.46	13.09	12.25	NA	NA	13.39
Feb.	11.71	14.03	14.43	14.06	12.06	11.01	14.63	12.03	15.61	13.01	11.97	NA	NA	13.31
Mar.	11.68	14.03	14.43	13.65	11.79	10.99	14.14	11.76	14.70	12.58	11.84	NA	NA	12.78
Apr.	13.07	15.21	15.26	14.91	13.07	12.27	15.33	13.41	15.00	13.66	13.43	NA	NA	13.90
May	14.18	16.29	16.69	15.92	14.58	13.80	16.35	15.15	16.07	14,58	14.45	NA	NA	15.10
June	15.12	16.83	17.33	16.70	15.47	14.80	17.15	15.81	17.04	15.89	15.77	NA	NA	15.95
July	16.07	17.54	18.00	17.33	16.27	15.67	17.65	15.88	18.43	16.56	16.52	NA	NA	16.73
Aug.	15.55	16.72	17.11	16.89	15.89	15.33	17.13	15.76	18.24	16.20	15.98	NA	NA	16.39
Sep.	14.69	15.84	16.18	16.27	15.39	14.99	16.48	13.76	16.93	15.42	15.60	NA	NA	15.69
Oct.	14.92	16.55	16.91	16.47	15.52	14.37	16.77	14.79	16.81	15.51	15.68	NA	NA	15.78
Nov.	15.55	17.43	17.58	17.11	15.65	15.00	17,44	16.18	16.57	16.13	16.22	NA	NA	16.38
Dec.	15.14	15.99	15.85	16.71	15.24	14.59	16.92	15.78	16.71	15.78	15.33	NA	NA	15.95

Notes: The number below crude names indicate the API gravities and sulphur content in weight percentage. T.J. Medium quotations are posted prices.

Source: OPEC Annual Statistical Bulletin 1994.

DEVELOPMENT OF CRUDE PETROLEUM PRICES (FOB) 1990-93
(Official Selling Prices)

(US $/bbl. FOB)

		January - March				April
Crude	Country	1990	1991	1992	1993	1993
Arab Light	Saudi Arabia	17.63	17.06	16.45	16.77	17.33
Arab Medium	Saudi Arabia	16.62	15.26	14.75	15.31	15.73
Arab Heavy	Saudi Arabia	16.38	12.95	13.35	14.25	14.38
Berri	Saudi Arabia	18.62	18.56	17.59	17.73	18.33
Iran Light	Iran	17.34	16.83	16.30	16.15	16.25
Iran Heavy	Iran	16.65	15.95	15.30	15.34	15.88
Basrah Light	Iraq	18.68	0.00	0.00	0.00	0.00
Basrah Medium	Iraq	0.00	0.00	0.00	0.00	0.00
Basrah Heavy	Iraq	0.00	0.00	0.00	0.00	0.00
Kirkuk	Iraq	18.87	0.00	0.00	0.00	0.00
Kuwait	Kuwait	16.52	0.00	0.00	13.21	15.63
Murban	Abu Dhabi	18.14	17.18	17.20	17.84	18.30
Dukhan	Qatar	17.48	17.23	17.10	17.04	17.50
Khafji	Neutral Zone	16.35	13.01	13.45	13.77	14.33
Es Sider	Libya	19.66	20.28	16.94	17.68	18.10
Bonny Light	Nigeria	20.36	21.25	18.08	18.78	19.24
Bonny Medium	Nigeria	20.38	20.67	17.60	18.40	19.06
Saharan	Algeria	20.40	22.00	18.38	18.62	19.08
Mandji	Gabon	18.05	17.04	14.80	15.47	16.23
Oriente	Ecuador	18.77	16.44	14.47	0.01	0.00
TJ Light	Venezuela	16.29	19.62	17.13	18.23	18.83
TJ Medium	Venezuela	15.98	15.83	13.95	15.09	15.09
Bachaquero	Venezuela	12.83	12.37	8.45	11.95	12.70
Sumatran	Indonesia	20.15	20.74	17.28	19.15	20.46
Attaka	Indonesia	20.07	21.01	18.30	19.18	19.94
OPEC Average		17.90	17.43	15.47	16.20	16.76
Persian Gulf		17.30	16.82	14.87	16.14	16.45

Country Export Shares
(percentages)

Saudi Arabia	22.57	35.11	34.92	35.60	33.26
Iran	12.69	14.21	14.24	14.35	13.92
Iraq	12.98	1.02	1.66	1.65	1.59
Kuwait	7.84	0.07	1.94	0.52	5.47
United Arab Emirates	8.31	10.35	9.72	9.71	9.05
Qatar	1.65	1.67	1.33	1.66	1.79
Neutral Zone	1.49	0.18	1.17	0.65	1.79
Libya	5.09	6.56	6.30	6.19	5.89
Nigeria	8.07	8.31	7.81	7.95	8.06
Algeria	3.20	3.50	3.32	3.38	3.10
Gabon	0.89	1.31	1.17	1.27	1.19
Ecuador	1.40	1.31	1.25	1.25	0.00
Venezuela	7.99	10.64	9.33	9.71	9.43
Indonesia	5.84	5.76	5.84	6.12	5.45

Source: The World Bank/International Finance Corporation-OFFICE MEMORANDUM dated June 30, 1993.

PETROLEUM PRODUCTS PRICE DEVELOPMENTS
(US Dollar Per Metric Ton, FOB)

	April-June a/ 1992	July-Sept b/ 1992	Oct-Dec. c/ 1992	Jan-March 4 1993
	Caribbean Market (Curacao)			
Gasoline	249.20	240.20	227.60	214.90
Kerosene	213.50	211.80	206.90	195.30
Gas Oil	194.10	189.50	191.10	181.70
Fuel Oil	90.50	93.50	103.90	87.10
	Mid East Market (Bahrain)			
Gasoline	248.10	247.40	241.30	223.20
Kerosene	215.10	208.50	215.10	208.50
Gas Oil	208.10	191.00	205.00	195.70
Fuel Oil	94.50	95.40	97.80	87.80
	Far East Market (Singapore)			
Gasoline	247.40	233.50	222.10	218.50
Kerosene	208.50	202.20	206.90	203.60
Gas Oil	201.90	187.90	191.10	191.10
Fuel Oil	95.50	95.50	103.90	87.00

a/ Mid-May quotations
b/ Mid-August quotations.
c/ Mid- November quotations.
d/ Mid-February quotations.

FOB PRICE OF PETROLEUM PRODUCTS
(US Dollars/Barrel)

	Price*			
	1990	1991	1992	1993
	Caribbean Market (Curacao)			
Gasoline	26.87	24.78	25.20	24.98
Kerosene	26.45	26.89	25.19	24.72
Gas Oil	25.19	29.59	23.93	24.55
Fuel Oil	13.49	11.51	10.70	13.00
	Mid East Market (Bahrain)			
Gasoline	27.20	34.78	27.20	25.94
Kerosene	25.20	49.97	24.30	26.39
Gas Oil	24.57	48.72	24.77	20.44
Fuel Oil	13.10	14.10	9.60	13.10
	Far East Market (Singapore)			
Gasoline	24.98	33.81	25.00	25.40
Kerosene	25.20	45.35	22.40	25.77
Gas Oil	25.62	44.09	22.87	25.82
Fuel Oil	15.25	16.40	10.50	13.00

SOURCE: The World Bank/International Finance Corporation- Office Memorandum dated June 30, 1993.
* Mid-February Quotations.

Contd.....

NATURAL GAS PRICES IN INDUSTRIAL / DEVELOPED COUNTRIES OF THE WORLD

US $/107 K. Cal (GCV)

Country	1986	1988	1989	1990	1991	1992	1993	1994
A. FOR INDUSTRIAL USE								
Australia	95:43	115.70	115.84	123.12	135.97	126.95	121.40	NA
Austria	201.11	166.61	142.25	176.43	188.69	183.83	169.39	172.00
Belgium	154.98	114.63	113.96	144.37	159.16	144.48	129.30	124.30
Canada	97.70	92.21	83.42	83.69	87.03	83.70	74.66	78.50
Finland	136.53	116.14	118.92	146.78	140.25	129.53	105.41	120.20
France	157.15	133.54	129.58	155.16	151.30	152.78	142.80	141.80
Germany	196.66	141.49	143.94	187.50	201.15	200.51	187.30	NA
Ireland	333.53	302.89	281.87	328.90	319.94	338.44	291.90	296.40
Italy	101.32	89.78	107.80	157.18	170.57	177.15	150.05	157.50
Japan	507.00	478.24	449.71	412.57	424.68	436.15	464.93	NA
Netherlands	128.27	110.52	104.38	125.21	126.04	120.10	120.20	118.60
NewZealand	116.29	215.30	189.28	192.43	198.72	184.89	184.00	203.00
Spain	258.70	247.97	247.43	166.09	152.13	152.41	129.00	137.60
Switzerland	319.62	255.67	220.29	253.61	282-.96	298.26	265.30	267.70
United Kingdom	148.68	163.86	143.08	158.45	162.01	157.60	129.10	126.30
United States	124.44	114.04	112.50	111.44	101.04	106.34	114.40	115.70
OECD Europe	147.21	134.21	135.16	156.91	161.22	167.34	151.90	NA
OECD	136.20	131.20	123.16	141.80	145.20	148.40	145.10	NA
B. FOR HOUSEHOLD USE								
Australia	187.51	247.74	264.12	268.78	287.60	283.42	276.56	NA
Austria	472.50	360.99	331.52	391.52	397.86	420.11	396.30	405.83
Belgium	365.72	345.58	340.94	415.62	418.56	430.48	398.08	430.87
Canada	149.62	170.67	175.34	185.48	181.59	184.44	176.92	175.58
Finland	147.08	138.27	142.43	176.84	170.24	155.41	128.61	146.55
France	455.19	432.29	406.13	474.46	461.96	499.98	456.53	459.62
Germany	373.58	318.57	311.71	396.53	424.59	455.12	425.35	NA
Ireland	553.76	443.23	412.46	481.32	476.21	506.46	432.65	441.04
Italy	347.97	440.63	469.75	642.32	760.44	793.83	636.13	NA
Japan	832.28	977.69	989.49	945.99	1016.43	1072.45	1204.14	NA
Netherlands	327.51	281.09	249.79	335.49	367.29	383.72	305.33	320.88
New Zealand	143.18	225.91	223.00	231.29	254:53	238.28	254.07	297.10
Spain	541.09	483.24	484.51	NA	660.17	687.98	553.67	541.03
Switzerland	398.18	451.85	401.57	481.75	491.23	510.33	428.98	448.26
United Kingdom	240.51	299.86	291.77	329.08	335.56	344.46	282.52	288.51
United States	224.61	210.74	216.91	233.77	237.81	227.31	237.21	246.37
OECD Europe	331.09	347.81	344.55	430.85	468.02	489.35	417.59	NA
OECD	346.80	377.50	288.70	440.40	476.10	498.30	451.30	NA

0.95 tonne of oil approximate 107 K. Calories of natural gas.

NA = Not Available GCV. = Gross Calorific Value

Source = International Energy Agency's "Energy Prices and Taxes".
First Quarter of 1995.

CIF PRICE OF CRUDE PETROLEUM AND PETROLEUM PRODUCTS
(US Dollars per Metric Ton)

Country	Discharge Port	Product	Price (*)			
			1990	1991	1992	1993
		CARIBBEAN MARKET				
Latin America & Caribbean						
Antigua	St. Johns	Crude	129.18	120.42	114.59	121.09
		Gasoline	235.00	217.40	221.10	219.20
		Kerosene	212.70	216.70	203.30	199.60
		Gas Oil	190.10	223.30	181.30	186.00
		Fuel Oil	93.90	81.10	75.70	91.20
Argentina	La Plata	Crude	139.36	131.62	125.79	132.29
		Gasoline	246.30	231.00	234.70	232.80
		Kerosene	224.10	230.30	216.90	213.20
		Gas Oil	201.40	236.90	194.90	199.50
		Fuel Oil	105.20	94.70	89.30	104.70
Bahamas	Freeport	Crude	129.12	120.31	114.48	120.97
		Gasoline	236.90	221.50	225.20	223.30
		Kerosene	214.70	220.80	207.30	203.60
		Gas Oil	192.00	227.40	185.40	190.00
		Fuel Oil	95.80	85.20	79.80	95.20
Barbados	Bridgetown	Crude	129.31	120.58	114.76	121.25
		Gasoline	235.10	217.50	221.20	219.30
		Kerosene	212.80	216.80	203.40	199.70
		Gas Oil	190.20	223.40	181.40	186.00
		Fuel Oil	94.00	81.20	75.80	91.30
Belize	Belize	Crude	0.00	0.00	0.00	0.00
		Gasoline	236.70	219.40	223.10	221.20
		Kerosene	214.40	218.70	205.30	201.60
		Gas Oil	191.80	225.30	183.40	188.00
		Fuel Oil	95.60	83.20	77.80	93.20
Bermuda	Hamilton	Crude	0.00	0.00	0.00	0.00
		Gasoline	237.40	220.00	223.70	221.80
		Kerosene	215.20	219.30	205.90	220.20
		Gas Oil	192.50	225.90	184.00	188.60
		Fuel Oil	96.40	83.80	78.30	93.80
Brazil	Santos	Crude	136.64	129.61	123.78	130.28
		Gasoline	243.10	227.50	231.20	229.30
		Kerosene	220.90	226.80	213.40	209.70
		Gas Oil	198.20	233.50	191.50	196.10
		Fuel Oil	102.00	91.30	85.90	101.30

Contd.....

CIF PRICE OF CRUDE PETROLEUM AND PETROLEUM PRODUCTS
(US Dollars per Metric Ton)

Country	Discharge Port	Product	Price (*)			
			1990	1991	1992	1993
Chile	Valparaiso	Crude	140.63	133.17	127.34	133.83
		Gasoline	247,70	231.70	235.40	233.50
		Kerosene	225.50	231.00	217.60	213.90
		Gas Oil	202.90	237.60	195.60	200.20
		Fuel Oil	106.70	95.40	90.00	105.40
Colombia	Barraquilla	Crude	128.26	119.10	113.27	119.77
		Gasoline	235.10	217.20	220.90	219.00
		Kerosene	212.90	216.50	203.00	199.30
		Gas Oil	190.20	223.10	181.10	185.70
		Fuel Oil	94.00	80.90	75.50	90.90
Costa Rica	Puerto Limon	Crude	129.34	120.52	114.69	121.19
		Gasoline	236.70	219.30	223.00	221.10
		Kerosene	214.50	218.60	205.20	201.50
		Gas Oil	191.80	225.20	183.20	187.80
		Fuel Oil	95.60	83.00	77.60	93.00
Dominican R.	Santo Domingo	Crude	128.34	119.18	113.35	110.85
		Gasoline	235.00	217.30	221.00	219.10
		Kerosene	212.70	216.60	203.20	199.50
		Gas Oil	190.10	223.20	181.20	185.90
		Fuel Oil	93.90	81.00	75.60	91.10
El Salvador	Cutuco	Crude	130.07	121.75	115.92	122.41
		Gasoline	242.40	225.30	229.00	227.10
		Kerosene	220.10	224.60	211.20	207.40
		Gas Oil	197.50	231.20	189.20	193.80
		Fuel Oil	101.30	89.00	83.60	99.00
Guatemala	Puerto Barrios	Crude	129.08	119.73	113.90	120.40
		Gasoline	236.80	219.60	223.30	221.40
		Kerosene	214.50	218.90	205.50	201.80
		Gas Oil	191.90	225.50	183.50	188.10
		Fuel Oil	95.70	83.30	77.90	93.30
Haiti	Port au Prince	Crude	0.00	0.00	0.00	0.00
		Gasoline	235.40	217.90	221.60	219.70
		Kerosene	213.10	217.20	203.70	200.00
		Gas Oil	190.50	223.80	181.80	186.40
		Fuel Oil	94.30	81.60	76.20	91.60
Honduras	Puerto Cortez	Crude	129.75	120.41	114.59	121.08
		Gasoline	238.20	219.80	223.50	221.60
		Kerosene	216.00	219.10	205.70	202.00
		Gas Oil	193.30	225.70	183.70	188.40
		Fuel Oil	97.10	83.50	78.10	93.60

Contd.....

CIF PRICE OF CRUDE PETROLEUM AND PETROLEUM PRODUCTS
(US Dollars per MetricTon)

Country	Discharge Port	Product	Price (*)			
			1990	1991	1992	1993
Jamaica	Kingston	Crude	128.74	120.08	114.25	120.75
		Gasoline	235.30	217.80	221.50	219.60
		Kerosene	213.10	217.10	203.70	200.00
		Gas Oil	190.40	223.70	181.70	186.30
		Fuel Oil	94.30	81.50	76.10	91.50
Nicaragua	Corinto	Crude	129.80	120.50	114.68	121.17
		Gasoline	242.70	225.60	229.20	227.30
		Kerosene	220.40	224.80	211.40	207.70
		Gas Oil	197.80	231.40	189.50	194.10
		Fuel Oil	101.60	89.30	83.80	99.30
Panama	Puerto Las Minas	Crude	128.91	120.08	114.25	120.75
		Gasoline	235.60	218.10	221.80	219.90
		Kerosene	213.30	217.40	204.00	200.30
		Gas Oil	190.70	224.00	182.00	186.60
		Fuel Oil	94.50	81.80	76.40	91.80
Surinam	Paramaribo	Crude	0.00	0.00	0.00	0.00
		Gasoline	236.10	218.80	222.50	220.60
		Kerosene	213.80	218.10	204.60	200.90
		Gas Oil	191.20	224.70	182.70	187.30
		Fuel Oil	95.00	82.50	77.10	92.50
Uruguay	Montevideo	Crude	134.09	126.39	120.56	127.06
		Gasoline	245.20	229.80	233.50	231.60
		Kerosene	223.00	229.10	215.70	212.00
		Gas Oil	200.30	235.70	193.70	198.30
		Fuel Oil	104.10	93.50	88.10	103.50
Africa South of Sahara						
Benin	Cotonou	Crude	0.00	0.00	0.00	0.00
		Gasoline	244.30	228.80	232.50	230.60
		Kerosene	222.10	228,10	214,70	211.00
		Gas Oil	199.40	234.70	192.70	197,30
		Fuel Oil	103.20	92.50	87.10	102.50
Cameroon	Douala	Crude	0.00	0.00	0.00	0.00
		Gasoline	240.00	230.90	234.70	232.80
		Kerosene	217.80	230.20	216.80	213.10
		Gas Oil	195.10	136.90	194.90	199.50
		Fuel Oil	98.90	94.70	89.30	104.70

Contd.....

CIF PRICE OF CRUDE PETROLEUM AND PETROLEUM PRODUCTS
(US Dollars per MetricTon)

Country	Discharge Port	Product	Price (*)			
			1990	1991	1992	1993
Cape Verde	St. Vincent	Crude	0.00	0.00	0.00	0.00
		Gasoline	242.00	223.50	227.20	225.30
		Kerosene	219.80	222.80	209.40	205.60
		Gas Oil	197.10	229.40	187.40	192.00
		Fuel Oil	101.00	87.20	81.80	97.20
Gambia	Banjul	Crude	0.00	0.00	0.00	0.00
		Gasoline	243.90	226.00	229.70	227.80
		Kerosene	221.70	225.30	211.80	208.10
		Gas Oil	199.10	231.90	189.90	194.50
		Fuel Oil	102.90	89.70	84.30	99.70
Ghana	Takoradi	Crude	135.79	128.41	122.59	129.08
		Gasoline	243.80	228.20	231.90	230.00
		Kerosene	221.50	227.50	214.10	210.40
		Gas Oil	198.90	234.10	192.10	196.80
		Fuel Oil	102.70	91.90	86.50	102.00
Guinea	Conakry	Crude	0.00	0.00	0.00	0.00
		Gasoline	244.00	227.40	231.20	229.20
		Kerosene	221.70	226.70	213.30	209.60
		Gas Oil	199.10	233.40	191.40	196.00
		Fuel Oil	102.90	91.20	85.80	101.20
Ivory Coast	Abidjan	Crude	136.06	128.68	122.86	129.35
		Gasoline	242.70	228.10	231.80	229.90
		Kerosene	220.40	227.40	214.00	210.30
		Gas Oil	197.80	234.00	192.10	196.70
		Fuel Oil	101.60	91.90	86.50	101.90
Liberia	Monrovia	Crude	136.24	128.99	123.16	129.66
		Gasoline	241.50	226.70	230.40	228.50
		Kerosene	219.20	226.00	212.60	208.90
		Gas Oil	196.60	232.60	190.60	195.20
		Fuel Oil	100.40	90.40	85.00	100.40
Mauritania	Nouadhibou	Crude	0.00	0.00	0.00	0.00
		Gasoline	241.50	225.20	228.90	227.00
		Kerosene	219.30	224.50	211.10	207.40
		Gas Oil	196.60	231.10	189.10	193.70
		Fuel Oil	100.40	88.90	83.50	98.90

Contd.....

CIF PRICE OF CRUDE PETROLEUM AND PETROLEUM PRODUCTS

(US Dollars Per MetricTon)

Country	Discharge Port	Product	Price (*)			
			1990	1991	1992	1993
Jordan	Aqaba	Crude	130.49	121.90	116.07	122.57
		Gasoline	245.20	310.80	245.50	234.70
		Kerosene	210.20	406.70	203.50	220.00
		Gas Oil	192.90	372.30	194.70	207.20
		Fuel Oil	98.70	105.80	75.50	99.00
Lebanon	Beirut	Crude	135.40	126.45	120.62	127.11
		Gasoline	252.20	320.80	255.50	244.70
		Kerosene	217.20	416.70	213.50	230.00
		Gas Oil	199.90	382.30	204.70	217.20
		Fuel Oil	105.70	115.80	85.50	109.00
Turkey	Istanbul	Crude	136.55	128.00	122.18	128.67
		Gasoline	253.50	324.10	258.90	248.00
		Kerosene	218.50	420.00	216.80	233.30
		Gas Oil	201.20	385.60	208.10	220.50
		Fuel Oil	107.00	119.10	88.80	112.40
Yemen, A.R.	Hodeidah	Crude	0.00	0.00	0.00	0.00
		Gasoline	248.10	308.20	242.90	232.10
		Kerosene	213.20	404.10	200.90	217.40
		Gas Oil	195.80	369.70	192.10	204.60
		Fuel Oil	101.60	103.20	72.90	96.40
Yemen, P.D.R.	Aden	Crude	129.13	120.31	114.49	120.98
		Gasoline	241.50	307.40	242.10	231.30
		Kerosene	206.50	403.30	200.10	216.60
		Gas Oil	189.20	368.90	191.30	203.80
		Fuel Oil	95.00	102.40	72.10	95.70
Yugoslavia	Rijeca	Crude	136.88	128.29	122.46	128.96
		Gasoline	249.30	323.80	258.60	247.80
		Kerosene	214.30	419.70	216.50	233.10
		Gas Oil	197.00	385.40	207.80	220.20
		Fuel Oil	102.80	118.80	88.60	112.10
		FAR EAST MARKET				
South Asia						
Bangladesh	Chittagong	Crude	130.99	122.57	116.75	123.24
		Gasoline	229.20	298.30	222.30	225.90
		Kerosene	213.40	366.00	184.30	211.00
		Gas Oil	203.90	333.90	176.60	198.40
		Fuel Oil	116.30	117.10	77.40	94.10

Contd.....

CIF PRICE OF CRUDE PETROLEUM AND PETROLEUM PRODUCTS

(US Dollars Per MetricTon)

Country	Discharge Port	Product	Price (*)			
			1990	1991	1992	1993
Burma	Rangoon	Crude	130.88	122.48	116.66	123.15
		Gasoline	221.30	297.10	221.00	224.70
		Kerosene	205.40	364.70	183.10	209.70
		Gas Oil	195.90	332.70	175.40	197.20
		Fuel Oil	108.30	115.80	76.20	92.90
India	Madras	Crude	130.45	121.78	115.95	122.45
		Gasoline	225.60	298.90	222.90	226.50
		Kerosene	209.80	366.50	184.90	211.50
		Gas Oil	200.30	334.50	177.20	199.00
		Fuel Oil	112.70	117.60	78.00	94.70
Sri Lanka	Colombo	Crude	129.47	120.75	114.92	121.41
		Gasoline	222.00	298.30	222.30	225.90
		Kerosene	206.10	365.90	184.30	210.90
		Gas Oil	196.60	333.90	176.60	198.40
		Fuel Oil	109.00	117.00	77.40	94.10
EAST ASIA AND PACIFIC						
Hong Kong	Hong Kong	Crude	132.88	124.95	119.12	125.62
		Gasoline	221.20	298.10	222.10	225.70
		Kerosene	205.40	365.80	184.10	210.70
		Gas Oil	195.90	333.70	176.40	198.20
		Fuel Oil	108.30	116.90	77.20	93.90
Korea	Inchon	Crude	134.26	126.62	120.80	127.29
		Gasoline	221.00	301.70	225.60	229.20
		Kerosene	205.10	369.30	187.60	214.30
		Gas Oil	195.60	337.20	179.90	201.80
		Fuel Oil	108.00	120.40	80.70	97.50
Phillippines	Manila	Crude	132.75	124.77	118.94	125.44
		Gasoline	223.90	297.70	221.70	225.30
		Kerosene	208.00	365.40	183.70	210.40
		Gas Oil	198.50	333.30	176.00	197.80
		Fuel Oil	111.00	116.50	76.80	93.50
RN. Guinea	Bougainville	Crude	0.00	0.00	0.00	0.00
		Gasoline	220.70	303.80	227.80	231.40
		Kerosene	204.80	371.50	189.80	216.40
		Gas Oil	195.30	339.40	182.10	203.90
		Fuel Oil	107.80	122.60	82.90	99.60

CIF PRICE OF CRUDE PETROLEUM AND PETROLEUM PRODUCTS

(US Dollars Per MetricTon)

Country	Discharge Port	Product	Price (*)			
			1990	1991	1992	1993
Thailand	Bangkok	Crude	132.18	124.04	118.21	124.71
		Gasoline	226.60	296.20	220.10	223.70
		Kerosene	210.80	363.80	182.20	208.80
		Gas Oil	201.30	331.80	174.50	196.30
		Fuel Oil	113.70	114.90	75.30	92.00
Vietnam	Hochimin	Crude	0.00	0.00	0.00	0.00
		Gasoline	219.50	297.00	221.00	224.60
		Kerosene	203.60	364.70	183.00	209.70
		Gas Oil	194.10	332.60	175.30	197.10
		Fuel Oil	106.50	115.80	76.10	92.80
Fiji	Suva	Crude	0.00	0.00	0.00	0.00
		Gasoline	220.70	309.10	233.10	236.70
		Kerosene	204.90	376.80	195.10	221.80
		Gas Oil	195.40	344.70	187.40	209.20
		Fuel Oil	107.80	127.90	88.20	104.90

(*) Mid-February Quotations

Product Specifications:

Gasoline: 95 Ron
Kerosene: Regular Gas Oil: 48-52 Diesel Index
0.5% Sulphur in Mid East & Far East Markets.
Fuel Oil: Heavy, High Sulphur.

