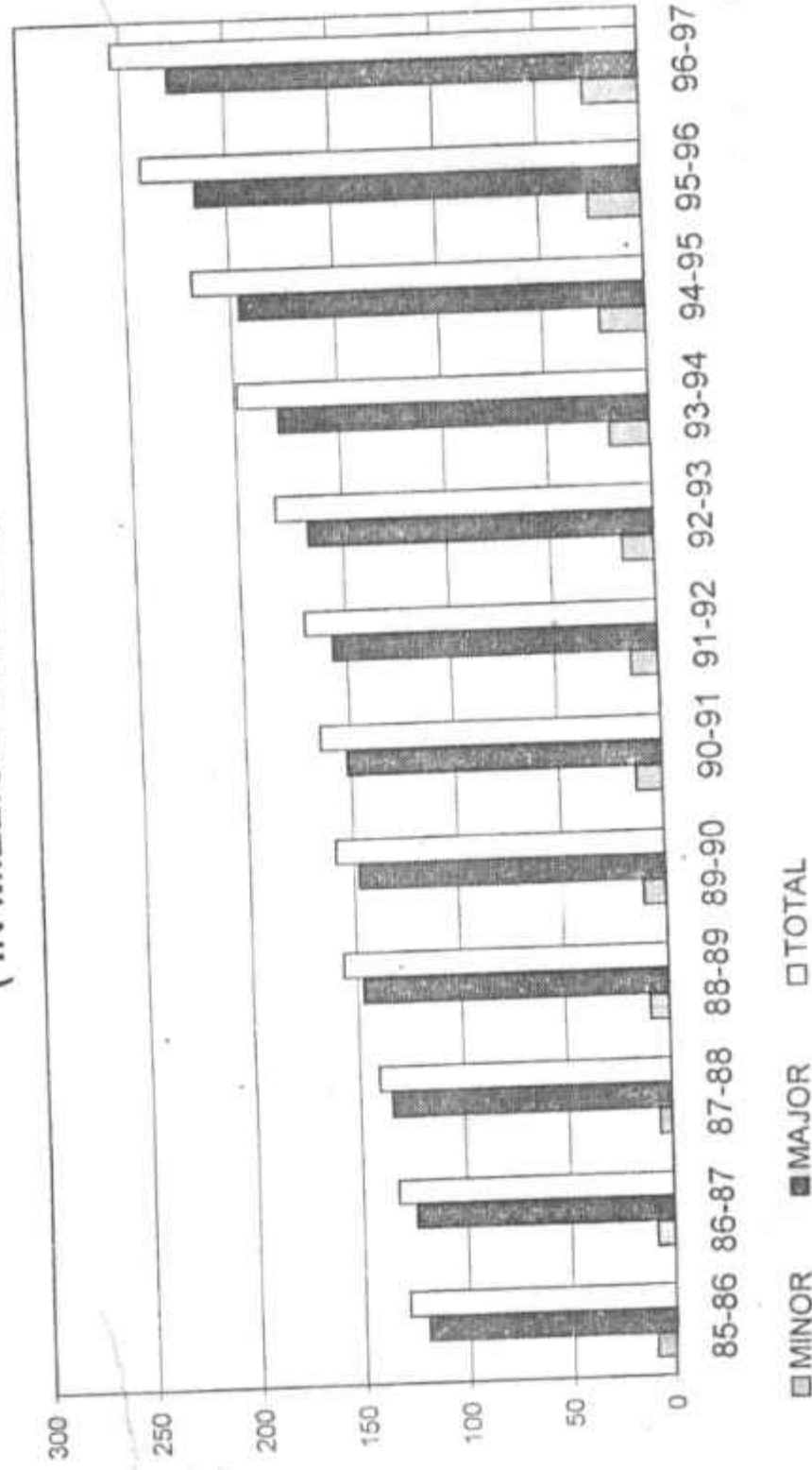


Basic Port Statistics Of India

1996-97

TRAFFIC HANDLED AT INDIAN PORTS
(IN MILLION TONNES)



TRANSPORT RESEARCH WING
MINISTRY OF SURFACE TRANSPORT
GOVERNMENT OF INDIA
NEW DELHI

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BASIC PORT STATISTICS of India

PREFACE 1996-97 1996-97

"Basic Port Statistics of India" provides comprehensive and detailed statistics on ship/cargo traffic handled at Indian Ports, port facilities, origin/destination of overseas traffic, employment and finances of the various ports, their performance etc. The present publication gives data upto 1996-97; the detailed data is, however, limited to 1995-96. Brief notes on major ports in India and their performances along with supportive graphs have also been included in this publication.

2. The sources of data are the Annual Administration Reports of Major Ports and their MIS returns. The data for the year 1996-97 have been compiled mostly from statements furnished by Indian Ports Association. For the first time, information on container handling facilities, reefer container traffic, inland movement of containers, ICD movement of containers, container handling rate and availability and utilisation of container handling equipments are given. Considering the growing importance of the minor ports, a separate section has been added on Minor Ports which are in the State Sector and are funded by the respective State Governments. Apart from the commodity-wise cargo traffic handled at minor ports, this section gives data on facilities available, performance indicators, employment, passenger traffic etc.

3. But for the continued interest and help extended by the Port Trusts and Maritime States/UTs, it would not have been possible for us to bring out this publication in time. We, therefore, gratefully acknowledge their cooperation. We also thank NIC for their computer support.

4. Suggestions for improvement in the contents and coverage of the publication are welcome and would receive our utmost consideration.

New Delhi

January , 1998.

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- Definitions of Terms used

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Abbreviation used

...	: Not available
-	: Nil
Neg./N	: Negligible
TEU	: Twenty Equivalent Unit
GRT	: Gross Registered Tonnage
DLB	: Dock Labour Board
DWT	: Dead Weight Tonnage
Ro Ro	: Roll on - Roll off
Cal	: Calcutta Port Trust
Hal	: Haldia Dock Complex
PPT	: Paradip Port Trust
VPT	: Visakhapatnam Port Trust
MPT	: Chennai Port Trust
TPT	: Tuticorin Port Trust
COPT	: Cochin Port Trust
NMPT	: New Mangalore Port Trust
MOPT	: Mormugao Port Trust
JNPT	: Jawahar Lal Nehru Port Trust
MBPT	: Mumbai Port Trust
KPT	: Kandla Port Trust
Mech.	: Mechanical
Conv.	: Conventional

PORT ORGANISATION IN INDIA

Ports are meant to provide sea-borne vessels some basic services such as dock, harbour or berth facilities and landing facilities for the passengers and cargo. Apart from this, Ports provide the basic services in the form of cranes, warehouses, labour for cargo handling.

2. There are 11 major Ports viz. Kandla, Mumbai, J.L. Nehru, Mormugao, New Mangalore, Cochin, Tuticorin, Chennai, Visakhapatnam, Paradip and Calcutta/Haldia, and 179 minor/intermediate ports situated along the coast line of about 6,000 Kms. and at sea islands. Four of the major ports viz. Mumbai, Calcutta, Chennai and Mormugao are more than 100 years old. Cochin and Vizag Ports have celebrated their Golden Jubilees. The Ports of Kandla, Tuticorin, New Mangalore and Paradip were developed after the country attained freedom and are thus relatively newer ports. J.L. Nehru Port at Nhava Sheva became operational in 1989.

3. The major Ports are governed by the Major Port Trusts Act, 1963 and the Indian Ports Act, 1908 and the rules and regulations framed thereunder.

4. Each Major Port has a Board of Trustees representing various interests connected with the port operations and the shipping industry. The Chairman of each Major Port is appointed by Central Government. Besides Chairman, the Port Trust Board comprises Deputy Chairman, representatives of Customs, Railways, Defence, State Govt., Shipowners, Shippers, etc. All members of the Board, other than the Chairman and the Deputy Chairman are part time Members.

5. The modernisation and development of Major Ports is a plan scheme. The Major Ports are empowered to receive loans from Government, raise loans in the open market and levy rates and fees for the services rendered. They are required to receive the prior approval of Central Govt. for the scale of rates, annual budgets and submit Annual Administration reports. Their annual accounts are subject to audit by the Comptroller and Auditor General of India.

6. Ports mainly derive their revenue from cargo handled in their Port areas, charges on the ships visiting them, and other related charges. The main sources of revenue from cargo traffic are (i) Wharfage/landing fees, cargo related charges, (ii) Crane hire charges, (iii) Rentals from warehouses, (iv) Demurrage charges, (v) Charges for providing rail and other transport for the cargo movement and providing water facilities for the visiting ships. Similarly the main sources of revenue from ship traffic are (i) Port dues, (ii) Pilotage, (iii) Berth-hire, (iv) Survey and measuring fees, (v) Ship repairs in dock areas.

7. The main activities of The Ports relate to (i) Maintenance of Port approaches, navigable channels and along side berths, dredging, conservancy, hydrographic surveys, (ii) Light houses and light vessels under the Port, (iii) Pilotage, towage, berthing and unberthing of visiting ships, (iv) handling warehousing and transportation of goods in Port area, (v) Civil, mechanical and electrical engineering and maintenance of harbour crafts and plants,

(vi) Fire-fighting and fumigation, (vii) Stores, (viii) Medical, welfare & housing services, (ix) Management of port properties and estates.

8. For its various activities, each Port engages different types of labour. The workers employed by the Port authorities are generally known as 'Port Workers' and they work on shore. For work on board the ship, workers registered with Dock Labour Board known as 'Dock Labour' are engaged.

9. As regards the capacity of a Port it is the aggregate of capacity of individual berths depending upon the type of commodity handled at that berth. There are a wide range of factors which influence the capacity of the berths. Portwise as well as commoditywise break-up of capacity for the years 1995-96 & 1996-97 are as under:-

(In Million Tonnes)

Port	Port capacity as on	
	31.3.96	31.3.97
1. Calcutta and Haldia	23.78	25.57
2. Paradip	8.55	10.90
3. Visakhapatnam	23.65	31.45
4. Chennai	22.07	25.90
5. Tuticorin	6.10	7.60
6. Cochin	13.26	13.46
7. New Mangalore	10.00	16.45
8. Mormugao	16.30	19.18
9. Mumbai	26.80	30.80
10. Kandla	20.80	24.00
11. J.L.Nehru	5.90	9.90
Total All Ports	177.21	215.21

(iii)

10. Commodity-wise break-up of Port capacities is given below:-

(In Million Tonnes)

	<u>Commodity</u>	<u>Capacity as on</u>	
		<u>31.3.96</u>	<u>31.3.97</u>
1.	POL	80.00	94.92
2.	Iron ore	41.50	44.50
3.	Coal	8.00	9.00
4.	Fertilizer & its raw material	7.95	5.65
5.	Others incl. Containers	39.76	61.14
	Total All Ports	<u>177.21</u>	<u>215.21</u>

(iv)

11. Private Sector Participation: Recently clear and transparent guide-lines for private sector participation in ports have been approved by the Govt. to cover the following areas:

- (1) Leasing out existing assets of the ports.
- (2) Construction/creation of additional assets, such as :
 - (a) Construction and operation of Container Terminals
 - (b) Construction and operation of Bulk, Break-Bulk multipurpose and specialised cargo berth.
 - (c) Warehousing, Container Freight Stations, Storage Facilities and Tank Farms
 - (d) Craneage/Handling Equipment.
 - (e) Setting up of Captive Power Plants.
 - (f) Dry docking and Ship-Repair facilities.

(3) Leasing of equipment for port handling and leasing of floating crafts from private sector.

(4) Pilotage.

(5) Captive facilities for Port based industries.

The salient features of the guide-lines are as under:-

- (a) The existing legislative framework permits private sector participation in ports.
- (b) Ports will continue to discharge their regulatory role under Major Port Trusts Act, 1963. Ports will also take steps to frame regulations consistent with the guide-lines in order to enable private sector participation.
- (c) In identified projects to be put out on tender on BOT basis, the feasibility report will be made at the expense of the port, the cost of which will be subsequently recovered from the successful tenderer.
- (d) BOT model will be generally used for private sector participation with the assets reverting free to the port after the concession period. Evaluation will be made on the basis of criteria laid down clearly in the tender document and will be on the basis of maximum realisation to the port using NPV analysis.
- (e) Generally a concession period of upto 30 years will be permitted. However, in exceptional cases where investments are very large, the concession period may be upto 50 years.
- (f) The port will give no guarantee either for financial return or for the traffic which can be expected.

- (g) The tariff will be revised suitably every three years on the basis of rise in wages, operational cost, inflation etc.
- (h) Private sector participation will be on the basis of open competitive bidding.
- (i) The criteria for evaluation in taking on lease equipments/port craft by Port Trusts, and for pilotage will be the least cost to the ports.
- (j) There will be no adverse effect on port labour. No retrenchment will be done without the concurrence of labour and only in accordance with Industrial Disputes Act and relevant labour laws. Lessee will be bound by all the labour laws of the country.
- (k) There will be total transparency in inviting bids following the two cover system.

In addition the ports will be permitted to lease out existing assets/facilities of the Port Trust to the private sector, if such leasing results in upgradation/augmentation of facilities/fresh investment by the entrepreneur, and as a result there is an increase in throughput and higher productivity.

The ports have also been permitted to allow captive facilities and captive oil jetties/SBMs to Port based industries including Central/State PSUs and Central oil companies without recourse to tender, provided such industries are port specific and approved by concerned Administrative Ministries, and the port is paid a revenue based on market rates.

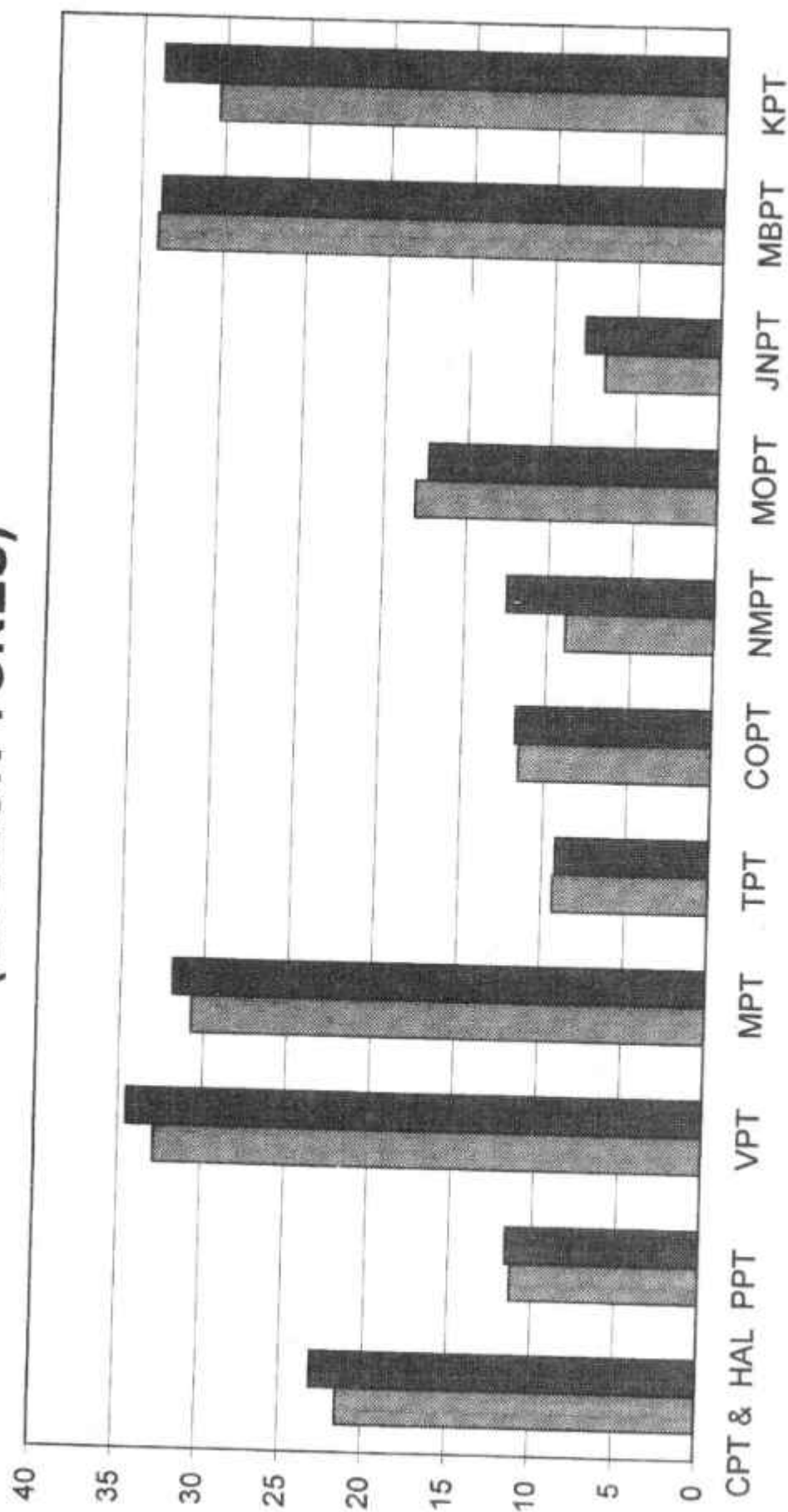
The Central Govt. will also encourage innovative proposals in the port sector put forward by private entrepreneurs and such proposals will be evaluated by a committee set up for the purpose.

Under the port laws (Amendment) Act 1997, an independent Regulatory Authority to fix and revise port tariff has been established.

In order to achieve the above objectives, further delegation of financial and administrative powers have been given by the Govt. to Port Trusts on the lines of MOU signing PSUs. Financial powers in respect of sanction of projects has been enhanced to Rs. 50 Crores for all Major Port Trusts in the case of additions/modifications/new investments and Rs. 100 Crores in the case of replacement/renewal of assets.

PERFORMANCE
OF
MAJOR AND MINOR PORTS
1996-97

TRAFFIC HANDLED AT MAJOR PORTS (MILLION TONES)



■ 1995-96 ■ 1996-97

Performance of Ports During 1996-97

There are 11 major Ports and 179 minor/intermediate Ports in the country. The salient features of the performance of the ports for the year 1996-97 are described below:

(a) TRAFFIC HANDLED

All ports handled 254.3 million tonne during 1996-97 registering a growth 5.5 percent compared to the previous year. While the increase in traffic at the major ports was 5.6 percent, minor ports accounted for a lower traffic growth of 4.6 percent. All major ports except Mormugao, Calcutta, Tuticorin and Mumbai showed a surge in traffic handled during 1996-97 compared to the previous year. Commodities like POL & Coal registered increase while Iron Ore, Fertilizer Raw Material and Fertilizers showed a decline in 1996-97 over 1995-96. Both the Container traffic and its share in total traffic increased during this period.

In case of Minor ports, increase was mainly at the ports of Gujrat and Maharashtra.

(b) PERFORMANCE INDICATORS

(i) Average Pre-Berthing Detention

This has declined from 3.6 days during 1995-96 to 3.1 days during 1996-97. It increased at Mumbai and Chennai Ports.

(ii) Average Turn Round Time

This has been stagnant at 7.7 days in 1996-97 for all ports. However, it increased at Mumbai, Mormugao, Cochin & Chennai Ports.

(iii) Output Per ship berth day

The output per ship berthday has increased from 4047 tonnes during 1995-96 to 4249 tonnes during 1996-97. This has increased at all ports except Mormugao, Mumbai, Cochin, Paradip & Calcutta ports.

(vi) Percentage of Idle time to time at working berth

The idle time to the time at working berth has declined from 34 percent during 1995-96 to 31 percent during 1996-97. The performance in respect of this indicator shows improvement at all ports except Calcutta where it is stagnant.

(vii)

(c) AVAILABILITY AND UTILISATION OF CARGO HANDLING EQUIPMENT

(i) Wharf Cranes

Compared to the availability norm of 85 to 90 percent, availability of these cranes was lower at Calcutta, Paradip, Tuticorin, Cochin and New Mangalore. Norm of utilisation of wharf cranes is over 35 percent and above; its utilisation was below the norm at all ports except Kandla.

(ii) Mobile Cranes

The availability norm of mobile crane ranges between 82 to 85 percent. Its availability was below the norms at Calcutta, Paradip & Cochin. The norm for utilisation of Mobile cranes is over 30 percent; the utilisation was below the norm at all the ports except Chennai.

(iii) Fork Lift Trucks

The norm for availability for fork lift truck is 75 to 80 percent; the actual availability was below the norm at Calcutta, Cochin and New Mangalore. The norm of utilisation of Fork Lift Truck is over 35 percent; none of the ports could reach this norm.

(d) FINANCIAL PERFORMANCE

The operating surplus at major ports during 1995-96 was Rs. 996 Crores compared to Rs. 760 Crores during 1994-95, an increase of 31 percent. The operating surplus has increased in all ports except Mormugao and New Mangalore. The operating ratio at major ports exhibits decline during this period in all ports except the ports of Kandla, Mormugao, New Mangalore, Cochin, Chennai and Paradip. In case of Kandla, Cochin, Chennai and Paradip both operating surplus and operating ratio increased since its income and expenditure increased during 1995-96.