Conversion Factors:

1 Metric Ton of Gasoline = 8.6 barrels = 1,350 liters.
1 MetricTon of Kerosene = 7.9 barrels = 1,230 liters.
1 Metric Ton of Gas Oil = 7.4 barrels = 1,160 liters.
1 Metric Ton of Fuel Oil = 6.7 barrels.

1 Barrel = 42 Gallons.

1 Gallon (U.S.) = 3.785 Liters.

Source: The World Bank/International Finance Corporation Office Memorandum dated June 30, 1993.

SHORT-TERM TREND IN WEIGHTED@ AVERAGE OFFICIAL PRICES OF OPEC CRUDE VS.THEIR SPOT ASSESSMENT SINCE JUNE 1980.

WEEK ENDING	OPEC'SWEIGHTED AVERAGE OFFICIAL PRICE	Spot Assessment	DIFFERENCE (+) Premium (-) Discount
19.6.80	30.83	34.80	+3.97
2.10.80	31.97	31.32	+1.15
6.3.81	34.83	36.72	+1.89
5.6.81	34.75	31.84	-2.91
4.9.81	34.66(34.32)	31.48	-3.18
4.12.81	33.96	33.12	-0.84
5.3.82	33.36	28.69	-4.67
4.6.82	33.14	32.10	-1.04
3.9.82	33.18	31.60	-1.58
3.12.82	33.17	29.73	-3.43
4.3.83	32.83	27.56	-5.27
11.3.83	32.83	27.56	-5.27
18.3.83	32.83	27.41	-5.42
25.3.83	23.87	27.35	-1.52
3.6.83	28.44	28.05	-0.39
10.6.83	28.44	28.04	-0.40
17.6.83	28.44	28.14	-0.30
24.6.83	28.44	28.22	-0.22
2.9.83	28.48	28.40	-0.08
9.9.83	28.48	28.37	-0.11
16.9.83	28.48	28.27	-0.21
23.9.83	28.48	28.33	-0.15
30.9.83	28.48	28.22	-0.26
2.12.83	28.48	27.93	-0.55
9.12.83	28.48	27.87	-0.61
16.12.83	28.48	27.78	-0.70
23.12.83	28.48	27.74	-0.74
30.12.83	28.48	27.83	-0.65
2.3.84	28.48	28.06	-0.42
9.3.84	28.48	28.12	-0.36
16.3.84	28.48	28.04	-0.44
23.3.84	28.48	28.02	-0.46
30.3.84	28.48	28.04	-0.44

Contd.....

SHORT-TERM TREND IN WEIGHTED@ AVERAGE OFFICIAL PRICES OF OPEC CRUDE VS.THEIR SPOT ASSESSMENT SINCE JUNE 1980.

WEEK ENDING	OPEC'S WEIGHTED AVERAGE OFFICIAL PRICE	Spot Assessment	DIFFERENCE (+) Premium (-) Discount
1.6.84	28.48	27.41	-1.07
8.6.84	28.48	27.51	-0.97
15.6.84	28.48	27.30	-1.18
22.6.84	28.48	27.09	-1.39
29.6.84	28.48	27.94	-1.54
7.9.84	28.48	27.36	-1.12
14.9.84	28.48	27.43	-1.05
21.9.84	28.48	27.49	-0.99
28.9.84	28.48	27.62	-0.86
7.12.84	27.88	26.93	-0.94
14.12.84	27.88	26.79	-1.09
21.12.84	27.88	26.77	- 1.10
28.12.84	27.88	26.96	-0.92
1.3.85	27.66	27.11	-0.58
8.3.85	27.67	27.08	-0.54
15.3.85	27.62	27.13	-0.55
22.3.85	27.54	27.07	-0.47
29.3.85	27.53	27.03	-0.50
10.5.85	27.48	26.38	-1.10
17.5.85	27.40	25.94	-1.46
24.5.85	27.40	25.84	-1.56
6.9.85	27.42	26.69	-0.73
13.9.85	27.37	26.50	-0.87
20.9.85	27.37	26.50	-0.87
27.9.85	27.37	26.76	-0.61
6.12.85	27.34	26.32	-0.95
13.12.85	27.28	26.28	-0.98
20.12.85	27.26	26.32	-0.94
27.12.85	27.26	26.33	-0.93
7.3.86	24.34	13.18	-11.06
14.3.86	24.24	13.27	-11.02
21.3.86	24.20	12.11	-11.96
28.3.86	27.07	27.03	-0 56

Contd.....

SHORT-TERM TREND IN WEIGHTED@ AVERAGE OFFICIAL PRICES OF OPEC CRUDE VS.THEIR SPOT ASSESSMENT SINCE JUNE 1980.

WEEK ENDING	OPEC'S WEIGHTED AVERAGE OFFICIAL PRICE	Spot Assessment	DIFFERENCE (+) Premium (-) Discount
6.6.86	22.45	11.30	-11.15
13.6.86	22.43	11.15	-11.28
20.6.86	22.39	10.91	-11.48
27.6.86	22.33	10.51	-11.82
5.9.86	23.05	13.79	-9.26
12.9.86	23.02	13.56	-9.46
19.9.86	22.86	12.96	-9.93
26.9.86	22.93	13.02	-9.91
5.12.86	22.78	13.80	-8.98
12.12.86	22.77	13.80	-8.97
19.12.86	22.77	14.83	-7.94
26.12.86	23.30	15.91	-7.40
6.3.87	17.94	16.98	-0.96
13.3.87	17.94	16.86	-1.08
20.3.87	17.83	17.41	-0.42
27.3.87	17.83	17.48	-0.35
5.6.87	17.87	17.54	-0.33
12.6.87	17.87	17.58	-0.29
19.6.87	17.87	17.64	-0.23
26.6.87	17.87	17.60	-0.26
4.9.87	17.87	17.35	-0.52
11.9.87	17.87	17.35	-0.52
18.9.87	17.87	17.34	-0.53
25.9.87	17.87	17.84	-0.52
4.12.87	17.87	16.86	-1.01
11.12.87	17.87	16.70	-1.17
18.12.87	17.88	14.48	-3.40
25.12.87	17.87	15.73	-2.14
4.3.88	17.88	13.61	-2.17
11.3.88	17.61	13.82	-3.71
18.3.88	17.88	13.82	-2.17
25.3.88	17.60	14.36	-3.24
31.3.88	17.60	14.45	-3.15

Contd.....

SHORT-TERM TREND IN WEIGHTED@ AVERAGE OFFICIAL PRICES OF OPEC CRUDE VS.THEIR SPOT ASSESSMENT SINCE JUNE 1980.

WEEK ENDING	OPEC'S WEIGHTED AVERAGE OFFICIAL PRICE	Spot Assessment	DIFFERENCE (+) Premium (-) Discount
3.6.88	17.60	15.03	-2.57
10.6.88	17.60	15.03	-2.57
17.6.88	17.60	14.52	-3.08
24.6.88	17.60	13.92	-3.68
2.9.88	17.60	13.05	-4.55
9.9.88	17.60	12.27	-5.33
16.9.88	17.51	12.07	-5.44
30.9.88	17.51	11.08	-6.43
2.12.88	17.46	12.61	-4.85
9.12.88	17.47	12.68	-4.79
16.12.88	17.47	13.33	-4.15
23.12.88	17.47	13.65	-3.82
30.12.88	17.47	13.78	-3.69
3.3.89	17.55	15.59	-1.96
10.3.89	17.55	15.77	-1.78
17.3.89	17.55	16.68	-0.87
24.3.89	17.55	17.54	-0.01
31.3.89	17.55	18.01	-0.45
2.6.89	17.75	16.52	-1.22
9.6.89	17.74	16.75	-1.00
16.6.89	17.73	15.77	-1.96
23.6.89	17.73	15.85	-1.88
30.6.89	17.73	16.74	-0.99
1.9.89	17.71	15.12	-1.79
8.9.89	17.71	16.14	-1.58
15.9.89	17.71	16.38	-1.33
22.8.89	17.68	16.19	-1.49
29.9.89	17.72	16.95	-0.77
1.12.89	17.72	16.90	-0.82
8.12.89	17.45	17.57	0.06
15.12.89	17.46	17.83	0.37
22.12.89	17.50	18.33	0.88
29.12.89	17.52	18.80	1.27
2.3.90	18.21	17.73	-0.48
9.3.90	17.81	17.64	-0.17
16.3.90	17.81	16.86	-0.94
23.3.90	17.78	16.40	-1.38
30.3.90	17.79	16.56	-1.24
1.6.90	16.79	13.59	-3.20
8.6 90	16.77	13.40	-3.36
15.6.90	16.76	13.37	-3.39
22.6.90	16.73	12.97	-3.76
29.6.90	16.75	13.38	-3.37

Contd.....

SHORT-TERM TREND IN WEIGHTED@ AVERAGE OFFICIAL PRICES OF OPEC CRUDE VS.THEIR SPOT ASSESSMENT SINCE JUNE 1980.

WEEK ENDING	OPEC'S WEIGHTED AVERAGE OFFICIAL PRICE	Spot Assessment	DIFFERENCE (+) Premium (-) Discount
7.9.90	17.25	27.53	10.28
14.9.90	17.27	28.29	11.02
21.9.90	20.35	32.13	11.78
28.9.90	20.42	36.54	16.11
7.12.90	23.86	26.07	2.21
14.12.90	23.71	24.54	0.83
21.12.90	23.72	24.59	0.88
28.12.90	23.72	24.49	0.77
1.3.91	18.88	15.09	-3.80
8.3.91	17.58	16.77	-0.81
15.3.91	17.58	16.35	-1.23
22.3.91	17.61	16.23	-1.38
26.3.91	17.60	16.00	-1.61
7.6.91	17.31	16.62	-0.69
14.6.91	17.31	16.14	-1.17
21.6.91	17.31	16.13	-1.18
28.6.91	17.32	16.21	-1.11
06.9.91	17.83	18.31	0.49
13.9.91	17.83	18.01	0.18
20.9.91	17.83	18.64	0.81
27.9.91	17.83	18.92	1.09
6.12.91	18.93	17.58	-1.35
13.12.91	18.83	16.46	-2.37
20.12.91	18.70	16.38	-2.32
3.1.92	18.77	16.11	-2.66
10.1.92	17.48	15.88	-1.60
17.1.92	17.29	16.10	-1.19
24.1.92	17.29	16.31	-0.98
31.1.92	17.29	16.31	-0.98
7.2.92	17.27	16.33	-0.94
14.2.92	17.28	16.82	-0.46
21.2.92	17.28	16.29	-0.99
28.2.92	17.28	16.29	-0.99
6.3.92	17.35	15.87	-1.48
13.3.92	17.39	15.85	-1.54
20.3.92	17.41	16.34	-1.07
27.3.92	17.41	16.50	-0.91
3.4.92	17.41	16.67	-1.74
10.4.92	17.46	17.27	-0.19
16.4.92	17.46	17.21	-0.25
23.4.92	17.46	17.22	-0.24
30.4.92	17.48	17.53	0.05
7.5.92	17.90	17.96	0.06
14.5.92	17.91	18.00	0.09
28.5.92	17.95	18.91	0.96

Contd.....

SHORT-TERM TREND IN WEIGHTED@ AVERAGE OFFICIAL PRICES OF OPEC CRUDE VS.THEIR SPOT ASSESSMENT SINCE JUNE 1980.

WEEK ENDING	OPEC'S WEIGHTED AVERAGE OFFICIAL PRICE	Spot Assessment	DIFFERENCE (+) Premium (-) Discount
4.6.92	18.39	19.35	0.96
11.6.92	18.44	19.56	1.12
18.6.92	18.43	19.63	1.20
25.6.92	18.48	19.83	1.35
1.7.92	18.91	19.36	0.55
9.7.92	19.11	19.06	-0.05
16.7.92	19.08	18.99	-0.09
23.7.92	19.10	19.10	0.00
30.7.92	19.10	19.13	0.03
6.8.92	18.94	18.64	-0.30
20.8.92	18.81	18.51	-0.30
27.8.92	18.81	18.43	-0.38
3.9.92	18.59	18.53	-0.06
10.9.92	18.51	18.83	0.32
17.9.92	18.51	19.13	0.62
24.9.92	18.50	19.02	0.52
1.10.92	18.50	18.90	0.40
8.10.92	18.66	18.89	0.23
15.10.92	18.67	19.27	0.60
22.10.92	18.67	19.05	0.38
29.10.92	10.66	18.35	-0.31
5.11.92	18.48	17.99	-0.49
12.11.92	18.47	18.05	-0.42
19.11.92	18.46	17.82	-0.64
24.11.92	18.46	17.64	-0.82
3.12.92	18.14	17.30	-0.84
10.12.92	18.11	16.72	-1.39
17.12.92	18.08	16.74	-1.34
22.12.92	18.09	17.04	-1.05
7.1.93	17.78	16.25	-1.53
14.1.93	17.57	15.88	-1.69
21.1.93	17.52	15.55	-1.97
28.1.93	17.57	16.30	-1.27
4.2.93	17.32	16.84	-0.48
11.2.93	17.20	16.94	-0.26
18.2.93	17.19	16.58	0.61
25.2.93	17.19	17.13	-0.06
4.3.93	17.50	17.43	-0.07
11.3.93	17.52	17.44	-0.08
18.3.93	17.51	17.16	-0.35
25.3.93	17.51	16.95	-0.56

Contd.....

SHORT-TERM TREND IN WEIGHTED@ AVERAGE OFFICIAL PRICES OF OPEC CRUDE VS.THEIR SPOT ASSESSMENT SINCE JUNE 1980.

WEEK ENDING	OPEC'S WEIGHTED AVERAGE OFFICIAL PRICE	Spot Assessment	DIFFERENCE (+) Premium (-) Discount
01.4.93	17.52	17.24	-0.28
07.4.93	17.52	17.37	-0.15
22.4.93	17.52	17.06	-0.46
29.4.93	17.52	17.12	-0.40
6.5.93	17.54	17.34	-0.20
13.5.93	17.54	17.23	-0.31
20.5.93	17.54	17.23	-0.31
27.5.93	17.53	16.60	-0.93
3.6.93	17.39	16.78	-0.61
10.6.93	17.39	16.63	-0.76
17.6.93	17.36	16.02	-1.34
24.6.93	17.36	15.80	-1.56
1.7.93	17.55	15.84	-1.71
8.7.93	17.33	15.27	-2.06
15.7.93	17.33	15.12	-2.21
22.7.93	17.33	15.27	-2.06
29.7.93	17.30	15.27	-2.03
05.8.93	16.77	15.27	-1.50
12.8.93	16.77	15.27	-1.50
19.8.93	16.77	15.43	- 1.34
27.8.93	16.78	15.28	-1.50
02.9.93	16.94	15.30	-1.64
9.9.93	16.94	14.59	-2.35
16.9.93	16.91	14.02	-2.89
23.9.93	16.91	14.49	-2.42
30.9.93	16.75	15.27	-1.48
7.10.93	16.84	15.30	-1.54
14.10.93	16.86	15.50	-1.36
21.10.93	16.87	15.24	-1.63
28.10.93	16.86	14.78	-2.08
4.11.93	16.82	14.52	-2.30
11.11.93	16.91	14.18	-2.73
18.11.93	16.91	14.21	-2.70
25.11.93	16.91	13.99	-2.92
02.11.93	16.55	12.93	-3.62

Contd.....

SHORT-TERM TREND IN WEIGHTED@ AVERAGE OFFICIAL PRICES OF OPEC CRUDE VS.THEIR SPOT ASSESSMENT SINCE JUNE 1980.

WEEK ENDING	OPEC'S WEIGHTED AVERAGE OFFICIAL PRICE	Spot Assessment	DIFFERENCE (+) Premium (-) Discount
9.12.93	16.34	12.52	-3.82
16.12.93	16.34	12.57	-3.77
22.12.93	16.34	12.48	-3.86
29.12.93	16.34	12.27	-4.07
7.1.94	16.17	12.82	-3.35
14.1.94	16.17	13.11	-3.06
21.1.94	16.18	13.32	-2.86
28.1.94	16.22	13.70	-2.52
03.2.94	12.73	13.98	1.25
10.2.94	12.44	13.32	0.88
17.2.94	12.44	12.57	0.13
24.2.94	11.91	12.55	0.64
3.3.94	12.29	13.01	0.72
10.3.94	12.13	12.50	0.37
17.3.94	12.18	12.94	0.76
24.3.94	12.29	13.05	0.76
30.3.94	12.03	12.56	0.53

@ = The weights given are based on each nation's production relative to OPEC total.

Source: Platt's Oil Grams.

DEVELOPMENT OF CRUDE PETROLEUM PRICES (FOB) 1992-93

(Official Selling Prices)

(US $/.bbl. FOB)

Crude	Country	April-June 1992	July-Sept 1992	Oct-Dec 1992	Jan-March 1993
Arab Light	Saudi Arabia	18.51	19.01	17.86	16.77
Arab Medium	Saudi Arabia	17.01	17.54	16.43	15.31
Arab Heavy	Saudi Arabia	15.82	16.41	15.43	14.25
Berri	Saudi Arabia	19.52	10.06	18.81	17.73
Iran Light	Iran	18.30	18.81	17.77	16.15
Iran Heavy	Iran	17.30	17.81	16.45	15.S4
Basrah Light	Iraq	0.00	0.00	0.00	0.00
Basrah Medium	Iraq	0.00	0.00	0.00	0.00
Basrah Heavy	Iraq	0.00	0.00	0.00	0.00
Kirkuk	Iraq	0.00	0.00	0.00	0.00
Kuwait	Kuwait	11.95	16.26	16.33	13.21
Murban	Abu Dhabi	19.20	19.87	18.98	17.84
Dukhan	Qatar	18.94	19.61	18.38	17.04
Khafji	Neutral Zone	15.51	16.07	14.49	13.77
Es Sider	Libya	19.39	19.46	18.85	17.68
Bonny Light	Nigeria	20.65	20.78	19.89	18.78
Bonny Medium	Nigeria	20.18	20.61	20.69	18.40
Saharan	Algeria	20.56	20.56	19.98	18.62
Mandji	Gabon	17.52	17.83	17.10	15.47
Oriente	Ecuador	17.28	17.56	17.01	0.01
TJ Light	Venezuela	19.86	20.02	19.91	18.23
TJ Medium	Venzuela	16.23	16.76	16.37	15.09
Bachaquero	Venezuela	11.37	13.03	12.90	11.95
S u matran	Indonesia	18.60	20.43	20.15	19.15
Attaka	Indonesia	20.16	22.43	20.59	19.18
OPEC Average		17.70	18.38	17.40	16.20
Persian Guif		17.45	18.30	17.25	16.14
	Country Export Shares (percentages)				
Saudi Arabia		33.60	33.20	33.00	35.60
Iran		13.84	13.70	14.20	14.35
Iraq		1.65	1.65	1.62	1.65
Kuwait		3.43	4.00	4.55	0.52
UAE		9.31	9.3	9.00	9.71
Oatar		1.50	1.66	1.65	1.66
Neutral Zone		1.25	1.65	1.65	0.65
Libya-		6.19	5.97	5.87	6.19
Nigeria		7.95	7.95	8.04	7.95
Algeria		3.28	3.38	3.38	3.38
Gabon		1.20	1.27	1.27	1.27
Ecuador		1.26	1.25	1.25	1.25
Venezuela		9.61	9.60	9.33	9.71
Indonesia		5.92	6.12	6.13	6.12

SOURCE: The World Bank/International Finance Corporation-OFFICE MEMORANDUM dated June 30, 1993.

DEVELOPMENT OF SPOT PRICES OF KEY OPEC CRUDE OILS SINCE JANUARY 1988

(US $ barrel)

Month	Arab Light 34	Arab Heavy 27	Iran Light 33.9	Kuwait (Export) 31	Iraq Basrah 34	UAE Murban 39.10	Qatar Dukhan 10
1	2	3	4	5	6	7	8
1988							
January	15.63	14.20	15.68	15.55	15.20	16.45	-
February	15.14	13.68	14.86	14.76	14.49	15.63	-
March	13.70	12.53	13.70	13.97	13.41	15.06	-
April	15.21	14.04	15.06	15.74	14.55	16.85	-
May	15.16	13.95	15.00	15.23	14.25	16.61	-
June	13.97	12.72	13.80	14.36	13.15	15.75	-
July	13.50	12.25	13.44	14.09	12.74	15.48	-
August	13.21	11.99	13.08	13.52	12.44	14.93	-
September	11.56	10.34	11.54	11.90	10.88	13.41	-
October	10.46	9.09	10.16	11.14	9.38	12.65	-
November	10.92	9.62	10.72	11.66	9.87	13.42	-
December	12.81	11.55	12.56	13.96	11.76	15.76	-
1989							
January	14.61	13.36	14.38	15.75	13.55	17.49	-
February	14.79	13.54	14.61	15.46	13.60	17.24	-
March	16.28	15.03	16.03	17.36	15.16	18.93	-
April	17.74	16.49	17.48	16.63	-	-	-
May	16.24	15.00	16.12	15.25	-	-	-
June	15.96	14.71	15.86	15.13	-	-	-
July	16.03	14.63	15.89	15.10	-	-	-
August	15.46	14.11	15.34	14.61	-	-	-
September	16.10	14.73	16.00	15.25	-	-	-
October	16.73	15.48	16.59	16.10	-	-	-
November	16.77	15.52	16.53	15.76	-	-	-
December	17.80	16.55	17.64	16.71	-	-	-
1 990							
January	18.32	17.27	18.05	17.27	-	-	-
February	17.58	16.23	17.33	16.40	-	-	-
March	16.51	15.18	16.20	15.39	-	-	-
April	14.61	13.14	14.44	13.58	-	-	-
May	14.63	13.19	14.35	13.59	-	-	-
June	13.14	11.64	12.78	11.98	-	-	-
July	14.81	13.03	14.53	13.25	-	-	-
August	24.13	22.33	24.31	20.13	-	-	-
Septe mber	30.10	28.30	30.16	-	-	-	-
October	31.85	28.65	32.01	-	-	-	-
November	28.50	24.50	28.23	-	-	-	-
December	24.19	20.19	23.74	-	-	-	-

Source: Monthly OPEC Bulletins.

Contd.....

DEVELOPMENT OF SPOT PRICES OF KEY OPEC CRUDE OILS SINCE JANUARY 1988

(US $ barrel)

Month	Arab Light 34	Arab Heavy 27	Iran Light 33.9	Kuwait (Export) 31	Iraq Basrah 34	UAE Murban 39.10	Qatar Dukhan 10
1	2	3	4	5	6	7	8
1991							
January	20.70	16.70	20.20	-	-	-	-
February	15.31	11.26	15.11	-	-	-	-
March	15.94	11.84	15.89	-	-	-	-
April	16.31	12.71	16.29	-	-	-	-
May	16.59	13.39	16.97	-	-	-	-
June	16.13	12.93	16.23	-	-	-	-
July	17.02	13.88	16.82	-	-	-	-
Aug ust	17.38	14.28	17.19	-	-	-	-
September	18.28	15.08	18.35	-	-	-	-
October	19.64	16.44	19.45	-	-	-	-
November	19.03	15.83	18.99	-	-	-	-
December	16.25	13.16	15.98	-	-	-	-
1992							
January	15.90	12.70	15.80	-	-	-	-
February	16.48	13.28	16.33	-	-	-	-
March	16.45	13.35	16.30	-	-	-	-
April	17.37	14.52	17.18	-	-	-	-
May	18.36	15.76	18.18	16.81	-	-	-
June	19.79	17.19	19.54	18.24	-	-	-
July	19.29	16.69	19.09	17.74	-	-	-
August	18.63	16.03	18.43	17.08	-	-	-
September	19.10	16.50	18.91	17.50	-	-	-
October	18.94	16.34	18.74	17.34	-	-	-
November	17.78	15.38	17.70	16.28	-	-	-
December	16.88	14.48	16.78	15.29	-	-	-
1993							
January	15.92	13.52	15.74	14.59	-	-	-
February	16.84	14.32	16.48	15.34	-	-	-
March	17.39	14.44	16.25	15.69	-	-	-
April	17.33	14.38	16.25	15.63	-	-	-
May	16.87	14.03	16.43	15.17	-	-	-
June	16.37	13.57	15.17	14.67	-	-	-
July	15.12	12.32	15.16	13.42	-	-	-
August	15.26	12.50	15.25	13.59	-	-	-
September	14.70	12.10	13.95	12.74	-	-	-
October	15.48	13.08	14.41	13.88	-	-	-
November	14.30	11.88	13.25	12.75	-	-	-
December	12.50	10.20	12.44	1 t.20	-	-	-
1994							
January	13.63	11.18	13.09	11.88	-	-	-
February	13.46	11.01	13.01	11.71	-	-	-
March	12.94	10.99	12.58	11.68	-	-	-
April	14.27	12.27	13.66	13.07	-	-	-
May	15.43	13.80	14.58	14.18	-	-	-
June	16.46	14.80	15.89	15.12	-	-	-
July	17.07	15.67	16.56	16.07	-	-	-
August	16.63	15.33	16.20	15.55	-	-	-
September	15.89	14.99	15.42	14.69	-	-	-
October	16.07	14.37	15.51	14.92	-	-	-
November	16.68	15.00	16.13	15.55	-	-	-
December	16.19	14.59	15.78	15.14	-	-	-
1995							
January	16.76	15.24	16.33	15.71	-	-	-
February	17.29	15.81	16.82	16.24	-	-	-
March	17.26	16.16	17.09	16.21	-	-	-

Source: Monthly OPEC Bulletin.