TABLE - I

Number of Major and Minor Ports
in the Maritime States -- 1996-97

State / U.T.	Number of Major Ports	Number of Minor Ports	Total Number of Ports
West Coast			
Gujarat	1	40	41
Maharashtra	2	53	55
Goa	1	5	6
Karnataka	1	9	10
Kerala	1	13	14
East Coast			
Tamil Nadu	2	10	12
Pondicherry	-	1	1
Andhra Pradesh	1	12	13
Orissa	1	2	3
West Bengal	1	-	1
Lakshadweep Islands	-	10	10
Andaman & Nicobar Islands	-	22	22
Daman & Diu	-	2	2
TOTAL	11	179	190

TABLE - 11
Port Capacities as on 31-3-87

(In Million Tonnes)

Commodity	Calcutta	Maldia	Para-dip	Vizag	Chennai	Tuticorin	Cochin	New Mangalore	Morvan-gao	Mumbai	Kandla	JL Nehru	Total	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
P.O.L.	3.12 (7)	8.50 (2)	0.70 (1)	11.50 (3)	4.50 (2)	1.10 (1)	10.50 (3)	7.50 (2)	1.50 (1)	21.00 (5)	21.00 (3+5BM+2VJn)§	- (30+5BM+2VJn)	94.92	
Iron Ore	-	-	4.00 (1)	5.00 (1)	8.00 (1)	-	-	7.50 (1) (1+transhippers)	17.00	-	-	-	44.50 (5+transhipper)	
Coal(Thermal)	-	5.00 (2)	-	-	-	4.00 (2)	-	-	-	-	-	-	9.00 (4)	
Fertilizers	-	-	1.10 (1)	0.55 (1)	-	-	0.60 (1)	-	-	-	0.50 (1)	2.90 (2)	5.65 (6)	
Gen. Break Bulk Cargo	2.60 (20)	3.90 (5)	5.10* (5)	11.40§ (13)	6.90¶ (15)	2.50 (6)	1.40 (9)	1.45 (6)	0.68 (2)	5.30 (39)	2.50 (7)	3.50 (1)	47.23 (128)	
Containers	2.15 (6)	0.30 (1)	-	-	2.50 (2)	-	0.96 (2)	-	-	4.50 (6)	-	3.50 (3)	13.91 (22)	
Total	7.87 (33)	17.70 (10)	10.90 (8)	31.45 (18)	25.90 (20)	7.60 (9+8zone)	13.46 (15)	16.45 (9)	19.18 (4+transhippers)	30.80 (52)	24.00 (14+5BM+2VJn)	9.90 (6)	215.21 (195+5BM+transhippers+2VJn)	

* Paradip : A capacity of 4.2 Million Tonnes has been assumed for the three berths which are handling coal at present.

When coal handling moves to the dedicated facilities now under construction, the capacity of these 3 berths will get reduced to 1.5 Million Tonnes.

§ Vizag : Thermal and coking coal are presently handled at six (WQ1 to WQ5 and MCB) general cargo berths whose capacity is reckoned as 9.0 million tonnes and included under general cargo. If coal gets shifted to dedicated coal handling facilities in future, the capacity will get reduced to 2.1 million tonnes.

Chennai : Thermal coal is presently handled at JD(East) in 3 berths whose capacity is assessed as 3.75 million tonnes and included under general cargo capacity. When coal gets shifted to the new port at Ennore, the capacity of these berths will get reduced to 1.5 million tonnes.

\$ Kandla : VJs indicate the Virtual Jetties put up by oil industries.

Note : Figure in bracket gives total number of berths.

Source : Development Wing

TABLE - III

Major Ports - Capacity and Traffic -- 1996-97

Port	(In Million Tonnes)							
	1.	2.	3.	4.	5.	6.	7.	8.
		Capacity/ Traffic	POL (Crude & Product)	Iron Ore	Coal	Ferti- liser & FRM	Other Cargo	Contai- ner
								Total
Calcutta		Capacity Traffic	3.12 2.49	- -	- 0.01	- 0.09	2.60 1.48	2.15 1.95
Haldia		Capacity Traffic	8.50 8.49	- -	5.00 6.82	- 0.27	3.90 1.40	0.30 0.12
Paradip		Capacity Traffic	0.70 1.69	4.00 1.38	- 6.51	1.10 0.27	5.10 1.73	- -
Visakhapatnam		Capacity Traffic	11.50 13.38	8.00 5.74	- 8.91	0.55 1.28	11.40 5.02	- 0.17
Chennai		Capacity Traffic	8.50 12.45	8.00 4.66	- 6.92	- 0.89	6.90 4.37	2.50 2.56
Tuticorin		Capacity Traffic	1.10 0.43	- -	4.00 5.35	- 0.52	2.50 1.98	- 0.90
Cochin		Capacity Traffic	10.50 9.23	- -	- 0.12	0.60 0.54	1.40 0.88	0.96 0.97
								13.46 11.74

TABLE - III (Contd....)

Major Ports - Capacity and Traffic -- 1996-97

(In Million Tonnes)

Port	POL Capacity/ (Crude & Traffic Product)	Iron Ore	Coal	Ferti- liser & FRM	Other Cargo	Contai- ner	Total	
1.	2.	3.	4.	5.	6.	7.	8.	9.
New Mangalore	Capacity Traffic	7.50 4.92	7.50 5.94	- 0.02	- 0.25	1.45 1.32	- -	16.45 12.45
Mormugao	Capacity Traffic	1.50 1.23	17.00 14.64	- 0.14	- 0.04	0.68 1.23	- 0.03	19.18 17.31
J.L. Nehru	Capacity Traffic	- -	- 0.69	- -	2.90 1.29	3.50 1.01	3.50 5.08	9.90 8.07
Mumbai	Capacity Traffic	21.00 18.71	- neg	- -	- 0.72	5.30 6.67	4.50 7.63	30.80 33.73
Kandla	Capacity Traffic	21.00 25.06	- -	- 0.07	0.50 1.02	2.50 6.40	- 1.18	24.00 33.73
All Ports	Capacity Traffic	94.92 98.08	44.50 33.05	9.00 34.87	5.65 7.18	47.23 33.49	13.91 20.59	215.21 227.26

Note:- Other Cargo includes Food Grains also.

Source :

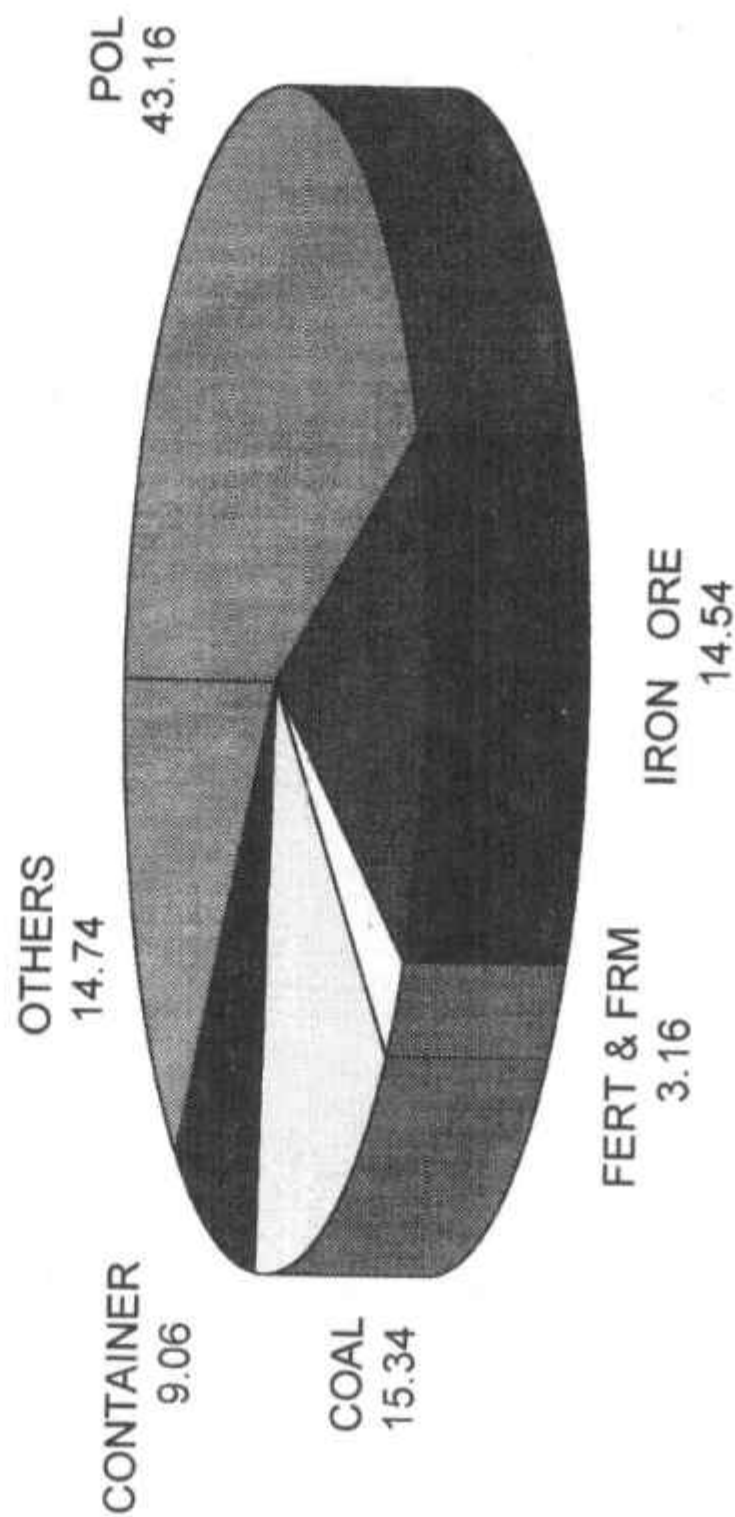
1. Traffic - IPA

2. Capacity - Development Wing, MOST

TRAFFIC HANDLED AT MAJOR PORTS (IN MILLION TONNES)

1996-97

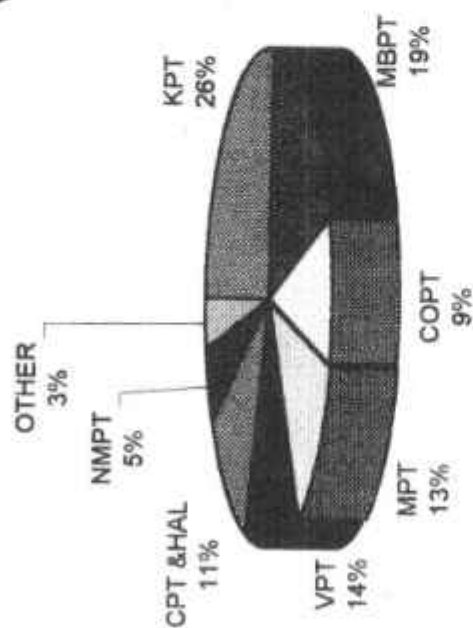
(In Percentage)



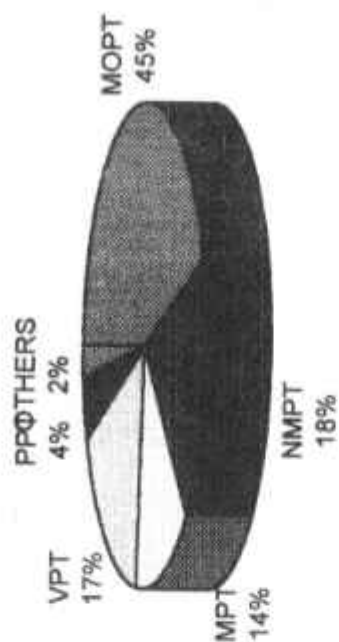
TRAFFIC HANDLED AT MAJOR PORTS

(1996-97)
(IN PERCENTAGE)

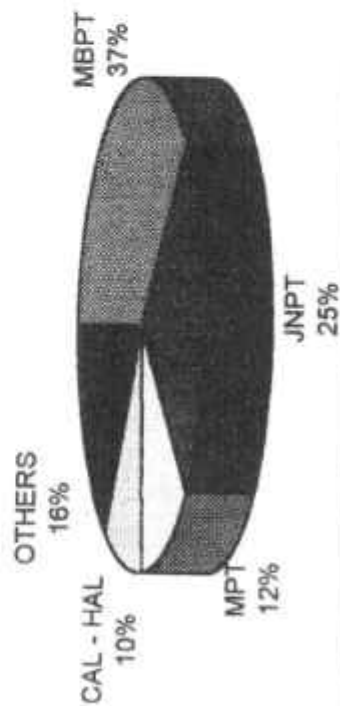
POL TRAFFIC



IRON ORE TRAFFIC



CONTAINER TRAFFIC



COAL TRAFFIC

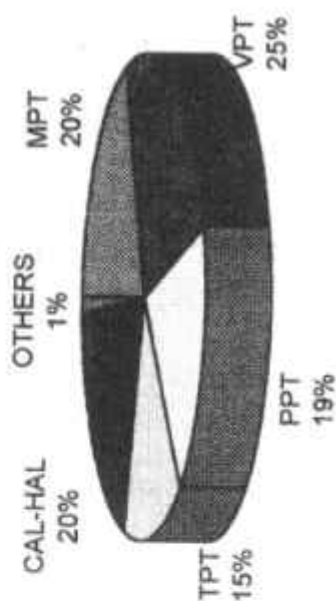


TABLE - IV

Traffic Handled At Major Ports of Selected Commodities -- 1996-97

Port	POL	Iron Ore	Ferti- liser	FRM	Food- grains	Coal	Container Cargo		Others	Total
							'000 Tonnes	'000 TEUs		
Kandla	25061	-	366	651	1951	69	1179	77	4453	33730
Mumbai	18712	2	50	673	114	-	7632	583	6544	33727
JL Nehru	-	686	984	302	380	-	5078	423	639	8069
Mormugao	1226	14635	38	-	-	144	34	3	1235	17312
New Mangalore	4915	5945	222	29	106	19	-	-	1217	12453
Cochin	9233	-	194	344	28	119	967	112	857	11742
Tuticorin	433	-	259	255	148	5351	901	89	1827	9174
Chennai	12448	4656	542	353	33	6922	2564	256	4330	31848
Visakhapatnam	13378	5741	490	789	438	8905	166	13	4591	34498
Paradip	1693	1382	128	147	26	6513	-	-	1691	11580
Calcutta	2488	-	42	50	28	14	1951	133	1450	6023
Haldia	8493	-	31	240	4	6816	118	9	1399	17101
All Ports	98080	33047	3346	3833	3256	34872	20590	1698	30233	227257

TABLE - V
Traffic Handled At Major Ports In India -- 1996-97 (P)
(Overseas and Coastal)

(In Million Tonnes)

Port	Overseas					Coastal					Overseas & Coastal				
	Loaded		Unloaded		Tranship- ment	Loaded		Unloaded		Tranship- ment	Loaded		Unloaded		Tranship- ment
	1.	2.	3.	4.		5.	6.	7.	8.		9.	10.	11.	12.	13.
Kandla	4.33	22.19	2.17	26.69		0.14	4.87	0.03	5.04		4.47	27.06	2.20	33.73	
Mumbai	6.60	18.05	-	24.65		8.76	0.32	-	9.08		15.36	18.37	-	33.73	
J.L. Nehru	3.26	4.19	0.27	7.72		-	0.35	-	0.35		3.26	4.54	0.27	8.07	
Mormugao	15.26	1.04	0.10	16.40		0.10	0.72	0.09	0.91		15.36	1.76	0.19	17.31	
New Mangalore	5.89	4.17	0.03	10.09		2.08	0.26	0.02	2.36		7.97	4.43	0.05	12.45	
Cochin	1.19	4.50	-	5.69		1.06	4.99	-	6.05		2.25	9.49	-	11.74	
Tuticorin	1.56	1.73	-	3.29		0.01	5.86	-	5.89		1.57	7.61	-	9.18	
Chennai	8.90	14.59	0.51	24.00		0.50	6.84	0.51	7.85		9.40	21.43	1.02	31.85	
Vishakhapatnam	7.24	11.09	4.72	23.05		6.04	3.43	1.98	11.45		13.28	14.52	6.70	34.50	
Paradip	1.82	3.74	-	5.56		5.90	0.11	0.01	6.02		7.72	3.85	0.01	11.58	
Haiderabad	0.37	11.73	-	12.10		4.74	0.26	-	5.00		5.11	11.99	-	17.10	
Calcutta	1.40	1.56	0.31	3.27		0.26	2.49	-	2.75		1.66	4.05	0.31	6.02	
All Ports	57.82	98.58	8.11	164.51		29.59	30.52	2.64	62.75		87.41	129.10	10.75	227.26	

TRAFFIC HANDLED AT INDIAN PORTS (MILLION TONNES)

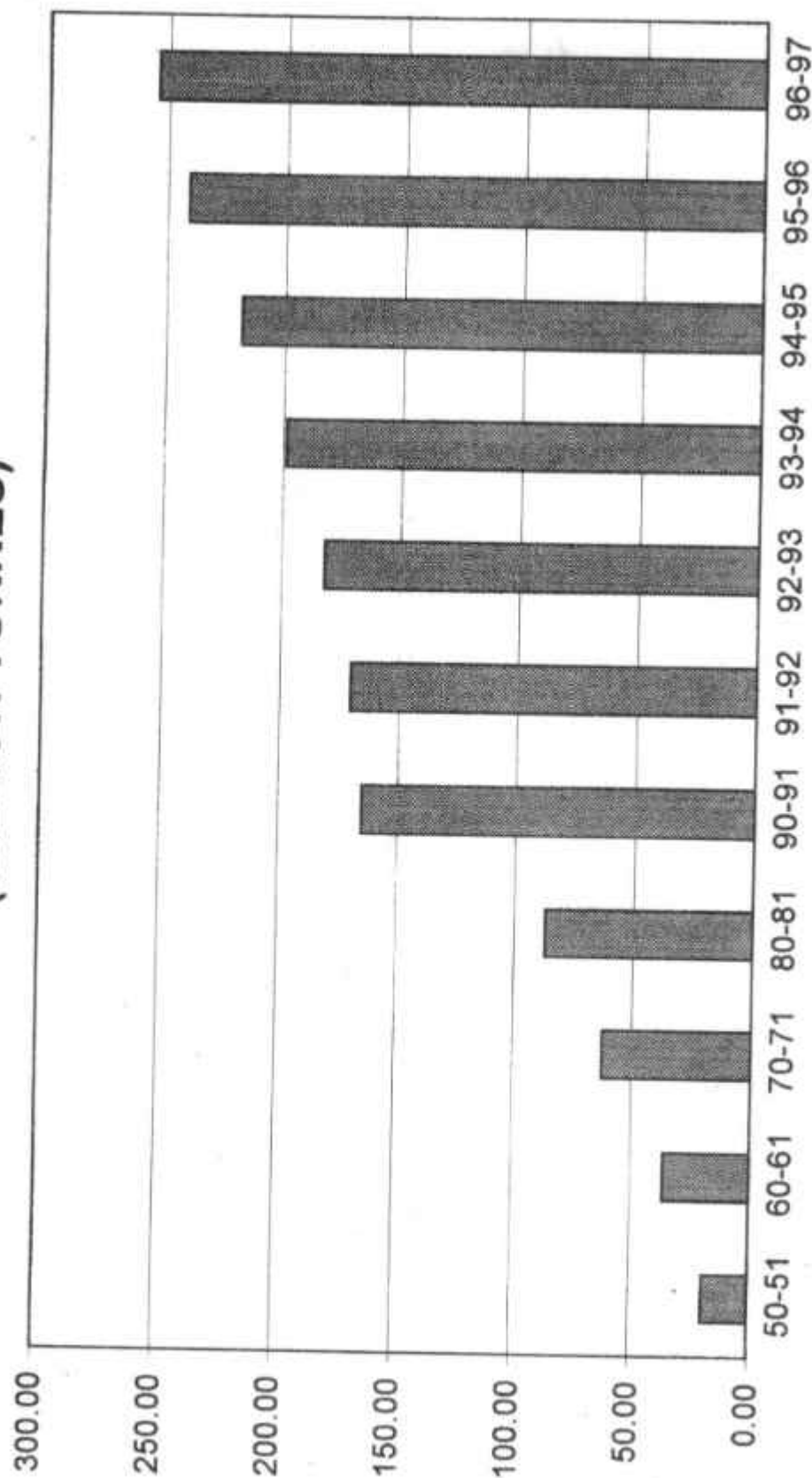


TABLE - VI
Cargo Traffic At Minor/Intermediate Ports -- 1996-97(P) ('000 Tonnes)

State / U.T.	Overseas			Coastal			Overseas & Coastal		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
Gujarat	8812	6229	15041	2726	1917	4643	11538	8146	19684
Maharashtra	660	44	704	3193	226	3419	3853	270	4123
Goa	-	-	-	7	55	62	7	55	62
Daman & Diu	-	-	-	-	-	-	-	-	-
Karnataka	78	188	266	82	21	103	160	209	369
Kerala *	5	157	162	...	35	35	5	192	197
Tamil Nadu	20	3	23	-	-	-	20	3	23
Pondicherry	45	-	45	-	-	-	45	-	45
Andhra Pradesh	340	891	1231	77	727	804	417	1618	2035
Orissa	116	54	170	-	-	-	116	54	170
Andaman & Nicobar Islands	-	-	-	239	56	295	239	56	295
Total	10076	7566	17642	6324	3037	9361	16400	10603	27003

* Data relates to 1994-95.

TABLE - VII

Month-wise Vessels Arrived, Sailed And Traffic Handled During 1996-97

Name of the Port	April 1996	May 1996	June 1996	July 1996	Aug. 1996	Sept. 1996	Oct. 1996	Nov. 1996	Dec. 1996	Jan. 1997	Feb. 1997	March 1997
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.
Kandla												
i) Arrived	137	168	129	138	139	113	138	118	144	136	134	156
ii) Sailed	153	163	142	118	144	109	148	119	139	113	127	150
iii) Traffic handled	2577	3001	2471	2984	2564	2064	2690	2665	3022	3217	2810	3638
('000 Tonnes)												
Mumbai												
i) Arrived	186	220	183	153	197	222	157	178	154	149	150	143
ii) Sailed	200	228	205	141	206	260	187	216	164	174	144	184
iii) Traffic handled	2565	3149	2775	2493	2556	2271	2672	2852	3122	2952	2964	3187
('000 Tonnes)												
J.L. Nehru												
i) Arrived	51	28	50	58	...	...	...	...	54	62	64	45
ii) Sailed	44	24	40	40	...	...	...	...	42	47	50	45
iii) Traffic handled	572	533	620	678	751	708	692	727	718	701	628	727
('000 Tonnes)												
Mormugao												
i) Arrived	...	54	33	41	34	31	46	...	46	56	46	60
ii) Sailed	...	55	42	36	30	29	29	...	38	48	48	56
iii) Traffic handled	2059	2349	728	409	245	405	1826	1636	1535	2313	1704	2172
('000 Tonnes)												

TABLE - VII (Contd....)

Month-wise Vessels Arrived, Sailed And Traffic Handled During 1996-97

Name of the Port	April 1996	May 1996	June 1996	July 1996	Aug. 1996	Sept. 1996	Oct. 1996	Nov. 1996	Dec. 1996	Jan. 1997	Feb. 1997	March 1997
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.
New Mangalore												
i) Arrived	...	37	...	...	47	57	57	64	72	59	62	64
ii) Sailed	...	37	...	...	44	61	52	60	69	63	59	71
iii) Traffic handled	744	763	765	1060	791	1234	1052	1195	1251	1347	950	1301
('000 Tonnes)												
Cochin												
i) Arrived	74	83	71	71	66	71	83	78	90	95	75	83
ii) Sailed	74	80	75	72	63	70	84	77	87	99	72	83
iii) Traffic handled	875	1079	1030	816	811	816	982	969	1198	1181	888	979
('000 Tonnes)												
Tuticorin												
i) Arrived	76	79	76	81	88	75	76	78	91	80	81	87
ii) Sailed	85	73	74	78	93	77	70	79	89	81	86	84
iii) Traffic handled	847	768	784	866	771	664	704	675	871	729	621	873
('000 Tonnes)												
Chennai												
i) Arrived	150	146	139	135	145	165	148	132	136	155	141	...
ii) Sailed	147	147	140	158	146	158	132	131	136	169	146	...
iii) Traffic handled	2995	2601	2287	2639	2674	2905	2495	2608	2756	2629	2546	2712
('000 Tonnes)												

TABLE - VII (Contd...)

Month-wise Vessels Arrived, Sailed And Traffic Handled During 1996-97

Name of the Port	April 1996	May 1996	June 1996	July 1996	Aug. 1996	Sept. 1996	Oct. 1996	Nov. 1996	Dec. 1996	Jan. 1997	Feb. 1997	March 1997
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.
Visakhapatnam												
i) Arrived	129	128	116	148	135	127	122	122	...	124	...	154
ii) Sailed	119	125	99	133	124	114	108	120	...	131	...	148
iii) Traffic handled	3068	2567	2301	2960	3011	2804	2507	2806	2711	3051	3343	3371
('000 Tonnes)												
Paradip												
i) Arrived	...	56	47	47	49	52	54	45	49	52	58	60
ii) Sailed	...	45	45	49	46	49	55	45	46	50	51	59
iii) Traffic handled	906	855	779	1018	918	1011	1014	834	955	838	1093	1361
('000 Tonnes)												
Halidia												
i) Arrived	78	61	62	77	80	76	79	76	85	91	85	98
ii) Sailed	80	64	61	72	84	74	80	71	90	88	87	97
iii) Traffic handled	1448	1173	1020	1471	1538	1406	1529	1301	1515	1505	1364	1783
('000 Tonnes)												

TABLE - VII (Contd....)

Month-wise Vessels Arrived, Sailed And Traffic Handled During 1996-97

Name of the Port	April 1996	May 1996	June 1996	July 1996	Aug. 1996	Sept. 1996	Oct. 1996	Nov. 1996	Dec. 1996	Jan. 1997	Feb. 1997	March 1997
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.
Calcutta												
i) Arrived	78	73	69	72	68	82	77	71	75	81	82	73
ii) Sailed	82	67	73	62	74	77	70	70	69	86	76	71
iii) Traffic handled	568	502	509	508	502	489	413	484	457	557	528	502
('000 Tonnes)												
ALL PORTS												
i) Arrived	959	1133	975	1021	1048	1071	1037	962	996	1140	978	1023
ii) Sailed	984	1108	996	959	1054	1078	1015	988	969	1149	946	1048
iii) Traffic handled	19224	19340	16069	17902	17132	16777	18576	18752	20111	21020	19439	22506
('000 Tonnes)												

NOTE: Monthwise all Ports data does not include data for the missing months in some of the Ports.

TABLE - VIII
Selected Port Performance Indicators (Port-wise) -- 1996-97 (P)

Item / Port	Kandla	Mumbai	J.L.Nehru	Mormugao	New Mangalore	Cochin	Tuticorin	Chennai	Vishakhapatnam	Paradip	Haladia	Calcutta	All Ports
1. No. of vessels sailed													
i) Dry-bulk	224	100	49	268	163	43	292	425	531	356	341	14	2808
ii) Tankers	868	966	64	197	336	369	137	547	600	187	467	336	5074
iii) Break-bulk	305	654	80	12	145	98	294	293	243	11	43	184	2362
iv) Container	130	863	408	30	-	277	182	395	63	-	95	288	2731
v) All types	1527	2583	601	507	644	787	905	1660	1437	556	946	822	12975
2. Av. Pre-berthing detention (days)													
i) Dry-bulk	10.1	8.8	5.5	0.2	3.4	0.6	1.5	5.2	2.8	1.0	1.2	0.9	3.3
ii) Tankers	5.3	4.4	2.5	0.9	1.1	1.7	0.9	5.8	0.7	2.8	3.3	1.5	3.3
iii) Break-bulk	9.6	6.5	2.6	1.0	0.3	0.6	2.5	2.8	1.5	1.7	1.9	0.8	4.2
iv) Container	2.5	2.8	1.5	0.1	-	0.6	0.6	1.6	0.5	-	0.1	0.4	1.6
v) All types	6.6	4.6	2.1	0.5	1.5	1.1	1.6	4.1	1.6	1.6	2.2	1.0	3.1
3. Av. Turn round time (days)													
i) Dry-bulk	18.3	27.4	14.5	8.8	7.5	13.6	5.8	12.0	8.8	6.2	7.7	21.2	10.6
ii) Tankers	7.2	8.0	5.1	4.4	2.6	3.8	2.7	8.2	3.0	4.4	5.2	5.4	5.6
iii) Break-bulk	16.5	17.2	2.9	10.6	5.3	5.7	6.9	9.9	6.8	8.5	11.5	15.3	12.3
iv) Container	5.5	6.8	3.7	1.1	-	2.8	3.1	4.3	2.3	-	1.5	5.9	4.8
v) All types	10.6	10.7	5.3	6.7	4.4	4.2	5.2	6.6	5.7	5.6	6.0	8.1	7.7

TABLE - VIII (Contd...)
Selected Port Performance Indicators (Port-wise) -- 1996-97(P)

Item / Port	Kandla	Mumbai	J.L.Nehru	Mormugao	New Mangalore	Cochin	Tuticorin	Chennai	Visakhapatnam	Paradip	Halda	Calcutta	All Ports
4. % Idle time to time at working berth													
i) Dry-bulk	9.8	32.0	15.9	24.8	47.2	46.0	31.4	27.1	10.3	22.7	48.0	44.8	25.0
ii) Tankers	28.3	25.5	31.2	27.4	31.3	27.2	32.6	30.4	22.3	...	25.8	52.5	25.0
iii) Break-bulk	13.3	38.4	...	18.4	56.0	47.0	48.1	40.9	17.1	22.5	51.7	54.3	38.6
iv) Container	15.0	25.8	17.5	29.6	-	54.9	43.0	43.6	16.3	-	63.2	31.8	30.8
v) All types	16.4	32.3	18.0	25.0	46.9	42.7	38.8	34.4	13.7	20.0	42.3	48.1	30.7
5. Output per ship berth day (tonnes)													
i) Dry-bulk	2223	744	3369	9650	9766	1403	5181	5915	6247	5018	4361	470	4708
ii) Tankers	18193	7924	3644	5271	13160	14544	4065	12755	12910	7974	15287	2706	10510
iii) Break-bulk	1248	637	...	986	835	742	802	762	1586	487	778	331	776
iv) Container	3420	2230	4796	551	-	1498	1985	2451	1558	-	1526	2046	2528
v) All types	6320	2392	4137	8363	7022	5339	2934	4901	6548	5249	6007	1168	4249

TABLE - IX

Major Ports - Average Pre-Berthing Time -- 1996-97 (P)

(In Days)

Port --->	Calcutta	Malda	Paradip	Vizag	Chennai	Tuticorin	Cochin	New Mangalore	Mormugao	Mumbai	Kandla	J.L.Nehru	All Ports
Commodity													
P.O.L.	1.53	3.63	3.49	0.64	7.16	0.90	1.87	1.12	1.13	5.01	5.25	2.49	3.48
Iron Ore	-	-	1.60	1.05	0.98	-	-	3.97	0.15	2.62	-	2.40	1.61
Coking Coal	0.85	1.62	0.86	6.86	20.67	-	-	0.04	-	-	1.08	-	4.20
Thermal Coal	-	0.43	0.51	0.57	2.19	1.14	-	-	-	-	-	-	1.05
Fertilisers	1.83	2.08	2.29	1.44	6.15	1.68	0.23	0.69	2.79	9.76	2.91	8.32	3.76
Raw Materials	0.65	2.51	2.04	1.59	4.52	2.89	0.95	0.46	-	8.69	6.25	9.23	4.95
Other Dry Bulk	0.80	2.13	1.57	1.06	11.25	2.53	0.37	0.19	0.38	9.94	12.37	2.94	6.04
Other Lqd. Bulk	1.44	0.96	0.31	1.10	2.13	0.86	0.87	1.11	0.25	3.61	5.34	2.63	2.65
General Cargo	0.70	1.90	1.58	1.41	2.70	2.53	0.59	0.33	1.00	6.39	9.59	-	4.01
Containers	0.44	0.13	-	0.52	1.62	0.64	0.56	-	0.08	2.78	2.46	1.53	1.62
Total	0.95	2.19	1.61	1.60	4.07	1.56	1.12	1.51	0.52	4.57	6.61	2.14	3.05

AVERAGE PRE-BERTHING WAITING TIME (IN DAYS)

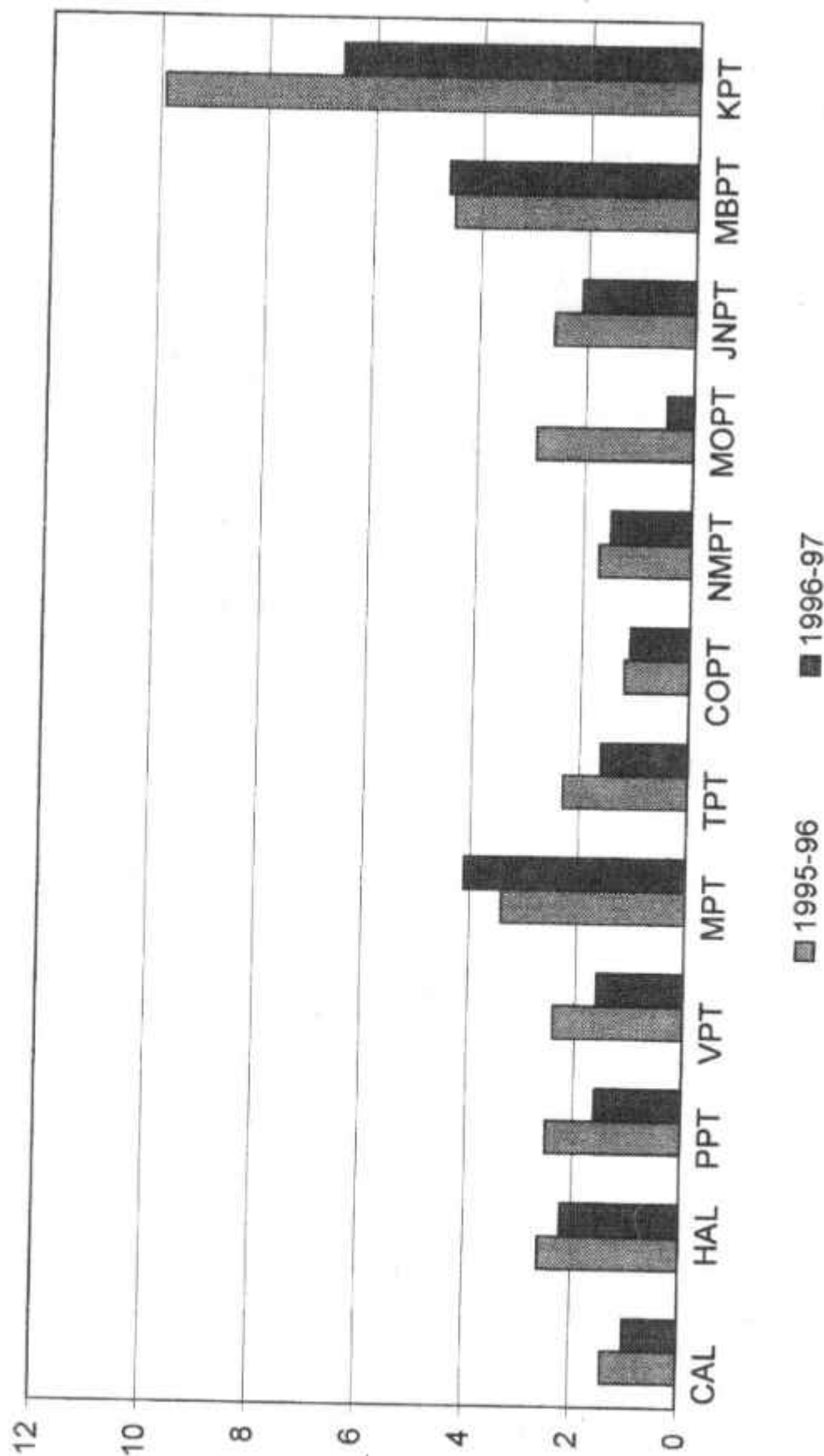
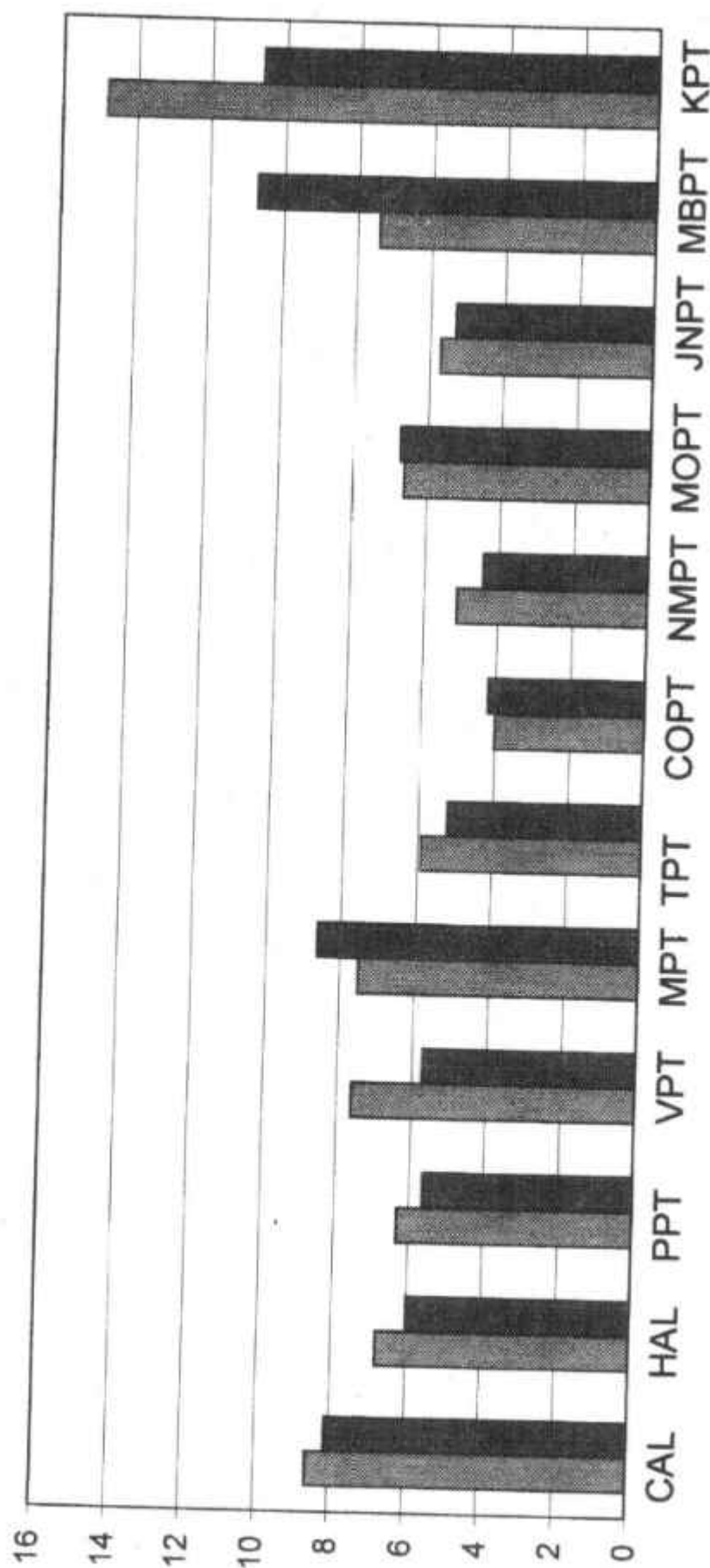


TABLE - X

Major Ports - Average Turn Round Time -- 1986-97 (P)

Port ---> Commodity	(In Days)									
	Calcutta	Haldia	Paradip	Vizag	Chennai	Tuticorin	Cochin	New Mangalore	Moreugao Mumbai	Kandla J.L.Nehru All Ports
P.O.L	5.25	5.42	5.04	2.82	9.44	3.05	4.11	2.52	4.49	8.17 7.17 4.86 5.85
Iron Ore	-	-	4.22	4.89	4.55	-	-	5.74	9.22	7.91 - 11.61 6.87
Coking Coal	12.64	9.11	4.96	13.35	28.60	-	-	15.19	9.76	- 5.81 - 10.78
Thermal Coal	-	3.17	6.53	5.85	7.02	4.28	-	-	-	- - 5.41
Fertilisers	24.94	26.89	18.06	16.99	24.87	14.09	16.50	21.79	14.80	25.71 14.14 21.17 19.49
Raw Materials	20.01	17.28	16.35	8.39	13.97	10.70	11.56	7.92	-	29.00 11.18 14.64 16.16
Other Dry Bulk	20.98	13.21	5.70	6.21	19.81	8.27	14.11	12.59	7.60	27.40 21.47 13.16 15.59
Other Lqd. Bulk	6.16	3.21	1.75	3.02	4.81	2.47	2.29	2.69	3.95	7.69 7.36 5.38 5.44
General Cargo	13.29	11.47	7.87	6.47	9.55	6.94	5.79	5.28	10.60	16.98 16.56 - 11.93
Containers	5.87	1.54	-	2.32	4.33	3.13	2.81	-	1.07	6.76 5.45 3.74 4.86
Total	8.05	6.00	5.62	5.66	8.57	5.16	4.21	4.43	6.68	10.67 10.56 5.35 7.73

AVERAGE TURN ROUND TIME (IN DAYS)



■ 1995-96 ■ 1996-97

Major Portn - Average Non-Working Time At Berth -- 1996-97(P)

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TABLE - XII
Major Ports - Output per Ship Berth Day -- 1996-97(P)

(In Tonnes)

Port --->	Calcutta	Haldia	Paradip	Vizag	Chennai	Tuticorin	Cochin	New Mangalore	Mormugao	Mumbai	Kandla	J.L.Nehru
Commodity												
P.O.L	3061	16304	7546	15193	17498	4200	15394	16124	6703	11675	23652	5204
Iron Ore	-	-	17617	21244	31816	-	-	26593	13691	4728	-	3843
Coking Coal	326	3822	6744	5962	2522	-	-	1291	4187	-	4639	-
Thermal Coal	-	14096	4855	5903	6993	8394	-	-	-	-	-	-
Fertilisers	456	685	1359	1594	1504	1407	1250	650	1226	633	2231	3280
Raw Materials	495	790	2411	2677	1496	1364	1567	798	-	535	2640	3908
Other Dry Bulk	451	1902	2913	3743	3524	1412	1385	1717	1456	941	2126	2613
Other Lqd. Bulk	1356	8042	9803	4113	3473	3939	5725	3559	3095	1904	4911	2935
General Cargo	376	800	482	1633	762	798	719	835	1005	644	1245	-
Containers	2046	1526	-	1558	2451	1995	1498	-	551	2230	3420	4796
Total	1166	6007	5249	6548	4901	2934	5339	7022	8363	2392	6320	4137

OUTPUT PER SHIP BERTH DAY (IN THOUSAND TONNES)