DEVELOPMENT OF SPOT PRICES OF MAJOR PETROLUM PRODUCTS IN KEY TRADING CENTRES OF THE WORLD DURING 1994 and 1995

Market/Product:	1994					1995			
	Jan.	March	June	Sept.	Dec.	Jan.	March	June	Sept.
NAPHTHA:									
North Europeon Market, FOB Rotterdam	14.72	15.15	18.10	17.88	18.99	18.02	19.21	20.03	18.24
South EuropeomMarket, FOB Italy	13.09	13.23	16.60	16.28	16.96	16.38	17.39	18.08	16.38
Caribbean Cargoes	14.82	14.97	19.12	16.96	17.62	18.36	17.05	18.81	18.24
Singapure Cargoes	13.41	13.35	16.75	17.54	18.54	17.96	19.02	18.75	16.37
Middle East FOB	13.17	13.28	16.54	17.33	18.06	17.61	18.12	18.48	16.28
GASOLINE (Premium 0.15 g/Litre)									
North Europeom Market, FOB Rotterdam	16.79	16.96	21.23	19.98	18.28	18.65	20.19	22.48	20.72
South Europeam Market, FOB Italy	16.81	17.27	20.99	19.94	18.41	18.69	19.70	21.66	20.58
New York, Unl. Reg. 87.	17.90	18.45	22.16	19.45	19.66	21.37	21.13	24.88	23.32
Singapore Cargoes	18.81	19.11	23.40	20.00	18.34	21.42	22.48	23.79	20.84
JET KERO.									
North Europeon market, FOB Rotterdam	20.74	19.71	20.82	21.35	20.08	20.43	20.89	21.08	22.08
South EuropeomMarket, FOB Italy	19.10	18.30	18.86	19.79	18.32	18.68	19.50	19.12	20.42
US East Coast Market, New York.	26.70	20.57	21.95	21.56	21.69	20.64	19.70	21.18	22.93
Caribbean Cargoes	21.62	17.73	19.13	20.39	20.43	20.26	19.54	19.62	21.25
Singapure Cargoes	22.52	20.73	20.14	22.10	22.51	22.62	21.48	22.04	21.57
Middle East FOB	21.12	19.43	18.84	20.83	20.95	21.11	20.12	20.66	20.09
GAS OIL									
North European Market, FOB Fotterdam	18.96	18.47	19.94	19.84	18.53	18.79	19.44	20.17	20.76
South European Market, FOB Italy	18.62	17.09	18.59	18.44	17.53	18.26	17.82	18.55	19.62
US East Coast Market, New York	20.99	19.88	20.61	19.89	20.33	20.04	19.21	20.11	21.05
Caribbean Cargoes	18.66	17.66	18.14	19.11	19.27	19.65	18.60	19.18	20.19
Singapore Cargoes	21.19	19.59	20.12	20.62	21.69	21.26	21.07	23.35	20.51
Middle East, FOB	19.69	18.19	18.72	19.25	20.05	19.66	19.61	20.91	18.99
FUEL OIL									
North Europeon (1% s)	11.70	12.41	3.68	12.70	16.29	17.12	16.31	15.81	13.67
-do- (3.5% s)	9.12	11.55	13.03	10.87	14.19	15.78	15.76	13.55	12.96
South Europeom(1% s)	12.22	11.83	13.75	12.74	15.29	15.98	15.78	15.16	13.78
-do- (3.5% s)	8.21	9.95	11.40	10.01	13.34	15.16	14.24	12.35	12.17
US East Coast, New York (1% S)	15.19	13.26	15.43	12.81	16.46	16.77	16.24	17.15	14.72
-do- (2.2% s)	11.86	11.07	12.79	11.61	15.31	15.16	15.63	15.74	13.41
Caribbean Cargoes (2.0% s)	10.65	10.22	12.98	10.96	14.59	15.02	15.44	15.55	12.91
-do- (2.8% s)	9.59	9.31	12.72	10.46	14.18	14.66	15.13	15.27	12.41
Singapure Cargoes (0.3% s)	10.73	10.76	14.39	13.29	13.29	14.16	14.28	15.17	14.60
-do- (180C)	10.30	9.43	13.04	11.50	13.06	14.08	15.37	13.50	12.39
-do- (380c)	9.99	8.92	12.84	11.26	12.89	13.98	15.32	13.50	12.28
Middle East FOB (180c)	9.21	8.60	12.23	10.70	11.99	13.10	14.43	12.62	11.03

Source: OPEC Monthly Bulletin.

DEVELOPMENT OF LOWEST POSTED PRICES OF POL PRODUCTS AT BAN DAR MAHSHAR/QUOIN ISLAND

PRICE AS ON	U.S. CenVU.S. Gallon							U.S. $/ Barrel	
	Naphtha Whole (A-316)	Octane 93	Octane 87	Octane 83	Turbine Fuel	Kerosene	Diesel Index	Ind. Diesel	Light Fuel
1	2	3	4	5	6	7	8	9	10
1.1.70	-	9.0	7.9	7.1	9.5	8.9	6.6	2.62	1.42
1.1.71	-	9.0	7.9	7.1	9.5	8.9	6.6	2.70	1.50
1.1.72	-	9.9	8.7	8.0	10.4	9.8	7.5	3.20	1.95
1.1.73	-	10.2	8.9	8.3	80.7	10.1	7.8	3.32	2.07
1.1.74	-	17.3	N.R.	15.4	18.6	18.3	15.7	6.16	3.75
1 1 75	-	35.9	N.R.	34.0	33.7	33.4	30.8	12.11	10.05
1.1.76	-	38.3	N.R.	36.4	36.7	36.4	33.6	12.86	10.80
1.1.77	-	38.3	N.R.	36.4	36.7	36.4	33.6	12.86	10.50
1.1.78	-	41.2	N.R.	39.0	39.6	39.2	36.5	14.35	11.85
1.1.79	-	44.0	41.5	40.5	43.5	42.5	40.5	N.R.	11.15
1.1.80	91.5*	79.3	77.0	76.0	77.5	76.5	73.0	N.R.	22.35
1.1.81	87.0^^	106.3	104.0	102.5	110.0	105.0	102.0	N.R.	31.04
1.1.82	86.0^^	107.8	105.5	104.0	113.5	112.5	106.5	N.R.	32.95
1.1.83	83.0^^	100.8	98.5	97.0	110.0	107.0	103.0	N.R.	31.25
1.1.84	71.5^^	91.0	86.0	85.0	88.0	87.5	83.0	N.R.	28.35
1.1.85	62.5	88.5	84.0	83.0	87.0	N.R.	77.0	N.R.	27.85
1.1.86	63.0	85.5	N.R.	80.0	86.0	N.R.	80.5	N.R.	25.50
1.1.87	34.0	45.5	41.0	40.0	53.0	IN.R.	48.0	N.R.	12.40
1.1.88	38.5	52.2	46.2	42.2	57.5	N.R.	53.0	N.R.	15.50
1.1.89	32.0	52.2	46.2	42.2	64.0	N.R.	48.0	N.R.	13.50
1.1.90	40.0	60.0	NA	50.0	65.0	N.R.	56.5	N.R.	16.00
1.1.91	70.0	114.0	108.0	104.0	108.0	N.R.	92.0	N.R.	22.00
1.1.92	50.0	114.0	108.0	104.0	72.5	N.R.	50.0	N.R.	16.00
1.1.93	50.0	114.0	108.0	104.0	72.0	N.R.	50.0	N.R.	16.00
1.1.94	50.0	N.R.	N.R.	N.R.	67.0	N.R.	50.0	N.R.	16.00

* = Ex-Ras Tanura
^^ = Ex-Kuwait
N.R. = Not reported
Source: Platt's Oil Grams.

WORLD SURVEY OF SELECTED PETROLEUM PRODUCTS PRICES 1994

Country	US$ Exchange Rate in National Currencies	Gasoline	Automotive Diesel Oil	Heavy Fuel Oil for Industry	Light Fuel Oil	
					For House Hold	For Inudstry Use
		(US$ Litre)	(US $ Litre)	(US $/tonnes)	(US$/1000 litres)	
1.	2.	3.	4.	5.	6.	7.
Australia	1.37	0.497	0.498	N.A	N.A.	N.A.
Austria	11.42	N.A.	0.578	100.96	367.74	229.53
Belgium	33.46	1.020	0.610	116.89	223.67	185.62
Canada	1.37	N.A.	0.375	106.62	273.37	144.89
Denmark	6.36	0.888	0.485	140.06	629.56	255.97
Finland	5.22	N.A.	0.639	167.80	285.28	233.93
France	5.55	1.011	0.586	143.77	367.25	255.37
Germany	1.62	1.042	0.612	125.55	260.69	226.68
Greece	242.24	0.827	0.453	168.15	422.30	357.88
Ireland	0.67	0.891	0.794	147.29	355.85	269.93
Italy	1612.83	1.050	0.644	158.79	760.60	639.15
Japan	102.24	N.A.	N.A.	179.75	N.A.	N.A.
Luxembourg	33.46	0.807	0.521	129.14	238.41	212.86
Netherlands	1.82	1.132	0.621	172.91	297.03	N.A.
New Zealand	1.69	0.563	0.274	226.78	N.A.	226.39
Norway	7.06	1.170	0.755	330.17	428.44	343.17
Portugal	166.04	0.931	0.593	156.97	623.06	593.38
Spain	133.96	0.813	0.529	134.46	316.79	275.47
Sweden	7.72	1.017	0.649	165.11	493.52	208.27
Switzerland	1.37	0.911	0,893	142.10	198.37	173.30
Turkey	29778.17	0.547	0.350	120.79	399.00	N.A.
UK	0.65	0.871	0.672	116.72	203.12	171.81
USA	1.00	N.A.	0.294	98.44	250.12	133.64

Source: International Energy Agency-Energy prices and taxes First Quarter 1995.

CONSUMERS/RETAIL PRICES OF SELECTED PETROLEUM PRODUCTS IN VARIOUS COUNTRIES OF THE WORLD AS ON 1.1.1995

S. NO.	COUNTRY	LPG	MOGAS	ATF	KEROSENE	DIESEL	FUEL OIL	EXCHANGE RATE 1US$=
		(.....U.S. Cents/litre.....)						
1.	Singapore	28.81	74.23	N.A.	22.78	32.37	N.A.	1.455 cents
2.	Thailand	22.58	30.82	N.A.	33.78	29.96	16.99	25.37 baht
3.	Hong Kong	46.53	108.76	30.00	36.99	86.81	26.88	7.733 HK$
4.	Malaysia	24.58	42.99	N.A.	19.03	25.44	N.A.	2.559 Mal. cents
5.	Philippines	21.36	34.52	54.38	28.43	28.43	10.76	24.622 pessos
6.	S. Korea	26.25@@	69.70	N.A.	32.46	28.81	15.73	794.78 won
7.	Taiwan	46.03	62.64	33.3	47.84	44.42	14.81	26.34 Taiwan $
8.	India	11.64	58.54	35.62	8.64	23.95	16.36	31.361 Rs.
	Rs./litre	6.55@	16.78	10.99	2.57	6.98	5.15	
9.	Australia	N.A.	47.69	N.A.	N.A.	50.80	N.A.	1.319 Aus. Cents
10.	Canada	N.A.	43.18	N.A.	N.A.	35.97	N.A.	1.415 Canadian cents

Source: PEL, London. @:Rs./Kg. @@: Average of Propane and Butane.

POSTED AIRFIELD PRICES OF JET A-1 FUEL AT MAJOR INTERNATIONAL AIRPORTS AS ON 1ST APRIL OF EACH YEAR

(U.S.C/U.S. Gallon)

Countries	Prices of Jet A.I. Fuel as on 1st April											
Port	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
1	2	3	4	5	6	7	8	9	10	11	12	13
Australia												
Perth	114.88	114.02	87.02	100.94	105.11	N.A.	N.A.	N.A.	N.A.	52.90$	N.A.	N.A.
Sydney	114.88	114.02	87.02	100.94	105.11	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Bahrain	153.40	148.46	120.00	120.00	120.0	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Belgium												
Brussels	159.00	128.00	105.00	115.00	115.00	N.A.	N.A.	N.A.	N.A.	140.00	N.A.	N.A.
Egypt												
Cairo	155.20	121.13	105.00	87.00	93.00	71.49	74.93	119.10	76.80	N.A.	N.A.	N.A.
Ethopia												
Addisababa	156.06	150.32	146.66	115.29	96.09	N.A.	N.A.	N.A.	N.A.	129.13	N.A.	N.A.
France												
Paris	147.90	117.24	138.29	100.59	124.89	61.61	66.24	73.37	61.56	65.28	59.88	60.94
Germany												
Frankfur- t	147.32	107.69	112.84	110.90	119.10	63.20	67.96	74.95	65.07	66.19	60.0- 0	62.29
Netherland												
Amsterdam	142.60	115.00	120.00	120.00	120.00	61.20	65.22	68.95	63.41	150.00	N.A.	N.A.
Italy												
Rome	165.00	135.00	135.00	125.24	138.71	61.58	68.48	75.81	68.70	71.22	63.87	
Kenya												
Nairobi	144.00	168.10	157.61	163.00	160.00	N.A.	N.A.	N.A.	N.A.	95.00	- N.A.	N.A.
Lebanon												
Beirut	185.00	165.00	165.00	100.00	100.00	N.A.	N.A.	N.A.	N.A.	N.A.	- N.A.	N.A.
Malaysia												
Kualalumpur	137.00	135.00	135.00	135.00	135.00	N.A.	N.A.	N.A.	N.A.	64.95	N.A.	N.A.
Mauritius												
Plaisance	140.00	126.00	125.00	60.00	74.46	N.A.	N.A.	N.A.	N.A.	98.00	- N.A.	N.A.
Singapore												
Paya lebar/Chan- gi	137.00	128.50	128.50	90.00	90.00	51.34	63.10	69.07	60.61	61.85	58.42-	57.87
Switzerland												
Geneve	155.73	105.58	118.94	118.93	118.15	62.90	67.93	70.51	62.31	137.30	59.77	64.71
U.A.E.												
Abu Dhabi	154.88	100.45	73.28	65.44	69.11	N.A.	N.A.	N.A.	N.A.	N.A.	- N.A.	N.A.
Sharjah/ Dubai	154.88	147.58	119.93	99.98	109.95	73.48	78.11	99.31	75.32	120.00	76.32	80.00
UNITED KINGDOM												
London (H)	154.76	129.89	132.14	136.41	182.17	61.95	66.37	72.71	65.98	64.98	56.80	57.00
Karachi	123.28	175.50	175.50	175.50	154.50	N.A.	N.A.	N.A.	N.A.	135.00	N.A.	N.A.
Kuwait	113.96	98.15	82.44	70.59	72.73	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
New Yor- k(2)	112.00	77.75	59.87	49.10	60.80	62.96	64.98	65.00	59.03	58.41	53.07	52.74
Tehran(1)	100.96	122.13	116.23	135.44	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Japan												
Tokyo	118.96	95.00	86.76	60.00	100.00	78.31	85.75	95.49	82.68	90.82	79.59	72.03
Bombay	145.22	106.07	105.75	101.39	101.84	89.90	89.59	128.22	88.06	N.A.	78.00	93.00
Delhi												
Palam	150.22	108.92	108.75	104.10	104.57	91.82	91.28	133.31	88.30	N.A.	78.00	82.93

(1) Monopoly Price (2) Air India Contract Price. $Australian cents per litre.

@:As on 1st January, 1988. @@:Relates to average price. N.A. : Not Available.

INTERNATIONAL PETROLEUM PRICE INDEX (US$/BARREL) DURING 1990-1995

(1990-100)

Year	Petroleum Spot				
	Average Crude Price	Dubai Fateh	U.K. Brent	Alaskan North Slope	West Taxes Intermediate
1990	100.0	100.0	100.0	100.0	100.0
1991	83.0	80.9	83.3	83.3	87.8
1992	82.6	84.0	80.6	82.4	84.1
1993	73.2	73.1	71.0	74,5	75.5
1994	70.2	72.1	65.9	71.6	70.0
1995					
January	74.8	78.6	69.0	76.6	73.3
February	77.4	81.3	71.5	79.3	74.7
March	76.9	80.6	71.0	78.9	74.7

Source:International Financial Statistics Year Book June 1995.

INTERNATIONAL PETROLEUM SPOT PRICE (US$/BARREL) DURING 1984-1995

Year	Petroleum Spot				
	Average Crude Price	Dubai Fateh	U.K. Brent	Alaskan North Slope	West Taxes Intermediate
1984	—	27.49	28.80	28.54	29.38
1985	—	26.46	27.33	27.14	28.14
1986	13.82	13.08	14.50	13.89	15.10
1987	17.79	16.94	18.34	18.08	19.16
1988	14.15	13.22	14.97	14.26	15.96
1989	17.19	15.70	18.22	17.65	19.60
1990	22.05	20.46	23.99	22.03	24.45
1991	18.30	16.54	19.99	18.35	21.46
1992	18.22	17.19	19.34	18.15	20.46
1993	16.13	14.96	17.04	16.40	18.46
1994	15.47	14.76	15.82	15.76	17.10
1995					
January	16.50	16.08	16.55	16.88	17.93
February	17.07	16.64	17.14	17.46	18.27
March	16.96	16.49	17.02	17.38	18.27

Source: International Financial Statistics Year Book June 1995.

TANKER FLEET DEVELOPMENT IN OPEC MEMBER COUNTRIES, 1990-1994

(As at year End—In Thousand DWT)

	1990		1991		1992		1993		1994	
	No.	DWT	No.	DWT	No.	DWT	No.	DWT	No.	DWT
Algeria	1	22.3	1	22.3	1	22.3	1	22.3	1	22.3
Gabon	—	—	—	—	—	—	—	—	—	—
Indonesia	21	537.2	20	524.5	20	524.5	22	583.6	22	583.6
I.R.Iran	35	6,257.0	35	6,257.0	34	5,945.6	32	5,631.2	28	5,536.0
Iraq	17	1,493.0	17	1,493.0	17	1,493.0	17	1,493.0	17	1,493.0
Kuwait	18	1,696.7	17	1,891.8	21	2,549.1	21	2,549.1	28	3,441.5
S .P.Libyan A.J	11	1,321.7	11	1,321.7	11	1,321.7	11	1,321.7	11	1,321.7
Nigeria	2	406.5	2	406.5	2	406.5	2	406.5	3	427.5
Qatar	3	292.6	3	292.6	2	230.5	2	230.5	3	325.7
Saudi Arabia	15	1,854.5	13	1,180.4	11	595.8	11	665.6	12	680.6
UAE	13	893.8	14	906.5	17	1,376.6	15	777.9	17	1,151.8
Venezuela	18	732.7	18	758.5	18	838.4	16	711.0	15	681.5
TOTAL OPEC	**154**	**15,508.0**	**151**	**15.054.8**	**154**	**15.303.9**	**150**	**14,392.4**	**157**	**15,665**
TOTAL WORLD	**3,052**	**258,128.2**	**3,143**	**268,819.0**	**3,177**	**274,341.6**	**3,198**	**280,108.6**	**3,192**	**278,181.2**
OPEC percentage		6.0		5.6		5.6		5.1		5.6

a)Including commercial units, government-owned vessels and tankers converted for purposes other tha transportation. Totals may not add up, due to independent rounding.

Sources: World Tanker Fiet Reveiw, John I Jacobs PLC. Direct Communications to the Secretariat.

World Tanker Fleet a) by Age, 10,000 DWT and over

(As at Year End—in Thousand DWT)

	1978 & earlier		1980-1984		1985-1989		1990-1994		Total	
	No.	DWT	No.	DWT	No.	DWT	No.	DWT	No.	DWT
10.000/16,499	145	2.003.4	63	801.1	62	870.5	37	473.0	307.	4,148.1
16,500/24,999	179	3,825.3	89	1,770.7	23	464.8	21	391.1	312	6,451.9
25,000/29,999	121	3,385.5	59	1,705.9	50	1,428.4	35	1,019.4	265	7,539.1
30,000/34,999	167	5,281.2	40	1,302.4	6	188.9	10	318.4	223	7,090.9
35,000/39,999	115	4,307.6	62	2,353.0	55	2,126.2	37	1,389.7	269	10,176.6
40,000/44,999	9	376.4	25	1,059.0	28	1190.7	34	1426.4	96	4052.5
45,000/49,999	11	533.6	29	1,373.5	30	1,403.0	17	784.8	87	4,094.9
50,000/59,999	49	2,704.4	56	3,139.2	7	412.8	6	337.8	118	6,594.2
60,000/69,999	31	2,045.6	67	4,257.6	24	1.567.0	29	1,914.4	151	9,784.7
70,000/79,999	33	2,537.1	23	1,838.6	6	469,5	3	231.6	65	5,076.8
80,000/89,999	92	7,880.5	46	3,956.0	51	4,330.9	15	1,269.4	204	17,436.8
90,000/99,999	39	3672.5	14	1,334.2	23	2,180.9	99	9,428.1	175	16,615.6
100,000/124,999	60	7,003.7	6	671.0	25	2.717.5	19	2.091.9	110	12,484.2
125,000/139,999	78	10,365.1	6	763.7	9	1,205.0	37	5,061.9	130	17,395.6
140,000/159,999	44	6,607.7	5	750.4	11	1,635.3	38	5,587.5	98	14,580.9
160,000/199,999	20	3,518.3	3	543.4	—	—	1	160.5	24	4,222.2
200,000/249,999	52	12,009.8	2	455.9	18	4,229.7	9	2,158.8	81	18.854.2
250,000/279,999	142	37,708.1	4	1,072.3	23	5,995.8	49	12,809.5	218	57,585.8
280,000/319,999	33	9,912.8	4	1,210.8	2	609.4	60	17,234.7	99	28,967.6
320,000/349,999	7	2,323.1	1	349.4	—	—	—	—	8	2,672.5
350,000/399,999	24	8,822.4	1	350.0	—	—	—	—	25	9,177.4
400,000 & Over	23	10,170.8	—	—	—	—	—	—	23	10,170.8
TOTAL	**1,474**	**146,994.9**	**605**	**31,063.2**	**453**	**33,026.2**	**556**	**64,088.9**	**3,088**	**275,173.2**

a) Commercial fleet as well as tankers converted for purposes other than transportation.b) Includes vessels mentioned under a) and government-owned tankers. Note:Totals may not add up, due to independent rounding. Source: World Tanker Fleet Review, John I. Jacobs PLC.

TOTAL WORLD[b]

Inter-Area Total Oil Movements 1994

To From	USA	Canada	Maxico	S & Cent. America	Western Europe	Africa	Australia	China	Japan	Other Asia*	Rest of World	Unidentified	Total
USA	—	4.0	5.9	12.3	8.5	—	1.1	0.7	1.4	7.7	0.7	3.0	45.3
Canada	60.7	—	—	0.1	0.2	—	—	—	—	0.3	—	4.0	65.3
Mexico	49.0	1.0	—	5.2	10.1	—	—	—	4.4	—	0.9	—	70.6
S Cent. America	107.8	3.7	2.6	—	12.8	1.1	—	—	0.5	3.7	—	—	132.2
Western Eruope	41.9	17.5	—	4.0	—	7.0	—	0.2	0.1	5.8	12.3	—	88.8
Former Soviet Union	1.5	0.1	—	2.7	81.6	0.4	—	1.4	0.4	4.4	27.3	5.0	124.8
Other Eastern Europe	0.2	—	—	—	4.9	—	—	0.1	—	0.2	0.8	—	6.2
Middle East	90.2	5.6	—	31.8	188.6	29.8	10.8	5.4	205.7	230.7	19.6	—	818.2
North Africa	14.3	1.4	—	1.5	97.3	3.5	—	—	0.9	3.9	8.0	—	130.8
West Africa	60.6	3.6	—	12.9	50.3	0.5	—	0.5	1.0	3.6	0.1	—	133.1
E. & S. Africa	—	—	—	—	—	—	—	—	—	0.2	—	—	0.2
Australia	0.9	—	—	—	—	—	—	0.1	4.1	7.0	—	—	12.1
China	3.3	—	—	—	—	—	—	—	12.7	6.0	0.4	—	22.4
Japan	—	—	—	—	—	—	—	0.7	—	5.9	—	—	6.6
South Asia	0.1	—	—	—	0.1	—	—	0.2	1.1	0.4	—	—	1.9
Other Asia	8.9	0.1	—	—	1.9	0.2	8.7	17.4	45.3	4.7	—	—	87.2
Unidentified*	1.5	0.6	—	—	30.3	—	0.9	—	—	0.6	—	—	33.9
Total Imports	440.9	37.6	8.5	70.5	486.6	42.5	21.5	26.7	277.6	285.1	70.1	12.0	1779.6

*Includes changes in the quantity of oil in transit, movements not otherwise shown, unidentified military use, etc.

•Includes South Asia.

WORLD PRIMARY ENERGY CONSUMPTION BY FUEL*-1994

(Million Tonnes Oil Equivalent)

Country/Area	Oil	Natural Gas	Coal	Nuclear Energy	Hydro-Electric	Total
1	2	3	4	5	6	7
USA	807.9	533.2	492.5	173.6	21.4	2028.6
Canada	79.5	63.5	24.9	27.8	26.8	222.5
Mexico	76.6	23.3	4.0	1.1	2.3	107.3
Total North America	964.0	620.0	521.4	202.5	50.5	2358.4
Argentina	19.6	21.9	0.8	2.1	2.0	46.3
Brazil	66.7	4.2	10.1	†	21.2	102.3
Venezuela	19.6	24.9	0.3	—	4.5	49.3
Other S. & Cent. America	80.4	13.7	6.0	—	7.9	108.1
Total S & Cent. America	186.3	64.7	17.2	2.1	35.6	306.0
Australia	11.3	5.8	2.5	—	3.3	22.9
Belgium & Luxembourg	26.8	10.1	8.4	9.9	†	55.2
Denmark	10.1	2.5	8.0	—	†	20.6
Finland	10.4	2.7	4.1	4.7	1.0	22.9
Frace	90.5	27.7	14.1	92.8	6.9	232.0
Germany	135.16	61.1	96.3	39.0	1.6	333.2
Greece	17.2	†	8.2	—	0.2	25.7
Iceland	0.7	—	0.1	—	0.4	1.2
Republic of Ireland	5.2	2.2	2.0	—	0.1	9.4
Italy	92.3	40.9	12.8	—	4.1	150.1
Netherland	36.3	34.2	8.8	0.9	—	80.2
Norway	9.8	—	0.8	—	9.8	20.3
Portugal	11.6	—	3.4	—	0.7	15.7
Spain	53.5	6.5	17.7	14.4	2.4	94.5
Sweden	16.8	0.7	2.1	19.0	5.1	43.7
Switzerland	12.7	2.0	0.2	5.7	3.2	23.8
Turkey	25.8	5.9	21.9	—	3.0	56.6
United Kingdom	83.1	60.9	50.2	22.9	0.6	217.8
Cyprus, Gibraltar & Malta	3.3	—	0.2	—	—	3.5
Total Western Europe	652.5	263.2	261.8	209.3	42.4	1429.3
Former Soviet Union	231.8	493.5	210.3	45.0	20.8	1001.3
of which: Russian Fed.	162.7	335.0	126.5	25.3	15.2	664.6
Ukraine	19.8	73.2	46.1	17.8	1.1	158.0
Others	49.3	85.3	37.7	1.9	4.5	178.7
Czech Rep. & Slovakia	10.5	10.2	29.9	6.6	0.4	57.6
Hungary	7.9	8.0	4.0	3.6	†	23.6
Poland	14.7	8.2	71.6	—	0.2	94.6
Other Eastern Europe	26.0	24.6	33.8	5.4	3.5	93.2
Total Eastern Europe	290.9	544.5	349.6	60.6	24.9	1270.3
Total Middle East	179.8	110.7	5.1	—	1.3	297.0
South Africa	18.8	—	73.5	2.6	0.2	95.2
Other Africa	80.9	36.8	7.0	—	6.6	131.2
Total Africa	99.7	36.8	80.5	2.6	6.8	226.4
Australia	34.1	17.0	37.9	—	1.4	90.4
China	144.1	14.9	572.0	3.1	14.5	748.7
India	67.6	15.7	121.8	1.3	6.0	212.4
Indonesia	39.9	24.2	4.0	—	0.8	68.9
Japan	268.7	54.3	82.0	67.3	6.3	478.5
Malaysia	15.5	12.2	1.8	—	0.4	29.9
New Zealand	5.8	4.0	1.3	—	2.2	13.3
Philippines	15.1	—	1.5	—	0.5	17.0
Singapore	23.7	1.4	—	—	—	25.0
South Korea	85.1	7.6	26.5	15.1	0.4	134.8
Taiwan	32.4	3.6	16.2	9.0	0.8	61.9
Thailand	29.3	9.1	6.2	—	0.4	45.0
Other Asia	37.9	20.3	46.4	0.2	5.8	110.6
Total Asia & Australia	799.2	184.3	917.6	96.0	39.5	2036.4
TOTAL WORLD	3172.4	1824.2	2153.2	573.1	201.0	7923.8
of which: OECD	1921.8	958.5	904.2	479.1	102.8	4366.4
European Union 12	561.7	246.1	229.9	179.9	16.6	1234.4
Other EME$	956.4	321.2	899.2	33.4	73.3	2283.6

*In this Review, primary energy comprises commercially traded fuels only. Excluded, therefore, are fuels such as wood, peat and animal waste which, though important in many countries, are unrelile documented in terms of consumption statistics

†Less than 0.05

$Excludes Eastern Europe

PER CAPITA PRIMARY ENERGY CONSUMPTION-SOME INTERNATIONAL COMPARISONS (1994)

(Kgm.Oil Equivalent)

Country/Area	Oil	Natural Gas	Coal	Nuclear Energy	Hydro-Electric	Total
1	2	3	4	5	6	7
USA	3134	2068	1910	673	83	7869
Canada	2760	2205	864	965	931	7726
Maxico	851	259	44	12	25	1192
Total North America	2560	1646	1384	538	134	6262
Austria	1430	734	316	—	418	2899
Belgium&Luxemburg	2577	971	808	952	+	5308
Denmark	1942	481	1538	—	+	3961
Finland	2039	529	804	921	196	4490
France	1574	4817	245	1614	120	4035
Germany	1674	757	1193	483	20	4129
Greece	1654	+	788	—	19	2471
Iceland	2333	—	333	—	1333	4000
Republic of Ireland	1486	628	571	—	28	2686
Italy	1616	716	224	—	72	2629
Netherlands	2372	2235	575	59	—	5242
Norway	2279	—	186	—	2279	4721
Putugal	1184	—	347	—	71	1602
Spain	1354	164	448	364	61	2392
Sweden	1931	80	241	2184	586	5023
Switzerland	1789	282	28	803	451	3352
Turkey	433	99	367	—	50	950
United Kingdom	1435	1052	867	395	10	3762
Total Western Europe	**1478**	**596**	**593**	**474**	**96**	**3238**
Ex-USSR	883	1879	801	171	79	3813
Czechoslovakia	1019	990	2903	641	39	5592
Hungary	774	784	392	353	+	2314
Poland	384	214	1869	—	5	2470
Others	440	416	572	91	59	1577
Total Eastern Europe	**904**	**1692**	**1087**	**188**	**77**	**3949**
Total Middle East	**1709**	**1052**	**48**	**—**	**12**	**2823**
Australia	1937	966	2153	—	79	5136
China	120	12	478	2	12	626
India*	75	17	136	1	7	236
Indonasia	213	129	21	—	4	368
Japan	2158	436	659	540	51	3843
Malaysia	816	642	95	—	21	1574
New Zealand	1657	1143	371	—	628	3800
Phillippines	233	—	23	—	8	262
Singapore	8464	500	—	—	—	8964
Thiland	504	157	107	—	7	774
Others	110	37	98	14	10	269
Total Asia & Australisia	**250**	**58**	**287**	**30**	**12**	**637**
Total World	**577**	**331**	**391**	**104**	**36**	**1440**
Of which OECD	**1998**	**996**	**940**	**498**	**107**	**4540**

*Estimated on the basis of financial year datec + Negligible

Source (i) BP Statistical Rview of World Energy June, 1994

(ii) World Development Report 1995 for population projections.