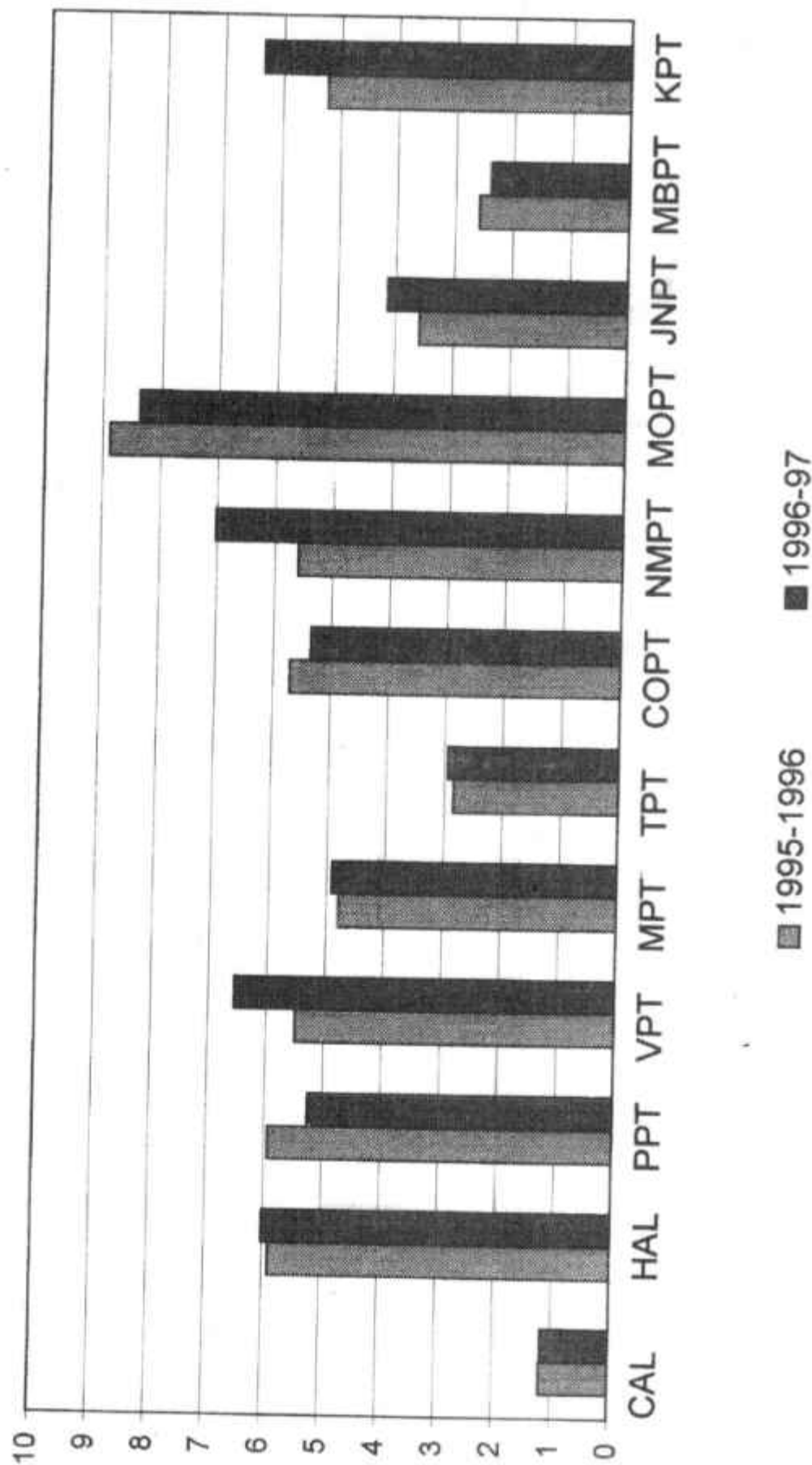


Table XIII(P)

Major Ports-Average Pre-Berthing Detention (In Days)

Port	1995-96			1996-97		
	Total	Port A/c	Non-Port A/c	Total	Port A/c	Non-Port A/c
Calcutta	1.33	0.53	0.80	0.94	0.15	0.79
Haldia	2.61	1.49	1.12	2.19	0.69	1.50
Paradip	2.42	1.81	0.61	1.61	0.70	0.91
Visakhapatnam	2.38	2.25	0.13	1.60	1.49	0.11
Chennai	3.40	1.09	2.31	4.07	1.08	2.99
Tuticorin	2.28	0.39	1.89	1.56	0.26	1.30
Cochin	1.24	0.74	0.50	1.12	0.41	0.71
New Mangalore	1.73	1.60	0.13	1.51	1.13	0.38
Mormugao	1.09	0.40	0.69	0.51	0.27	0.24
J.L.Nehru	2.94	2.78	0.16	2.14	1.25	0.15
Mumbai	4.22	2.06	2.16	4.57	2.40	2.17
Kandla	9.56	7.14	2.42	6.61	5.30	1.31
All Ports	3.45	2.00	1.45	3.10	1.70	1.40

Source : Indian Ports Association

Note : For the sake of comparison figures for 1995-96 has been taken from IPA in this table. There is marginal variation (except Mormugao) in figures given by IPA and given in Administrative Reports of ports which is the source for other tables. In case of Mormugao the difference is, mainly due to non inclusion of preberthing detention at non-working berth by IPA.

PORT SECTOR (MAJOR AND MINOR)
AT A GLANCE



Port Sector At A Glance

Item	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96
I. NO. OF PORTS						
i) Major	11	11	11	11	11	11
ii) Minor/Intermediate	163	163	163	163	163	179
iii) Total	174	174	174	174	174	190
MAJOR PORTS						
II. CARGO HANDLED						
(In million tonnes)						
i) POL	64.00	67.60	73.76	76.92	80.37	90.92
ii) Iron Ore	31.73	31.60	29.83	34.10	34.35	34.56
iii) Fertiliser & Raw Materials	8.94	9.92	9.91	9.47	11.00	12.36
iv) Coal	19.66	22.40	24.49	26.81	30.00	33.79
Coke & Coking Coal	5.97	6.21	7.02	7.81	5.73	4.48
Other Coal	13.69	16.19	17.47	19.00	25.07	29.31
v) Others (including containers)	27.12	25.12	28.51	31.72	39.37	43.58
Total	151.67	156.64	166.50	179.02	195.89	215.21
III. CONTAINERS						
('000 TEUs)						
(million tonnes)	681	681	797	1048	1258	1449
IV. PASSENGER TRAFFIC						
HANDLED ('000 Nos.)	7.70	6.72	7.62	11.90	15.01	17.44
	156	162	203	216	266	296

Port Sector At A Glance (Contd.)

V.EMPLOYMENT (Thousand number)	1991	1992	1993	1994	1995	1996
	102	97	94	103	98	97

VI.FINANCIAL PERFORMANCE	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96
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i) Total Revenue (Rs.million)	12582	14474	17865	20646	23173	27586
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ii) Total Expenditure (Rs.million)	9304	11002	12762	14445	16770	18772
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VII.SELECTED PERFORMANCE INDICATORS	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96
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i) Total Vessels Sailed (Nos.)	8919	9026	10130	10608	11681	12234
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ii) Av. Turn Round Time (days)	8.1	6.7	6.7	6.3	6.7	7.7
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iii) Av. Pre-Berthing Detention (days)	2.1	1.6	2.0	1.9	2.4	3.6
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iv) Output Per Ship Berthday(tonnes)	3372	3942	3575	3892	3968	4047
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Port Sector At A Glance (Contd.)

Item	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96
MINOR PORTS						
I. CARGO HANDLED (In million tonnes)						
i) Fertiliser & raw material	2.63	2.15	3.01	2.28	1.65	1.78
ii) Iron & other ore	0.95	0.36	0.49	0.44	5.18	4.69
iii) Oil cakes	1.71	2.07	2.37	2.48	2.15	2.04
iv) Building material	1.86	1.80	1.53	1.55	4.04	4.10
v) Salt	0.17	0.17	0.17	0.25	0.18	0.17
vi) Others	5.46	6.71	7.84	12.47	9.08	13.04
TOTAL	12.78	13.26	15.41	19.47	22.28	25.82
II. PASSENGER TRAFFIC HANDLED (Million Nos.)						
	12.76	14.11	13.47	13.88	14.11	16.22
III. SHIP TRAFFIC (Nos.)						
i) Steamers	1879	1781	4146*	4294*	4938*	8349*
ii) Sailing vessels	25908	26851	22467	28516	14945	20892

* The increase is mainly due to A & N Island Data.
for details see Table 3.3.1.

SECTION-1

SUMMARY TABLES
(MAJOR/MINOR PORTS)

1.1.1 Trend Of Cargo Traffic Handled At Indian Ports
(In Million Tonnes)

Ports/ Years	Overseas			Coastal			Overseas & Coastal		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
MAJOR PORTS									
1980-81	39.09	28.50	67.59	7.73	4.95	12.68	46.82	33.45	80.27
1985-86	45.82	36.73	82.55	22.16	14.91	37.07	67.98	51.64	119.62
1989-90	54.13	45.26	99.39	26.72	21.46	48.18	80.85	66.72	147.57
1990-91	59.02	43.63	102.65	26.07	22.95	49.02	85.09	66.58	151.67
1991-92	59.91	44.89	104.80	26.66	25.18	51.84	86.57	70.07	156.64
1992-93	74.09	43.28	117.37	24.35	24.78	49.13	98.44	68.06	166.50
1993-94	76.02	53.48	129.50	24.81	24.71	49.52	100.83	78.19	179.02
1994-95	83.60	52.18	135.78	29.60	30.51	60.11	113.20	82.69	195.89
1995-96	94.86	57.24	152.10	31.79	31.32	63.11	126.65	88.56	215.21
MINOR PORTS									
1980-81	1.92	3.39	5.31	0.58	0.85	1.43	2.50	4.24	6.74
1985-86	3.87	2.89	6.76	1.03	1.26	2.29	4.90	4.15	9.05
1989-90	4.25	4.51	8.76	1.14	0.96	2.10	5.39	5.47	10.86
1990-91	5.71	3.85	9.56	1.97	1.25	3.22	7.68	5.10	12.78
1991-92	4.77	4.10	8.87	3.02	1.37	4.39	7.79	5.47	13.26
1992-93	6.24	4.74	10.98	3.09	1.34	4.43	9.33	6.08	15.41
1993-94	7.57	6.64	14.21	3.84	1.42	5.26	11.41	8.06	19.47
1994-95	8.61	6.42	15.03	5.37	1.88	7.25	13.98	8.30	22.28
1995-96	9.98	8.16	18.14	5.18	2.50	7.68	15.16	10.66	25.82
ALL PORTS									
1980-81	41.01	31.89	72.90	8.31	5.80	14.11	49.32	37.69	87.01
1985-86	49.69	39.62	89.31	23.19	16.17	39.36	72.88	55.79	128.67
1989-90	58.38	49.77	108.15	27.86	22.42	50.28	86.24	72.19	158.43
1990-91	64.73	47.48	112.21	28.04	24.20	52.24	92.77	71.68	164.45
1991-92	64.68	48.99	113.67	29.68	26.55	56.23	94.36	75.54	169.90
1992-93	80.33	48.02	128.35	27.44	26.12	53.56	107.77	74.14	181.91
1993-94	83.59	60.12	143.71	28.65	26.13	54.78	112.24	86.25	198.49
1994-95	92.21	58.60	150.81	34.97	32.39	67.36	127.18	90.99	218.17
1995-96	104.84	65.40	170.24	36.97	33.82	70.79	141.81	99.22	241.03

1.1.2 Cargo Handled At Ports - By State

(In '000 Tonnes)

Port/State/Type of Traffic	1980-81	1985-86	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
GUJARAT	11541	21051	25552	28998	31298	34794	40245	43445	48820
Kandla	8761	16486	18925	19685	21002	22910	24500	26502	30339
Other Ports	2780	4565	6627	9313	10296	11884	15745	16943	18481
Overseas	9552	12407	16735	20615	21480	26975	33083	34650	40653
Coastal	1989	8644	8817	8383	9818	7819	7162	8795	8167
Loaded	1859	3012	5302	5734	6905	6957	9760	10475	12795
Unloaded	9682	18039	20250	23264	24393	27837	30485	32970	36025
MAHARASHTRA	18351	25910	29782	31849	29587	32256	34539	38127	44260
Mumbai	16978	24310	27746	28899	26261	28946	30506	30673	33916
J.L.Nehru	-	-	697	2022	2794	3007	3387	5008	6873
Other Ports	1373	1600	1339	928	532	303	646	2446	3471
Overseas	13803	15438	18223	18984	17328	21386	25432	25565	29944
Coastal	4548	10472	11559	12865	12259	10870	9107	12562	14316
Loaded	5012	13657	15880	16157	15715	14621	14391	16374	19250
Unloaded	13339	12253	13902	15692	13872	17635	20148	21753	25010

1.1.2 Cargo Handled At Ports - By State

(In '000 Tonnes)

Port/State/Type of Traffic										
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
GOA		13772	16117	14168	14912	15111	16526	18929	19093	18307
Mormugao		13764	16115	14168	14911	15099	16314	18717	18881	18095
Other Ports		8	2	...	1	12	212	212	212	212
Overseas		13542	15659	13511	14213	14175	15251	17567	17445	17482
Coastal		230	458	657	699	936	1275	1362	1648	825
Loaded		12922	14496	12685	13191	12709	14044	16306	16273	15400
Unloaded		850	1621	1483	1721	2402	2482	2623	2820	2907
Daman & Diu		7	4	1	neg.	neg.	-	-	-	-
Overseas		-	-	-	-	-	-	-	-	-
Coastal		7	4	1	neg.	neg.	-	-	-	-
Loaded		4	neg.	-	-	-	-	-	-	-
Unloaded		3	4	1	neg.	neg.	-	-	-	-
KARNATAKA		2031	4545	8314	8633	8657	7558	8940	8460	9407
N. Mangalore		963	3686	7661	8022	8274	7088	8630	8005	8884
Other Ports		1068	859	653	611	383	470	310	455	523
Overseas		1475	3978	7668	7702	7335	6785	7955	7218	7947
Coastal		556	567	646	931	1322	773	985	1242	1460
Loaded		1141	3113	6676	6999	7136	5744	7531	6533	7191
Unloaded		890	1432	1638	1634	1521	1814	1409	1927	2216

1.1.2 Cargo Handled At Ports - By State

(In '000 Tonnes)

Port/State/Type of Traffic	1980-81	1985-86	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
KERALA	5424	5388	7281	7405	7611	8103	7719	8828	11700
Cochin	5233	5277	7124	7275	7481	7978	7620	8631	11503
Other Ports	191	111	157	130	130	125	99	197	197
Overseas	3836	2369	3085	2604	3106	3284	3107	4023	4868
Coastal	1588	3019	4196	4801	4505	4819	4612	4805	6832
Loaded	1292	819	1188	1145	1169	1233	1367	1630	2570
Unloaded	4132	4569	6093	6260	6442	6870	6352	7198	9130
TAMIL NADU	13128	22849	29640	29820	31099	31806	33321	37629	40123
Tuticorin	2560	4221	5324	5075	5868	6215	6700	8041	9286
Chennai	10375	18148	23940	24518	25046	25331	26541	29464	30721
Other Ports	193	480	376	227	185	260	80	124	116
Overseas	10979	15501	17736	17714	17849	18645	19428	21210	25168
Coastal	2149	7348	11904	12106	13250	13161	13893	16419	14955
Loaded	4498	7341	10317	10062	10754	9864	10774	11413	11621
Unloaded	8630	15508	19323	19758	20345	21942	22547	26216	28502

1.1.2 Cargo Handled At Ports - By State

(In '000 Tonnes)

Port/State/Type of Traffic	1980-81	1985-86	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
PONDICHERRY	49	118	229	70	53	47	22	26	26
Overseas	49	118	229	70	53	47	22	26	26
Coastal	-	-	-	-	-	-	-	-	-
Loaded	-	-	-	-	-	-	-	-	-
Unloaded	49	118	229	70	53	47	22	26	26
ANDHRA PRADESH	10972	16985	22491	20545	22702	24325	27402	31416	35120
Visakhapatnam	10123	15911	21117	19421	21522	22765	25595	30029	32817
Other Ports	849	1074	1374	1124	1180	1560	1807	1387	2303
Overseas	10300	12125	16301	14944	16014	19157	20327	21538	23518
Coastal	672	4860	6190	5601	6688	5168	7075	9878	11602
Loaded	6642	7378	11439	9719	11869	10919	13927	15118	16838
Unloaded	4330	9607	11052	10826	10833	13406	13475	16298	18282
ORISSA	2241	3331	6252	6945	7447	7813	8539	10321	11459
Paradip	2241	3331	6184	6884	7297	7606	8327	10121	11259
Other Ports	-	-	68	61	150	207	212	200	200
Overseas	2240	3049	4960	5001	5078	4427	4853	5978	6535
Coastal	1	282	1292	1944	2369	3386	3686	4343	4924
Loaded	1934	2374	3766	4056	4449	5231	5827	6669	7098
Unloaded	307	957	2486	2889	2998	2582	2712	3652	4361

1.1.2 Cargo Handled At Ports - By State

(In '000 Tonnes)

Port/State/Type of Traffic	1980-81	1985-86	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
WEST BENGAL	9272	12128	14689	14953	16000	18337	18496	20535	21515
Calcutta-Haldia	9272	12128	14689	14953	16000	18337	18496	20535	21515
Other Ports	-	-	-	-	-	-	-	-	-
Overseas	7120	8664	9698	10372	11248	12383	11937	13155	14105
Coastal	2152	3464	4991	4581	4752	5954	6559	7380	7410
Loaded	2284	3471	4933	4537	4747	5422	6279	6453	6400
Unloaded	6988	8657	9756	10416	11253	12915	12217	14082	15115
SEA-ISLANDS	214	242	32	317	337	337	337	292	295
Other Ports	214	242	32	317	337	337	337	292	295
Overseas	3	-	-	-	-	-	-	-	-
Coastal	211	242	32	317	337	337	337	292	295
Loaded	100	126	1	82	99	99	99	60	56
Unloaded	114	116	31	235	238	238	238	232	239
ALL INDIA	87002	128668	158431	164447	169902	181902	198489	218172	241032
Major Ports	80270	119613	147575	151665	156644	166497	179019	195890	215208
Other Ports	6732	9055	10856	12782	13258	15405	19470	22282	25824
Overseas	72899	89308	108146	112219	113666	128340	143711	150808	170246
Coastal	14103	39360	50285	52228	56236	53562	54778	67364	70786
Loaded	37688	55787	72187	71682	75552	74134	86261	90998	99219
Unloaded	49314	72881	86244	92765	94350	107768	112228	127174	141813

1.1.3 Cargo Unloaded (Overseas & Coastal) At Ports - By State

('000 Tonnes)

Port/State/Type of Traffic	1980-81	1985-86	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
GUJARAT									
Kandla	8190	15175	16755	17271	18148	20503	20953	22651	25873
Other Ports	1492	2864	3495	5993	6245	7334	9532	10319	10152
Total	9682	18039	20250	23264	24393	27837	30485	32970	36025
Overseas	8123	10737	12569	16080	15941	21197	24495	26450	30092
Coastal	1559	7302	7681	7184	8452	6640	5990	6520	5933
MAHARASHTRA									
Mumbai	13209	11947	13141	13719	11506	15232	17438	16162	17320
Jawaharlal Nehru	-	-	507	1645	2061	2105	2088	3290	4314
Other Ports	130	306	254	328	305	298	622	2301	3376
Total	13339	12253	13902	15692	13872	17635	20148	21753	25010
Overseas	10725	11168	13353	14770	13143	17221	19321	19245	21636
Coastal	2614	1085	549	922	729	414	827	2508	3374
GOA									
Mormugao	843	1621	1483	1721	2396	2394	2535	2732	2819
Other Ports	7	-	...	-	6	88	88	88	88
Total	850	1621	1483	1721	2402	2482	2623	2820	2907
Overseas	621	1163	847	1058	1660	1720	1910	2024	2336
Coastal	229	458	636	663	742	762	713	796	571
DAMAN & DIU									
Other Ports	3	4	1	neg.	neg.	neg.	neg.	neg.	-
Total	3	4	1	neg.	neg.	neg.	neg.	neg.	-
Overseas	-	-	-	-	-	-	-	-	-
Coastal	3	4	1	neg.	neg.	neg.	neg.	neg.	-

1.1.3 Cargo Unloaded (Overseas & Coastal) At Ports - By State

('000 Tonnes)

Port/State/Type of Traffic	1980-81	1985-86	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
KARNATAKA									
New Mangalore	639	996	1294	1363	1298	1530	1245	1640	1883
Other Ports	251	436	344	271	223	284	164	287	333
Total	890	1432	1638	1634	1521	1814	1409	1927	2216
Overseas	509	1015	1062	958	776	1127	718	1144	1319
Coastal	381	417	576	676	745	687	691	783	897
KERALA									
Cochin	4112	4557	6053	6251	6433	6864	6351	7193	9125
Other Ports	20	12	40	9	9	6	1	5	5
Total	4132	4569	6093	6260	6442	6870	6352	7198	9130
Overseas	3533	1803	2519	2138	2566	2601	2323	2952	3527
Coastal	599	2766	3574	4122	3876	4269	4029	4246	5603
TAMIL NADU									
Tuticorin	2117	4016	4900	4541	5099	5408	5606	6876	7955
Chennai	6412	11107	14097	15000	15064	16286	16879	19247	20433
Other Port	101	385	326	217	182	248	62	93	114
Total	8630	15508	19323	19758	20345	21942	22547	26216	28502
Overseas	7365	9361	8788	8978	8413	10187	9807	11591	14595
Coastal	1265	6147	10535	10780	11932	11755	12740	14625	13907

1.1.3 Cargo Unloaded (Overseas & Coastal) At Ports - By State

('000 Tonnes)

Port/State/Type of Traffic	1980-81	1985-86	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
PONDICHERRY									
Other Ports	49	118	229	70	53	47	22	26	26
Total	49	118	229	70	53	47	22	26	26
Overseas	49	118	229	70	53	47	22	26	26
Coastal	-	-	-	-	-	-	-	-	-
ANDHRA PRADESH									
Visakhapatnam	3999	8941	10410	10322	10431	12774	12930	15837	17611
Other Ports	331	666	642	504	402	632	545	461	671
Total	4330	9607	11052	10826	10833	13406	13475	16298	18282
Overseas	3797	5528	7824	8429	8999	12622	12018	13676	14731
Coastal	533	4079	3228	2397	1834	784	1457	2622	3551
ORISSA									
Paradip	307	957	2460	2839	2880	2428	2581	3491	4200
Other Ports	-	-	26	50	118	154	131	161	161
Total	307	957	2486	2889	2998	2582	2712	3652	4361
Overseas	306	957	2486	2889	2998	2582	2708	3499	4296
Coastal	1	-	-	-	-	-	4	153	65

1.1.3 Cargo Unloaded (Overseas & Coastal) At Ports - By State

('000 Tonnes)

Port/State/Type of Traffic	1980-81	1985-86	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
WEST BENGAL									
Calcutta-Haldia	6988	8657	9756	10416	11253	12915	12217	14082	15115
Other Ports	-	-	-	-	-	-	-	-	-
Total	6988	8657	9756	10416	11253	12915	12217	14082	15115
Overseas	5983	7841	8701	9366	10125	11017	10261	11600	12283
Coastal	1005	816	1055	1050	1128	1898	1956	2482	2832
SEA-ISLAND									
Other Ports	114	116	31	235	238	238	238	232	239
Total	114	116	31	235	238	238	238	232	239
Overseas	-	-	-	-	-	-	-	-	-
Coastal	114	116	31	235	238	238	238	232	239
ALL INDIA									
MAJOR PORTS	46816	67974	80856	85088	86569	98439	100823	113201	126648
Other Ports	2498	4907	5388	7677	7781	9329	11405	13973	15165
Total	49314	72881	86244	92765	94350	107768	112228	127174	141813
Overseas	41011	49691	58378	64736	64674	80321	83583	92207	104841
Coastal	8303	23190	27866	28029	29676	27447	28645	34967	36972