PER CAPITA CONSUMTPION OF MAIN PETROLEUM PRODUCTS-SOME INTERNATIONAL COMPARISONS 1994

Kg./per capita

Country/Area	Gasoline	Middle Distillates	Fuel	Other*	Total
1	2	3	4	5	6
USA	1313	955	209	656	3134
Canada	931	906	239	681	2759
Maxico	252	161	279	159	851
Japan	484	740	560	374	2158
Australasia	720	711	128	332	1891
India	4	45	11	11	71
Western Europe	371	607	250	256	1485

*IIncludes Refinery gas LPG, solvents, petrolem coke, bitumen, waxes lubricants and refinery fuel and loss

SOURCES: 1. BP Statistical Review of World Energy June, 1995

2. World Development Report 1995 for Population

NOTE: Figures for India Inserted

TRENDS IN WORLD PRIMARY ENERGY CONSUMPTION

(Millions Tonnes Oil Equivalent)

Year	Oil	Natural Gas	Coal	Hydro Electricity	Nuclear Energy	Total
1	2	3	4	5	6	7
1975	2720.9	1084.5	1715.3	353.4	86.1	5960.2
1976	2891.1	1145.7	1785.4	364.0	106.5	6292.7
1977	2984.2	1167.7	1830.0	373.3	132.1	6487.3
1978	3084.4	1213.3	1860.3	405.6	151.6	6715.2
1979	3141.7	1282.8	1967.9	424.4	155.9	6972.7
1980	3024.1	1296.4	1966.0	433.6	172.9	6893.0
1981	2918.3	1312.1	1959.1	443.2	203.2	6835.9
1982	2820.3	1308.9	2002.2	460.0	222.7	6814.1
1983	2797.3	1325.0	2039.2	482.0	248.0	6891.5
1984	2843.0	1426.5	2114.5	498.7	297.7	7180.4
1985	2826.5	1474.7	2209.6	510.2	350.9	7371.9
1986	2905.2	1487.4	2262.6	519.9	377.4	7552.5
1987	2948.4	1557.8	2341.9	534.3	406.3	7788.7
1988	3038.5	1614.0	2198.9	526.1	435.2	7854.0
1989	3097.8	1707.0	2231.8	526.2	450.6	8013.3
1990	3134.7	1714.1	2200.9	191.3	490.9	7731.9
1991	3141.6	1776.1	2164.5	190.8	535.0	7780.3
1992	3145.6	1759.3	2153.3	190.2	540.8	7789.2
1993	3120.6	1827.1	2142.9	201.0	563.6	7854.7
1994(P)	3172.4	1824.2	2153.2	201.0	573.1	7923.8

SOURCE: Various issues of B.P Statistical Review of World Energy.

P =Provisional.

PRIMARY ENERGY* CONSUMPTION IN SELECTED COUNTRIES/AREAS OF THE WORLD-1985—1994

(Million Tonnes Oil eqvt.)

	1985	1988	1989	1990	1991	1992	1993	1994	Change 1994 over 1993	1994 share of total
USA	1739.0	1902.0	1927.8	1930.7	1923.2	1954.2	1993.3	2028.6	1.8%	25.6%
Canada	184.4	207.9	211.0	202.1	205.4	209.2	214.2	222.5	3.9%	2.8%
Total North America	2013.1	2199.2	2233.7	2231.8	2230.3	2265.6	2309.8	2358.4	2.1%	- 29.8%
Argentina	37.5	44.1	42.5	41.2	43.5	44.0	45.7	46.3	1.3%	0.6%
Brazil	80.2	89.5	91.0	89.7	91.8	95.2	97.1	102.3	5.3%	1.3%
Venezuela	34.9	39.2	38.7	41.6	42.4	43.4	47.0	49.3	5.0%	0.6%
Other S. & Cent. America	80.1	89.0	94.0	95.7	97.1	100.8	103.9	108.1	4.0%	3.9%
Austria	20.3	20.9	21.0	22.3	23.7	22.7	22.8	22.9	0.3%	0.3%
Belgium & Luxembour- g	48.1	151.8	53.1	55.1	56.8	57.0	55.3	55.2	-0.2%	0.7%
Denmark	18.4	18.0	16.5	16.8	19.3	17.7	18.9	20.6	8.9%	0.3%
Finland	20.6	21.8	21.7	21.9	22.4	21.5	21.6	22.9	6.1%	0.3%
France	193.8	204.5	215.2	220.9	233.0	234.2	235.2	232.0	-1.3%	2.9%
Germany	354.5	356.6	349.0	351.5	342.2	337.9	335.1	333.2	-0.6%	4.2%
Greece	18.4	21.4	23.2	24.1	23.9	24.8	24.9	25.7	3.4%	0.3%
Iceland	0,9	1.0	1.0	1.0	1.0	1.1	1.2	1.2	3.1	%c
Republic of Ireland	7.0	7.9	7.8	8.1	8.5	9.0	9.3	9.4	0.8%	0.1%
Italy	132.2	144.5	148.2	151.3	153.0	152.3	149.8	150.1	0.2%	1.9%
Netherlands	69.7	74.3	74.4	76.4	79.2	78.3	79.7	80.2	0.6%	1.0%
Norway	18.3	19.1	19.7	20.1	18.6	19.5	20.3	20.3	-0.3%	0.3%
Portugal	10.5	12.0	14.3	14.7	15.3	16.3	16.1	15.7	-2.0%	0.2%
Spain	72.9	78.7	86.9	89.1	90.6	94.0	92.1	94.5	2.6%	1.2%
Sweden	41.9	41.8	40.7	42.2	42.9	41.2	41.3	43.7	5.7%	0.6%
Switzerland	22.2	22.6	21.6	22.8	23.2	23.9	23.3	23.8	2.1%	0.3%
Turkey	28.6	47.4	49.6	49.5	50.1	54.8	58.6	56.6	-3.5%	0.7%
United King- dom	203.3	211.3	212.5	213.4	217.6	217.0	219.0	217.8	-0.6%	2.7%
Cyprus, Gibraltar & Malta	2.0	2.7	2.7	2.9	2.9	3.6	3.5	3.5	-0.1%	c
Total Western Europe	1283.6	1358.2	1379.6	1404.5	1424.7	1426.8	1428.0	1429.3	0.1%	- 18.0%
Former Soviet Un- ion	1290.3	1375.7	1370.6	1399.2	1348.9	1248.7	1118.2	1001.3	-10.4%	12.- 6%
of which: Russian Federation	804.5	862.2	866.5	853.3	842.3	800.4	735.8	664.6	-9.7%	9.4%
Ukraine	235.0	243.5	234.1	273.4	249.3	219.5	185.1	158.0	-14.6	2.0%
Others	250.8	269.9	270.0	272.5	257.3	228.8	197.3	178.7	-9.4%	2.2%
Czech Rep. & Slovakia	73.7	75.8	73.9	69.5	64.8	57.7	57.7	57.6	-0.6%	0.7%
Hungary	28.2	28.7	28.1	27.5	26.0	24.0	23.7	23.6	-0.4%	0.3%
Poland	125.5	130.7	125.8	105.3	100.8	94.7	96.3	94.6	-1.8%	1.2%
Other Eastern Europe	141.7	153.6	153.1	136.3	114.8	101.0	94.0	93.2	-0.8%	16.0%
Total Eastern Europe	1659.4	1764.4	1751.5	1737.8	1655.3	1526.1	1389.9	1270.3	-8.6%	- 16.0%
Total Middle Eas- t	202.6	233.0	246.2	252.1	254.0	269.3	282.0	297.0	5.3%	3.7%
South Africa	82.0	92.9	89.3	90.5	89.6	87.2	89.9	95.2	5.9%	1.2%
Other Africa	100.4	110.8	117.3	123.4	124.5	127.3	129.0	131.2	1.7%	1.7%
Total Africa	182.4	203.7	206.6	213.9	214.1	214.5	218.9	226.4	3.4%	2.9%
Australia	76.1	81.5	86.4	89.0	84.9	86.4	86.2	90.4	4.8%	1.1%
China	526.5	600.6	640.2	650.6	646.1	681.1	709.5	748.7	5.5%	9.4%
India	128.8	160.5	171.2	179.0	185.5	195.7	202.4	212.4	4.9%	2.7%
Indonesia	35.4	40.6	47.6	53.2	56.4	59.7	63.6	68.9	8.9%	0.9%
Japan	360.7	392.7	408.0	428.1	443:2	450.7	455.7	478.5	5.0%	6.0%
Malaysia	12.4	16.3	19.2	21.5	23.8	25.5	28.2	29.9	5.9%	0.4%
NewZealand	9.3	11.1	11.4	11.8	12.4	13.2	13.1	13.4	1.5%	0.2%
Philippines	9.1	11.6	12..6	13.0	12.8	15.2	15.8	17.0	7.8%	0.2%
Singapore	11.8	16.5	18.9	19.5	19.9	22.0	23.7	25.0	5.8%	0.3%
South Korea	51.8	73.2	79.6	90.3	101.7	114.1	124.6	134.8	8.2%	1.7%
Taiwan	33.3	44.1	46.5	48.9	52.2	55.2	58.6	61.9	5.6%	0.8%
Thailand	16.2	22.3	25.4	29.5	33.2	36.2	40.9	45.0	10.1%	0.6%
Other Asia	82.9	94.9	97.8	102.9	103.8	107.5	110.0	110.6	0.04%	1.4%
Total Asia & Australasia	1354.3	1565.9	1664.8	1737.3	1775.9	1862.5	1932.4	2036.4	5.4%	25.7%
TOTAL WORLD	6928.1	7586.2	7748.6	7845.6	7829.1	7848.2	7854.7	7923.8	0.9%	100.0 %
of which: OECD	3740.8	4040.0	4116.4	4162.3	4192.6	4239.1	4289.3	4366.4	1.8%	55.1%
Euro. Union	1128.8	1180.9	1201.6	1221.8	1239.9	1238.5	1235.4	1234.4	-0.1%	15.6%
Other EMEs	1525.9	1779.1	1878.0	1942.6	1978.3	2079.4	2172.0	2283.6	5.1%	28.8 %

*In this Review, primary energy comprises commercially traded fuels only. Excluded, therfore, are fuels such as wood, peat and animal waste which, though important in many countries, are unreli ly documented in terms of consumption statistics.

c Less than 0.05

Excludes Eastern Europe

COMMERCIAL PRIMARY ENERGY PRODUCTION AND CONSUMPTION BY COUNTRY GROUPS—1970-1995

(Million Tonnes Oil eqvt.)

COUNTRY	1970		1980		1995	
	Production	Consumption	Production	Consumption	Production	Consumption
I. Industrial Market						
Economics	43.2	63.1	49.9	74.2	69.1	92.2
Petroleum	12.6	32.1	14.1	36.8	13.5	34.1
Natural Gas	13.1	13.0	13.6	14.6	14.0	17.5
Solid Fuels	12.8	13.8	14.0	14.6	24.9	23.7
Primary Electricity	4.7	4.7	8.2	8.2	16.7	16.7
II. Non-Market Industrial						
Economics	28.0	27.2	45.0	43.2	63.2	62.5
Petroleum	8.1	7.8	14.8	13.9	15.7	16.3
Natural Gas	3.9	3.9	8.4	8.0	15.9	14.8
Solid Fuels	15.0	14.5	19.7	19.2	25.9	25.7
Primart Electricity	1.0	1.0	2.1	2.1	5.7	5.7
III. Capital Surplus Oil Exporters.	**11.8**	**0.7**	**17.4**	**1.6**	**15.7**	**3.0**
Petroleum	11.7	0.6	16.5	0.9	14.2	1.0
Natural Gas	0.1	0.1	0.9	0.7	1.5	1.2
Solid Fuels	-	-	-	-	-	-
Primary Electricity	-	-	-	-	-	-
IV. Developing Countries	**18.0**	**9.0**	**22.5**	**15.9**	**42.5**	**33.1**
i) Oil Exporters	**14.6**	**2.9**	**16.9**	**5.1**	**29.0**	**11.1**
Petroleum	13.6	2.0	15.0	3.6	21.9	5.9
Natural Gas	0.7	0.6	1.5	1.1	5.7	3.6
Solid Fuels	0.1	0.1	0.1	0.1	0.4	0.6
Primary Electricity	0.2	0.2	0.3	0.3	1.0	1.0
ii) Oil Importers	**3.4**	**6.1**	**5.6**	**10.8**	**13.5**	**22.0**
Petroleum	1.1	3.7	1.0	6.2	1.8	9.0
Natural Gas	0.2	0.2	0.4	0.4	1.5	1.6
Solid Fuels	1.5	1.6	2.6	2.6	5.2	6.4
Primary Electricity	0.6	0.6	1.6	1.6	5.0	5.0
TOTAL WORLD	**101.0**	**100.0**	**134.8**	**134.9**	**190.5**	**190.6**
Petroleum	47.1	46.2	61.4	61.4	67.1	67.1
Natural Gas	18.0	17.8	24.8	24.8	38.6	38.7
Solid Fuels	29.4	29.5	36.4	36.5	56.4	56.4
Primary Electricity	6.5	6.5	12.2	12.2	28.4	28.4
Bankers & Others						

AVERAGE ANNUAL GROWTH RATE OF WORLD SUPPLIES (%)

	1970-80	1980-95
Total World	2.9	2.3
Petroleum	2.7	0.6
Natural Gas	3.3	3.0
Solid Fuels	2.2	3.0
Primary Electricity	6.5	5.8

SOURCE: World Bank Development Report—1983.

ECONOMIC INDICATORS OF OPEC NATIONS DURING 1994

Country	mid-year Population 1994 (million)	GNP* 1994 (Bn.$)	per capita GNP 1994($)	Oil* exports 1994 (Bn.$)	Total* exports FOB (Bn.$)	Oil ex--ports as %of total exports	Oil re-*serves Dec. 94 (Bn.bbls)	Gas re-*serves Dec.94 (Bn. CM)	Produc-ing oil wells (Dec.94)	Refining-capacity Dec. 94 (000/bbls/day)	Exports[1] of products (000bbls/day)
1	2	3	4	5	6	7	8	9	10	11	12
Algeria	27.67	42.22	1526	6.36	9.60	66.3	9.98	3720	1145	468.6	384.0
Gabon	1.35	5.25	3883	1.67	1.87	89.3	2.35	104	405	20.0	6.0*
Indonesia	193.71	171.28	884	5.22	36.64	14.2	5.13	1934	8879	895.3	250.1
I.R. Iran	63.08	45.43	720	15.07	16.32	92.3	94.30	21000	900	1092.0	75.0*
Iraq	2 1.63	22.50	1040	0.33	0.40	82.5	100.00	3103	NR	603.0	20.0*
Kuwait	2.54	23.50	9266	10.40	10.81	96.2	96.50	1499	730	820.0	622.3
Libya	5.23	22.13	4234	7.14	7.66	93.2	22.80	1310	1227	342.0	130.0*
Nigeria	128.76	31.00	241	10.03	1041	96.3	20.99	3647	1827	400.5	25.0*
Qatar	0.45	7.25	16204	2.42	2.75	88.0	2.78	8985	307	63.0	103.0*
Saudi	16.72	125.71	7521	37.53	41.52	90.4	261.37	5387	1372	1670.0	1360.1
U.A.E.	1.75	36.78	21003	12.20	21.44	56.9	98.10	5799	1312	205.0	155.0*
Venezuela	21.18	55.04	2598	10.34	15.71	65.8	64.88	3965	14522	1181.0	633.5
TOTAL	**484.06**	**588.09**	**1215**	**118.70**	**175.14**	**67.8**	**780.17**	**60454**	**32901**	**7760.4**	**3764.0**

cTotal includes figures for Saudi Arbian-Kuwaiti Divided Zone.

*provisional or estimated figures, as of July 14,1995.

NR = Not reported;

1) Including re-exports and exports of petroeum products from gas plants.

Note: Figures when adde up may not correspond to totals due to rounding of.

PART-II
PLAN STATISTICS

EIGHTH PLAN
ACTUAL EXPENDITURE FOR SEVENTH PLAN, 1990-91 TO 1993-94, REVISED ESTIMATES FOR 1994-95 AND BUDGET ESTIMATES FOR 1995-96 FOR MINISTRY OF PETROLEUM & NATURAL GAS

(Rs.Crores)

Undertaking	7thPlan Expenditure 1985-90	Actual Expenditure 1990-91	1991-92	1992-93	1993-94	1994-95 (RE)	1995-96 (BE)
A.EXPLORATION & PRODUCTION	**14404**	**3069**	**2722**	**4726**	**8148**	**7758**	**7397**
1. ONGC	11603	2738	2340	4249	7722	7000	5524
2. OIL	829	205	243	265	311	395	610
3. GAIL	1801	126	139	212	115	363	1253
4. Ministry of Petroleum & Natural Gas	171	—	—	—	—	—	—
B.REFINING & MARKETING	**1613**	**523**	**618**	**972**	**1442**	**2751**	**4542**
1. IOC	641	293	386	366	673	1856	2616
2. HPCL	393	92	91	171	229	259	748
3. BPCL	390	56	52	55	75	110	479
4. MRL	76	33	48	201	137	58	45
5. CRL	66	33	16	86	155	121	61
6. BRPL	Neg	Neg	8	42	75	79	73
7. Lubrizol India Ltd.	25	13	8	5	11	24	4
8. Engineers India Ltd.	21	1	1	4	7	6	6
9. IBP Co. Ltd.	1	2	8	42	47	73	110
10.Numaligarh Refinery Ltd.	—	—	—	—	33	165	400
C. PETROCHEMICALS	**252**	**16**	**38**	**83**	**161**	**407**	**1194**
1. BRPL	121	—	8	3	7	6	31
2. BPCL	13	Neg	Neg	1	2	6	20
3. CRL	83	Neg	2	9	3	9	6
4. IOC	6	2	8	8	13	25	10
5. HPCL	2	3	11	8	1	—	2
6. MRL	25	1	1	3	2	48	225
7. GAIL	2	10	8	51	133	313	900
D. ENGINEERING	**58**	**16**	**18**	**41**	**10**	**36**	**41**
1. IBPCo. Ltd. & Others	58	16	18	41	10	36	41
GRANDTOTAL (A+B+C+D)	**16327**	**3624**	**3396**	**5822**	**9761**	**10953**	**13174**

Neg:Negligible.

EIGHTH PLAN CRUDE OIL PRODUCTION PROFILE

(Mn.Tonnes)

Company/areas	1992-93	1993-94	1994-95	1995-96	1996-97	1992-97
1	2	3	4	5	6	7
A.ONGC						
1.ONSHORE						
Cambay	6.79	7.33	7.80	8.87	8.87	38.97
Assam	3.35	3.76	4.14	4.47	4.72	20.44
Cauvery	0.30	0.35	0.50	0.50	0.50	2.16
K.G.	0.03	0.04	0.04	0.04	0.04	0.20
TOTAL ONSHORE	**10.47**	**11.48**	**12.48**	**13.19**	**14.13**	**61.77**
2. OFF SHORE						
Bombay	14.96	16.88	27.38	27.94	28.06	115.21
K-G	0.11	0.14	1.09	1.21	1.19	3.37
TOTAL OFF SHORE	**15.07**	**17.02**	**28.47**	**29.15**	**29.15**	**118.96**
TOTAL ONGC	**25.54**	**28.50**	**10.95**	**42.35**	**43.35**	**180.73**
B.OIL						
Assam	2.82	3.00	3.25	3.30	3.50	15.87
Arunachal Pradesh	0.10	0.12	0.15	0.15	0.20	0.72
TOTAL OIL	**2.92**	**3.12**	**3.40**	**3.45**	**3.70**	**16.59**
GRAND TOTAL (A+B)	**28.46**	**31.62**	**44.35**	**45.80**	**47.08**	**197.32**
LATEST ESTIMATES	**(26.95)**	**(27.03)**	**(32.23)**	**(37.21)**	**44.45**	**169.09**

Note: The NGL production is included in the total crude oil production. Figures in Parenthesis pertain to actual production.
Source: Draft Report-Eighth Five Year Plan.

EIGHTH PLAN NATURAL GAS PRODUCTION PROFILE

(Bn.-Cubic Metres)

Company/areas	1992-93	1993-94	1994-95	1995-96	1996-97	1992-97
1	2	3	4	5	6	7
A.ONGC						
1.ONSHORE						
Cambay	2.35	2.76	2.98	4.03	4.09	16.21
Assam	0.93	1.05	1.19	1.23	1.28	5.68
Cauvery	0.06	0.07	0.09	0.09	0.09	0.40
K.G.	0.93	1.14	1.11	0.85	0.87	4.90
Tripura	0.10	0.13	0.29	0.46	0.47	1.45
TOTAL ONSHORE	**4.37**	**5.15**	**5.66**	**6.66**	**6.80**	**28.64**
2. OFF SHORE						
Bombay	13.31	13.52	18.09	20.80	20.80	86.52
K-G	0.01	0.01	0.10	0.36	0.34	0.82
TOTAL OFFSHORE	**13.32**	**13.53**	**18.19**	**21.16**	**21.14**	**87.34**
TOTAL ONGC	**17.69**	**18.68**	**23.85**	**27.82**	**27.94**	**115.98**
B.OIL						
Assam & Arunachal Pradesh	1.59	1.69	1.89	2.03	2.24	9.44
GRANDTOTAL(A+B)	**19.28**	**20.37**	**25.74**	**29.85**	**30.18**	**125.42**

Source:Draft Report-Eighth Five Year Plan.

TARGETS FOR EXPLORATION ACTIVITY IN EIGHTH PLAN (1992-97)

	Unit	ONGC	OIL	TOTAL
(1)	(2)	(3)	(4)	(5)
1.Geological and				
Gravimagnetic Survey	Sq.km(.....R & D Work.....)			
2.Seismic Surveys (SLK)				
Onland	'000' Sq. Km.	120	20	140
Offshore	'000' Sq. Km.	129		129
Total	'000' Sq. Km.	249	20	269
3.Exploratory Drilling				
Onland	'000' Metres	2053	209	2262
Offshore	'000' Metres	768	12	780
Total	'000' Metres	2821	221	3042
4.Development Drilling				
Onland	'000' Metres	2707	497	3204
Offshore	'000' Metres	605		605
Total	'000' Metres	3312	497	3809

Source: Eighth Five year Plan Document.

TARGETS FOR OIL SECTOR DURING TERMINAL YEAR OF EIGHTH PLAN AND ACTUALS FOR 1992-93 TO 1994-95

Items	Unit	1992-93 (Actual)	1993-94 (Actual)	1994-95 (Actual)	1996-97 (Target)
1	2	3	4	5	6
1. Production of Crude Oil					
(i) On shore	Mn. Tonnes	11.20	11.65	12.01	17.83
(ii) Off shore	"	15.75	15.38	20.23	29.25
Total	"	26.95	27.03	32.24	47.08
2. Production of Natural Gas					
(i) Onshore	Bn. Cub. Mtrs.	4.71	4.98	5.24	9.04
(ii) Offshore	"	13.35	13.36	14.14	21.14
TOTAL	"	18.06	18.34	19.38	30.18
3. Refining					
(i) Refining capacity (at year end)	Mn. Tonnes	52.75	53.40	56.40	73.55
(ii) Crude throughput	"	53.48	54.30	56.53	65.12
(iii) Production of Pol Products	"	50.36	51.08	52.93	61.20
4. Net Imports					
(a) Qty : Crude Oil	Mn. Tonnes	29.25	30.82	27.35	N.A.
Pol. Products	"	7.56	8.04	10.70	N.A.
TOTAL	"	36.81	38.86	28.05	N.A.
(b) Value : Crude Oil					
Pol. Products	Rs. Crores	15439	16221	16250	N.A.
5. Demand of Pol. products.	Mn. Tonnes	58.90	60.81	65.49	79.37
6. LPG					
(i) Production	Mn. Tonnes	2.57	2.70	2.86	2.06$
(ii) No. of consumers at year end	Million	19.22	20.73	23.14	31.7

Source : Draft Report;Eighth Five Year Plan.

$: LPG production from Natural Gas.

PART - III

FINANCIAL PERFORMANCE/ STRUCTURE

PART - III

FINANCIAL PERFORMANCE/ STRUCTURE

FINANCIAL REVIEW/STRUCTURE OF THE PUBLIC/JOINT SECTOR UNDERTAKINGS UNDER THE PURVIEW OF MINISTRY OF PETROLEUM & NATURAL GAS 1994-95

FINANCIAL STRUCTURE/REVIEW 1994-95

The Financial structure of the Public Sector Undertakings for three years upto 1994-95 is given in the attached statements. The glossary of the terms used is given at the end. The Public Sector Undertakings have been divided into four categories viz ; (A) Oil Exploration and Production (B) Refining and Marketing (C) Petro Chemicals and (D) Engineering Units. In the review that follows, overall financial position of all undertakings has been given followed by an analysis of the consolidated position under each of the above mentioned categories.

OVERALL FINANCIAL POSITION

(Rs./ Crores)

Particulars		1992-93	1993-94	1994-95
1.	Paid up capital	1910.12	1931.74	2525.41
2.	Reserves and Surplus	21272.11	25191.01	29549.52
3.	Loans	19380.08	22994.07	22116.15
4.	Net Worth	21012.89	25318.32	30620.38
5.	Capital Employed	25439.50	29803.10	36326.36
5.1	Net Fixed Assets	15291.60	18800.66	26833.55
5.2	Working Capital	10147.90	11002.44	9438.92
6.1	Sales Turnover	56406.62	58941.56	70496.07
6.2	Other Income	810.82	955.28	1342.28
	Total	57217.44	59896.84	71838.35
7.	Adjusted Gross Profit	3905.35	5901.67	5412.72
8.	Net Profit	2376.92	4024.76	4639.85
9.	Dividend Paid	244.45	269.31	418.37
10.	Corporate Tax	709.05	799.13	891.49

CAPITAL INVESTMENT

The Capital investment defined as the sum total of paid up capital and loans has dicreased by 1.14% from Rs.24925.81 crores in 1993-94 to Rs.24641.56 crores in 1994-95. The decrease in the capital investment in 1994-95 was on account of decrease in loans from Rs.22994.07 crores to Rs.22116.15crores.However,the paid up capital has increased from Rs.1931.74 crores in 1993-94 to Rs.2525.41 crores in 1994-95. The position of changes in paid up capital and total loans is as under :—

PAID-UP CAPITAL

(Rs./Crores)

Sl .No.	Name of the undertaking	1993-94	1994-95	% increase / decrease
1.	Oil & Natural Gas Commission	342.85	345.92	1
2.	Oil India Limited	28.00	70.00	150
3.	Indian Oil Corporation Ltd.	123.2/	369.80	200
4.	Bharat Petroleum Corpn. Ltd.	50.00	150.00	200
5.	Madras Refineries Ltd.	135.75	143.45	6
6.	Hindustan Petroleum Corpon. Ltd.	63.84	191.52	200
7.	IBP Co. Ltd.	7.36	14.76	101
8.	Balmer Lawrie & Co. Ltd.	13.03	16.29	25
9.	Engineers India Ltd.	2.00	18.00	800
10.	Biecco Lawrie Ltd.	1.97	42.00	2032

LOANS

(Rs./Crores)

Sl.No.	Name of the undertaking	1993-94	1994-95	% increase/ decrease
1.	Oil & Natural Gas Commission	12074.31	12811.66	6
2.	Oil India Limited	445.78	368.00	-17
3.	Gas Authority of India Ltd.	866.09	805.89	-7
4.	Indian Oil Corporation Ltd.	6499.90	5366.71	-17
5.	Bharat Petroleum Corpn. Ltd.	405.84	407.80	0
6.	Madras Refineries Ltd.	851.12	828.39	-3
7.	Hindustan Petroleum Corpon. Ltd.	918.03	602.07	-34
8.	IBP Co. Ltd.	287.11	253.59	-12
9.	Cochin Refineries Ltd.	260.21	309.78	19
10.	Indian Oil Blending Ltd.	3.36	0.00	-100
11.	Lubrizol India Ltd.	18.80	31.02	65
12.	Bongaigaon Refineries & Petrochemicals Ltd.	49.70	83.41	68
13.	Balmer Lawrie Ltd.	144.14	134.22	-7
14.	Engineers India Ltd.	1.73	0.50	-71
15.	Biecco Lawrie Ltd.	59.68	8.11	-86
16.	ONGC - V	108.27	105.00	-3
	TOTAL	22994.07	22116.15	-4

The position of the foreign loans during three years 1992-93,1993-94 and 1994-95 is given below:—

	1992-93	1993-94	1994-95
(a) Foreign Loans	14543.08	16047.71	16619.75
(b) Total Loans	19380.08	22994.07	22116.15
(c) % of Foreign Loans to Total Loans	75.00	69.80	75.15

IOC and ONGC together accounts for 96.8 % of total foreign loans outstanding on 31.3.95
The total loans to net worth ratio of all undertakings together decreased from 0.91 in 1993-94 to 0.72 in 1994-95.

CAPITAL EMPLOYED

Capital emplyed defined as the sum total of net fixed assets (net block) and working capital (excluding capital work in progress and capital goods) increased by 21.9% from Rs.29803.10 crores in 1993-94 to Rs.36326.36 crores in 1994-95. This was on account of the increase in net fixed assets from Rs.18800.66 in 1993-94 to Rs.26833.53 in 1994-95.However, the working capital has gone down from Rs.11002.44 crores to Rs.9438.92 crores during the same period. Details of changes in Capital employed is given below :—

(A) NET FIXED ASSETS

(Rs./Crores)

Name of the Undertakings	1993-94	1994-95	% increase/ decrease
1. Oil & Natural Gas Commission	10857.99	17530.12	61.4
2. Oil India Limited	464.63	522.68	12.5
3. Gas Authority of India Limited	1409.18	1313.4	-6.8
4. Indian Oil corporation Limited	2577.52	2879.65	11.7
5. Bharat Petroleum Corp. Ltd.	1083.25	1249.14	15.3
6. Hindustan Petroleum Corp. Ltd.	1210.77	1471.7	21.6
7. Madras Refineries Limited	437.32	711.32	62.7
8. IBP Company Limited	136.34	166.46	22.1
9. Lubrizol India Limited	43.86	76.99	75.5
10. Indian Oil Blending Limited	16.54	16.01	-3.2
11. B.R.P.L.	183.03	195.14	—6.6
12. Engineers India Limited	41.90	48.28	15.2
13. Balmer Lawrie & Co. Limited	48.82	60.49	23.9
14. Biecco Lawrie Limited	0.84	0.98	16.7
15. Cochin Refineries	288.57	591.08	104.8
16. ONGC - Videsh	0.10	0.11	10
TOTAL	18800.66	26833.55	42.7

(B) WORKING CAPITAL

Sl.No.	Name of the undertaking	1993-94	1994-95	% increase/ decrease
1.	Oil & Natural Gas Commission	4092.11	4078.69	-0.3
2.	Oil India Limited	430.14	463.14	7.7
3.	Indian Oil Corporation Ltd.	4411.83	2608.45	-40.9
4.	Gas Authority of India Ltd.	333.73	361.95	8.5
5.	Bharat Petroleum Corpn. Ltd.	33.81	15.64	-53.7
6.	Cochin Refineries Ltd.	103.94	190.26	83.0
7.	Madras Refineries Ltd.	465.60	490.01	5.2
8.	Hindustan Petroleum Corpon. Ltd.	538.51	565.24	5.0
9.	Lubrizol India Ltd.	40.67	42.31	4.0
10.	IBP Co. Ltd.	121.92	130.58	7.1
11.	Indian Oil Blending Ltd.	4.58	8.19	78.8
12.	B.R.P.L	110.66	127.59	15.3
13.	Engineers India Ltd.	111.84	142.55	27.5
14.	Balmer Lawrie & Co. Ltd.	119.98	125.95	5.0
15.	ONGC - V	73.92	71.87	-2.8
16.	Biecco Lawrie Ltd.	9.20	16.50	79.3
		11002.44	9438.92	-14.2

SALES TURNOVER

The sales turnover of all the Undertakings clubbed together increased by 4.5 % from Rs.58941.56 crores in 1993-94 to Rs.70496.07 crores in 1994-95. The company wise share of sales turnover showing the amount is as under :—

Sl. No.	Name of the undertaking	1993-94	(Rs./Crores) % Share	1994-95	(Rs./Crores) % Share
1.	IOC	23700	40.2	28458	40.4
2.	ONGC	9742	16.5	11762	16.7
3.	HPCL	8285	14.1	10417	14.8
4.	BPCL	6428	10.9	7590	10.8
5.	GAIL	3120	5.3	3363	4.8
6.	CRL	2031	3.4	2173	3.1
7.	MRL	1742	3.0	2440	3.5
8.	IBP Co.	1335	2.3	1599	2.3
9.	OIL	951	1.6	993	1.4
10.	BRPL	624	1.1	730	1.0
11.	Others	982	1.7	969	1.4
	Total	58942	100 .0	70496	100.0

PROFITABILITY

The adjusted gross profit which stood at Rs.5901.67 crores during 1993-94 dicreased to Rs.5412.72 crores in 1994-95.The adjusted gross profit expressed as a percentage of sales turnover declined from 10% in 1993-94 to 4.4% in 1994-95. The return on capital employed also dicreased from 18.5% to 17.8%. The net profit, however, increased from Rs.4024.76 crores in 1993-94 to Rs.4639.85 crores in 1994-95.The net profit expressed as a percentage of paid-up Capital dicreased from 208.4% in 1993-94 to 183.7% in 1994-95 while that of net profits to net worth dicreased from 15.9% to 15.2%.

DIVIDENDS

There has been an increase in the quantum of divdends paid by the Public Sector Undertakings over the three years. The total dividend increased from Rs.269.31crores in 1993-94 to Rs.418.37 crores in 1994-95. The highest amount of dividend was paid by Indian Oil Corporation Limited which paid Rs.104.69 crores in 1994-95. The Oil & Natural Gas Corpn. Limited paid a dividend of Rs.68.74 crores in 1994-95.Biecco Lawrie Limited and ONGC's Videsh Ltd. did not declare any dividend during the year under review.

CORPORATE TAX

The contribution made to the National Exchequer by the Public Sector Undertakings by way of Corporate taxes was Rs.891.49 crores in 1994-95 as against Rs.799.13 crores in 1993-94.

(A) EXPLORATION & PRODUCTION

This category includes the following four enterprises and the data in respect of each undertaking is given in Table Nos.5 to 8, while their consolidated position is provided in Table No.4.

1.	Oil & Natural Gas Corporation Ltd.	(ONGC)
2.	ONGCs Videsh Limited	(ONGC-V)
3.	Oil India Limited	(OIL)
4.	Gas Authority of India Limited	(GAIL)

Summary position of these undertakings for three years is as under :—

(Rs./Crores)

Particulars	1992-93	1993-94	1994-95
1. Paid up capital	1246.17	1246.17	1291.24
2. Loans	10839.32	13494.45	14090.55
3. Net Worth	12591.13	15294.04	18813.10
4. Capital Employed	15028.62	17661.80	24341.96
4.1 Net Fixed Assets	10550.93	12731.90	19366.31
4.2 Working Capital	4477.69	4929.90	4975.65
5. Sales Turnover	12219.23	13813.63	16118.07
6. Adjusted Gross Profit	2079.56	3650.44	2870.64
7. Net Profit	1041.37	2430.51	2558.00
8. Dividends	86.19	98.43	136.26
9. Corporate Tax	6.77	148.83	101.93

The salient points of analysis are given as under :—

1. CAPITAL INVESTMENT :

There has been an increase of 4.3% in the Capital investment from Rs.14741 crores in 1993-94 to Rs.15382 crores in 1994-95. The increase in the capital on account of increase in the loans and paid-up capital of the undertakings noted below :

(Rs./Crores)

Particulars	1993-94	1994-95	% increase/ decrese
(A)PAID-UP CAPITAL			
1. Oil India Limited	28.00	70.00	150
2. Oil & Natural Gas Corporation	342.85	345.92	0.9
(B) LOANS			
1. Oil & Natural Gas Corporation	12074.31	12811.66	6.1
2. Gas Authority of India	866.09	805.89	-7
3. Oil India Limited	445.78	368.00	-17.4
4. ONGC-V	108.27	105.00	-3

2. CAPITAL EMPLOYED :

The capital employed registered an increase of 37.8% from 17661.80 crores in 1993-94 to Rs.24341.96 crores in 1994-95. The increase in capital employed comprised of the increases in the Net Fixed Assets and Working Capital as under :—

(A) NET FIXED ASSETS

(Rs./Crores)

Sl.No.	Name of the undertaking	1993-94	1994-95	% increase/ decrease
1.	Oil & Natural Gas Commission	10857.99	17530.12	61.4
2.	Oil India Limited	464.63	522.68	12.5
3.	Gas Authority of India Limited	1409.18	1313.4	-6.8
4.	ONGC Videsh Limited	0.10	0.11	10
	(B) WORKING CAPITAL			
1.	Oil & Natural Gas Commission	4092.11	4078.69	-0.3
2.	Oil India Limited	430.14	463.14	7.7
3.	Gas Authority of India Limited	333.73	361.95	8.5
4.	ONGC Videsh Limited	73.92	71.87	-2.8

3. SALES TURNOVER :

The sales turnover under this category increased from 13813.63 crores in 1993-94 to Rs.16118.07 crores in 1994-95 showing an increase of 16.7%. The sales of Oil & Natural Gas Commission went up from Rs.9742.15 crores in 1993-94 to Rs.11762 crores in 1994-95 and that of GAIL increased from Rs.3120 crores to Rs.3363 crores in the same period. The sales turnover of Oil India Limited increased from Rs.951 crores to Rs.993 crores during the same period.

4. PROFITABILITY :

The adjusted gross profit decreased by 21 % from Rs.3650 crores in 1993-94 to Rs.2871 crores in 1994-95.The gross profits expressed as a percertage of sales turnover decre- ased from 22 % in 1993-94 to 21 % in 1994-95. The ratio of gross profit to capital employed declined from 17.3 % to 13.7 %. The ratios of net profit to paid up capital and net worth were 198.1 % and 13.6 % in 1994-95 against 195 % and 15.9 % respectively in 1993-94.

5. DIVIDEND:

ONGC and OIL have been paying dividend continuosly. GAIL joined the dividend paying companies in 1992-93. The dividend paid by the companies under this group during 1994-95 was Rs.136.3 crores against Rs.98.4 crores paid during 1993-94.

6. CORPORATE TAX :

The contribution made by companies of this group by way of taxes to the national exchequer has decreased from Rs.148.8 crores in 1993-94 to Rs.101.9 crores in 1994-95.

(B) REFINING AND MARKETING

Financial structure and performance of the individual undertakings have been provided in the Table Nos. 10 to 17, while the consolidated position of refining and marketing group has been given in the Table NO.9. Summary position of the undertaking for three years is as under :-

(Rs./Crores)

	Particulars	1992-93	1993-94	1994-95
1.	Paid up capital	447.13	468.75	958.06
2.	Loans	8296.11	9713.12	8757.42
3.	Net Worth	7873.10	9382.95	10974.63
4.	Capital Employed	9788.75	11515.03	11266.92
4.1	Net Fixed Assets	4474.00	5794.17	7162.35
4.2	Working Capital	5314.75	5720.86	4050.68
5.1	Sales Turnover	43072.93	43931.72	53009.48
5.2	Other Income	644.54	664.94	800.24
	Total	43717.47	44596.66	53809.72
6.	Adjusted Gross Profit	1726.04	2092.31	2360.23
7.	Net Profit	1263.77	1481.46	1944.30
8.	Dividends	142.88	151.24	253.92
9.	Corporate Tax	645.10	582.71	715.58

An analysis of the salient features is given below :—

1. CAPITAL INVESTMENT :

During the year the capital investment decreased by 9.8% from Rs.9713 crores in 1993-94 to Rs.8757 crores in 1994-95. The decrease was mainly due to decrease in loans. However,the paid up capital of the companies under this group has increased by 104.4 % form Rs.469 crores in 1993-94 to Rs.958 crores in 1994-95. The details of changes in the paid up capital and total loans of companies under this group are given below :

(Rs./Crores)

	Name of the undertaking	1993-94	1994-95	% increase/ decrease
	(A) PAID UP CAPITAL			
1.	IOC	123.27	369.80	200
2.	BPCL	50.00	150.00	200
3.	HPCL	63.84	91.52	43.4
4.	MRL	135.75	143.45	5.7
5.	IBP	7.36	14.76	100.5
	(B) LOANS			
1.	Indian Oil Corporation Ltd.	6499.90	5366.71	-17.4
2.	BPCL	405.84	407.8	0.5
3.	HPCL	918.03	602.07	-34.4
4.	CRL	260.21	309.78	19
5.	MRL	851.12	828.39	-2.7
6.	IBP Co.	287.11	253.59	-11.7
7.	LIL	18.80	31.02	65
8.	IOBL	3.36	0	-100

The total loans / net worth ratio of the companies under the refining group has decreased from 0.99 in 1993-94 to 0.71 in 1994-95.

2. CAPITAL EMPLOYED :

The capital employed in the Refining and Marketing category decreased by 2.2% from Rs. 11515.03 crores in 1993-94 to Rs.11266.92crores in 1994-95.This was due to significant decrease in working capital from Rs.5720.86 crores to Rs.4050.68 crores during the period.However,the net fixed assets increased from Rs.5794.16 crores in 1993-94 to Rs. 7162.35 crores in 1994-95.

3. SALES TURNOVER :

The sales trunover of the companies under this category has increased by 20.7% from Rs. 43932 crores in 1993-94 to Rs.53009 crores in 1994-95. The details of sales turnover in respect of major companies under this category are as under :—

(Rs./Crores)

	Name of the undertaking	1992-93	1993-94	1994-95
1.	IOC	24289.68	23700.10	28457.90
2.	HPCL	7806.05	8284.99	10417.26
3.	BPCL	5994.43	6427.91	7590.43
4.	CRL	1811.54	2030.88	2173.18
5.	MRL	1627.13	1742.42	2440.34
6.	IBP	1173.77	1334.89	1599.12

4. PROFITABILITY :

The %age of adjusted gross profit to sales turnover was 4.45% during 1994-95as against 4.76% in 1993-94.The adjusted gross profits and net profits were Rs.2360crores and Rs. 1944 crores in 1994-95 against Rs.2092 crores and Rs.1481 crores respectively in 1993-94. The return on capital employed which was 19.7 % during 1993-94 increased to 25.7 % in 1994-95. The ratio of net profit to paid-up capital and net profit to net worth were 203% and 17.7% in 1994-95 against 316% and 15.8 % respectively in 1993-94.

5. DIVIDEND :

During 1994-95, the companies under Refining and Marketing paid out Rs.253.92 crores as dividend as against Rs.151.24 crores in 1993-94. The amount paid in 1992-93 was Rs. 142.88 crores.IOC paid out the highest dividend amounting to Rs.104.69 crores followed by BPCL amounting to Rs.49.50 crores.

6. CORPORATE TAX :

The taxes paid by this group of companies was Rs.715.58 crores in 1994-95 against Rs. 582.71 crores in 1993-94.

(C) PETROCHEMICAL

There is only one undertaking in this category viz., Bongaigaon Refinery & Petrochemicals Ltd. The financial structure and performance of BRPL for three years has been given in Table No.18. The position is as under :—

(Rs./Crores)

	Particulars	1992-93	1993-94	1994-95
1.	Paid up capital	199.82	199.82	199.82
2.	Loans	47.59	49.70	83.41
3.	Net Worth	381.18	405.21	446.29
4.	Capital Employed	339.99	293.69	322.73
4.1	Net Fixed Assets	183.80	183.03	195.14
4.2	Working Capital	156.19	110.66	127.59
5.	Sales Turnover	534.01	624.48	730.21
6.	Adjusted Gross Profit	36.25	55.93	83.01
7.	Net Profit	29.01	37.92	61.06
8.	Dividends	9.99	13.99	19.98
9.	Corporate Tax	29.01	23.78	25.80

An analysis of the salient features is as under :-

1. CAPITAL INVESTMENT :

The capital investment increased from Rs.249.52 crores in 1993-94 to Rs.283.23 crores in 1994-95.

This is due to increase in loans from Rs.49.7 crores in 1993-94 to Rs.83.41 crores in 1994-95. The total loans net worth ratio of the company during 1994-95 has increased from 0.12 in 1993-94 to 0.19 in 1994-95.

2. CAPITAL EMPLOYED:

The capital employed increased by 9.9 % from Rs.293.69 crores in 1993-94 to Rs. 322.73 crores in 1994-95. The increase in capital employed was due to 15.3 % increase in the working capital and 6.6 % increase in net fixed assets of the undertaking as compared to those in 1993-94.

3. SALES TURNOVER :

The Sales trunover increased by 16.9% from Rs.624.48 crores in 1993-94 to Rs.730.21 crores in 1994-95.

4. PROFITABILITY :

The %age of adjusted gross profits to sales trunover stood at 11.37% in 1994-95 as against 8.96% in 1993-94. The return on capital employyed increased from 23.2% to 28.6% in the same period.

The ratio of Net Profit to paid-up capital and net profit to net worth increased from 18.98 % and 9.4% in 1993-94 to 30.6% and 13.7% respectively in 1994-95.

5. DIVIDEND :

BRPL paid a dividend of 19.98 crores during 1994-95 as against 13.99 crores paid during 1993-94.

6. CORPORATE TAX :

The company paid a corporate tax of Rs.25.80 crores in 1994-95 as against Rs.23.78 crores paid in 1993-94.

(D) ENGINEERING UNITS

There are at present 3 undertakings under this category, which are :-

1. Engineers India Limited (EIL)
2. Balmer Lawrie & Co. Limited (BLCL)
3. Biecco Lawrie Limited (BLL)

The consolidated position of the three companies has been given in Table No.19 while those of the individual companies have been provided in Table Nos.20 to 22.

	Particulars	1992-93	1993-94	1994-95
1.	Paid up capital	17.00	17.00	76.29
2.	Loans	197.06	205.55	142.83
3.	Net Worth	167.48	236.12	386.36
4.	Capital Employed	282.14	332.58	394.75
4.1	Net Fixed Assets	82.87	91.56	109.75
4.2	Working Capital	199.27	241.02	285.00
5.	Sales Turnover	580.45	571.73	638.31
6.	Adjusted Gross Profit	63.50	102.99	98.84
7.	Net Profit	42.77	74.87	76.49
8.	Dividends	5.39	5.65	8.21
9.	Corporate Tax	28.17	43.81	48.18

An analysis of the saliet features is as under

1. CAPITAL INVESTMENT :

The Capital investment under this category marginaly decreased by 1.5 % from Rs.222.55 crores in 1993-94 to Rs.219.12 crores in 1994-95. This was, due to 30.5 % decrease in total loans.However,the Paid up Capital of the companies under this group increased by 348.8 % from Rs.17 crores to Rs.76.29 crores during the period.

The details of changes in Paid up Capital and loans are given below :—

(Rs./Crores)

Sl. No.	Name of the Company	1993-94	1994-95	% age increase
		(A) PAID UP CAPITAL		
1.	Balmer Lawrie Company Ltd.	13.03	16.29	25
2.	Biecco Lawrie Limited	1.97	42.00	2032
3.	Engineers India Limited	2.00	18.00	800
		(B) LOANS		
1.	Balmer Lawrie Company Ltd.	144.14	134.22	-6.9
2.	Biecco Lawrie Limited	59.68	8.11	-86.4
3.	Engineers India Limited	1.73	0.5	-71.1

The total loans/net worth ratio has improved from 0.87 IN 1993-94 to 0.37 during 1994-95 due to increase in networth.

2. CAPITAL EMPLOYED :

The capital employed by the engineering units increased by 18.7% from Rs.332.58 crores in 1993-94 to Rs.394.75 crores in 1994-95. The corresponding increase in the preceding year was 17.9 %. The net fixed assets and working capital of the companies under this category was as under :—

(A) NET FIXED ASSETS

(Rs./Crores)

Sl. No.	Name of the Company	1993-94	1994-95	% age increase
1.	Balmer Lawrie Company Ltd.	48.82	60.49	23.9
2.	Biecco Lawrie Limited	0.84	0.98	16.7
3.	Engineers India Limited	41.9	48.28	15.2
	TOTAL	91.56	109.75	19.9

(B) WORKING CAPITAL

Sl. No.	Name of the Company	1993-94	1994-95	% age increase
1.	Balmer Lawrie Company Ltd.	119.98	125.95	5
2.	Biecco Lawrie Limited	9.20	16.50	79.3
3.	Engineers India Limited	111.84	142.55	27.5
	TOTAL	241.02	285	18.?

3. SALES TURNOVER :

The Sales Turnover of the Undertakings in this category increased by 11.6 % from Rs. 571.73 crores in 1993-94 to Rs.638.31 crores in 1994-95. The sales during the preceding year had decreased by 1.5 %. The ratio of adjusted gross profit to sales decreased from 18 % in 1993-94 to 15.5 % during 1994-95.

4. PROFITABILITY:

The adjusted gross profit has decreased form Rs.102.99 crores in 1993-94 to Rs.98.84 crores in 1994-95.The ratio of net profit to paid up capital decreased from 440.41% in 1993-94 to 100.26 % in 1994-95 and the ratio of net Profit to net worth from 31.7 % to 19.8 % during the same period.

5. DIVIDEND :

The companies under this category paid a dividend of Rs.8.21 crores in 1994-95 against Rs.5.65 crores paid during previous year.

6. CORPORATE TAX :

The contribution made by the companies to National Exchequer by way of taxes was Rs. 48.18 crores in 1994-95 as against Rs.43.81 crores paid during the previous year.

CONSOLIDATED FINANCIAL STRUCTURE 1994-95
ALL CATEGORIES

TABLE NO.1

(Rs./Lakhs)

ITEM	Exploration and Production	Refining and Marketing	Petro-chemi-cals.	Engineering & other Serv. Units	Total
1. Authorised Capital	1630000	326960	20000	13000	1989960
2. i) Paid-up Capital	129124	95806	19982	7629	252541
ii) Preference Capital	0	0	0	0	0
iii) Reserves & Surpluses	1868679	1027484	24647	34142	2954952
3. i) Total loans	1409055	779936	8341	14283	2211615
ii) of which foreign	1230962	431013	0	0	1661975
4. Cash credits/advances from banks/others	18176	104071	3053 0	7432	132732
5. Net worth	1881310	1097463	44629	38636	3062038
6. i) Gross Block	2736032	1346971	47989	16961	4147953
ii) Less Depreciation	2243564	630736	28475	5986	2908761
iii) Net fixed assets	1936631	716235	19514	10975	2683355
iv) Working Capital	497565	405068	12759	28500	943892
v) Capital Empl(iii + iv)	2434196	1126692	32273	39475	3632636
7. i) Sales	1611807	5300948	73021	63831	7049607
ii) Other income	48633	80024	1137	4434	134228
TOTAL	1660440	5380972	74158	68265	7183835
8. i) Total emoluments (incl.perks)	84723	76904	2918	12454	176999
ii) of which bonus	3435	868.04	0	123	4426.04
iii) Average Emol. per person	1.46	1.21	1.51	1.54	
9. Inventories	180304	721171	12422	6547	920444
10.Gross profit					
a) Gross Profit before Intt.&Tax	333996	289430	9224	13956	646606
b) Adjusted gross profit	287064	236023	8301	9884	541272
11. Net Profit					
a) Net Profit after intt.& taxes	255800	194430	6106	7649	463985
b) Adjusted net profit	210694	142772	5183	3587	362236
12.Dividends declared	13626	25392	1998	821	41837
13.Corporate Tax	10193.43	71558	2580	4818	89149.43
% age of					
a) NP to paid-up capital	198.10	202.94	30.56	100.26	183.73
Adj.NP to paid-up capital	163.17	149.02	25.94	47.02	143.44
b) NP to Net Worth	13.60	17.72	13.68	19.80	15.15
Adj.NP to Net Worth	11.20	13.01	11.61	9.28	11.83
c) GP to capital emp.	13.72	25.69	28.58	35.35	17.80
Adj.GP to capital emp.	11.79	20.95	25.72	25.04	14.90
d) Sales to Capital Employed	66.22	470.49	226.26	161.70	194.06
e) GP to Sales	20.72	5.46	12.63	21.86	9.17
Adj.GP to Sales	17.81	4.45	11.37	15.48	7.68
f) Loans/Net Worth Ratio	0.75	0.71	0.19	0.37	0.72

SOURCE : 1. Annual Reports of the Companies and data supplied by them.
2. Adjusted/Gross Profits. Net Profits, and other terms are as defined in the glossary of terms.