I.1.4 Cargo Loaded (Overseas And Coastal) At Ports - By State

('000 Tonnes)

Port/State/Type of Traffic	1980-81	1985-86	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
GUJARAT									
Kandla	571	1311	2170	2414	2854	2407	3547	3851	4466
Other Ports	1288	1701	3132	3320	4051	4550	6213	6624	8329
Total	1859	3012	5302	5734	6905	6957	9760	10475	12795
Overseas	1429	1670	4166	4535	5539	5778	8588	8200	10561
Coastal	430	1342	1136	1199	1366	1179	1172	2275	2234
MAHARASHTRA									
Mumbai	3769	12363	14605	15180	14755	13714	13068	14511	16596
Jawaharlal Nehru	-	-	190	377	733	902	1299	1718	2559
Other Ports	1243	1294	1085	600	227	5	24	145	95
Total	5012	13657	15880	16157	15715	14621	14391	16374	19250
Overseas	3078	4270	4870	4214	4185	4165	6111	6320	8308
Coastal	1934	9387	11010	11943	11530	10456	8280	10054	10942
GOA									
Mormugao	12921	14494	12685	13190	12703	13920	16182	16149	15276
Other Ports	1	2	-	1	6	124	124	124	124
Total	12922	14496	12685	13191	12709	14044	16306	16273	15400
Overseas	12921	14496	12664	13155	12515	13531	15657	15421	15146
Coastal	1	-	21	36	194	513	649	852	254
Daman & Diu									
Other Ports	4	neg.	-	-	-	-	-	-	-
Total	4	neg.	-	-	-	-	-	-	-
Overseas	-	-	-	-	-	-	-	-	-
Coastal	4	neg.	-	-	-	-	-	-	-

1.1.4 Cargo Loaded (Overseas And Coastal) At Ports - By State
('000 Tonnes)

Port/State/Type of Traffic	1980-81	1985-86	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
KARNATAKA									
New Mangalore	324	2690	6367	6659	6976	5558	7385	6365	7001
Other Ports	817	423	309	340	160	186	146	168	190
Total	1141	3113	6676	6999	7136	5744	7531	6533	7191
Overseas	966	2963	6606	6744	6559	5658	7237	6074	6628
Coastal	175	150	70	255	577	86	294	459	563
KERALA									
Cochin	1121	720	1071	1024	1048	1114	1269	1438	2378
Other Ports	171	99	117	121	121	119	98	192	192(P)
Total	1292	819	1188	1145	1169	1233	1367	1630	2570
Overseas	303	566	566	466	540	683	784	1071	1341
Coastal	989	253	622	679	629	550	583	559	1229
TAMIL NADU									
Tuticorin	443	205	424	534	769	807	1094	1165	1331
Chennai	3963	7041	9843	9518	9982	9045	9662	10217	10288
Other Ports	92	95	50	10	3	12	18	31	2
Total	4498	7341	10317	10062	10754	9864	10774	11413	11621
Overseas	3614	6140	8948	8736	9436	8458	9621	9619	10573
Coastal	884	1201	1369	1326	1318	1406	1153	1794	1048

1.1.4 Cargo Loaded (Overseas And Coastal) At Ports - By State

Port/State/Type of Traffic		('000 Tonnes)								
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
PONDICHERY										
Other Ports	-	-	-	-	-	-	-	-	-	
Total	-	-	-	-	-	-	-	-	-	
Overseas	-	-	-	-	-	-	-	-	-	
Coastal	-	-	-	-	-	-	-	-	-	
ANDHRA PRADESH										
Visakhapatnam	6124	6970	10707	9099	11091	9991	12665	14192	15206	
Other Ports	518	408	732	620	778	928	1262	926	1632	
Total	6642	7378	11439	9719	11869	10919	13927	15118	16838	
Overseas	6503	6597	8477	6515	7015	6535	8309	7862	8787	
Coastal	139	781	2962	3204	4854	4384	5618	7256	8051	
ORISSA										
Paradip	1934	2374	3724	4045	4417	5178	5746	6630	7059	
Other Ports	-	-	42	11	32	53	81	39	39	
Total	1934	2374	3766	4056	4449	5231	5827	6669	7098	
Overseas	1934	2092	2474	2112	2080	1845	2145	2479	2239	
Coastal	-	282	1292	1944	2369	3386	3682	4190	4859	

1.1.4 Cargo Loaded (Overseas And Coastal) At Ports - By State

('000 Tonnes)

Port/State/Type of Traffic	1980-81	1985-86	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
WEST BENGAL									
Calcutta-Haldia	2284	3471	4933	4537	4747	5422	6279	6453	6400
Other Ports	-	-	-	-	-	-	-	-	-
Total	2284	3471	4933	4537	4747	5422	6279	6453	6400
Overseas	1137	823	997	1006	1123	1366	1676	1555	1822
Coastal	1147	2648	3936	3531	3624	4056	4603	4898	4578
SEA-ISLANDS									
Other Ports	100	126	1	82	99	99	99	60	56
Total	100	126	1	82	99	99	99	60	56
Overseas	3	-	-	-	-	-	-	-	-
Coastal	97	126	1	82	99	99	99	60	56
ALL INDIA									
Major Ports	33454	51639	66719	66577	70075	68058	78196	82689	88560
Other Ports	4234	4148	5468	5105	5477	6076	8065	8309	10659
Total	37688	55787	72187	71682	75552	74134	86261	90998	99219
Overseas	31888	39617	49768	47483	48992	48019	60128	58601	65405
Coastal	5800	16170	22419	24199	26560	26115	26133	32397	33814

SECTION-II

MAJOR PORTS

- 2.1 PORT FACILITIES
- 2.2 CARGO TRAFFIC
- 2.3 PASSENGER TRAFFIC
- 2.4 SHIP TRAFFIC AND PORT CAPACITIES
- 2.5 CONTAINER TRAFFIC AND HANDLING
FACILITIES
- 2.6 PORT PERFORMANCE
- 2.7 EMPLOYMENT
- 2.8 FINANCIAL PERFORMANCE

2.1.1 Topography Of Major Ports

Port	Location		Entrance Channel			Turning Circle		Type of Dock/Port
	Latitude	Longitude	Distance of anchor from Harbour entrance (Km)	Mini-sum Depth (Mtrs)	Mini-sum Width (Mtrs)	No.	Diameter (in mtrs.)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Kandla	22 50'42"N	70 07'05"E	26.7	4.6	185	No turning circle available.		Tidal Port with straight line cargo berth.
Vadinar	22 30'34"N	69 42'04"E	-	N/A	N/A	N/A		Off-shore Oil Terminal. (Single Buoy Mooring)
Mumbai	18 54'N	72 49'E	9.6	10.9	366	1	366	Natural Harbour and impounded wet docks.
J.L. Nehru	18 56.5'N	72 57.5'E	2.0	13.5	220	1	600	Hi-TECH Port with Off-shore berths for servicing Modern containers & Dry Bulk Carriers (Discharge of Food/Raw Fertiliser & Sulphur).
Mormugao	15 25'N	73 47'E	5.0	13.7	250	1	480	Open type Harbour protected by break-water
New Mangalore	12 55'N	74 48'E	6.0	13.5	245	1	590	Artificial lagoon port with open berth.
Cochin	9 58'N	76 14'E	10.5	11.8	185	2	730	Protected wet port.

2.1.1 Topography Of Major Ports

Port	Location		Entrance Channel				Turning Circle		Type of Dock/Port
	Latitude	Longitude	Distance of anchor from Har- bour ent- rance (Km)	Mini- max Depth (Mtrs)	Mini- max Width (Mtrs)	No. : (in mtrs.)	Diameter : (in mtrs.)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	
Tuticorin	8 45' N	78 13' E	5.6	9.2	153	1	488	Artificial Harbour with open berth	
Chennai	13 6' N	80 18' E	7.00	IH 18.6 OH 19.2	244	1	548	Artificial Harbour with wet docks.	
Visakhapatnam	17 41' N	83 18' E							
-Inner Harbour			4.4	10.7	80	1	366	Natural Harbour.	
-Outer Harbour			2.6	19.0	200	1	610		
Paradip	20 15' N	86 40' E	5.8	12.8	160	1	520	Artificial Lagoon Type port/open docks.	
Calcutta	22 32' 53" N	88 18' 05" E	165	3.7	200	2	549	Impounded-wet docks and river side jetties.	
Haldia	22 2' N	80 6' E	115	6.7	467	1	549		

IH = Inner Harbour.
OH = Outer Harbour.

2.1.2 Details Of Berths At Major Ports

Port	Type of Berth (No.)	Draft : (In mtr.)	Length : (In mtr.)	Max. size of ships : that can be accommodated (DWT)	Percentage occupancy : during 1995-96
(1)	(2)	(3)	(4)	(5)	(6)
Kandla	General Cargo Jetties (7)	9.14	225.55	54000	96
	Oil Jetty - I (1)	10.36	225.55	40000	96
	Oil Jetty - II (1)	9.14	192.02	28000	95
	Oil Jetty - III (1)	9.40	225.55	40000	98
	S.B.M. (Vadinar) (1)	22.00	-	280000	48
Mumbai	Indira Dock (30*)	8.5-10.7	244	Length overall 600 feet.	83
	Victoria Dock (12)	7.9	152	Length overall 460 feet.	76
	Princess Dock (8)	7.3	212	Length overall 500 feet.	86
	Jawahar Dweep (4)	11.6-14.3	244-493	80000 DWT	76
	Pir Pau Oil Pier (1)	9.7	174	16000 DWT	92
	New Pir Pau Pier (1)	12.0	197	35000 DWT	-
J.L. Nehru	Container (3)	12.0 (each)	680	3rd Generation container Vessels	83
	Dry Bulk (2)	12.0 (each)	500	70000 DWT	76
	Service (1)	12.0	212	50000 DWT	73

*: Included 7 Container berths.

2.1.2 Details of Berths At Major Ports (Contd.)

Port	Type of Berth (No.)	Draft : (In mtr.):	Length : (In mtr.):	Max. size of ship : that can be accommodated (DWT)	Percentage occupancy : during 1995-96
(1)	(2)	(3)	(4)	(5)	(6)
Mormugao	General Cargo (B.No.5)	8.5	175	25000	43
	General Cargo (B.No.6)	6.0	213	30000	36
	Barge Berth (B.No.7)	3.5	100	-	28
	(adjacent to berth No.6)				
	Oil Berth (B.No.8)	12.5	116 (298**)	100000	68
	MOHP (B.No.9)	13.0	222 (375.5**)	275000	70
	Multi purpose G.C Berth (B.No.10)	11.0	250	34000	67
	Multi Purpose G.C Berth (B.No.11)	11.0	270	34000	54
	General (7)	7.0-10.1	125-198	25000 (each)	20, 71, 67, 45
	KLOCL (1)	12.5	285	60000	74
New Mangalore	Oil Jetty (1)	10.1	330	30000	54
	MRPL Crude Jetty (1)	14.0	320	65000	-
				to 85000	

** : Length between extreme mooring dolphins.

2.1.2 Details Of Berths At Major Ports (Contd.)

Port	Type of Berth (No.)	Draft : (In mtr.)	Length : (In mtr.)	Max. size of ship : that can be accommodated (DWT)	Percentage occupancy : during 1995-96
(1)	(2)	(3)	(4)	(5)	(6)
Cochin	Break bulk (9)	8.0-9.1 (each)	152-183	...	21,45,53,43
	Fertiliser (1)	10.7	152-207	...	24,44,42,38
	Oil Terminal (1)	11.7	198-440	120000	55
	Tanker berth (2)	9.1	-	...	98
	(North/South)	10.7	414	...	47
Tuticorin	Container (1)	10.7	414	...	67
	Terminal (Q8/Q9)				
	General Cargo Berth (6)	8.2	168-192	50000	94
Chennai	Oil Jetty (1)	8.2	228	(Draft is the Limiting factor)	39
	Coal Jetty (2)	8.2	235		88
	Break Bulk/Neo Bulk (10)	8.53-10.40	170.60-246	...	86,68,80,74,82,88
	Container Terminal (3)	13.4 (each)	200 (each)	...	92,85,94
	Liquid Bulk (2)	16.00-17.4	304&338.94	...	86,71,71
	Dry Bulk (4)	11.00-17.4	218-222	...	77,76
	Others (6)	9.14-10.4	179-246	...	86,89,90,68
					90,100,100,91,90,92

2.1.2 Details Of Berths At Major Ports (Contd.)

Port	Type of Berth (No.)	Draft (In mtr.)	Length (In mtr.)	Max. size of ship that can be accommodated (DWT)	Percentage occupancy during 1995-96
(1)	(2)	(3)	(4)	(5)	(6)
Visakhapatnam					
Inner Harbour :					
Multi-Purpose Berths* 10.1-10.2					
			168-195	36000	96
(12)					
Dry Bulk Berth (1)		10.1	194	35000	78
(Mech) F B					
Oil Berth (2)					
Liquid Bulk Berth		10.1**	183	36000	59
Liquid Bulk Berth		9.8	183	36000	94
Outer Harbour :					
Ore Berth (2)					
Dry Bulk Berth (Iron-ore)	16.0		270	120000	81
Dry Bulk Berth (Iron-ore)	16.0		270	120000	67
General-cum-Bulk					
Cargo Berth (1)	13.2		232	60000	97
Off-shore Tanker					
Terminal Berth (1)	15.0		280	120000	66

* For handling Break-Bulk/Container.

** On a rising tide of 0.91 meters.

2.1.2 Details Of Berths At Major Ports (Contd.)

Port	Type of Berth (No.)	Draft : (In mtr.)	Length : (In mtr.)	Max. size of ship : that can be accommodated (DWT)	Percentage occupancy : during 1995-96
(1)	(2)	(3)	(4)	(5)	(6)
Paradip	General Cargo Berth (3)				
	Dry & Break-Bulk-I	11.0	291	50000-55000	86
	Dry & Break-Bulk-II	11.0	196	-do-	91
	Dry & Break-Bulk-III	11.0	200	-do-	93
	Iron Ore Berth (1)	11.9	155	50000-80000	91
	(Mechanised Dry-bulk)		(320m. bet ween Dolphin)	(depend on weather conditions)	
	Fertiliser Berth (1)	11.0	252	40000-60000	70
	(Mechanised Liquid bulk)				
Calcutta	South Quay*	11.0	215	50000-55000	88
	West Quay	13.0	397	...	78
	Multi Purpose Berth (20)				
	1. Berth 1/KPD	9.2	133	515' length 70' Breadth	57
	2. Berth 5/7KPD	9.2	229	- do -	52
	3. Berth 9.KPD	9.2	108	- do -	46
	4. Berth 11KPD	9.2	151	- do -	60
	5. Berth 4KPD	9.2	136	- do -	44

* This is only a supporting structure to the Gen. Cargo berth and used as a berth due to heavy traffic demand.

2.1.2 Details Of Berths At Major Ports (Contd.)

Port	: Type of Berth (No.)	: Draft : (In mtr.)	: Length : (In mtr.)	: Max. size of ship : that can be accommodated (DWT)	: Percentage occupancy during 1995-96
(1)	(2)	(3)	(4)	(5)	(6)
Calcutta (Contd.)	6. Berth 8/KPD	9.2	128	515' length 70' Breadth	55
	7. Berth 10KPD	9.2	161	- do -	66
	8. Berth 12KPD	9.2	143	- do -	84
	9. Berth 24KPD	9.2	152	- do -	42
	10. Berth 25KPD	9.2	159	- do -	45
	11. Berth 26KPD	9.2	185	- do -	37
	12. Berth 27KPD	9.2	195	- do -	34
	13. Berth 28KPD	9.2	195	- do -	48
	14. Berth 29KPD	8.2	183	- do -	33
	15. Berth 1NSD	9.3	200	565' length 80' Breadth	46
	16. Berth 2NSD	9.3	157	- do -	46
	17. Berth 3NSD	9.3	183	- do -	59
	18. Berth 14NSD	9.3	174	- do -	51
	19. Berth 13NSD	8.1	174	- do -	58
	20. Berth 23KPD	9.2	147	- do -	63

2.1.2 Details Of Berths At Major Ports (Contd.)

Port	Type of Berth (No.)	Draft (In mtr.)	Length (In mtr.)	Max. size of ship that can be accommodated (DWT)	Percentage occupancy during 1993-94
(1)	(2)	(3)	(4)	(5)	(6)

Calcutta (Contd.)

Containers(5)					
1. Berth 3KPD	9.2	126	565'	length 80' Breadth	
2. Berth 6KPD	9.2	118		- do -	
3. Berth 5NSD	8.4	183		- do -	41
4. Berth 7NSD	8.1	192		- do -	66
5. Berth 4NSD	9.3	181		- do -	

Oil Berth

1. Berth 12NSD	8.1	152		- do -	39
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Liquid Bulk

Berth 1 Buji Buji	Upto 9 Mtrs.	189		139 to 189 mtr	66
Berth 2 -do-	-do-	102		85 to 116 mtr	49
Berth 3 -do-	-do-	163		106 to 141 mtr	52
Berth 5 -do-	-do-	189		132 to 189 mtr	60
Berth 7 -do-	-do-	189		106 to 141 mtr	45
Berth 8 -do-	-do-	189		106 to 189 mtr	33

Haldia

1. Liquid Bulk	9.9	91.44	LOA 238 mts.		77
2. Liquid Bulk	8.8	145		279	78
3. Dry/Liquid Bulk	9.9	337		232	56
4. Dry Bulk	11.0	284	LOA 239 mts.		80
5. Dry Bulk	9.5	242		198	71
6. Dry/break/Liquid Bulk	10.0	234		213	78
7. Dry/Break/Liquid Bulk	10.0	234		213	94
8. Dry Bulk/Break Bulk	10.0	Three or more vessels of total			83
9. Dry/Break/Container	10.0	length of 656 can be accommo-			70
10. Dry/Break/Container	10.0	-dated simultaneously at			87
		berth No. 8, 9 & 10			

2.1.3. Storage Facilities At Major Ports

Port	Dry Storage Accomodation			Liquid Storage Tanks				
	Type	No.	Area (Sq. mtrs)	Capacity	No.	Location	Capacity	Type of Cargo
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Kandla	i) Transit Sheds	10	43818	60000				
	ii) Ware-Houses(Double storage)	4	22311	60000				
	iii) Other covered areas (Godowns)	12	41319	80500				
	iv) Open area	-	326684	300000				
	v) Container Freight Station	2	6502	10000				
Mumbai	i) Transit Sheds	27	173011		4	P&V Docks	Varies from 5.41 lakh litres to 128.31 lakh litres.	Molasses/Caster Oil
	ii) Ware-Houses	23	115612					
	iii) Other covered area (container freight station)	14 Sheds	35228 +4441 ground slots for containers		8	BPT Jawahar Deep	Varies from 810-10222 KL & fresh water 22000-	POL Products
	iv) Open Area (At various places)	301084			6	BPCL Jawahar Deep	32000 KL	-do-
	v) Container Storage Yard	+2118 ground slots for temporary stacking of containers	7 20039 +2125 ground slots for Containers.					

2.1.3. Storage Facilities At Major Ports (Contd.)

Port	Dry Storage Accomodation			Liquid Storage Tanks			
	Type	No.	Area (Sq. mtrs)	No.	Location	Capa- city	Type of Cargo
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Mormugao	i) Transit Sheds at B.No. 5 & 10	2	10296	8	Within Harbour	18025	Molasses, Caustic, Soda, MEG etc.
	ii) Ware-houses with in Dock	2	3806	Installed by private parties			
	iii) Ware-Houses at B.No.10&11	2	10004				
	iv) Other covered area						
	(a) Ware houses at Vasco	2	3286				
	(b) CWC's godowns near dock	2	4400				
	(c) CWC godowns at Headland	2	4012				
	(d) Food Corporation of India godowns at Headland	2	8268				
	v) Open Storage						
	(a) At Berth No.6		16276				
	(b) Adjacent to Berth No.6		6000				
	(c) At Berth No.10		16000				
	(d) At Berth No. 11		14800				
New Mangalore	(vi) Stock Yard at Mechanical Ore handling plant(B.No.9)		80,000				
	i) Transit/Overflow Sheds	5	23634	41	Inside and outside the security wall.	190706 KL	Naptha, Petro- lium products, Molasses, Palm- oil, Phosphoric Acid Ammonia etc.
	ii) Ware-Houses	9	19710				
	iii) Open area	3	27857				

2.1.3. Storage Facilities At Major Ports (Contd.)

Port	Dry Storage Accommodation		Liquid Storage Tanks				
	Type	No.	Area (Sq. mtrs)	No.	Location	Capacity	Type of Cargo
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
J.L.Nehru	1. Bulk Terminal						
	A) Covered Sheds						
	i) Food Grain Shed	1	21000	58	2 Kms away	254817 KL	Molasses,Acitic Acid,Phos.acid,
	ii) Fertilizer Shed	2	21000	each	from the port		Caustic soda,MEG POL,Edible Oil
	iii) Sulphur Shed	1	21000				
	iv) Bag storage Shed	1	12600				
	v) Wagon loading Shed	1	32850				
	B) Open Paved Area						
	i) Dry Bulk storage	1	159139				
	2. Container Terminal						
	i) Open paved area	1	471000				
	3. Container Freight Station						
	i) Covered		33830				
	ii) Open Paved area		67243				
	4. Buffer Yard						
	i) Open paved area	1	40000				
Cochin	i)Transit Sheds	7	28263	14	Near BTB	1340	Cashew Shell Liquid,
	ii)Ware-Houses	7	16246			Tonnes	
	iii)Over Flow Sheds	7	13679	1	S C B	10000	Liquid Ammonia,
	iv)Hazardous Sheds	3	267			Tonnes	
	v)Container freight station	1	10732	2	Q 10	13000	Phosphoric Acid.
	vi)Carbide Shed	1	96				

2.1.3. Storage Facilities At Major Ports (Contd.)

Port	Dry Storage Accomodation			Liquid Storage Tanks				
	Type	No.	Area (Sq. mtrs)	No.	Location	Capa- city	Type of Cargo	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
Tuticorin	i) Transit Sheds	2	10800	3	Inside Security wall	15000	M3 Phosphoric Acid.	
				1	Outside Security wall	10000	MT Liquid Ammonia,	
				10	-do-	2000	M3 Vinyl Chloride, Monomer,	
				1	-do-	5000	M3 - do -	
	ii) Ware-houses	3	15550	3	-do-	3x8500	MT Furnace oil,	
	iii) Other covered area	2	733 & 739	2	-do-	2x70	KL LSHF/HSB	
						1x13800	KL Naptha	
						1x13700	KL --do--	
	iv) Open Area		72000	3	-do-	1x14100	KL --do--	
						1x600	MT LDO	
Chennai	i) Transit Sheds	8	36000	34	Bharathi Dock/	227000	Oils, Acids	
	ii) Ware-Houses	12	65686		South Quay	Tonnes	Chemicals	
	iii) Container Freight station	2	12600				& Molasses	
	iv) Covered area for FCI	6	43450					
	v) Open space	-	32500					
	vi) Container Parking Yard	-	130000					
	Visakhapatnam	i) Transit Sheds	7	30959	13	West Ore berths	19098	Edible oils
		ii) Ware-Houses	3	27044		West jetty	M.Tonnes	& Molasses,
		iii) Other covered area (S.2 & S.3 sheds)	2	8113		berths area		Caustic Soda,
								P.Acid & Ammonia.
	iv) Open area	51	998795					

2.1.3. Storage Facilities At Major Ports (Contd.)

Port	Dry Storage Accomodation		Liquid Storage Tanks				
	Type	No.	Area (Sq. mtrs)	No.	Location	Capa- city	Type of Cargo
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Paradip	i) Transit Sheds ii) Ware-Houses iii) Other covered area iv) Open Area	5 4 - -	19780 8968 220300 ...	2	10 km. from port.	-	Ammonia & Phosphoric Acid.
Calcutta	i) Transit Shed ii) Ware-Houses iii) Other covered area iv) Open Area	25 - - -	156396 - - 103185	159	Near NS Dock Buj Buj	99000 M.Tonnes	POL (product) Veg. oil. Other Liquid Cargo.
Haldia	i) Transit Sheds ii) Ware House iii) Other covered Area iv) Open Area	1 - - -	22090 - - 213100	-	The above tonnage 10453 KL POL product, Crude has been created by the oil other liquid cargo. industries & other pvt. parties		

2.1.4 Performance Of Cargo Handling Equipments
For The Years 1994-95, 1995-96 and 1996-97

S.No.	Name Of The Port	Equipments	1994-95		1995-96		1996-97	
			% Avail- ability	% Utili- sation	% Avail- ability	% Utili- sation	% Avail- ability	% Utili- sation
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1.	Kandla	Wharf Crane	85	38	90	40	85	40
		Mobile Crane	100	-	77	-	83	-
		Forklift Truck	91	25	89	30	88	25
2.	Mumbai	Wharf Crane	88	25	87	24	90	22
		Mobile Crane	84	23	83	18	85	17
		Forklift Truck	90	22	88	20	85	20
3.	Mormugao	Wharf Crane	96	22	98	15	90	10
		Mobile Crane	97	15	97	6	88	4
		Forklift Truck	84	17	89	25	85	25
4.	N.Mangalore	Wharf Crane	82	7	80	2	81	2
		Mobile Crane	65	2	92	2	83	2
		Forklift Truck	70	7	53	5	46	5
5.	Cochin	Wharf Crane	82	10	82	13	70	12
		Mobile Crane	60	10	76	11	80	8
		Forklift Truck	72	17	73	14	64	20

2.1.4 Performance Of Cargo Handling Equipments
For The Years 1994-95, 1995-96 and 1996-97

S.No.	Name Of The Port	Equipments	1994-95			1995-96			1996-97		
			(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
						% Avail- ability	% Utili- sation	% Avail- ability	% Utili- sation	% Avail- ability	% Utili- sation
6.	Tuticorin	Wharf Crane				87	22	82	21	80	18
		Mobile Crane				82	10	94	4	90	4
		Forklift Truck				87	12	98	11	95	11
7.	Chennai	Wharf Crane				90	32	82	27	86	21
		Mobile Crane				87	29	86	34	85	37
		Forklift Truck				77	30	79	31	78	30
8.	Visakhapatnam	Wharf Crane				92	37	94	45	95	30
		Mobile Crane				85	21	85	21	88	20
		Forklift Truck				82	28	79	25	79	20
9.	Paradip	Wharf Crane				89	20	95	21	72	22
		Mobile Crane				70	12	61	7	50	6
		Forklift Truck				85	7	83	7	96	10
10.	Calcutta	Wharf Crane				67	18	69	15	62	12
		Mobile Crane				57	23	48	18	44	16
		Forklift Truck				67	30	71	24	56	22

Average Norms for :

1. Wharf Crane : Availability 85 % to 90 %
Utilisation 35 % and above
2. Mobile Crane : Availability 82 % to 85 %
Utilisation 30 % and above
3. Forklift Truck : Availability 75 % to 80 %
Utilisation 35 % and above

Source : Development Wing, Ministry Of Surface Transport

2.2.1 Growth Of Cargo Traffic Handled At Major Ports

(In Million Tonnes)

Year	Overseas		Coastal		Overseas & Coastal				
	: Unloaded: Loaded	: Total	: Unloaded: Loaded	: Total	: Unloaded: Loaded	: Total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1965-66	22.41	16.62	39.03	5.94	5.25	11.19	28.35	21.87	50.22
1970-71	21.50	26.58	48.08	4.06	3.44	7.50	25.56	30.02	55.58
1975-76	29.13	29.04	58.17	4.20	3.63	7.83	33.33	32.67	66.00
1980-81	39.09	28.50	67.59	7.73	4.95	12.68	46.82	33.45	80.27
1981-82	39.78	32.23	72.01	8.61	7.36	15.97	48.39	39.59	87.98
1982-83	41.08	29.16	70.24	10.57	12.89	23.46	51.65	42.05	93.70
1983-84	38.80	29.07	67.87	13.41	15.10	28.51	52.21	44.17	96.38
1984-85	39.62	33.97	73.59	15.71	16.52	32.23	55.33	50.49	105.82
1985-86	45.82	36.73	82.55	22.16	14.91	37.07	67.98	51.64	119.62
1986-87	43.58	39.79	83.37	23.36	17.64	41.00	66.94	57.43	124.37
1987-88	49.95	40.15	90.10	23.39	21.11	44.50	73.34	61.26	134.60
1988-89	55.40	43.79	99.19	25.91	21.96	47.87	81.31	65.75	147.06
1989-90	54.13	45.26	99.39	26.72	21.46	48.18	80.85	66.72	147.57
1990-91	59.02	43.63	102.65	26.07	22.95	49.02	85.09	66.58	151.67
1991-92	59.91	44.89	104.80	26.66	25.18	51.84	86.57	70.07	156.64
1992-93	74.09	43.28	117.37	24.35	24.78	49.13	98.44	68.06	166.50
1993-94	76.02	53.48	129.50	24.81	24.71	49.52	100.83	78.19	179.02
1994-95	83.60	52.18	135.78	29.60	30.51	60.11	113.20	82.69	195.89
1995-96	94.86	57.24	152.10	31.79	31.32	63.11	126.65	88.56	215.21

2.2.2 Cargo Traffic Handled At Various Major Ports

(In Million Tonnes)

	P O R T S												
Year	Kandla : :	Mumbai : :	J.L. : Nehru :	Mormu- gao	N.Manga- lore	Cochin : :	Tuti- corin	Chennai : :	Visakha : patnam	Paradip : :	Calcutta : Haldia :	Total	
1	2	3	4	5	6	7	8	9	10	11	12	13	
1955-56	0.15	9.68	-	-	-	1.64	-	2.34	1.29	-	8.01	23.11	
1960-61	1.57	14.35	-	-	-	2.01	-	3.04	2.76	-	9.39	33.12	
1965-66	2.51	17.91	-	7.87	-	2.87	-	4.87	4.46	-	9.73	50.22	
1970-71	1.61	14.37	-	11.01	-	4.81	-	6.92	8.73	2.16	5.97	55.58	
1975-76	3.20	16.65	-	12.77	0.34	4.26	1.36	7.88	8.55	3.33	7.66	66.00	
1980-81	8.76	16.98	-	13.77	0.96	5.23	2.56	10.38	10.12	2.24	9.27	80.27	
1981-82	9.69	19.40	-	14.98	1.64	5.50	2.67	11.41	10.99	2.23	9.47	87.98	
1982-83	12.36	23.21	-	12.81	2.27	5.71	3.23	12.07	10.22	1.57	10.25	93.70	
1983-84	14.16	23.89	-	12.84	2.84	5.00	3.55	12.84	9.88	1.37	10.01	96.38	
1984-85	15.74	26.94	-	14.30	3.38	4.07	3.77	14.13	11.08	2.14	10.27	105.82	
1985-86	16.49	24.31	-	16.12	3.69	5.28	4.22	18.15	15.91	3.33	12.13	119.63	
1986-87	16.19	25.08	-	14.92	5.43	6.88	4.13	19.78	15.04	4.85	12.07	124.37	
1987-88	18.08	29.57	-	13.33	6.11	6.80	4.26	22.82	15.37	5.19	13.07	134.60	
1988-89	17.81	29.34	-	15.39	7.09	7.82	5.13	23.86	20.37	6.03	14.22	147.06	
1989-90	18.92	27.75	-	14.17	7.66	7.12	5.32	23.94	21.12	6.18	14.69	147.57	
1990-91	19.69	28.90	0.70	14.91	8.02	7.28	5.08	24.52	19.42	6.88	14.95	151.67	
1991-92	21.00	26.26	2.02	15.10	8.27	7.48	5.87	25.05	21.52	7.30	16.00	156.64	
1992-93	22.91	28.96	2.79	16.31	7.09	7.98	6.22	25.33	22.76	7.60	18.34	166.50	
1993-94	24.50	30.51	3.01	18.72	8.63	7.62	6.70	26.54	25.59	8.33	18.50	179.02	
1994-95	26.50	30.67	3.38	18.88	8.01	8.63	8.04	29.46	30.03	10.12	20.54	195.89	
1995-96	30.34	33.92	5.01	18.09	8.88	11.50	9.29	30.72	32.82	11.26	21.52	215.21	
			6.87										

2.2.3 Cargo Traffic (Commodity-Wise) Handled At Major Ports

(In '000 Tonnes)

Year	POL (Crude & Products)	Ferti- liser	Fertili- ser Raw Material	Iron Ore	Coal	Food- grains	Others	Total	Of which	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10) (11)
1960-61	12265	683	208	1333	2131	5157	11348	33125	22579	10546
1970-71	18893	1227	1040	19203	675	3193	11348	55579	25557	30022
1980-81	33578	4278	1933	22836	2110	975	14560	80270	46816	33454
1981-82	34154	2951	2142	25114	3148	2376	18095	87980	48391	39589
1982-83	45340	4023	*	22218	4875	2347	14894	93697	51648	42049
1983-84	49743	1893	2342	21952	4164	3417	12866	96377	52205	44172
1984-85	49004	4226	2915	26041	4422	1313	17902	105823	55334	50489
1985-86	54890	4106	2700	28841	7538	1133	20405	119613	67974	51639
1986-87	53070	2387	4075	30609	8551	1402	24272	124366	66940	57426
1987-88	58917	1417	4165	28748	12788	1672	26895	134602	73342	61260
1988-89	63166	1648	4738	32738	15468	3388	25915	147061	81310	65751
1989-90	61968	2921	5193	33186	17616	1493	25908	148285	80856	67429
1990-91	64004	2879	6064	31904	19659	1528	25627	151665	85088	66577
1991-92	67602	3153	6767	32101	22403	1539	23079	156644	86569	70075
1992-93	73764	3595	6318	29827	24488	2795	25710	166497	97922	68575
1993-94	76920	4183	5291	34096	26806	1964	29759	179019	100246	78773
1994-95	80373	4334	6667	34354	30798	1343	38021	195890	113201	82689
1995-96	90923	5727	6628	34562	33790	3852	39726	215208	126648	88560

* Included in Fertilizers.

2.2.4 Cargo Traffic (Commodity-Wise) Handled At Kandla Port

Year	(In '000 Tonnes)								
	POL (Crude & Products)	Ferti- liser	Fertili- ser Raw Material	Food- grains	Others	Total	Of which	Unloaded	Loaded
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(9)
1960-61	708	52	41	413	359	1573	1231	342	
1970-71	878	145	58	326	205	1612	1474	138	
1980-81	7208	404	262	374	513	8761	8190	571	
1981-82	7629	207	393	601	860	9690	9057	633	
1982-83	10151	338	-	475	1394	12358	11653	705	
1983-84	11361	93	136	514	2054	14158	13272	886	
1984-85	11938	484	304	282	2737	15745	14570	1175	
1985-86	12340	423	208	302	3213	16486	15175	1311	
1986-87	11928	270	127	454	3415	16194	14854	1340	
1987-88	13395	207	191	812	3478	18083	16281	1802	
1988-89	13238	235	204	580	3550	17807	16439	1368	
1989-90	14354	302	730	436	3103	18925	16755	2170	
1990-91	15062	308	737	585	2993	19685	17271	2414	
1991-92	16503	365	936	940	2258	21002	18148	2854	
1992-93	17951	448	945	600	2966	22910	20503	2407	
1993-94	18157	824	1043	629	3847	24500	20953	3547	
1994-95	18898	705	1174	689	5036	26502	22651	3851	
1995-96	21126	676	1102	2038	5397	30339	25873	4466	

2.2.5 Cargo Traffic (Commodity-Wise) Handled At Mumbai Port

(In '000 Tonnes)

Year	POL (Crude & Products)	Ferti- liser	Fertili- ser Raw Material	Food- grains	Coal	Others	Total	Of which ----- Unloaded Loaded
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9) (10)
1960-61	7311	208	67	2113	20	4630	14349	10720 3629
1970-71	8445	220	288	948	-	4469	14370	10973 3397
1980-81	8998	733	543	87	-	6617	16978	13209 3769
1981-82	9449	548	630	226	-	8543	19396	12794 6602
1982-83	17101	936	..	362	-	4810	23209	11744 11465
1983-84	16650	216	720	376	-	5927	23889	10372 13517
1984-85	16929	339	702	117	-	8849	26936	11365 15571
1985-86	15470	331	721	608	-	7180	24310	11947 12363
1986-87	16313	236	985	497	-	7043	25074	11839 13235
1987-88	19384	174	992	572	-	8446	29568	13570 15998
1988-89	19063	162	1266	860	-	7991	29342	13567 15775
1989-90	18210	141	1082	432	-	7781	27746	13141 14605
1990-91	19670	46	621	625	-	7937	28899	13719 15180
1991-92	19512	37	457	340	-	5915	26261	11506 14755
1992-93	20303	39	928	544	-	7232	28946	15232 13714
1993-94	20820	57	845	763	-	8021	30506	17438 13068
1994-95	18833	70	892	616	-	10262	30673	16162 14511
1995-96	21138	105	735	1209	-	10729	33916	17320 16596

2.2.5 (a) Cargo Traffic (Commodity-Wise) Handled At J.L.Nehru Port

Year	(In '000 Tonnes)									
	POL (Crude & Products)	Ferti- liser	Fertili- ser Raw Material	Food- grains	Iron Ore	Others	Total	Of which	Unloaded	Loaded
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1989-90	-	102	132	-	...	406	697	507	190	
1990-91	-	516	850	-	...	656	2022	1654	368	
1991-92	-	623	820	-	...	1351	2794	2061	733	
1992-93	-	588	114	577	...	1728	3007	2105	902	
1993-94	-	855	23	275	...	2234	3387	2088	1299	
1994-95	-	1187	125	-	...	3696	5008	3290	1718	
1995-96	139	1716	179	68	648	4123	6873	4314	2559	

2.2.6 Cargo Traffic (Commodity-Wise) Handled At Mormugao Port

('000 Tonnes)

Year	POL (Crude & Products)	Ferti- liser	Fertili- ser Raw Material	Iron Ore	Food- grains	Coal	Others	Total	Of which	
									Unloaded	Loaded
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1960-61	39	4	-	6035	54	10	259	6401	184	6217
1970-71	234	97	-	9555	19	-	1100	11005	353	10652
1980-81	589	178	19	12598	-	-	380	13764	843	12921
1981-82	657	138	64	13352	115	-	650	14976	1145	13831
1982-83	736	119	-	11407	43	-	509	12814	982	11832
1983-84	1020	142	61	11528	39	-	51	12841	938	11903
1984-85	904	280	79	12642	33	-	351	14299	1150	13149
1985-86	945	308	-	14188	-	-	674	16115	1621	14494
1986-87	784	229	226	13472	-	-	208	14919	1293	13626
1987-88	1132	54	178	11697	-	-	271	13332	1381	11951
1988-89	1321	127	221	13373	70	-	277	15389	1783	13606
1989-90	1043	245	146	12413	12	15	294	14168	1483	12685
1990-91	1369	166	148	12986	-	34	208	14911	1721	13190
1991-92	1865	127	251	12517	-	31	308	15099	2396	12703
1992-93	1784	244	204	13601	4	107	370	16314	2394	13920
1993-94	2098	141	135	15748	11	109	475	18717	2535	16182
1994-95	1938	70	191	15693	-	413	576	18881	2732	16149
1995-96	1911	56	174	14923	-	565	466	18095	2819	15276

Note:- Mormugao was declared as Major Port during 1962-63.

2.2.7 Cargo Traffic (Commodity-Wise) Handled At New Mangalore Port

Year	('000 Tonnes)									
	POL (Crude & Products)	Ferti- liser	Fertili- ser Raw Material	Food- grains	Coal	Iron Ore	Others	Total	Of which	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	Unloaded	Loaded
1980-81	310	207	-	4	...	3	439	963	639	324
1981-82	364	180	-	152	...	517	399	1642	821	821
1982-83	351	153	-	22	...	1122	624	2272	851	1421
1983-84	348	211	-	141	...	1231	906	2837	1242	1595
1984-85	437	247	-	83	...	1727	888	3382	995	2387
1985-86	412	219	-	-	...	2260	795	3686	996	2690
1986-87	533	165	-	-	...	3873	860	5431	1197	4234
1987-88	461	93	-	-	...	4357	1197	6108	1305	4803
1988-89	571	46	-	62	...	5011	1394	7084	1567	5517
1989-90	577	115	77	-	...	5877	1015	7661	1294	6367
1990-91	612	83	99	-	...	6125	1103	8022	1363	6659
1991-92	622	141	175	-	...	6493	843	8274	1298	6976
1992-93	630	241	115	258	...	5082	762	7088	1530	5558
1993-94	646	106	130	19	...	7060	669	8630	1245	7385
1994-95	742	87	162	-	...	6080	934	8005	1640	6365
1995-96	957	205	115	-	41	6639	927	8884	1883	7001

2.2.8 Cargo Traffic (Commodity-Wise) Handled at Cochin Port

('000 Tonnes)

Year	POL (Crude & Products)	Ferti- liser	Fertili- ser Raw Material	Food- grains	Coal	Others	Total	Of which	
								Unloaded	Loaded
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1960-61	670	156	...	76	345	763	2010	1622	388
1970-71	3568	258	...	104	-	882	4812	3447	1365
1980-81	3964	662	...	15	-	592	5233	4112	1121
1981-82	4177	531	...	105	-	688	5501	4203	1298
1982-83	4299	544	...	91	-	776	5710	4471	1239
1983-84	3675	503	...	106	-	720	5004	4102	902
1984-85	2611	784	...	49	-	631	4075	3677	398
1985-86	3863	769	...	5	-	640	5277	4557	720
1986-87	5432	139	734	15	-	563	6883	5600	1283
1987-88	5366	110	757	23	-	546	6802	5585	1217
1988-89	6268	139	549	175	-	693	7824	6541	1283
1989-90	5589	209	680	45	-	601	7124	6053	1071
1990-91	5804	181	684	40	-	566	7275	6251	1024
1991-92	5881	148	821	19	-	612	7481	6433	1048
1992-93	6222	136	800	90	-	730	7978	6864	1114
1993-94	6101	39	704	-	-	776	7620	6351	1269
1994-95	6635	95	816	-	-	1085	8631	7193	1438
1995-96	9416	194	803	9	-	1081	11503	9125	2378

2.2.9 Cargo Traffic (Commodity-Wise) Handled At Tuticorin Port

Year	('000 Tonnes)									
	POL (Crude & Products)		Fertiliser		Fertiliser's Raw Material		Food grains		Total	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
									Unloaded	Loaded
1980-81	444	438	147	80	737	714	2560	2117	443	
1981-82	471	235	191	198	1045	527	2667	2390	277	
1982-83	520	137	243	-	1594	734	3228	2843	385	
1983-84	425	154	365	50	1659	895	3548	2969	579	
1984-85	509	509	511	114	1759	365	3767	3603	164	
1985-86	336	451	473	-	2409	552	4221	4016	205	
1986-87	327	132	478	-	2802	391	4130	3968	162	
1987-88	364	106	320	70	2904	497	4261	3973	288	
1988-89	468	145	532	408	2981	591	5125	4852	273	
1989-90	476	434	231	159	2926	1098	5324	4900	424	
1990-91	470	288	327	110	2635	1245	5075	4541	534	
1991-92	496	302	442	75	3116	1437	5868	5099	769	
1992-93	510	378	431	189	3162	1545	6215	5408	807	
1993-94	463	205	209	29	3937	1857	6700	5606	1094	
1994-95	417	221	463	-	4495	2445	8041	6876	1165	
1995-96	434	412	376	16	5620	2428	9286	7955	1331	