CONSOLIDATED FINANCIAL STRUCTURE 1993-94
ALL CATEGORIES

TABLE No. .2

(Rs./Lakhs)

ITEM	Exploration and Production	Refining and Marketing	Petro-chemi-cals.	Engineering & other Serv. Units	Total
1. Authorised Capital	1610000	61960	20000	3450	1695410
2. i) Paid-up Capital	124617	46875	19982	1700	193174
ii) Preference Capital	-	-	-	-	0
iii) Reserves & Surpluses	1579326	892252	20539	26984	2519101
3. i) Total loans	1349445	924437	4970	20555	2299407
ii) of which foreign	1044389	556848	3534	-	1604771
4. Cash credits/advances from banks/others	51021	142098	1436	8412	202967
5. Net worth	1529404	938295	40521	23612	2531832
6. i) Gross Block	2642056	1115325	44780	14636	3816797
ii) Less Depreciation	1368866	535909	26477	5480	1936732
iii) Net fixed assets	1273190	579417	18303	9156	1880066
iv) Working Capital	492990	572086	11066	24102	1100244
v) Capital Empl(iii + iv)	1766180	1151503	29369	33258	2980310
7. i) Sales	1381363	4393172	62448	57173	5894156
ii) Other income	24156	66494	1296	3582	95528
TOTAL	1405519	4459666	63744	60755	5989684
8. i) Total emoluments (incl.perks)	67497	58303	2001	9990	137791
ii) of which bonus	2584	8079	-	93	10756
iii) Average Emol. per person	1.13	0.92	1.06	1.23	1.04
9. Inventories	162386	670236	11138	7483	851243
10. Gross profit					
a) Gross Profit before Intt.&Tax	306090	227177	6816	11995	552078
b) Adjusted gross profit	365044	209231	5593	10299	590167
11. Net Profit					
a) Net Profit after intt.& taxes	243051	148146	3792	7487	402476
b) Adjusted net profit	302919	130612	2568	4321	440420
12. Dividends declared	9843	15124	1399	565	26931
13. Corporate Tax	14883	58271	2378	4381	79913
% age of					
a) NP to paid-up capital	195.04	316.04	18.98	440.41	208.35
Adj.NP to paid-up capital	243.08	278.64	12.85	254.18	227.99
b) NP to Net Worth	15.89	15.79	9.36	31.71	15.90
Adj.NP to Net Worth	19.81	13.92	6.34	18.30	17.40
c) GP to capital emp.	17.33	19.73	23.21	36.07	18.52
Adj.GP to capital emp.	20.67	18.17	19.04	30.97	19.80
d) Sales to Capital Employed	78.21	381.52	212.63	171.91	197.77
e) GP to Sales	22.16	5.17	10.91	20.98	9.37
Adj.GP to Sales	26.43	4.76	8.96	18.01	10.01
f) Loans/Net Worth Ratio	0.88	0.99	0.12	0.87	0.91

SOURCE : 1. Annual Reports of the Companies and data supplied by them.
2. Adjusted/Gross Profits. Net Profits, and other terms are as defined in the glossary of terms.

CONSOLIDATED FINANCIAL STRUCTURE 1992-93

TABLE NO.3

ALL CATEGORIES

(Rs./Lakhs)

ITEM	Exploration and Production	Refining and Marketing	Petro-chemi-cals.	Engineering & other Serv. Units	Total
1. Authorised Capital	110000	61960	20000	1950	193910
2. i) Paid-up Capital	124617	44713	19982	1700	191012
ii) Preference Capital	-	-	-	0	0
iii) Reserves & Surpluses	1345884	743076	18146	20105	2127211
3. i) Total loans	1083932	829611	4759	19706	1938008
ii) of which foreign	921730	532578	0	0	1454308
4. Cash credits/advances from banks/others	468	134755	900	6993	143116
5. Net worth	1259113	787310	38118	16748	2101289
6. i) Gross Block	2280888	920030	42902	13006	3256826
ii) Less Depreciation	1225795	472629	24522	4719	1727665
iii) Net fixed assets	1055093	447400	18380	8287	1529160
iv) Working Capital	447769	531475	15619	19927	1014790
v) Capital Empl(iii + iv)	1502862	978875	33999	28214	2543950
7. i) Sales	1221923	4307293	53401	58045	5640662
ii) Other income	11347	64454	2145	3136	81082
TOTAL	1233270	4371747	55546	61181	5721744
8. i) Total emoluments (incl.perks)	62715	58695	1851	8764	132025
ii) of which bonus	2303	3497	9	289	6098
iii) Average Emol. per person	1.07	0.94	1	1.1	1.01
9. Inventories	168753	550000	11967	6462	737182
10. Gross profit					
a) Gross Profit before Intt.&Tax	114867	202749	4135	7397	329148
b) Adjusted gross profit	207956	172604	3625	6350	390535
11. Net Profit					
a) Net Profit after intt.& taxes	104137	126377	2901	4277	237692
b) Adjusted net profit	197225	95003	2391	3230	297849
12. Dividends declared	8619	14288	999	539	24445
13. Corporate Tax	677	64510	2901	2817	70905
% age of					
a) NP to paid-up capital	83.6	282.60	14.50	251.60	124.4
Adj.NP to paid-up capital	158.3	212.50	12.00	190.00	155.9
b) NP to Net Worth	8.3	16.10	7.60	25.50	11.3
Adj.NP to Net Worth	15.7	12.10	6.30	19.30	14.2
c) GP to capital emp.	7.6	20.70	12.20	26.20	12.9
Adj.GP to capital emp.	13.8	17.60	10.70	22.50	15.4
d) Sales to Capital Employed	81.3	440.00	157.10	205.70	221.7
e) GP to Sales	9.4	4.70	7.70	12.70	5.8
Adj.GP to Sales	17.0	4.00	6.80	10.90	6.9
f) Loans/Net Worth Ratio	0.8	1.00	0.12	1.18	0.92

SOURCE : 1. Annual Reports of the Companies and data supplied by them.
2. Adjusted/Gross Profits. Net Profits, and other terms are as defined in the glossary of terms.

CONSOLIDATED FINANCIAL STRUCTURE OF EXPLORATION & PRODUCTION

TABLE NO.4

(Rs./Lakhs)

ITEM	1992-93	1993-94	1994-95
(1)	(2)	(3)	(4)
1. Authorised Capital	110000	1610000	1630000
2. i) Paid-up Capital	124617	124617	129124
ii) Preference Capital	NIL	NIL	NIL
iii) Reserves & Surpluses	1345884	1579326	1868679
3. i) Total loans	1083932	1349445	1409055
ii) of which foreign	921730	1044389	1230962
4. Cash credits/advances from banks/others	468	51021	18176
5. Net worth	1259113	1529404	1881310
6. i) Gross Block	2280888	2642056	2736032
ii) Less Depreciation	1225795	1368866	2243564
iii) Net fixed assets	1055093	1273190	1936631
iv) Working Capital	447769	492990	497565
v) Capital Empl(iii + iv)	1502862	1766180	2434196
7. i) Sales	1221923	1381363	1611807
ii) Other income	11347	24156	48633
TOTAL	1233270	1405519	1660440
8. i) Total emoluments (incl.perks)	62715	67497	84723
ii) of which bonus	2303	2584	2760
iii) Average Emol. per person	1.07	1.13	1.46
9. Inventories	168753	162386	180304
10. Gross profit			
a) Gross Profit before Intt.&Tax	114867	306090	333996
b) Adjusted gross profit	207956	365044	287064
11. Net Profit			
a) Net Profit after intt.& taxes	104137	243051	255800
b) Adjusted net profit	197225	302919	210694
12. Dividends declared	8619	9843	13626
13. Corporate Tax	677	14883	10193
% age of			
a) NP to paid-up capital	83.6	195.04	198.10
Adj.NP to paid-up capital	158.3	243.08	163.17
b) NP to Net Worth	8.3	15.89	13.60
Adj.NP to Net Worth	15.7	19.81	11.20
c) GP to capital emp.	7.6	17.33	13.72
Adj.GP to capital emp.	13.8	20.67	11.79
d) Sales to Capital Employed	81.3	78.21	66.22
e) GP to Sales	9.4	22.16	20.72
Adj.GP to Sales	17.0	26.43	17.81
f) Loans/Net Worth Ratio	0.9	0.88	0.75

SOURCE : 1. Annual Reports of the Companies and data supplied by them.
2. Adjusted/Gross Profits. Net Profits, and other terms are as defined in the glossary of terms.

FINANCIAL STRUCTURE

NAME OF THE COMPANY : OIL & NATURAL GAS CORPORATION LTD.

TABLE No. 5

(Rs./Lakhs)

ITEM	1992-93	1993-94	1994-95
(1)	(2)	(3)	(4)
1. Authorised Capital	NIL	1500000	1500000
2. i) Paid-up Capital	34285	34285	34592
ii) Preference Capital	NIL	NIL	NIL
iii) Reserves & Surpluses	1228080	1423082	1617303
3. i) Total loans	939108	1207431	1281166
ii) of which foreign	863035	972536	1180767
4. Cash credits/advances from banks/others	0	50598	8171
5. Net worth	1077656	1316240	1544800
6. i) Gross Block	1931887	2272272	2360574
ii) Less Depreciation	1072802	1186473	2051726
iii) Net fixed assets	859085	1085799	1753012
iv) Working Capital	381796	409211	407869
v) Capital Empl(iii + iv)	1240881	1495010	2160881
7. i) Sales	868908	974215	1176229
ii) Other income	863	8839	15951
TOTAL	869771	983054	1192180
8. i) Total emoluments (incl.perks)	54586	57845	73861
ii) of which bonus	1950	1950	2759
iii) Average Emol. per person	1.14	1.23	1.61
9. Inventories	139001	136313	152322
10.Gross profit			
a) Gross Profit before Intt.&Tax	82289	244073	249484
b) Adjusted gross profit	175339	316308	233533
11. Net Profit			
a) Net Profit after intt.& taxes	78820	200939	193107
b) Adjusted net profit	171869	273174	177156
12.Dividends declared	6171	6171	6874
13.Corporate Tax	0	12146	1346
% age of			
a) NP to paid-up capital	229.9	586.08	558.24
Adj.NP to paid-up capital	501.3	796.77	512.13
b) NP to Net Worth	7.3	15.27	12.50
Adj.NP to Net Worth	15.9	20.75	11.47
c) GP to capital emp.	6.6	16.33	11.55
Adj.GP to capital emp.	14.1	21.16	
d) Sales to Capital Employed	70.0	65.16	54.43
e) GP to Sales	9.5	25.05	21.21
Adj.GP to Sales	20.2	32.47	19.85
f) Loans/Net Worth Ratio	0.8	0.92	0.83

SOURCE : 1. Annual Reports of the Companies and data supplied by them.

2. Adjusted / Gross Profits, Net Profits, and other terms are as defined in the glossary of terms.

3. The data relate to Oil & Natural Gas Commission till 31-1-94 which had no authorised capital

FINANCIAL STRUCTURE
NAME OF THE COMPANY : ONGC VIDESH LTD:

TABLE No. 6

(Rs./Lakhs)

ITEM	1992-93	1993-94	1994-95
(1)	(2)	(3)	(4)
1. Authorised Capital	5000	5000	5000
2. i) Paid-up Capital	3000	3000	3000
ii) Preference Capital	-	-	
iii) Reserves & Surpluses	11302	11585	11695
3. i) Total loans	841	10827	10500
ii) of which foreign	0	0	0
4. Cash credits/advances from banks/others	0	0	0
5. Net worth	9924	5545	5667
6. i) Gross Block	18	19	21
ii) Less Depreciation	7	9	10
iii) Net fixed assets	11	10	11
iv) Working Capital	1784	7392	7187
v) Capital Empl(iii + iv)	1895	7402	7198
7. i) Sales	NIL	NIL	0
ii) Other income	591	1191	2054
TOTAL	591	1191	2054
8. i) Total emoluments (incl.perks)	24	32	44
ii) of which bonus	1	1	1
iii) Average Emol. per person	1.00	1.04	1.00
9. Inventories	0	0	0
10.Gross profit			
a) Gross Profit before Intt.&Tax	540	1093	1935
b) Adjusted gross profit	540	1093	
11. Net Profit			
a) Net Profit after intt.& taxes	486	283	110
b) Adjusted net profit	486	283	
12.Dividends declared	0	0	0
13.Corporate Tax	54	0	0
% age of			
a) NP to paid-up capital	16.2	9.43	3.67
Adj.NP to paid-up capital	16.2	9.43	0.00
b) NP to Net Worth	4.9	5.10	1.94
Adj.NP to Net Worth	4.9	5.10	0.00
c) GP to capital emp.	30.1	14.77	26.88
Adj.GP to capital emp.	30.1	14.77	
d) Sales to Capital Employed	0	0	N.A
e) GP to Sales	0	0	N.A
Adj.GP to Sales	0	0	
f) Loans/Net Worth Ratio	0.1	1.95	1.85

SOURCE : 1. Annual Reports of the Companies and data supplied by them.
2. Adjusted / Gross Profits, Net Profits, and other terms are as defined in the glossary of terms.

FINANCIAL STRUCTURE
NAME OF THE COMPANY : OIL INDIA LIMITED

TABLE No. 7

(Rs./Lakhs)

ITEM	1992-93	1993-94	1994-95
(1)	(2)	(3)	(4)
1. Authorised Capital	5000	5000	25000
2. i) Paid-up Capital	2800	2800	7000
ii) Preference Capital	0	0	0
iii) Reserves & Surpluses	85919	95022	158354
3. i) Total loans	48719	44578	36800
ii) of which foreign	29372	42290	16764
4. Cash credits/advances from banks/others	468	423	10005
5. Net worth	66425	74231	165354
6. i) Gross Block	101622	111483	103710
ii) Less Depreciation	58308	65020	51441
iii) Net fixed assets	43314	46463	52268
iv) Working Capital	45258	43014	46314
v) Capital Empl(iii + iv)	88572	89477	98582
7. i) Sales	74661	95103	99302
ii) Other income	4551	3649	15474
TOTAL	79212	98752	114776
8. i) Total emoluments (incl.perks)	6897	8236	9042
ii) of which bonus	352	621	675
iii) Average Emol. per person	0.76	0.75	0.90
9. Inventories	23013	19014	18307
10. Gross profit			
a) Gross Profit before Intt.&Tax	6069	19586	37963
b) Adjusted gross profit	6363	16504	23880
11. Net Profit			
a) Net Profit after intt.& taxes	3778	9775	25821
b) Adjusted net profit	4072	6693	11738
12. Dividends declared	448	672	1680
13. Corporate Tax	619	2713	8841
% age of			
a) NP to paid-up capital	134.9	349.11	368.87
Adj.NP to paid-up capital	145.4	239.04	167.69
b) NP to Net Worth	5.7	13.17	15.62
Adj.NP to Net Worth	6.1	9.02	7.10
c) GP to capital emp.	6.9	21.89	38.51
Adj.GP to capital emp.	7.2	18.44	24.22
d) Sales to Capital Employed	84.3	106.29	100.73
e) GP to Sales	8.1	20.59	38.23
Adj.GP to Sales	8.5	17.35	24.05
f) Loans/Net Worth Ratio	0.73	0.60	0.22

SOURCE : 1. Annual Reports of the Companies and data supplied by them.
2. Adjusted/Gross Profits, Net Profits, and other terms are as defined in the glossery of terms.

FINANCIAL STRUCTURE
NAME OF THE COMPANY : GAS AUTHORITY OF INDIA LTD.

TABLE No. 8
(Rs./Lakhs)

ITEM	1992-93	1993-94	1994-95
(1)	(2)	(3)	(4)
1. Authorised Capital	100000	100000	100000
2. i) Paid-up Capital	84532	84532	84532
ii) Preference Capital	0	0	0
iii) Reserves & Surpluses	20583	49637	81327
3. i) Total loans	95264	86609	80589
ii) of which foreign	29293	29563	33431
4. Cash credits/advances from banks/others	0	0	0
5. Net worth	105108	133388	165489
6. i) Gross Block	247361	258282	271727
ii) Less Depreciation	94678	117364	140387
iii) Net fixed assets	152683	140918	131340
iv) Working Capital	18931	33373	36195
v) Capital Empl(iii + iv)	171614	174291	167535
7. i) Sales	278354	312045	336276
ii) Other income	5342	10477	15154
TOTAL	283696	322522	351430
8. i) Total emoluments (incl.perks)	1208	1384	1776
ii) of which bonus	0	12	0
iii) Average Emol. per person	0.82	0.83	0.90
9. Inventories	6739	7059	9675
10.Gross profit			
a) Gross Profit before Intt.&Tax	25969	41338	44614
b) Adjusted gross profit	25714	31139	29651
11. Net Profit			
a) Net Profit after intt.& taxes	21053	32054	36762
b) Adjusted net profit	20798	22769	21800
12.Dividends declared	2000	3000	5072
13.Corporate Tax	4	6	6
% age of			
a) NP to paid-up capital	24.9	37.92	43.49
Adj.NP to paid-up capital	24.6	26.94	25.79
b) NP to Net Worth	20.0	24.03	22.21
Adj.NP to Net Worth	19.8	17.07	13.17
c) GP to capital emp.	15.1	23.72	26.63
Adj.GP to capital emp.	15.0	17.87	17.70
d) Sales to Capital Employed	162.2	179.04	200.72
e) GP to Sales	9.3	13.25	13.27
Adj.GP to Sales	9.2	9.98	8.82
f) Loans/Net Worth Ratio	0.9	0.65	0.49

SOURCE : 1. Annual Reports of the Companies and data supplied by them.
2. Adjusted / Gross Profits, Net Profits, and other terms are as defined in the glossary of terms.

CONSOLIDATED FINANCIAL STRUCTURE OF REFINING AND MARKETING

TABLE No. 9

(Rs./Lakhs)

ITEM	1992-93	1993-94	1994-95
(1)	(2)	(3)	(4)
1. Authorised Capital	61960	61960	326960
2. i) Paid-up Capital	44713	46875	95806
ii) Preference Capital	0	0	0
iii) Reserves & Surpluses	743076	892252	1027484
3. i) Total loans	829611	924437	779936
ii) of which foreign	532578	556848	431013
4. Cash credits/advances from banks/others	134755	142098	104071
5. Net worth	787310	938295	1097463
6. i) Gross Block	920030	1115325	1346971
ii) Less Depreciation	472629	535909	630736
iii) Net fixed assets	447401	579416	716235
iv) Working Capital	531475	572086	405068
v) Capital Empl(iii + iv)	978875	1151503	1126692
7. i) Sales	4307293	4393172	5300948
ii) Other income	64454	66494	80024
TOTAL	4371747	4459666	5380972
8. i) Total emoluments (incl.perks)	58695	58303	76904
ii) of which bonus	3497	8079	868.04
iii) Average Emol. per person	0.94	0.92	1.21
9. Inventories	550000	670236	721171
10. Gross profit			
a) Gross Profit before Intt.&Tax	202749	227177	289430
b) Adjusted gross profit	172604	209231	236023
11. Net Profit			
a) Net Profit after intt.& taxes	126377	148146	194430
b) Adjusted net profit	95003	130612	142772
12. Dividends declared	14288	15124	25392
13. Corporate Tax	64510	58271	71558
% age of			
a) NP to paid-up capital	282.6	316.04	202.94
Adj.NP to paid-up capital	212.5	278.64	149.02
b) NP to Net Worth	16.1	15.79	17.72
Adj.NP to Net Worth	12.1	13.92	13.01
c) GP to capital emp.	20.7	19.73	69
Adj.GP to capital emp.	17.6	18.17	95
d) Sales to Capital Employed	440.0	381.52	470.49
e) GP to Sales	4.7	5.17	5.46
Adj.GP to Sales	4.0	4.76	4.45
f) Loans/Net Worth Ratio	1.1	0.99	0.71

SOURCE : 1. Annual Reports of the Companies and data supplied by them.
2. Adjusted / Gross Profits, Net Profits, and other terms are as defined in the glossary of terms.

FINANCIAL STRUCTURE TABLE NO.10.

NAME OF THE COMPANY : INDIAN OIL CORPORATION LTD.

(Rs./Lakhs)

ITEM	1992-93	1993-94	1994-95
(1)	(2)	(3)	(4)
1. Authorised Capital	15000	15000	250000
2. i) Paid-up Capital	12327	12327	36980
ii) Preference Capital	0	0	0
iii) Reserves & Surpluses	482720	554990	621753
3. i) Total loans	621661	649990	536671
ii) of which foreign	529253	547145	428807
4. Cash credits/advances from banks/others	78934	76966	49650
5. Net worth	495047	567316	658733
6. i) Gross Block	428032	523919	593798
ii) Less Depreciation	236550	266167	305833
iii) Net fixed assets	191482	257752	287965
iv) Working Capital	438267	441183	260845
v) Capital Empl(iii + iv)	629749	698935	548810
7. i) Sales	2428968	2370010	2845790
ii) Other income	50422	48640	52198
TOTAL	2479390	2418650	2897988
8. i) Total emoluments (incl.perks)	31320	34171	42484
ii) of which bonus	2586	2617	19
iii) Average Emol. per person	0.93	1.0	1.26
9. Inventories	221582	392659	418494
10. Gross profit			
a) Gross Profit before Intt.&Tax	92070	99818	138327
b) Adjusted gross profit	71752	93342	103267
11. Net Profit			
a) Net Profit after intt.& taxes	67699	77200	101886
b) Adjusted net profit	45952	70724	66827
12. Dividends declared	4930	4930	10469
13. Corporate Tax	25800	19211	35098
% age of			
a) NP to paid-up capital	549.2	626.27	275.52
Adj.NP to paid-up capital	372.8	573.73	180.71
b) NP to Net Worth	13.7	13.61	15.47
Adj.NP to Net Worth	9.3	12.47	10.14
c) GP to capital emp.	14.6	14.28	25.20
Adj.GP to capital emp.	11.4	13.35	18.82
d) Sales to Capital Employed	385.7	339.09	518.54
e) GP to Sales	3.8	4.21	4.86
Adj.GP to Sales	3.0	3.94	3.63
f) Loans/Net Worth Ratio	1.3	1.15	0.81

SOURCE : 1. Annual Reports of the Companies and data supplied by them.

2. Adjusted/Gross Profits, Net Profits, and other terms are as defined in the glossary of terms.

FINANCIAL STRUCTURE

TABLE NO.11.

NAME OF THE COMPANY : BHARAT PETROLEUM CORPN. LTD.

(Rs./Lakhs)

ITEM	1992-93	1993-94	1994-95
(1)	(2)	(3)	(4)
1.Authorised Capital	5000	5000	20000
2. i) Paid-up Capital	5000	5000	15000
ii) Preference Capital	0	0	0
iii) Reserves & Surpluses	90104	110205	124553
3. i) Total loans	32558	40584	40780
ii) of which foreign	643	9324	701
4. Cash credits/advances	14952	13629	12130
from banks/others			
5. Net worth	95104	115205	139553
6. i) Gross Block	1	77106	207763
249439 ii) Less Depreciation	86385	99439	124525
iii) Net fixed assets	90721	108325	124914
iv) Working Capital	607	3381	1564
v) Capital Empl(iii + iv)	91328	111706	126478
7. i) Sales	599443	642791	759043
ii) Other income		5765	7285
12923 TOTAL	605208	650076	
7719668. i) Total emoluments (incl.perks)	9888	8372	13738
ii) of which bonus	543	5097	495
iii) Average Emol. per person	0.89	0.74	1.20
9. Inventories	123950	89255	108791
10.Gross profit			
a) Gross Profit before Intt.&Tax	32156	39789	49824
b) Adjusted gross profit	27007	33906	39022
11. Net Profit			
a) Net Profit after intt.& taxes	17007	21326	29218
b) Adjusted net profit	11858	15655	20135
12.Dividends declared	1650	1650	4950
13.Corporate Tax		12200	14913
16900 % age of			
a) NP to paid-up capital	340.1	426.52	194.79
Adj.NP to paid-up capital	237.2	313.10	134.23
b) NP to Net Worth	17.9	18.51	20.94
Adj.NP to Net Worth	12.5	13.59	14.43
c) GP to capital emp.	35.2	35.62	39.39
Adj.GP to capital emp.	29.6	30.35	30.85
d) Sales to Capital Employed	656.4	575.43	600.14
e) GP to Sales		5.4	6.19
6.56 Adj.GP to Sales	4.5	5.27	5.14
f) Loans/Net Worth Ratio	0.3	0.35	0.29

SOURCE : 1. Annual Reports of the Companies and data supplied by them.

2. Adjusted / Gross Profits, Net Profits, and other terms are as defined in the glossary of terms.

FINANCIAL STRUCTURE

TABLE NO.12.

NAME OF THE COMPANY : HINDUSTAN PETROLEUM CORPN. LTD.