2.2.10 Cargo Traffic (Commodity- Wise) Handled At Chennai Port

Year	POL (Crude & Products)	Ferti- liser	Fertili- ser's Raw Material	Food- grains	Iron Ore	Coal	Others	Total	Of which	
									Unloaded	Loaded
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1960-61	601	210	25	444	484	363	912	3039	2128	911
1970-71	2697	300	165	721	2149	15	878	6925	3737	3188
1980-81	4525	612	422	220	2748	62	1786	10375	6412	3963
1981-82	4789	581	176	341	3371	76	2075	11409	6796	4613
1982-83	5479	669	..	535	3169	16	2206	12074	7446	4628
1983-84	6584	239	421	667	3216	168	1541	12836	7832	5004
1984-85	7114	590	563	312	4283	106	1164	14132	8050	6082
1985-86	9191	700	277	136	4768	204	2872	18148	11107	7041
1986-87	6724	620	259	98	5304	781	5989	19775	10801	8974
1987-88	7337	373	317	45	5400	1866	7481	22819	12598	10221
1988-89	8769	410	326	471	5746	2616	5225	23863	13749	10114
1989-90	8455	422	311	137	6046	3643	4893	23907	14097	9810
1990-91	8162	501	343	65	5549	4353	5645	24518	15000	9518
1991-92	8649	544	288	77	5406	5051	5031	25046	15064	9982
1992-93	8632	582	271	242	4838	5588	5178	25331	16286	9045
1993-94	9143	858	288	89	4540	5857	5766	26541	16879	9662
1994-95	11942	834	403	10	5149	6448	4678	29464	19247	10217
1995-96	11419	963	374	32	4951	7530	6452	30721	20433	10288

('000 Tonnes)

2.2.11 Cargo Traffic (Commodity-Wise) Handled At Visakhapatnam Port

Year	POL (Crude & Products)	Ferti- liser	Fertili- ser's Raw Material	Food- grains	Iron Ore	Coal	Others	Total	('000 Tonnes)	
									Unloaded	Loaded
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1960-61	1566	5	1	311	118	18	744	2763	1386	1377
1970-71	1666	204	418	223	4935	-	1287	8733	2325	6408
1980-81	2386	397	424	127	5657	353	779	10123	3999	6124
1981-82	2113	98	497	466	6194	433	1194	10995	4008	6987
1982-83	2108	512	..	349	5526	805	916	10216	4150	6066
1983-84	3126	81	445	438	4967	365	460	9882	4295	5587
1984-85	3470	386	518	107	5776	701	124	11082	4752	6330
1985-86	6274	299	671	82	5727	1737	1121	15911	8941	6970
1986-87	5307	164	540	263	5881	976	1904	15035	7195	7840
1987-88	5566	108	642	34	5585	2516	920	15371	7561	7810
1988-89	6999	145	701	265	6930	3810	1522	20372	10340	10032
1989-90	6828	410	1115	113	6791	4221	1639	21117	10410	10707
1990-91	5598	459	1290	-	5496	4889	1689	19421	10322	9099
1991-92	6384	504	1325	27	6161	5648	1473	21522	10431	11091
1992-93	7592	484	1336	171	4960	6021	2201	22765	12774	9991
1993-94	7498	682	1092	46	5230	6624	4423	25595	12930	12665
1994-95	11237	790	1337	3	5551	7771	3340	30029	15837	14192
1995-96	12575	1104	1235	353	5710	8203	3637	32817	17611	15206

2.2.12 Cargo Traffic (Commodity-Wise) Handled At Paradip Port

('000 Tonnes)

Year	POL (Crude & Products)	Ferti- liser	Fertili- ser's Raw Material	Food- grains	Iron Ore	Coal	Others	Total		Of which	
										Unloaded	Loaded
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	
1970-71	...	-	-	-	2134	-	23	2157	1	2156	
1980-81	...	88	-	-	1817	73	263	2241	307	1934	
1981-82	...	84	-	-	1637	173	336	2230	414	1816	
1982-83	...	26	-	47	984	331	184	1572	524	1048	
1983-84	...	47	-	148	990	25	158	1368	319	1049	
1984-85	...	37	-	12	1607	148	333	2137	193	1944	
1985-86	...	135	50	-	1868	869	409	3331	957	2374	
1986-87	...	61	494	-	2079	1511	708	4853	2001	2852	
1987-88	...	9	470	-	1709	2305	694	5187	2252	2935	
1988-89	...	-	648	50	1678	2394	1262	6032	2777	3255	
1989-90	...	157	301	6	2059	2709	952	6184	2460	3724	
1990-91	...	100	508	11	1748	3614	903	6884	2839	4045	
1991-92	...	87	773	1	1524	3954	958	7297	2880	4417	
1992-93	...	142	647	3	1346	4542	926	7606	2428	5178	
1993-94	...	192	534	neg.	1518	4845	1238	8327	2581	5746	
1994-95	...	125	691	-	1881	5830	1594	10121	3491	6630	
1995-96	1066	134	956	20	1691	5909	1483	11259	4200	7059	

2.2.13 Cargo Traffic (Commodity-Wise) Handled At Calcutta/Haldia Port

Year	POL (Crude & Products)	Ferti- liser	Ferti- ser's Raw Material	Food- grains	Iron Ore	Coal	Others	Total	('000 Tonnes)	
									Unloaded	Loaded
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1960-61	1409	51	74	1800	731	1385	3941	9391	5492	3899
1970-71	1405	3	111	852	430	660	2504	5965	3247	2718
1980-81	5154	559	116	68	13	885	2477	9272	6988	2284
1981-82	4505	349	191	172	13	1421	2823	9474	6763	2711
1982-83	4595	346	-	423	10	2129	2741	10244	6984	3260
1983-84	4754	207	194	938	20	1947	1954	10014	6864	3150
1984-85	5092	560	238	204	6	1708	2460	10268	6979	3289
1985-86	6059	471	300	-	-	2319	2979	12128	8657	3471
1986-87	5722	371	232	75	-	2481	3191	12072	8192	3880
1987-88	5912	183	298	116	-	3132	3430	13071	8836	4235
1988-89	6469	239	291	447	-	3605	3172	14223	9695	4528
1989-90	6436	384	388	193	-	4178	3110	14689	9756	4933
1990-91	7257	231	457	92	-	4134	2782	14953	10416	4537
1991-92	7690	275	479	60	-	4603	2893	16000	11253	4747
1992-93	8940	313	527	117	-	5068	3372	18337	12915	5422
1993-94	8696	224	288	103	-	5434	3751	18496	12217	6279
1994-95	9731	150	413	25	-	5841	4375	20535	14082	6453
1995-96	10742	162	579	107	-	5922	4003	21515	15115	6400

2.2.14 Cargo Traffic (Overseas/Coastal) At Various Major Ports

('000 Tonnes)

Year	P O R T S												
	Kandla	Mumbai	J.L. Nehru	Moramu	N.Manga-lore	Cochin	Tuti-corin	Chennai	Visakha	Paradip	Calcutta	Total	
	1	2	3	4	5	6	7	8	9	10	11	12	13
OVERSEAS													
1980-81	7359	12632	-	13542	651	3807	1178	9608	9456	2240	7120	67593	
1985-86	9375	14170	-	15657	3225	2301	1508	13548	11051	3049	8664	82548	
1986-87	8897	13626	-	14222	4885	2636	1069	15193	10626	4194	8018	83365	
1987-88	10314	16349	-	12718	5669	3554	964	16930	10866	4171	8565	90100	
1988-89	11078	16227	-	14865	6546	3639	1742	15789	14883	5052	9370	99191	
1989-90	11704	16455	697	13511	7179	2965	1935	15426	14927	4892	9698	99389	
1990-91	13634	16363	2022	14212	7284	2518	1969	15518	13820	4940	10372	102652	
1991-92	14683	14321	2794	14175	7130	3020	2225	15439	14834	4928	11248	104797	
1992-93	18487	18379	3007	16251	6465	3194	2544	15841	17597	4220	12383	117368	
1993-94	21182	22045	3387	17567	7792	3047	2351	16997	18555	4641	11937	129501	
1994-95	21822	20605	4933	17445	6937	3861	3202	17884	20156	5778	13155	135778	
1995-96	25982	22712	6873	17482	7605	4706	4100	20952	21249	6335	14105	152101	
COASTAL													
1980-81	1402	4346	-	222	312	1426	1382	767	667	1	2152	12677	
1985-86	7111	10140	-	458	461	2976	2713	4600	4860	282	3464	27065	
1986-87	7297	11448	-	697	546	4247	3061	4582	4410	659	4054	41001	
1987-88	7769	13219	-	614	439	3248	3297	5889	4505	1016	4506	44502	
1988-89	6729	13115	-	524	538	4185	3383	8074	5489	980	4853	47870	
1989-90	7221	11291	-	657	482	4159	3389	8514	6190	1292	4991	48186	
1990-91	6051	12536	-	699	738	4757	3106	9000	5601	1944	4581	49013	
1991-92	6319	11940	-	924	1144	4461	3643	9607	6668	2369	4752	51847	
1992-93	4423	10567	-	1063	623	4784	3671	9490	5168	3386	5954	49129	
1993-94	3318	8461	-	1150	838	4573	4349	9544	7040	3686	6559	49518	
1994-95	4680	10068	75	1436	1068	4770	4839	11580	9873	4343	7380	60112	
1995-96	4357	11204	-	613	1279	6797	5186	9769	11568	4924	7410	63107	

2.2.14	Cargo Traffic (Overseas/Coastal)	At Various Major Ports

('000 Tonnes)

[illegible]

2.2.15 Cargo Traffic (Unloaded/Loaded) At Various Major Ports

('000 Tonnes)

Year	Kandla	Mumbai	J.L. Nehru	Morun- gao	N.Manga- lore	Cochin	Tuti- corin	Chennai	Visakha patnam	Paradip	Calcutta Haldia	Total
1	2	3	4	5	6	7	8	9	10	11	12	13
UNLOADED												
1980-81	8190	13209	-	843	639	4112	2117	6412	3999	307	6988	46816
1985-86	15175	11947	-	1621	996	4557	4016	11107	8941	957	8657	67974
1986-87	14854	11839	-	1293	1197	5600	3968	10801	7195	2001	8192	66940
1987-88	16281	13570	-	1381	1305	5585	3973	12598	7561	2252	8836	73342
1988-89	16439	13567	-	1783	1567	2541	4852	13749	10340	2777	9695	81310
1989-90	16755	13141	507	1483	1294	6053	4900	14097	10410	2460	9756	80856
1990-91	17271	13719	1645	1721	1363	6251	4541	15000	10322	2839	10416	85088
1991-92	18148	11506	2061	2396	1298	6433	5099	15064	10431	2880	11253	86569
1992-93	20503	15232	2105	2394	1530	6864	5408	16286	12774	2428	12915	98439
1993-94	20953	17438	2088	2535	1245	6351	5606	16879	12930	2581	12217	100823
1994-95	22651	16162	3290	2732	1640	7193	6876	19247	15837	3491	14082	113201
1995-96	25873	17320	4314	2819	1883	9125	7955	20433	17611	4200	15115	126648
LOADED												
1980-81	571	3769	-	12921	324	1121	443	3963	6124	1934	2284	33454
1985-86	1311	12363	-	14494	2690	720	205	7041	6970	2374	3471	51639
1986-87	1340	13235	-	13626	4234	1283	162	8974	7840	2852	3880	57426
1987-88	1802	15998	-	11951	4803	1217	288	10221	7810	2935	4235	61260
1988-89	1368	15775	-	13606	5517	1283	273	10114	10032	3255	4528	65751
1989-90	2170	14605	190	12685	6367	1071	424	9843	10707	3724	4933	66719
1990-91	2414	15180	377	13190	6659	1024	534	9518	9099	4045	4537	66577
1991-92	2854	14755	733	12703	6976	1048	769	9982	11091	4417	4747	70075
1992-93	2407	13714	902	13920	5558	1114	807	9045	9991	5178	5422	68058
1993-94	3547	13068	1299	16182	7385	1269	1094	9662	12665	5746	6279	78196
1994-95	3851	14511	1718	16149	6365	1438	1165	10217	14192	6630	6453	82689
1995-96	4466	16596	2559	15276	7001	2378	1331	10288	15206	7059	6400	88560

2.2.15 Cargo Traffic (Unloaded/Loaded) At Various Major Ports

('000 Tonnes)

	P	O	R	T	S								
Year	Kandla : : Nehru	Mumbai : : J.L.	Mormu- : : gao	N.Manga- : : lore	Cochin : : corin	Tuti- : : corin	Chennai : : patnam	Visakha : : /Haldia	Paradip : : /Haldia	Calcutta : : /Haldia	Total		
1	2	3	4	5	6	7	8	9	10	11	12	13	
TOTAL													
1980-81	8761	16978	-	13764	963	5233	2560	10375	10123	2241	9272	80270	
1985-86	16486	24310	-	16115	3686	5277	4221	18148	15911	3331	12128	119613	
1986-87	16194	25074	-	14919	5431	6883	4130	19775	15035	4853	12072	124366	
1987-88	18083	29568	-	13332	6108	6802	4261	22819	15371	5187	13071	134602	
1988-89	17807	29342	-	15389	7084	3824	5125	23863	20372	6032	14223	147061	
1989-90	18925	27746	697	14168	7661	7124	5324	23940	21117	6184	14689	147575	
1990-91	19685	28899	2022	14911	8022	7275	5075	24518	19421	6884	14953	151665	
1991-92	21002	26261	2794	15099	8274	7481	5868	25046	21522	7297	16000	156644	
1992-93	22910	28946	3007	16314	7088	7978	6215	25331	22765	7606	18337	166497	
1993-94	24500	30506	3387	18717	8630	7620	6700	26541	25595	8327	18496	179019	
1994-95	26502	30673	5008	18881	8005	8631	8041	29464	30029	10121	20535	195890	
1995-96	30339	33916	6873	18095	8884	11503	9286	30721	32817	11259	21515	215208	

2.2.16 Cargo Traffic Handled At Major Ports in India ('000 tonnes)

PORT/ YEAR	OVERSEAS : Unloaded: Loaded : Total	COASTAL : Unloaded: Loaded : Total	OVERSEAS & COASTAL : Unloaded: Loaded : Total						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
KANDLA									
1970-71	801	106	907	673	32	705	1474	138	1612
1975-76	2105	254	2359	819	25	844	2924	279	3203
1980-81	6871	488	7359	1319	83	1402	8190	571	8761
1985-86	8445	930	9375	6730	381	7111	15175	1311	16486
1988-89	9837	1241	11078	6602	127	6729	16439	1368	17807
1989-90	9834	1870	11704	6921	300	7221	16755	2170	18925
1990-91	11367	2267	13634	5904	147	6051	17271	2414	19685
1991-92	12047	2636	14683	6101	218	6319	18148	2854	21002
1992-93	16235	2252	18487	4268	155	4423	20503	2407	22910
1993-94	17736	3446	21182	3217	101	3318	20953	3547	24500
1994-95	18771	3051	21822	3880	800	4680	22651	3851	26502
1995-96	21626	4356	25982	4247	110	4357	25873	4466	30339
MUMBAI									
1970-71	9663	1891	11554	1310	1506	2816	10973	3397	14370
1975-76	11630	2591	14221	1024	1405	2429	12654	3996	16650
1980-81	10725	1907	12632	2484	1862	4346	13209	3769	16978
1985-86	11168	3002	14170	779	9361	10140	11947	12363	24310
1988-89	13106	3121	16227	461	12654	13115	13567	15775	29342
1989-90	12846	3609	16455	295	10996	11291	13141	14605	27746
1990-91	13125	3238	16363	594	11942	12536	13719	15180	28899
1991-92	11082	3239	14321	424	11516	11940	12532	14755	26261
1992-93	15116	3263	18379	116	10451	10567	15232	13714	28946
1993-94	17233	4812	22045	205	8256	8461	17438	13068	30506
1994-95	16030	4576	20605	132	9936	10068	16162	14511	30673
1995-96	16990	5722	22712	330	10874	11204	17320	16596	33916

2.2.16 Cargo Traffic Handled At Major Ports in India

('000 tonnes)

PORT/ YEAR	OVERSEAS		COASTAL		OVERSEAS & COASTAL				
	Unloaded:Loaded	: Total	Unloaded:Loaded	: Total	Unloaded:Loaded	: Total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
J.L. NEHRU									
1989-90	507	190	697	-	-	-	507	190	697
1990-91	1645	377	2022	-	-	-	1645	377	2022
1991-92	2061	733	2794	-	-	-	2061	733	2794
1992-93	2105	902	3007	-	-	-	2105	902	3007
1993-94	2088	1299	3387	-	-	-	2088	1299	3387
1994-95	3215	1718	4933	75	-	75	3290	1718	5008
1995-96	4314	2559	6873	-	-	-	4314	2559	6873
MORMUGAO									
1970-71	86	10652	10738	267	0	267	353	10652	11005
1975-76	216	12093	12309	459	0	459	675	12093	12768
1980-81	621	12921	13542	222	0	222	843	12921	13764
1985-86	1163	14494	15657	458	0	458	1621	14494	16115
1988-89	1279	13586	14865	504	20	524	1783	13606	15389
1989-90	847	12664	13511	636	21	657	1483	12685	14168
1990-91	1058	13154	14212	663	36	699	1721	13190	14911
1991-92	1660	12515	14175	736	188	924	2396	12703	15099
1992-93	1720	13531	15251	674	389	1063	2394	13920	16314
1993-94	1910	15657	17567	625	525	1150	2535	16182	18717
1994-95	2024	15421	17445	708	728	1436	2732	16149	18881
1995-96	2336	15146	17482	483	130	613	2819	15276	18095

2.2.16 Cargo Traffic Handled At Major Ports in India ('000 tonnes)

PORT/ YEAR	OVERSEAS : Unloaded:Loaded : Total	COASTAL : Unloaded:Loaded : Total	OVERSEAS & COASTAL : Unloaded:Loaded : Total						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
NEW MANGALORE									
1970-71	-	-	-	-	-	-	-	-	-
1975-76	151	125	276	55	8	63	206	133	339
1980-81	332	319	651	307	5	312	639	324	963
1985-86	603	2622	3225	393	68	461	996	2690	3686
1988-89	1054	5492	6546	513	25	538	1567	5517	7084
1989-90	812	6367	7179	482	0	482	1294	6367	7661
1990-91	799	6485	7284	564	174	738	1363	6659	8022
1991-92	660	6470	7130	638	506	1144	1298	6976	8274
1992-93	935	5530	6465	595	28	623	1530	5558	7088
1993-94	637	7155	7792	608	230	838	1245	7385	8630
1994-95	958	5979	6937	682	386	1068	1640	6365	8005
1995-96	1077	6528	7605	806	473	1279	1883	7001	8884
COCHIN									
1970-71	3292	451	3743	155	914	1069	3447	1365	4812
1975-76	2913	334	3247	408	603	1011	3321	937	4258
1980-81	3517	290	3807	595	831	1426	4112	1121	5233
1985-86	1803	498	2301	2754	222	2976	4557	720	5277
1988-89	2959	680	3639	3582	603	4185	6541	1283	7824
1989-90	2483	482	2965	3570	589	4159	6053	1071	7124
1990-91	2138	380	2518	4113	644	4757	6251	1024	7275
1991-92	2666	454	3020	3867	594	4461	6433	1048	7481
1992-93	2601	593	3194	4263	621	4784	6864	1114	7978
1993-94	2322	725	3047	4029	544	4573	6351	1269	7620
1994-95	2947	914	3861	4246	524	4770	7193	1438	8631
1995-96	3522	1184	4706	5603	1194	6797	9125	2378	11503

2.2.16 Cargo Traffic Handled At Major Ports in India

('000 tonnes)

PORT/ YEAR	OVERSEAS		COASTAL		OVERSEAS & COASTAL				
	: Unloaded	: Loaded	: Unloaded	: Loaded	: Unloaded	: Loaded			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
TUTICORIN									
1970-71	-	-	786	424	156	580	922	444	1366
1975-76	498	288	-	1079	303	1382	2117	443	2560
1980-81	1038	140	1178	2668	45	2713	4016	205	4221
1985-86	1348	160	1508	3345	38	3383	4852	273	5125
1988-89	1507	235	1742	3377	12	3389	4900	424	5324
1989-90	1523	412	1935	3093	13	3106	4541	534	5075
1990-91	1448	521	1969	3625	18	3643	5099	769	5868
1991-92	1474	751	2225	3666	5	3671	5408	807	6215
1992-93	1742	802	2544	4348	1	4349	5606	1094	6700
1993-94	1258	1093	2351	4829	10	4839	6876	1165	8041
1994-95	2047	1155	3202	5167	19	5186	7955	1331	9286
1995-96	2788	1312	4100	-	-	-	-	-	-
CHENNAI									
1970-71	3559	2759	6318	178	429	607	3737	3188	6925
1975-76	4799	2612	7411	288	184	472	5087	2796	7883
1980-81	6226	3382	9608	186	581	767	6412	3963	10375
1985-86	7628	5920	13548	3479	1121	4600	11107	7041	18148
1988-89	7305	8484	15789	6444	1630	8074	13749	10114	23863
1989-90	6939	8487	15426	7158	1356	8514	14097	9843	23940
1990-91	7313	8205	15518	7687	1313	9000	15000	9518	24518
1991-92	6757	8682	15439	8307	1300	9607	15064	9982	25046
1992-93	8197	7644	15841	8089	1401	9490	16286	9045	25331
1993-94	8487	8510	16997	8392	1152	9544	16879	9662	26541
1994-95	9451	8433	17884	9796	1784	11580	19247	10217	29464
1995-96	11693	9259	20952	8740	1029	9769	20433	10288	30721