(Rs./Lakhs)

ITEM	1992-93	1993-94	1994-95
(1)	(2)	(3)	(4)
1. Authorised Capital	10000	10000	25000
2. i) Paid-up Capital	6384	6384	19152
ii) Preference Capital	0	0	0
iii) Reserves & Surpluses	103913	131418	153949
3. i) Total loans	61306	91803	60207
ii) of which foreign	505	379	254
4. Cash credits/advances from banks/others	21062	32878	24776
5. Net worth	110297	137802	158745
6. i) Gross Block	191886	229734	276084
ii) Less Depreciation	94773	108657	128914
iii) Net fixed assets	97113	121077	147170
iv) Working Capital	28806	53851	56524
v) Capital Empl(iii + iv)	125919	174928	203694
7. i) Sales	780605	828499	1041726
ii) Other income	4545	5937	6904
TOTAL	785150	834436	1048630
8. i) Total emoluments (incl.perks)	10631	9237	12226
ii) of which bonus	55	14	0
iii) Average Emol. per person	0.99	0.83	1.10
9. Inventories	89079	92253	90783
10.Gross profit			
a) Gross Profit before Intt.&Tax	42486	51575	61549
b) Adjusted gross profit	40143	48913	58293
11. Net Profit			
a) Net Profit after intt.& taxes	22714	30697	39129
b) Adjusted net profit	20337	28035	35873
12.Dividends declared	2554	3192	3830
13.Corporate Tax	15661	15807	18388
% age of			
a) NP to paid-up capital	355.8	480.84	204.31
Adj.NP to paid-up capital	318.6	439.14	187.31
b) NP to Net Worth	20.6	22.28	24.65
Adj.NP to Net Worth	18.4	20.34	22.60
c) GP to capital emp.	33.7	29.48	30.22
Adj.GP to capital emp.	31.9	27.96	28.62
d) Sales to Capital Employed	619.9	473.62	511.42
e) GP to Sales	5.4	6.23	5.91
Adj.GP to Sales	5.1	5.90	5.60
f) Loans/Net Worth Ratio	0.56	0.67	0.38

SOURCE : 1. Annual Reports of the Companies and data supplied by them.

2. Adjusted / Gross Profits, Net Profits, and other terms are as defined in the glossary of terms.

FINANCIAL STRUCTURE

TABLE NO.13.

NAME OF THE COMPANY : COCHIN REFINERIES LIMITED.

(Rs./Lakhs)

ITEM	1992-93	1993-94	1994-95
(1)	(2)	(3)	(4)
1. Authorised Capital	7500	7500	7500
2. i) Paid-up Capital	6893	6893	6893
ii) Preference Capital	0	0	0
iii) Reserves & Surpluses	29502	34534	43219
3. i) Total loans	17205	26021	30978
ii) of which foreign	2177	0	0
4. Cash credits/advances from banks/others	1369	648	41
5. Net worth	36396	41428	50113
6. i) Gross Block	42919	50059	83259
ii) Less Depreciation	18982	21202	24151
iii) Net fixed assets	23937	28857	59108
iv) Working Capital	12131	10394	19026
v) Capital Empl(iii + iv)	36068	39251	78133
7. i) Sales	181154	203088	217318
ii) Other income	196	159	798
TOTAL	181350	203247	218116
8. i) Total emoluments (incl.perks)	1090	1189	1272
ii) of which bonus	46	5	1
iii) Average Emol. per person	0.85	0.98	1.00
9. Inventories	17077	16602	28147
10.Gross profit			
a) Gross Profit before Intt.&Tax	15540	13763	13454
b) Adjusted gross profit	15337	13701	12513
11. Net Profit			
a) Net Profit after intt.& taxes	8712	6825	10477
b) Adjusted net profit	8509	6763	9535
12.Dividends declared	1654	1792	1792
13.Corporate Tax	6650	5902	702
% age of			
a) NP to paid-up capital	126.4	99.01	151.99
Adj.NP to paid-up capital	123.4	98.11	138.33
b) NP to Net Worth	23.9	16.47	20.91
Adj.NP to Net Worth	23.4	16.32	19.03
c) GP to capital emp.	43.1	35.06	17.22
Adj.GP to capital emp.	42.5	34.91	16.02
d) Sales to Capital Employed	502.3	517.41	278.14
e) GP to Sales	8.6	6.78	6.19
Adj.GP to Sales	8.5	6.75	5.76
f) Loans/Net Worth Ratio	0.5	0.63	0.62

SOURCE : 1. Annual Reports of the Companies and data supplied by them.
2. Adjusted / Gross Profits, Net Profits, and other terms are as defined in the glossary of terms.

FINANCIAL STRUCTURE

TABLE NO. 14.

NAME OF THE COMPANY : MADRAS REFINERIES LIMITED.

(Rs./Lakhs)

ITEM	1992-93	1993-94	1994-95
(1)	(2)	(3)	(4)
1. Authorised Capital	2500	2500	20000
2. i) Paid-up Capital	736	736	14345
ii) Preference Capital	0	0	0
iii) Reserves & Surpluses	8808 1	0478	53537
3. i) Total loans	23398	28711	82839
ii) of which foreign	0	0	1251
4. Cash credits/advances from banks/others	7734	14202	9648
5. Net worth	9525	11198	66539
6. i) Gross Block	9662	16362	110416
ii) Less Depreciation	2127	2728	39284
iii) Net fixed assets	7535	13634	71132
iv) Working Capital	13234	12192	49001
v) Capital Empl(iii + iv)	20769	25826	120456
7. i) Sales	117377	133489	244034
ii) Other income	2088	2360	3666
TOTAL	119465	135849	247700
8. i) Total emoluments (incl.perks)	2517	2695	2734
ii) of which bonus	118	182	91
iii) Average Emol. per person	0.94	0.99	1.53
9. Inventories	6387	9029	60170
10.Gross profit			
a) Gross Profit before Intt.&Tax	4447	5300	16424
b) Adjusted gross profit	2666	3037	16214
11. Net Profit			
a) Net Profit after intt.& taxes	1283	1889	9219
b) Adjusted net profit	-264	-174	9010
12.Dividends declared	199	221	3427
13.Corporate Tax	584	200	-935
% age of			
a) NP to paid-up capital	174.3	256.66	64.27
Adj.NP to paid-up capital	-35.9	-23.64	62.81
b) NP to Net Worth	13.5	16.87	13.86
Adj.NP to Net Worth	-2.8	-1.55	13.54
c) GP to capital emp.	21.4	20.52	13.63
Adj.GP to capital emp.	12.8	11.76	13.46
d) Sales to Capital Employed	565.2	516.88	202.59
e) GP to Sales	3.8	3.97	6.93
Adj.GP to Sales	2.3	2.28	6.64
f) Loans/Net Worth Ratio	2.5	2.56	1.24

SOURCE : 1. Annual Reports of the Companies and data supplied by them.

2. Adjusted / Gross Profits, Net Profits, and other terms are as defined in the glossary of terms.

FINANCIAL STRUCTURE

NAME OF THE COMPANY : IBP CO. LIMITED

TABLE NO.15.

(Rs./Lakhs)

ITEM	1992-93	1993-94	1994-95
(1)	(2)	(3)	(4)
1. Authorised Capital	2500	2500	2500
2. i) Paid-up Capital	736	736	1476
ii) Preference Capital	0	0	0
iii) Reserves & Surpluses	8808	10478	20541
3. i) Total loans	23398	28711	25359
ii) of which foreign	0	0	0
4. Cash credits/advances from banks/others	7734	14202	7221
5. Net worth	9525	11198	11888
6. i) Gross Block	9662	16362	20038
ii) Less Depreciation	2127	2728	3392
iii) Net fixed assets	7535	13634	16646
iv) Working Capital	13234	12192	13058
v) Capital Empl(iii + iv)	20769	25826	34290
7. i) Sales	117377	133489	159912
ii) Other income	2088	2360	3300
TOTAL	119465	135849	163212
8. i) Total emoluments (incl.perks)	2517	2695	2877
ii) of which bonus	118	182	199
iii) Average Emol. per person	0.94	0.99	1.05
9. Inventories	6387	9029	7881
10.Gross profit			
a) Gross Profit before Intt.&Tax	4447	5300	5866
b) Adjusted gross profit	2666	3037	2941
11. Net Profit			
a) Net Profit after intt.& taxes	1283	1889	2352
b) Adjusted net profit	-264	-174	-572
12.Dividends declared	199	221	436
13.Corporate Tax	584	200	177
% age of			
a) NP to paid-up capital	174.3	256.66	159.35
Adj.NP to paid-up capital	-35.9	-23.64	-38.75
b) NP to Net Worth	13.5	16.87	19.78
Adj.NP to Net Worth	-2.8	-1.55	-4.81
c) GP to capital emp.	21.4	20.52	17.11
Adj.GP to capital emp.	12.8	11.76	8.58
d) Sales to Capital Employed	565.2	516.88	466.35
e) GP to Sales	3.8	3.97	3.67
Adj.GP to Sales	2.3	2.28	1.84
f) Loans/Net Worth Ratio	2.46	2.56	2.13

SOURCE : 1. Annual Reports of the Companies and data supplied by them.
2. Adjusted / Gross Profits, Net Profits, and other terms are as defined in the glossary of terms.

FINANCIAL STRUCTURE

TABLE NO.16.

NAME OF THE COMPANY :LUBRIZOL INDIA LTD.

(Rs./Lakhs)

ITEM	1992-93	1993-94	1994-95
(1)	(2)	(3)	(4)
1. Authorised Capital	1920	1920	1920
2. i) Paid-up Capital	1920	1920	1920
ii) Preference Capital	0	0	0
iii) Reserves & Surpluses	4985	6420	7423
3. i) Total loans	3023	1880	3102
ii) of which foreign	0	0	0
4. Cash credits/advances from banks/others	1709	713	605
5. Net worth	6905	8340	9343
6. i) Gross Block	6654	7044	10691
ii) Less Depreciation	2327	2658	2992
iii) Net fixed assets	4327	4386	7699
iv) Working Capital	4734	4067	4231
v) Capital Empl(iii + iv)	9061	8453	12411
7. i) Sales	35009	39031	30222
ii) Other income	157	235	203
TOTAL	35166	39266	30425
8. i) Total emoluments (incl.perks)	886	639	914
ii) of which bonus	0	2	10
iii) Average Emol. per person	1.28	0.96	1.32
9. Inventories	7200	8580	6826
10.Gross profit			
a) Gross Profit before Intt.&Tax	3154	3945	2760
b) Adjusted gross profit	3037	3794	2556
11. Net Profit			
a) Net Profit after intt.& taxes	1512	1914	1484
b) Adjusted net profit	1395	1763	1308
12.Dividends declared	442	480	480
13.Corporate Tax	1237	1714	676
% age of			
a) NP to paid-up capital	78.8	99.69	77.29
Adj.NP to paid-up capital	72.7	91.82	68.13
b) NP to Net Worth	21.9	22.95	15.88
Adj.NP to Net Worth	20.2	21.14	14.00
c) GP to capital emp.	34.8	46.67	22.24
Adj.GP to capital emp.	33.5	44.88	20.59
d) Sales to Capital Employed	386.4	461.74	243.51
e) GP to Sales	9.0	10.11	9.13
Adj.GP to Sales	8.7	9.72	8.46
f) Loans/Net Worth Ratio	0.4	0.23	0.33

SOURCE : 1. Annual Reports of the Companies and data supplied by them.
2. Adjusted / Gross Profits, Net Profits, and other terms are as defined in the glossary of terms.

FINANCIAL STRUCTURE

TABLE NO.17.

NAME OF THE COMPANY :INDIAN OIL BLENDING LTD.

(Rs./Lakhs)

ITEM	1992-93	1993-94	1994-95
(1)	(2)	(3)	(4)
1. Authorised Capital	40	40	40
2. i) Paid-up Capital	40	40	40
ii) Preference Capital	0	0	0
iii) Reserves & Surpluses	1502	1852	2509
3. i) Total loans	508	336	0
ii) of which foreign	0	0	0
4. Cash credits/advances from banks/others	0	0	0
5. Net worth	1542	1892	2549
6. i) Gross Block	2602	3031	3246
ii) Less Depreciation	1129	1377	1645
iii) Net fixed assets	1473	1654	1601
iv) Working Capital	446	458	819
v) Capital Empl(iii + iv)	1919	2112	2420
7. i) Sales	2024	2022	2903
ii) Other income	33	72	32
TOTAL	2057	2094	2935
8. i) Total emoluments (incl.perks)	733	752	859
ii) of which bonus	52	52	53
iii) Average Emol. per person	1.08	N.A	1.02
9. Inventories	92	87	79
10.Gross profit			
a) Gross Profit before Intt.&Tax	730	621	1226
b) Adjusted gross profit	752	541	1217
11. Net Profit			
a) Net Profit after intt.& taxes	356	356	665
b) Adjusted net profit	378	276	656
12.Dividends declared	6	6	8
13.Corporate Tax	310	250	552
% age of			
a) NP to paid-up capital	890.0	890.00	1662.50
Adj.NP to paid-up capital	945.0	690.00	1640.00
b) NP to Net Worth	23.1	18.82	26.09
Adj.NP to Net Worth	24.5	14.59	25.74
c) GP to capital emp.	38.0	29.40	50.66
Adj.GP to capital emp.	39.2	25.62	50.29
d) Sales to Capital Employed	105.5	95.74	119.96
e) GP to Sales	36.1	30.71	42.23
Adj.GP to Sales	37.2	26.76	41.92
f) Loans/Net Worth Ratio	0.3	0.18	0.00

SOURCE : 1. Annual Reports of the Companies and data supplied by them.
2. Adjusted / Gross Profits, Net Profits, and other terms are as defined in the glossary of terms.

FINANCIAL STRUCTURE

TABLE NO.18.

NAME OF THE COMPANY : BONGAIGAON REFINERY & PETROCHEMICALS LTD.

(Rs./Lakhs)

ITEM	1992-93	1993-94	1994-95
(1)	(2)	(3)	(4)
1. Authorised Capital	20000	20000	20000
2. i) Paid-up Capital	19982	19982	19982
ii) Preference Capital	0	0	0
iii) Reserves & Surpluses	18146	20539	24647
3. i) Total loans	4759	4970	8341
ii) of which foreign	0	3534	0
4. Cash credits/advances from banks/others	900	1436	3053
5. Net worth	38118	40521	44629
6. i) Gross Block	42902	44780	47989
ii) Less Depreciation	24522	26477	28475
iii) Net fixed assets	18380	18303	19514
iv) Working Capital	15619	11066	12759
v) Capital Empl(iii + iv)	33999	29369	32273
7. i) Sales	53401	62448	73021
ii) Other income	2145	1296	1137
TOTAL	55546	63744	74158
8. i) Total emoluments (incl.perks)	1851	2001	2918
ii) of which bonus	9	0	0
iii) Average Emol. per person	1.00	1.07	1.51
9. Inventories	11967	11138	12422
10.Gross profit			0
a) Gross Profit before Intt.&Tax	4135	6816	9224
b) Adjusted gross profit	3625	5593	8301
11. Net Profit			0
a) Net Profit after intt.& taxes	2901	3792	6106
b) Adjusted net profit	2391	2568	5183
12.Dividends declared	999	1399	1998
13.Corporate Tax	2901	2378	2580
% age of			
a) NP to paid-up capital	14.5	18.98	30.56
Adj.NP to paid-up capital	12.0	12.85	25.94
b) NP to Net Worth	7.6	9.36	13.68
Adj.NP to Net Worth	6.3	6.34	11.61
c) GP to capital emp.	12.2	23.21	28.58
Adj.GP to capital emp.	10.7	19.04	25.72
d) Sales to Capital Employed	157.1	212.63	226.26
e) GP to Sales	7.7	10.91	12.63
Adj.GP to Sales	6.8	8.96	11.37
f) Loans/Net Worth Ratio	0.12	0.12	0.19

SOURCE : 1. Annual Reports of the Companies and data supplied by them.

2. Adjusted / Gross Profits, Net Profits, and other terms are as defined in the glossary of terms.

FINANCIAL STRUCTURE

TABLE NO.19.

NAME OF THE COMPANY : ENGINEERING SERVICES AND OTHER UNITS

(Rs./Lakhs)

ITEM	1992-93	1993-94	1994-95
(1)	(2)	(3)	(4)
1. Authorised Capital	1950	1950	13000
2. i) Paid-up Capital	1700	1700	7629
ii) Preference Capital	0	0	0
iii) Reserves & Surpluses	20105	26984	34142
3. i) Total loans	19706	20555	14283
ii) of which foreign	0	0	0
4. Cash credits/advances from banks/others	6993	8412	7432
5. Net worth	16748	23612	38636
6. i) Gross Block	13006	14636	16961
ii) Less Depreciation	4719	5480	5986
iii) Net fixed assets	8287	9156	10975
iv) Working Capital	19927	24102	28500
v) Capital Empl(iii + iv)	28214	33258	39475
7. i) Sales	58045	57173	63831
ii) Other income	3136	3582	4434
TOTAL	61181	60755	68265
8. i) Total emoluments (incl.perks)	8764	9990	12454
ii) of which bonus	289	93	123
iii) Average Emol. per person	1.1	1.23	1.54
9. Inventories	6462	7483	6547
10.Gross profit			
a) Gross Profit before Intt.&Tax	7397	11995	13956
b) Adjusted gross profit	6350	10299	9884
11. Net Profit			
a) Net Profit after intt.& taxes	4277	7487	7649
b) Adjusted net profit	3230	4321	3587
12.Dividends declared	539	565	821
13.Corporate Tax	2817	4381	4818
% age of			
a) NP to paid-up capital	251.6	440.41	100.26
Adj.NP to paid-up capital	190.0	254.18	47.02
b) NP to Net Worth	25.5	31.71	19.80
Adj.NP to Net Worth	19.3	18.30	9.28
c) GP to capital emp.	26.2	36.07	35.35
Adj.GP to capital emp.	22.5	30.97	25.04
d) Sales to Capital Employed	205.7	171.91	161.70
e) GP to Sales	12.7	20.98	21.86
Adj.GP to Sales	10.9	18.01	15.48
f) Loans/Net Worth Ratio	1.18	0.87	0.37

SOURCE : 1. Annual Reports of the Companies and data supplied by them.
2. Adjusted / Gross Profits, Net Profits, and other terms are as defined in the glossary of terms.

FINANCIAL STRUCTURE

TABLE NO. 20.

NAME OF THE COMPANY : ENGINEERS INDIA LTD.

(Rs./Lakhs)

ITEM	1992-93	1993-94	1994-95
(1)	(2)	(3)	(4)
1. Authorised Capital	200	200	5000
2. i) Paid-up Capital	200	200	1800
ii) Preference Capital	0	0	0
iii) Reserves & Surpluses	13959	19790	23819
3. i) Total loans	200	173	50
ii) of which foreign	0	0	0
4. Cash credits/advances from banks/others	0	48	0
5. Net worth	14159	19990	25619
6. i) Gross Block	6170	7898	6769
ii) Less Depreciation	2159	2579	3070
iii) Net fixed assets	4011	4190	4828
iv) Working Capital	10316	11184	14255
v) Capital Empl(iii + iv)	14327	15374	19083
7. i) Sales	14953	20938	22401
ii) Other income	1663	1979	2377
TOTAL	16616	22917	24778
8. i) Total emoluments (incl.perks)	5555	6689	8502
ii) of which bonus	199	3	5
iii) Average Emol. per person	1.56	1.77	2.25
9. Inventories	337	178	174
a) Gross Profit before Intt.&Tax	3936	8532	10415
b) Adjusted gross profit	3771	8047	8037
11. Net Profit			
a) Net Profit after intt.& taxes	2935	6031	5988
b) Adjusted net profit	2770	4066	3620
12.Dividends declared	200	200	360
13.Corporate Tax	2417	3981	4418
% age of			
a) NP to paid-up capital	1467.5	3015.50	332.67
Adj.NP to paid-up capital	1385.0	2033.00	201.11
b) NP to Net Worth	20.7	30.17	23.37
Adj.NP to Net Worth	19.6	20.34	14.13
c) GP to capital emp.	27.5	55.50	54.58
Adj.GP to capital emp.	26.3	52.34	42.12
d) Sales to Capital Employed	104.4	136.19	117.39
e) GP to Sales	26.3	40.75	46.49
Adj.GP to Sales	25.2	38.43	35.88
f) Loans/Net Worth Ratio	0.01	0.01	0.00

SOURCE : 1. Annual Reports of the Companies and data supplied by them.
2. Adjusted / Gross Profits, Net Profits, and other terms are as defined in the glossary of terms.

FINANCIAL STRUCTURE

TABLE NO. 21.

NAME OF THE COMPANY : BALMER LAWRIE & COMPANY LTD.

(Rs./Lakhs)

ITEM	1992-93	1993-94	1994-95
(1)	(2)	(3)	(4)
1. Authorised Capital	1500	3000	3000
2. i) Paid-up Capital	1303	1303	1629
ii) Preference Capital	0	0	0
iii) Reserves & Surpluses	6141	7189	10298
3. i) Total loans	13797	14414	13422
ii) of which foreign	0	0	0
4. Cash credits/advances from banks/others	6993	8364	7432
5. Net worth	7444	8492	11927
6. i) Gross Block	6493	7500	8688
ii) Less Depreciation	2287	2618	2639
iii) Net fixed assets	4206	4882	6049
iv) Working Capital	8919	11998	12595
v) Capital Empl(iii + iv)	13125	16880	18644
7. i) Sales	41058	34185	37244
ii) Other income	1468	1599	1969
TOTAL	42526	35784	39213
8. i) Total emoluments (incl.perks)	2616	2717	3336
ii) of which bonus	76	76	99
iii) Average Emol. per person	0.78	0.81	1.00
9. Inventories	5826	6392	5840
10.Gross profit			
a) Gross Profit before Intt.&Tax	3380	3328	3419
b) Adjusted gross profit	2498	2128	1796
11. Net Profit			
a) Net Profit after intt.& taxes	1321	1413	1616
b) Adjusted net profit	439	213	-7
12.Dividends declared	339	365	461
13.Corporate Tax	400	400	400
% age of			
a) NP to paid-up capital	101.4	108.44	99.20
Adj.NP to paid-up capital	33.7	16.35	-0.43
b) NP to Net Worth	17.7	16.64	13.55
Adj.NP to Net Worth	5.9	2.51	-0.06
c) GP to capital emp.	25.8	19.72	18.34
Adj.GP to capital emp.	19.0	12.61	9.63
d) Sales to Capital Employed	312.8	202.52	199.76
e) GP to Sales	8.2	9.74	9.18
Adj.GP to Sales	6.1	6.22	4.82
f) Loans/Net Worth Ratio	1.85	1.70	1.13

SOURCE : 1. Annual Reports of the Companies and data supplied by them.

2. Adjusted / Gross Profits, Net Profits, and other terms are as defined in the glossary of terms.

FINANCIAL STRUCTURE

NAME OF THE COMPANY : BIECCO LAWRIE LTD.

TABLE NO. 22.

(Rs./Lakhs)

ITEM	1992-93	1993-94	1994-95
(1)	(2)	(3)	(4)
1. Authorised Capital	250	250	5000
2. i) Paid-up Capital	197	197	4200
ii) Preference Capital	0	0	0
iii) Reserves & Surpluses	5	5	25
3. i) Total loans	5709	5968	811
ii) of which foreign	0	0	0
4. Cash credits/advances from banks/others	0	0	0
5. Net worth	-4855	-4870	1090
6. i) Gross Block	343	367	375
ii) Less Depreciation	273	283	277
iii) Net fixed assets	70	84	98
iv) Working Capital	692	920	1650
v) Capital Empl(iii + iv)	762	1004	1748
7. i) Sales	2034	2050	4186
ii) Other income	5	4	88
TOTAL	2039	2054	4274
8. i) Total emoluments (incl.perks)	593	584	616
ii) of which bonus	14	14	19
iii) Average Emol. per person	0.58	0.58	0.64
9. Inventories	299	913	533
10.Gross profit			
a) Gross Profit before Intt.&Tax	81	135	122
b) Adjusted gross profit	81	124	51
11. Net Profit			
a) Net Profit after intt.& taxes	21	43	45
b) Adjusted net profit	21	42	-26
12.Dividends declared	0	0	
13.Corporate Tax	0	0	
% age of			
a) NP to paid-up capital	10.7	21.83	1.07
Adj.NP to paid-up capital	10.7	21.32	-0.62
b) NP to Net Worth	-0.4	-0.88	4.13
Adj.NP to Net Worth	-0.4	-0.86	-2.39
c) GP to capital emp.	10.6	13.45	6.98
Adj.GP to capital emp.	10.6	12.35	2.92
d) Sales to Capital Employed	266.9	204.18	239.47
e) GP to Sales	4.0	6.59	2.91
Adj.GP to Sales	4.0	6.05	1.22
f) Loans/Net Worth Ratio	-1.18	-1.23	0.74

SOURCE : 1. Annual Reports of the Companies and data supplied by them.

2. Adjusted / Gross Profits, Net Profits, and other terms are as defined in the glossary of terms.

CAPITAL INVESTMENT OF THE PUBLIC SECTOR UNDERTAKINGS UNDER THE PURVIEW OF MINISTRY OF PETROLEUM & NATURAL GAS AS ON 1.4.94 AND 1.4.95

(Rs.Crores)

Name of the Undertaking	1.4.94 Paid-up Capital	1.4.94 Loans	1.4.94 Total	1.4.94 Govt. Share	1.4.95 Paid-up Capital	1.4.95 Loans	1.4.95 Total	1.4.95 Govt. Share
A. EXPLORATION & PRODUCTION	1246.2	13494.5	14740.7	2549.4	1291.2	14090.6	15381.8	2257.4
1. ONGC	342.9	12074.3	12417.2	1479.4	345.9	12811.7	13157.6	1294.0
2. ONGE Videsh Ltd.	30.0	108.3	138.3	0.0	30.0	105.0	135.0	0.0
3. OIL	28.0	445.8	473.8	152.5	70.0	368.0	438.0	70.0
4. GAIL	845.3	866.1	1711.4	917.5	845.3	805.9	1651.2	893.4
B. MARKETING	468.8	9244.3	9713.1	471.1	1578.4	7221.1	8799.6	918.7
5. IOC	123.3	6499.9	6623.2	123.3	369.8	4865.6	5235.4	355.0
6. BPCL	50.0	405.8	455.8	80.1	150.0	407.8	557.8	150.0
7. HPCL	63.8	918.0	981.8	89.7	191.5	602.1	793.6	289.7
8. CRL	68.9	260.2	329.1	56.5	689.3	309.2	998.5	37.9
9. MRL	135.8	851.1	986.9	105.6	143.5	828.4	971.8	77.3
10.IBP Co. Ltd.	7.4	287.1	294.5	4.4	14.8	177.1	191.9	8.8
11. Lubrizol	19.2	18.8	38.0	11.5	19.2	31.0	50.2	0.0
12.IOB	0.4	3.4	3.8	0.0	0.4	0.0	0.4	0.0
C. PETROCHEMICALS	199.8	49.7	249.5	149.1	199.8	52.9	252.7	148.8
13. BRPL	199.8	49.7	249.5	149.1	199.8	52.9	252.7	148.8
D. ENGINEERING UNITS	17.0	205.5	222.5	45.7	76.3	68.5	144.8	42.1
14. EIL	2.0	1.7	3.7	2.0	18.0	0.5	18.5	18.0
15. Balner Lawrie	13.0	144.1	157.1	0.0	16.3	59.9	76.2	0.0
16. Bicco Lawrie	2.0	59.7	61.7	43.7	42.0	8.1	50.1	24.1
GRAND TOTAL (A+B+C+D)	1931.8	22994.0	24925.8	3215.3	3145.8	21433.1	24578.9	3367.0
				13 %				14 %

GLOSSARY OFTERMS USED FOR TABLES ON FINANCIAL STATISTICS

1.	Loans	These include both secured and unsecured loans but exclude Interest accured, if any, Included in the loans.
2.	Net Worth	This represents paid-up capital plus free reserves less accumulated losses (deficit) and defened revenue expenditure remaining unamortised.
3.	Capital Employed	This means gross block less accumulated depreciation there-on plus workinq capital.
4.	Working Capital	Means all current assets, loans & advances, deposits, investment (Other than non trade (investments) less current liabilities and provisions (excluding cash credit & bank overdrafts ari provision for gratuity.
5.	Sales	Means Net sales turnover i.e. aRer excluding trade discounts and products used for intemal consumption.
6.	Adjusted Gross Profit	Represents exces of income over expenditure before providing for interest on loans, taxes, appropriation to reserves, charges pertaining to previous years, donation, exchange fluctuation, loss on disposal of Assets, Dividends etc.
7.	Adjusted Net Profit	Represents the figure arrived at after deducting from the adjusted gross profit interest On loans bad debts and taxes but before appropriation to reserves.
8.	Dividend Declared	Inciudes also Dreference dividend. if any.
9.	Gross Profits & Net Profit	Thev are as qiven in the Annual Accounts of the Comoanies.

APPENDIX

APPENDIX

(III) PREFIXES USED IN METRIC TABLES

Prefix		Meaning	
Milli	:	One Thousandth	(1/1000=.001).
Centi		One Hundredth	(1/100=.01).
Deci	:	One Tenth	(1/10=.1).
Unit	:	One	(1).
Deka	:	Ten	(10)
Hecto	:	One Hundred	(100).
Kib	:	One Thousand	(1,000).
Mega	:	One Million	(1000,000)

(IV) OTHERS

API	:	American Petroleum Institute.
AFRA	:	Average Freight Rate Assessment.
CIF	:	Cost, Insurance and Freight.
Crores	:	10 million/100 Lakhs.
DWT	:	Dead Weight Tonnage.
FOB	:	Free on Board.
GP	:	General Purpose (16,500-24,999 dwt). \
LV	:	Low Viscosity.
HV	:	High Viscosity.
HVI	:	High Viscosity Index
KL	:	Kiblitre
LR I	:	Large Range I (45,000-79, 999 dwt).
LR II	:	Large Range II (80,000-159,999 dwt).
LVI	:	Medium Range(25,000-49,999dwt).
MT	:	Metric Ton.
MTPA	:	Million Tonnes Per Annum.
MV	:	Medium Viscosity.
MVI	:	Medium Viscosity Index.
R&D	:	Research & Development.
ULCC	:	Ultra Large Crude Carrier (320,000-549,999 dwt).
VLCC	:	Very Large Crude Carrier (160,000 dwt and more).
NA	:	Not available.
-	:	Nil
Neg	:	Negligible.
Billion	:	109 or one thousand Million.
Trillion	:	1012 or one million million.
P	:	Pnovisional.

METRIC UNITS

LINEAR

10 Milimetres	=	1 Centimetre.
10Centimetres	=	1 Decimetre
10 Decimetres	=	1 Metre.
10 Metres	=	1 Decametre.
10 Decametres	=	1 Hectometre.
10 Hectometres	=	1 Kilometre.
100 Sq. Milimetres	=	1 Sq. Centimetre.
100 Sq. Centrimetres	=	1 Sq. Decimetre.
100 Sq. Decimetres	=	1 Sq. Metre.
100 Sq. Metres	=	1 Sq. Decametre -1Acre.
100 Sq. Acres	=	1 Sq. Hectometre- Hectare.
100 Hectares	=	1 Sq. Kilometre.

WEIGHT

10 Miligrams	=	1 Centigram.
10 Centigrams	=	1 Decigram.
10 Decigrams	=	1 Gram.
10 Grams	=	1 Decagram.
10 Decagrams	=	1 Hectogram.
10 Hectograms	=	1 Kilogram.
100 Kilograms	=	1 Quintal.
1000 Kilograms	=	1 MetricTonne.

CAPACITY

10 Milimetres	=	1 Centilitre.
10 Centilitres	=	1 Decilitre.
10 Decilitres	=	1 Litre.
10 Litres	=	1 Decalitre.
10 Decalitre	=	1 Hectolitre q~/
10 Hectorlitres	=	1 Kilolitre. °C

VOLUME

1000 Cubic Milimetres	=	I Cubic Centimetre
1000 Cubic Centimetres	=	I Cubic Decimetre.
1000 Cubic Decimetres	=	I Cubic Metre.

CONVERSION FACTORS USED IN THE OIL TRADE LINEAR AND SQUARE MEASURES

LENGTH

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

AREA

1 Square Inch	=	645.16 Square Millimetres (mm2).
1 Square Foot	=	0.0929030 Square Metre (m2).
1 Square Yard	=	9 Square Feet.
	=	0.836127 Square Metre (m2).
1 Square Metre	=	10,7639 Square Feet.
	=	1.19599 Square Yards.
1 Acre	=	4840 Square Yards.
	=	4046.86 Square Metres (m2).
	=	0.404686 Hectares.
1 Hectare	=	10,000 Square Metres (m2).
	=	2.47105 Acres.
	=	0.01 Square Kilometre (km2).
1 Square Kilometre	=	100 Hectares.
	=	0.386102 Square Mile.
9 1 Square Mile	=	640 Acres.
	=	258.999 Hectares
	=	2.58999 Square Kilometres (km2).

MASS

WEIGHTS

1 Ounce	=	28.3495Grams(g).
1 Pound	=	0.453592 Kilogram (kg.)
	=	0.00892857 Hundred Weight.
1 Kilogram	=	2.20462 Pounds.
	=	0.01 Quintal.
1 HundredWeight(cwt)	=	112Pounds.
	=	50.8023 Kilograms (kg.).
1 American (Short) Ton	=	2000 Pounds.
	=	0.97185Tonnes.
	=	0.892857 Long Ton.
1 Tonne(AAetricTon)	=	2204.62 Pounds.
	=	1000 Kilograms (kg.).
	=	1.10231 ShortTons.
	=	0.984207 Long Ton.
1 Imperial (Long) Ton	=	2240 Pounds.
	=	1.12 Short Tons.
	=	1.01605Tonnes.

ENERGY AND POWER

1 Intemational Table (IT) Calorie	=	4.1868 Joules (J).
115 C calorie	=	4.1855 Joules (J).
1 ThemmochemicalCalorie	=	4.184Joules (J).
1 Kilo Calorie (IT)	=	1000 Calories.
	=	3.96832 British Thermal Units.
	=	1.163 Watt Hours.
	=	1 Thermie.
1 Kilowat Hour	=	3412.14 British Thermal Units
	=	859.845 Kilocalories.
	=	3.6 Megajoules (MJ).
	=	1.34102 Horse Power Hours.
1 Therm	=	100,000 British Thermal Units. (BTU).
	=	105.506 Megajoules (MJ).
	=	29.3071 Kilowatt Hours.
	=	25.1996Thermies.
	=	25200 Kilocalories.
1 Metric Horsepower	=	735.499 Watts (W).
(Pferdestaerke or	=	542.476 Foot Pounds Force/Second.
Cheval Vapeur)	=	0.986320 Imperial Horse Power
t Imperial Horsepower	=	745.700 Watts (W).
	=	550Foot Pounds Force/Second.
	=	1.01387 Metric Horse Power.
1 Kilowatt	=	737.562 Foot Pounds Force/Second.
	=	1.35962 Metric Horsepower.
	=	1.34102 Imperia Horsepower.
	=	1000 Watts.
1 BTU	=	0.252 Kilocalories.
	=	1.055 Kilojoules

CUBIC MEASURES

VOLUME

1 Cubic Inch	=	16.3871 Cubic Centimetres (cm3)
1 Pint	=	0.568261 Cubic Decimetres (dm3) or Litres.
1 Litre	=	61.024Cubic Inches.
	=	1.75975 Pints.
	=	1 Cubic Decimetre(dm3)
	=	0.264172 American Gallons.
	=	0.219963 Imperial Gallons.
	=	0.0353147 Cubic Foot.
1 Hectolitre	=	100 Cubic Decimetres (dm3) or
	=	100 Litres.
1 American Gallon	=	231 Cubic Inches.
	=	3.78541 Cubic Decimetres or Litres.
	=	0.832674 Imperial Gallon.
	=	0.133681 Cubic Foot.
	=	0.0238095American Barrel.
	=	0.00378541 Cubin Metre(m3).
1 Imperial Gallon	=	277.420 Cubic Inches.
	=	4.54609 C<ubic Decimetres (dm3) or Litres.
	=	1.20095 American Gallon.
	=	0.160544 Cubic Foot.
	=	0.02894American Barrel.
	=	0.00454609 Cubic Metre (m3).
1 Cubic Foot	=	28.3168 Cubic Decimetres (dm3) or Litres.
	=	7.48052American Gallons.
	=	6.22883 Imperial Gallons.
	=	0.17811 American Barrel.
	=	0.0283168 Cubic Metre (m3).
1 American Barrel	=	9702Cubic Inches.
	=	158.987 Cubic Decimetres (dm3) or Litres
	=	' 42American Gallons.
	=	34.9726 Imperial Gallons
	=	5.6146 Cubic Feet.
	=	0.158987 Cubic Metre (m3).
1 Cubic Metre	=	1000 Litres.
	=	264.172 American Gallons.
	=	219.969 Imperial Gallons.
	=	35.3147 Cubic Feet.
	=	6.28981 American Barrels.
1 Kilolitre	=	1000 Cubic Decimetres (dm3) or Litres.
	=	6.28981 American Barrels.
1 Aross Ton (Shipping)	=	2.83168 Cubic Metres or 100 cubic. Feet or Permanently Enclosed Space.
1 Ton of Liquified Methane	=	Approx. 16 Barrels.
	=	Approx.1400 Cubic Metres of Natural Gas Depending Upon Methane Content

PRODUCT CONVERSION FACTOR
(Conversion Factor From Volume To Tonnes At Natural Temp.)

PRODUCTS	Litres to Metric Tonnes	Tonnes per K.L	American Barrels to Metric Tonnes
1	2	3	4
Aviation Spirit 100/130	1421	0.7034	8.94
Aviation Spirit 144/145	1449	0.6901	9.11
Aviation Spirit 73 ON	1432	0.6983	9.01
Motor Spirit 79 ON	1427	0.7008	8.98
Motor Spirit 80 ON	1427	0.7008	8.98
Motor Spirit 93 ON	1386	0.7215	8.72
Motor Spirt 95 ON	1359	0.7358	8.55
Motor Spirit 83 ON/87 ON	1411	0.7087	8.88
JP-4	1384	0.7225	8.71
JP-5	1273	0.7855	8.01
Aviation Turbine	1288	0.7764	8.10
Naphtha	1467	0.6817	9.23
Power Alcohol	1286	0.7776	8.09
Benzol	1154	0.8666	7.26
SBP SpiriVHexane	1457	0.6863	9.16
Mineral Turpentine (Laws 140/205)	1302	0.7680	8.19
Liquified Petroleum Gas	1785	05602	11.23
Superior Kerosene	1285	0.7782	8.08
Inferior Kerosene	1265	0.7905	7.96
Power Kerosene (Vap. Oil)	1251	0.7994	7.87
High Speed Diesel	1210	0.8263	7.61
Light Diesel Oil	1172	0.8532	7.37
Malarial Oil	1172	0.8532	7.37
Special Larvicides	1175	0.8511	7.39
Furnace Oil	1071	0.9337	6.74
Tea Drier Oil	1071	0.9337	6.74
Hot Heavy StocWLSHS	1017	0.9833	6.40
Refinery Gas/Ref. Boiler Fuel	1071	0.9337	6.74
Lubricants/Greases	1114	0.8977	7.0t
Jute Batching Oil/Wash Oils	1167	0.8569	7.34
Bitumen	1002	0.9980	6.30
SBP/Alcohol Mixture	1414	0.7072	8.89
Methanol Mixture	1106	0.9042	6.96
Carbon Black Feed Stock	1134	0.8818	7.13
Carburetter TEsting Fluid	1388	0.7205	8.73
Benzene	1131	0.8812	7.05
Toluene	1148	0.8711	7.19
DemineralisedWater	1002	0.9930	6.30
S. Glass Kleanzit	1003	0.9970	6.31
Miscellaneous	1114	0.8977	7.01
Wax/P. Coke/Chemicals	1114	0.8977	7.01
Aromex	1221	0.8190	7.68
Linear Alkyl Benzen Feed Stock	1205	0.8239	7.88

VOLUME PER METRIC TON OF PETROLEUM PRODUCTS

PRODUCTS	Kilolitre	Imperial Gallon	U.S. Gallon	Barrel
1	2	3	4	5
Liquified Pet. Gas.	1.8519	407.365	489.213	11.648
Aviation Spirit	1.3699	301.332	361.873	8.613
Natural Gasoline	1.3514	297.265	356.990	8.496
Motor Spirit	1.3514	297.265	356.990	8.496
Kerosene	1.2346	271.569	326.137	7.764
Jet Fuel	1.2346	271.569	326.137	7.764
Distillate Fuel Oil	1.1494	252.415	293.522	6.988
Lubricating Oil	1.11 1 1	252.845	303.647	7.231
Fuel Oil N.O.S.	1.0939	241.727	290.301	6.911
Residuel FuelOils	1.0526	231.551	278.071	6.623
Asphalt and Bitumen	0.9615	211.515	254.013	6.050
Crude Oil	1.1856	260.910	313.340	7.441

CON FACTORS FOR DUTY REDUCTION FROM 15°c TO 29.50c

	Product	Conversion Factor
1.	Aviation Spirit 100/130	0.982?
2.	AviationSpirit114/145	0.9820
3.	Aviation Spirit73Clear	0.9824
4.	AviationTurbine Fuel	0.9862
5.	Motor Spirit 83	0.9830
6.	Motor Spirit 93	0.9836
7.	H.S.D.O.	09879
8.	Kerosene	0.9864
9.	Light Diesel Oil	0.9877
10.	Furnace Oil	0.9899
11.	Special Boiling Point Spirit 55/115	0.9820
12.	Special Boiling Point Spirit 64/69	0.9806
13.	Solvent 1425	0.9820
14.	Hexane	0.9806

PETROLEUM SPECIFIC GRAVITIES

Degrees A.P I	Specific Gravity	Barrels per tonne*	Long Ton*
25	0.9042	6.98	7.09
26	0.8984	7.02	7.13
27	0.8927	7.06	7.18
28	0.8871	7.10	7.22
29	0.8816	7.15	7.27
30	0.8762	7.19	7.31
31	0.8708	7.24	7.36
32	0.8654	7.28	7.40
33	0.8602	7.33	7.45
34	0.8550	7.37	7.49
35	0.8499	7.42.	7.54
36	0.8448	7.46	7.58
37	0.8398	7.51	7.63
38	0.8348	7.55	7.67
39	0.8299	7.60	7.72
40	0.8251	7.64	7.76
41	0.8203	7.69	7.81
42	0.8156	7.73	7.85

* Approximate figure at 15.6 degrees C or 60 deXqree F.

PRODUCT SPECIFIC GRAVITY RANGES

PRODUCTS	Specific Gravity	Barrels per tonne
Crude Oils	0.80-0.97	8.0-6.6
Aviation gasolines	0.70-0.78	9.1-8.2
Motor gasolines	0.71-0.79	9.0-8.1
Kerosene	0.78-0.84	8.2-7.6
Gas Oils	0.82-0.90	7.8-7.1
Diesel Oils	0.82-0.92	7.8-6.9
Lubricating Oils	0.85-0.95	7.5-6.7
Fuel Oils	0.92-0.99	6.9-6.5
Asphaltic bitumens	1.00-1.10	6.4-5.8

CRUDE OIL CONVERSIONS@

To convert these into these	Metric Tons	Barrels	Kilo litres	1,000 Imp. Gallon	1,000 U.S.Gallon
Metric Tons	1	7.33	1.16	0.256	0.308
Barrels	0.136	1	0.159	0.035	0.042
Kilolitres	0.863	6.29	1	0.220	0.264
1,000 Imp. Gallons	3.91	28.6	4.55	1	1.201
1,000 U.S.Gallons	3.25 2	3.8	3.79	0.833	1

@ = Based on Worid Average gravity (Excluding Natural Gas liquids)

TO CONVERT ONE METRIC TONNE OF PETROLEUM PRODUCTS TO ONE TONNE OF OIL EQUIVALENT MULTIPLY BY

PRODUCT	MULTIPLIER
L.P.G	1 130
Naphtha	1.075
Aviation gasoline	1.070
Motor gasoline	1.070
Jet Fuel	1.065
Kerosene	1.045
Gas/diesel	1.035
Residuel Fuel Oils	0.985
Others	0.960

AVERAGE INTERNATIONAL CALORIFIC VALUE OF DIFFERENT FUELS

	K Cals/Kg. M cals/Tonne	BTUS/Kg.
1	2	3
A. Oil Equivalence:		
Average Crude Oii/NGLS (a)	10,300	40,870
United Nations	10,175	40,375
B. Oils Products		
NGL	12,135	48,150
Motor Gasoline	11,135	44,190
Kerosene	10,638	42,210
Jet Fuel	11,790	46,790
Gas Oil	10,790	42,820
Fuel Oil	10,440	41,430
C. Coal Equvalence:		
Average Hard Coal (b)	7,000	27,775
D. INDIA:		
Hard Coal	5,000	19,840
Lignite-Brown Coal	2,310	9,16
Firewood@	4,750	18,848
Charcoal@	6,900	27,379
		K cals/Cu. Metre
E. Naturati Gas-Production: (Average) India		**8,000-9480**
F. Electricity:		
Output Basis(c)		860
Fuel Input basis(d)		2,500"2,700

(a) Represent average giobal factor tor crude oiitNGL production. For a specHb curde oil reievant converdon factor may have to be used.

(b) Facator used by UnRed Natlons to represent average cabrific vaEue d hard coais tor purposes ot standaXin coal productbn to hard coal equivaient base.

(c) CalorHk valw of 1 iovh o1 electrbRy.

(d) Represents K cais ot hydro~carbon energies required to produce 1 iawh o1 eiectricity

@ = as per Report ot Fuel Poiby Commitee 1974.

Conversion Factor : 1 K cal 4.19 K Jouies.

COEFFICIENTS USEDTO CONVERT FROM ORIGINAL UNITS INTO STANDARD COAL EQUIVALENTS

Products	Hard Coul	Ugnit Brown	Fuel wood
1	2	3	4
A. PRIMARY SOLIDS			
1. Standard Factor	1.000	0.385	0.333
2. India	0.714	0.330	
B. **OTHERS**		**Hydrocarbons**	
1. Petroleum Crude		1.454	
2. Natural Gas Uquids (wf.av.)		1.542	
3. Gasolines		1.500	
4. Kerosene & Jet Fuel		1.474	
5 Gas-Diesel Oil		1.450	
6. Residuel Fuel Oil		1.416	
7. Liquified Petroleum Gases		1.554	
8. Natural Gasoline		1.532	
9. Condensate			
10. Other Natural Gas Liquids		1.512	
11. Natural Gas (in Terajouls)*		34.121	
12. OtherGases (" " ")*		34.121	
13. Hydro, Nuclear and Geothermal Electricity (in 1,000 kwh)		0.123	

*=The average calorific value of gas is measured in Kcal/m3 (st.) i.e. in Kcal percubic metre of gas understandard conditions of 15°c, 013.25 mbar, dry:

COAL REPLACEMENT AND EQUIVALENTS OF DIFFERENT FUELS

Fuels	Original Unit	Unit ot coal equivalent (mtce)	Unit ot coal replacement (mtcr)
1	2	3	4
Coal (coking			
6640 K ca/kg.,			
Non-coking coal			
Used in steam			
generation (5000			
Kca/Kg.)	1 mt	1.0	1.0
Hard Coke	1 mt	1.3	1.3
SoftCoke	1 mt	1.5	1.3
Firewood (4750			
Kcal/Kg.)	1 mt	0.95	0.95
Char Coal (6900			
Kca/Kg.)	1 mt	1.0	1.0
2. OIL PRODUCTS: 10,000 K ca/Kg.			
Black Products (i.e.			
Fuel Oil; F.O.;			
Refinery Fuel,			
LSHS, HHS).	1 mt	2.0	2.0
Kerosene& LPG	1 mt	2.0	8.0
HSDO&LDO	1 mt	2.0	9.0
Motor Spirit &			
Jet Fuel	1 mt	2.0	7.5
Natural Gas			
(9000 K ca/Kg.)	1 09xm3	1.8	3.6
Electricity	109 kwh	1.0	1.0

m = Million
mt = Million Tonnes
Source = Fuel PolicyCommitee 1974

mtce = MillionTonnesof Coal Equivalent

mtcr = Million Tonnes of Coal Replacement

APPROXIMATE CALORIFIC EQUIVALENTS
(Oil = 10,000 K Ca/Kg.)

Items		Million Tonnes ot Oil equals
1. Heat Units	=	40 million BTU
	=	397 million therms
	=	10,000 teracalories
2. Solid Fuels	=	1.5 milliontonnes of Coal
	=	3.0 million tonnes of lignite
3. Natural Gas (1 cub. ft. = 1000 BTU)	=	(1 Cub metre = 9000 K cal).
	=	1.1 1 1 thousand million cub metres
	=	39.2 thousand million cub. feet
	=	1 07 million cubic feet day of a year
4. Electricity (1 Kwh = 3412 BTU) (1 Kwh-86 Kcal),	=	12 thousand million KWH

Heat Units and others Expressed in Terms of million Tonnes of Oil

	Items	Million Tonnes of Oil equals
1.	**Heat Units**	
	10 million million BTU	0.25
	100 million therms	0.25
	10.000 teracalories	1.00
2.	**Solid Fuels**	
	1 million tonnes of coal	0.67
	1 million tonnes of lignite approximates to	0.33
3.	**Natural Gas**	
	1 thousand million cub. metres (BCM)	0.90
4.	**Town Gas**	
	1 thousand million cub. metres (BCM)	0.42
5.	**Electricity**	
	12 thousand million KWH	0.86

One million tonnes of oil produces about 4000 million units (KWH) of electricity in a modern power station.
Source: BP Statistical Review of World Energy.

EXCHANGE RATE
1946—1970 and 1946-47—1970-71

(Rs. per U.S. Dollar)

Year	Calendar Year					Financial Year	
	1st Qr.	2nd Qr.	3rd Qr.	4th Qr.	Average for the year	Year	Average for the year
1	2	3	4	5	6	7	8
1946	n.a.	n.a.	n.a.	3.30852	3.30852	1946-47	n.a.
1947	3.30852	3.30852	3.30852	3.30852	3.30852	1947-48	3.30852
1948	3.308$2	3.30852	3.30852	3.30852	3.30852	1948-49	3.30852
1949	3.30852	3.30852	4.76190	3.71792	3.71792	1949-50	4.08127
1950	4.76190	4.76190	4.76190	4.76190	4.76190	1950-51	4.76190
1951	4.76190	4.76190	4.76190	4.76190	4.76190	1951-52	4.76190
1952	4.76190	4.76190	4.76190	4.76190	4.76190	1952-53	4.76190
1953	4.76190	4.76190	4.76190	4.76190	4.76190	1953-54	4.76190
1954	4.76190	4.76190	4.76190	4.76190	4.76190	1954-55	4.76190
1955	4.76190	4.76190	4.76190	4.76190	4.76190	1955-56	4.76190
1956	4.76190	4.76190	4.76190	4.76190	4.76190	1956-57	4.76190
1957	4.76190	4.76190	4.76190	4.76190	4.76190	1957-58	4.76190
1958	4.76190	4.76190	4.76190	4.76190	4.76190	1958-59	4.76190
1959	4.76190	4.76190	4.76190	4.76190	4.76190	1959-60	4.76190
1960	4.76190	4.76190	4.76190	4.76190	4.76190	1960-61	4.76190
1961	4.76190	4.76190	4.76190	4.76190	4.76190	1961-62	4.76190
1962	4.76190	4.76190	4.76190	4.76190	4.76190	1962-63	4.76190
1963	4.76190	4.76190	4.76190	4.76190	4.76190	1963-64	4.76190
1964	4.76190	4.76190	4.76190	4.76190	4.76190	1964-65	4.76190
1965	4.76190	4.76190	4.76190	4.76190	4.76190	1965-66	4.76190
1966	4.76190	5.51413	7.50000	7.50000	6.31901	1966-67	7.00353
1967	7.50000	7.50000	7.50000	7.50000	7.50000	1967-68	7.50000
1968	7.50000	7.50000	7.50000	7.50000	7.50000	1968-69	7.50000
1969	7.50000	7.50000	7.50000	7.50000	7.50000	1969-70	7.50000
1970	7.50000	7.50000	7.50000	7.50000	7.50000	1970-71	7.50000

EXCHANGE RATES:
1971—1994 AND 1971—72 TO 1994—95

(Rs. per U.S. Dollar)

	Calendar Year					Financial Year	
year	1st ar.	2nd Qr.	3rd Qr.	4th Qr.	Average for the year	Year	average for the year
1	2	3	4	5	6	7	8
1971	7.500	7.500	7.500	7.500	7.500	1971-72	7.44950
1972	7.298	7.297	7.759	8.023	7.594	1972-73	7.73025
1973	7.842	7.499	7.651	7.976	7.742	1973-74	7.86275
1974	8.325	7.912	8.073	8.096	8.102	1974-75	7.97550
1975	7.821	8.053	8.716	8.913	8.376	1975-i6	8.65325
1976	8.931	9.063	8.967	8.881	8.960	1976-77	8.93850
1977	8.843	8.814	8.733	8.565	8.739	1977-78	8.56250
1978	8.138	8.465	8.051	8.118	8.193	1978-79	8.20625
1979	8.191	8.176	7.998	8.138	8.126	1979-80	8.07625
1980	7.993	7.921	7.747	7.791	7.863	1980-81	7.89278
1981	8.112	8.410	8.984	9.128	8.659	1981-82	7.92925
1982	9.195	9.354	9.570	9.702	9.455	1982-83	9.62850
1983	9.888	10.008	10.148	10.352	10.099	1983-84	10.31225
1984	10.741	10.972	11.579	12.158	11.363	1984-85	11.88675
1985	12.838	12.498	12.048	12.091	12.369	1985-86	12.23725
1986	12.312	12.500	12.592	13.039	12.611	1986-87	12.78650
1987	13.015	12.781	13.049	13.000	12.962	1987-88	12.96825
1988	13.043	13.429	14.276	14.920	13.917	1988-89	14.47650
1989	15.281	16.105	16.605	16.911	16.226	1989-90	16.66250
1990	17.029	17.344	17.554	18.087	17.504	1990-91	17.94850
1991	18.809	20.526	25.757	25.878	22.742	1991-92	24.51125
1992	25.914	25.890	25.890	25.979	25.918	1992-93	27.55250
1993	27.887	31.345	31.371	31.370	30.493	1993-94	31,36425
1994	31.371	31.3iO	31.371	31.388	31.375	1994-95	31.14132

Notes: (1) A new value of the Indian Re. of 7.50 per U.S. Dollar was agreed upon with the Fund effective June 6,1966. Previouslythe yearvalue was 4.7619 rupees per U.S. Dollarfrom September22,1949 to June 5,1966 and 3.30852 rupees per U.S. Dollar from December 18,1946 to September 21,1949.

(2) Exchange rate for the years 1970 and 1971 are based on 'Trade conversion Factors .

(3) Exchange rate for the year 1972 onwards are based on Par rates/market rates.

e = estimated

Source: International Financial Statistics.