2.2.16 Cargo Traffic Handled At Major Ports in India ('000 tonnes)

PORT/ YEAR	OVERSEAS : Unloaded:Loaded	Total	COASTAL : Unloaded:Loaded	Total	OVERSEAS & COASTAL : Unloaded:Loaded	Total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
VISAKHAPATNAM									
1970-71	2222	6124	8346	103	284	387	2325	6408	8733
1975-76	2814	5600	8414	62	72	134	2876	5672	8548
1980-81	3471	5985	9456	528	139	667	3999	6124	10123
1985-86	4862	6189	11051	4079	781	4860	8941	6970	15911
1988-89	7032	7851	14883	3308	2181	5489	10340	10032	20372
1989-90	7182	7745	14927	3228	2962	6190	10410	10707	21117
1990-91	7925	5895	13820	2397	3204	5601	10322	9099	19421
1991-92	8597	6237	14834	1834	4854	6688	10431	11091	21522
1992-93	11990	5607	17597	784	4384	5168	12774	9991	22765
1993-94	11508	7047	18555	1422	5618	7040	12930	12665	25595
1994-95	13220	6936	20156	2617	7256	9873	15837	14192	30029
1995-96	14094	7155	21249	3517	8051	11568	17611	15206	32817
PARADIP									
1970-71	-	2156	2156	1	-	1	1	2156	2157
1975-76	188	3127	3315	1	10	11	189	3137	3326
1980-81	306	1934	2240	1	-	1	307	1934	2241
1985-86	957	2092	3049	-	282	282	957	2374	3331
1988-89	2777	2275	5052	-	980	980	2777	3255	6032
1989-90	2460	2432	4892	-	1292	1292	2460	3724	6184
1990-91	2839	2101	4940	-	1944	1944	2839	4045	6884
1991-92	2880	2048	4928	-	2369	2369	2880	4417	7297
1992-93	2428	1792	4220	-	3386	3386	2428	5178	7606
1993-94	2577	2064	4641	4	3682	3686	2581	5746	8327
1994-96	3338	2440	5778	153	4190	4343	3491	6630	10121
1995-96	4135	2200	6335	65	4859	4924	4200	7059	11259

2.2.17 Overseas Traffic (Principal Commodities) Handled At Major Ports

('000 tonnes)

PORT/ YEAR	1993-94	1994-95	1995-96						
	Unloaded:Loaded	Total	Unloaded:Loaded	Total	Unloaded:Loaded	Total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
KANDLA	17736	3446	21182	18771	3051	21822	21626	4356	25982
POL- Crude	10099	-	10099	9236	-	9236	8590	-	8590
POL- Products	4033	813	4846	4967	614	5581	7748	456	8204
Fertilizer	824	-	824	705	-	705	676	-	676
Fertilizer'Raw	-	-	-	-	-	-	-	-	-
Material (Dry)	371	-	371	452	-	452	399	-	399
Fertilizer'Raw	-	-	-	-	-	-	-	-	-
Material (liquid)	672	-	672	722	-	722	703	-	703
Foodgrains	94	535	629	6	683	689	13	2025	2038
Iron & Steel	245	6	251	234	3	237	216	5	221
Iron Scrap	115	-	115	388	-	388	278	-	278
Sugar	-	74	74	280	-	280	-	-	-
Veg. Oil &	-	-	-	-	-	-	-	-	-
Animal fats	48	117	165	96	130	226	215	235	450
Salt	-	286	286	-	195	195	-	193	193
Other Commodities	1235	1615	2850	1685	1426	3111	2788	1442	4230

2.2.17 Overseas Traffic (Principal Commodities) Handled At Major Ports

PORT/ YEAR	('000 tonnes)									
	1993-94		1994-95		1995-96					
	:Unloaded:Loaded		:Total :Unloaded:Loaded		:Total :Unloaded:Loaded		:Total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
MUMBAI	17233	4812	22045	16030	4575	20605	16990	5722	22712	
POL Crude	8830	177	9007	4918	80	4998	4505	-	4505	
POL- Products	2081	1323	3404	2897	953	3850	4777	734	5511	
Fertilizer	57	-	57	70	-	70	105	-	105	
Fertilizers' Raw	845	-	845	892	-	892	735	-	735	
Material (Dry)										
Fertilizers' Raw										
Material (Liquid)										
Foodgrains	475	288	763	438	178	616	446	763	1209	
Iron & Steel	1249	176	1425	1823	111	1934	1736	190	1926	
Veg. Oil & animal	147	39	186	194	40	234	574	76	650	
fats										
Iron Scrap	385	-	385	182	-	182	173	-	173	
Cement	-	-	-	4	-	4	-	-	-	
Sugar	-	37	37	398	25	423	45	41	86	
Other Commodities	3164	2772	5936	4214	3188	7402	3894	3918	7812	

2.2.17 Overseas Traffic (Principal Commodities) Handled At Major Ports

('000 tonnes)

PORT/ YEAR	1993-94	1994-95	1995-96						
	: Unloaded: Loaded : Total			: Unloaded: Loaded : Total			: Unloaded: Loaded : Total		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
JAWAHARLAL NEHRU	2088	1299	3387	3215	1718	4933	4314	2559	6873
POL-Crude	855	...	855	1187	...	1187	139	-	139
Fertiliser	23	-	23	125	-	125	179	-	179
Fert. Raw	...	...	...	...	...	...	416	232	648
Material (Dry)	275	-	275	1903	1718	3621	1864	2259	68
Iron Ore	935	1299	2234	1903	1718	3621	1864	2259	4123
Foodgrains	1910	15657	17567	2024	15421	17445	2336	15146	17482
Other Commodities	1481	-	1481	1292	-	1292	1456	-	1456
MORMUGAO	141	-	141	70	-	70	56	-	56
POL-Product	-	-	-	-	-	-	-	-	-
Fertilizer	-	-	-	-	-	-	-	-	-
Fertilizer Raw	-	-	-	-	-	-	-	-	-
Material (Dry)	-	-	-	-	-	-	-	-	-
Fertilizer Raw	-	-	-	-	-	-	-	-	-
Material (Liquid)	135	-	135	191	-	191	174	-	174
Foodgrains	11	-	11	-	-	-	-	-	-
Coal	107	2	109	366	14	380	556	8	564
Iron Ore	-	15226	15226	-	14980	14980	-	14805	14805
Other Ore	-	219	219	-	281	281	-	150	150
Other Commodities	35	210	245	105	146	251	94	183	277

2.2.17 Overseas Traffic (Principal Commodities) Handled At Major Ports

PORT/ YEAR	('000 tonnes)									
	1993-94		1994-95		1995-96					
	: Unloaded: Loaded		: Total : Unloaded: Loaded		: Total : Unloaded: Loaded		: Total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
NEW MANGALORE	637	7155	7792	958	5979	6937	1077	6528	7605	
POL-Crude	-	-	-	-	-	-	161	-	161	
POL-Products	64	-	64	102	-	102	21	-	21	
Fertilizer	106	-	106	87	-	87	205	-	205	
Fertilizer Raw	-	-	-	-	-	-	-	-	-	
Material (Dry)	55	-	55	42	-	42	16	-	16	
Fertilizer Raw	-	-	-	-	-	-	-	-	-	
Material(Liquid)	75	-	75	120	-	120	99	-	99	
Foodgrains	19	-	19	-	-	-	-	-	-	
Iron scrap	23	-	23	27	-	27	-	-	-	
Coal	-	-	-	-	-	-	41	-	41	
Iron Ore & Pellets	-	6830	6830	-	5694	5694	-	6168	6168	
Other Ore	-	-	-	-	16	16	-	35	35	
Coffee	-	9	9	-	1	1	-	-	-	
Other Commodities	295	316	611	580	268	848	534	325	859	

2.2.17 Overseas Traffic (Principal Commodities) Handled At Major Ports
('000 tonnes)

PORT/ YEAR	1983-84	1984-85	1985-86	: Unloaded:Loaded : Total : Unloaded:Loaded : Total : Unloaded:Loaded : Total					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
COCHIN	2322	725	3047	2947	914	3861	3522	1184	4706
POL- Crude	1160	-	1160	1184	-	1184	2052	-	2052
POL- Products	115	267	382	394	322	716	97	515	612
Fertilizer	39	-	39	95	-	95	194	-	194
Fertilizer 'Raw-	381	-	381	409	-	409	341	-	341
Material (Dry)	323	-	323	407	-	407	462	-	462
Fertilizer 'Raw-	-	-	-	-	-	-	4	5	9
Material (liq.)	-	-	-	-	-	-	21	4	25
Foodgrains	-	-	-	-	-	-	-	-	-
Iron & Steel	-	-	-	-	-	-	-	-	-
Veg. Oil & animal	5	-	5	-	-	-	-	-	-
fats	-	31	31	-	58	58	-	72	72
Tea	-	60	60	-	86	86	-	112	112
Coffee	31	34	65	5	39	44	10	37	47
Cashewnuts/Cashew	268	333	601	453	409	862	341	439	780
Kernels	-	-	-	-	-	-	-	-	-
Other Commodities	-	-	-	-	-	-	-	-	-

2.2.17 Overseas Traffic (Principal Commodities) Handled At Major Ports

PORT/ YEAR	('000 tonnes)									
	1993-94		1994-95		1995-96					
:Unloaded:Loaded : Total :Unloaded:Loaded : Total :Unloaded:Loaded : Total										
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
TUTICORIN	1258	1093	2351	2047	1155	3202	2788	1312	4100	
Fertilizer	205	-	205	221	-	221	412	-	412	
Fertilizer 'Raw	138	-	138	335	-	335	241	-	241	
Material (Dry)	71	-	71	128	-	128	135	-	135	
Fertilizer 'Raw	1	-	1	-	-	-	1	-	1	
Material (Liquid)	60	-	60	110	-	110	914	-	914	
Iron Scrap	-	34	34	-	26	26	-	17	17	
Coal	-	133	133	-	135	135	-	18	18	
Tea/Coffee	29	-	29	-	-	-	-	16	16	
Salt	754	926	1680	1253	994	2247	1085	1261	2346	
Foodgrains										
Other Commodities										

2.2.17 Overseas Traffic (Principal Commodities) Handled At Major Ports

('000 tonnes)

PORT/ YEAR	1993-94	1994-95	1995-96						
: Unloaded: Loaded : Total : Unloaded: Loaded : Total : Unloaded: Loaded : Total									
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
CHENNAI	8487	8510	16997	9451	8433	17884	11693	9259	20952
POL- Crude	5422	945	6367	5350	503	5853	5770	860	6630
POL- Products	34	815	849	34	573	607	26	465	491
Fertilizer	858	-	858	834	-	834	963	-	963
Fertilizers 'Raw	288	-	288	403	-	403	374	-	374
Materials (Dry)	-	-	-	-	-	-	-	-	-
Fertilizers 'Raw	-	-	-	-	-	-	-	-	-
Materials (Liquid)	-	-	-	-	-	-	-	-	-
Foodgrains	89	-	89	-	2	2	8	17	25
Iron & Steel	203	79	282	280	58	338	295	71	366
Veg. Oil & animal	-	-	-	-	-	-	-	-	-
fats	6	-	6	43	-	43	146	-	146
Iron Ore	-	4540	4540	-	5149	5149	-	4951	4951
Chemicals	249	69	318	347	121	468	175	89	264
Iron Scrap	311	10	321	593	22	615	463	-	463
Coal	252	-	252	246	-	246	1896	-	1896
Coke	55	-	55	298	-	298	388	-	388
Other Commodities	720	2052	2772	1023	2005	3028	1189	2806	3995

2.2.17 Overseas Traffic (Principal Commodities) Handled At Major Ports

PORT/ YEAR	('000 tonnes)									
	1993-94		1994-95		1995-96					
	: Unloaded: Loaded		: Total : Unloaded: Loaded		: Total : Unloaded: Loaded		: Total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
VISAKHAPATNAM	11508	7047	18555	13220	5936	20156	14094	7155	21249	
POL- Crude	4449	-	4449	4769	-	4769	3816	-	3816	
POL- Products	673	346	1019	536	303	839	1720	424	2144	
Fertilizers	682	-	682	790	-	790	1104	-	1104	
Fertilizer Raw										
Materials (Dry)	835	-	835	906	-	906	845	-	845	
Fertilizer Raw										
Materials (Liquid)	257	-	257	431	-	431	390	-	390	
Foodgrains	46	-	46	-	-	-	-	-	-	
Iron & Steel	-	955	955	32	752	784	78	353	353	
Coal	4029	-	4029	4873	-	4873	5099	824	902	
Coke	44	-	44	47	-	47	60	-	60	
Iron Ore	-	4227	4227	-	4230	4230	-	3954	3954	
Chemicals	71	-	71	93	-	93	99	-	99	
Iron scrap	-	-	-	51	-	51	24	-	24	
Veg. Oil & animal fats	-	-	-	-	-	-	-	-	-	
Other Commodities	6	1519	1935	30	1648	2310	137	1600	137	
	416		662				722		2322	

2.2.17 Overseas Traffic (Principal Commodities) Handled At Major Ports

('000 tonnes)

PORT/ YEAR	1993-94	1994-95	1995-96						
	Unloaded:Loaded		: Total		Unloaded:Loaded		: Total		: Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
PARADIP	2577	2064	4641	3338	2440	5778	4135	2200	6335
POL-Product	...	...	...	...	...	...	623	-	623
Fertilizers	192	-	192	125	-	125	134	-	134
Fertilizer Raw									
Materials (Dry)	63	-	63	82	-	82	366	-	366
Fertilizer Raw									
Materials (Liquid)	471	-	471	609	-	609	590	-	590
Foodgrains	-	-	-	-	-	-	-	20	20
Iron & Steel	62	106	168	-	6	6	-	-	-
Coal	1094	-	1094	1484	-	1484	1677	-	1677
Coke	157	-	157	228	-	228	-	-	-
Iron Ore	-	1430	1430	-	1881	1881	-	1665	1665
Iron scrap	-	17	17	-	5	5	-	-	-
Other Commodities	538	511	1049	810	548	1358	745	515	1260

2.2.17 Overseas Traffic (Principal Commodities) Handled At Major Ports

PORT/ YEAR	('000 tonnes)									
	1993-94		1994-95		1995-96					
	:Unloaded:Loaded		:Total		:Unloaded:Loaded		:Total		:Unloaded:Loaded	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
CALCUTTA	1721	1477	3198	2062	1364	3426	1757	1565	3322	
POL- Crude	-	-	-	-	-	-	-	-	-	-
POL- Products	46	-	46	63	-	-	-	-	-	-
Fertilizer	156	-	156	98	-	63	83	-	83	-
Fertilizer Raw	-	-	-	-	-	98	119	-	119	-
Material (Dry)	76	-	76	45	-	-	-	-	-	-
Fertilizer Raw	-	-	-	-	-	45	88	-	88	-
Material (Liquid)	-	-	-	-	-	-	-	-	-	-
Foodgrains	46	-	46	-	-	-	-	-	-	-
Iron & Steel	208	488	696	208	-	-	20	63	83	-
Veg. Oil & animal fats	-	-	-	-	279	487	148	301	449	-
Cement	66	-	66	102	-	102	147	-	147	-
Chemicals	63	-	63	66	-	-	-	-	-	-
Tea	-	108	108	-	-	66	68	-	68	-
Coal	6	-	6	-	89	89	-	69	69	-
Sugar	-	-	-	-	-	-	-	-	-	-
Jute & its products	-	197	197	325	-	325	20	12	32	-
Other Commodities	1054	684	1738	1155	201	201	-	132	132	-
					795	1950	1064	988	2052	-

2.2.17 Overseas Traffic (Principal Commodities) Handled At Major Ports

('000 tonnes)

PORT/ YEAR	1993-94	1994-95	1995-96						
	: Unloaded: Loaded		: Total		: Unloaded: Loaded		: Total		: Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
HALDIA	8540	199	8739	9538	191	9729	10526	257	10783
POL- Crude	3115	-	3115	3277	-	3277	3604	-	3604
POL- Products	2800	-	2800	3002	-	3002	3131	-	3131
Fertilizer	68	-	68	52	-	52	43	-	43
Fertilizer Raw									
Materials (Dry)	141	-	141	179	-	179	276	-	276
Fertilizer Raw									
Materials (Liquid)	71	-	71	189	-	189	215	-	215
Foodgrains	29	-	29	-	25	25	1	23	24
Iron & Steel	22	127	149	14	107	121	5	170	175
Iron scrap (Pig Iron)	-	-	-	-	-	-	-	-	-
Coal	2001	-	2001	2285	-	2285	2800	5	2805
Cement	-	-	-	-	-	-	-	-	-
Tea	-	29	29	-	30	30	-	32	32
Other Commodities	293	43	336	540	29	569	451	27	478

2.2.17 Overseas Traffic (Principal Commodities) Handled At Major Ports

PORT/ YEAR	('000 tonnes)									
	1993-94		1994-95		1995-96					
	:Unloaded:Loaded		:Total :Unloaded:Loaded		:Total :Unloaded:Loaded		:Total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
ALL MAJOR PORTS	76017	53484	129501	83601	52177	135778	94858	57243	152101	
POL- Crude	33075	1122	34197	28734	583	29317	28637	860	29497	
POL- Products	11327	3564	14891	13287	2765	16052	19682	2594	22276	
Fertilizer	4183	-	4183	4334	-	4334	5727	-	5727	
Fertilizers'Raw										
Material (Dry)	3216	-	3216	3870	-	3870	3860	-	3860	
Fertilizers'Raw										
Material (Liquid)	2075	-	2075	2797	-	2797	2768	-	2768	
Foodgrains	1113	823	1936	444	891	1335	492	3353	3845	
Iron & Steel	1989	1937	3926	2591	1316	3907	2499	1565	4064	
Coal	7549	2	7551	9364	14	9378	12983	13	12996	
Coke	256	-	256	573	-	573	448	-	448	
Iron Ore	-	32253	32253	-	31934	31934	416	31775	32191	
Other Commodities	11234	13783	25017	17607	14674	32281	17346	17083	34429	

2.2.18 Coastal Traffic (Principal Commodities) Handled At Major Ports

('000 tonnes)

PORT/ COMMODITY	1993-94	1994-95	1995-96						
	Unloaded:Loaded	: Total	: Unloaded:Loaded	: Total	: Unloaded:Loaded	: Total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
KANDLA	3217	101	3318	3880	800	4680	4247	110	4357
POL-Crude	2410	-	2410	3195	-	3195	3917	-	3917
POL-Products	767	35	802	682	204	886	325	90	415
Foodgrains	-	-	-	-	-	-	-	-	-
Veg. Oil & Animal fats	-	-	-	-	-	-	-	-	-
Other Commodities	40	66	106	3	596	599	5	20	25
MUMBAI	205	8256	8461	132	9936	10068	330	10874	11204
POL-Crude	73	6849	6922	-	8895	8895	49	9994	10043
POL-Products	81	1406	1487	89	1001	1090	199	880	1079
Foodgrains	-	-	-	-	-	-	-	-	-
Cement	2	-	2	21	-	21	43	-	43
Salt	32	-	32	13	-	13	32	-	32
Iron & Steel	-	-	-	-	-	-	2	-	2
Veg. Oil & Animal fats	-	-	-	-	-	-	-	-	-
Other commodities	17	1	18	9	40	49	5	-	5
J.L.NEHRU	-	-	-	75	-	75	-	-	-
Other Commodities	-	-	-	75	-	75	-	-	-

2.2.18 Coastal Traffic (Principal Commodities) Handled At Major Ports

PORT/ COMMODITY	('000 tonnes)									
	1993-94		1994-95		1995-96					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
:Unloaded:Loaded : Total :Unloaded:Loaded : Total :Unloaded:Loaded : Total										
MORMUGAO	625	525	1150	708	728	1436	483	130	613	
POL- Products	617	-	617	646	-	646	455	-	455	
Iron Ore	-	522	522	30	683	713	-	118	118	
Coal/Coke	-	-	-	-	33	33	-	1	1	
Others	8	3	11	32	12	44	28	11	39	
NEW MANGALORE	608	230	838	682	386	1068	806	473	1279	
POL- Products	582	-	582	640	-	640	773	2	775	
Iron Ore/Pallets	-	230	230	-	386	386	-	471	471	
Other commodities	26	-	26	42	-	42	33	-	33	
COCHIN	4029	544	4573	4246	524	4770	5603	1194	6797	
POL- Crude	3556	52	3608	4020	-	4020	5526	-	5526	
POL- Products	463	488	951	197	518	715	37	1189	1226	
Other commodities	10	4	14	29	6	35	40	5	45	

2.2.18 Coastal Traffic (Principal Commodities) Handled At Major Ports

('000 tonnes)

PORT/ COMMODITY	1993-94		1994-95		1995-96		Total
	Unloaded	Loaded	Unloaded	Loaded	Unloaded	Loaded	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
							(9)
							(10)
TUTICORIN	4348	1	4349	4829	10	4839	5167
							19
							5186
POL- Products	463	-	463	417	-	417	434
Foodgrains	-	-	-	-	-	-	-
Coal	3877	-	3877	4385	-	4385	4706
Other commodities	8	1	9	27	10	37	27
							19
							46
CHENNAI	8392	1152	9544	9796	1784	11580	8740
							1029
							9769
POL- Crude	2715	-	2715	3793	-	3793	3356
POL- Products	41	1061	1102	22	1667	1689	10
Veg. Oil & Animal	-	-	-	-	-	-	3
fats	-	-	-	-	-	-	-
Coal	5550	-	5550	5904	-	5904	5246
Foodgrains	-	-	-	-	8	8	-
Other commodities	86	91	177	77	109	186	125
							90
							215

2.2.18 Coastal Traffic (Principal Commodities) Handled At Major Ports

PORT/ COMMODITY	('000 tonnes)									
	1993-94		1994-95		1995-96					
	:Unloaded:Loaded		:Total :Unloaded:Loaded		:Total :Unloaded:Loaded		:Total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
VISAKHAPATNAM	1422	5618	7040	2617	7256	9873	3517	8051	11568	
POL- crude	1323	1164	2487	2462	1416	3878	3109	3207	6316	
POL- Products	95	856	951	134	1617	1751	299	-	299	
Coal	-	2551	2551	-	2851	2851	-	3044	3044	
Chemicals	4	-	4	20	-	20	10	-	10	
Iron Ore	-	1003	1003	-	1321	1321	32	1724	1756	
Other commodities	25	45	70	1	51	52	67	76	143	
PARADIP	4	3682	3686	153	4190	4343	65	4859	4924	
POL-Product	...	...	...	...	...	...	65	378	443	
Coal	-	3594	3594	-	4118	4118	-	4232	4232	
Iron ore	-	88	88	-	-	-	-	26	26	
Others	4	-	4	153	72	225	-	223	223	
CALCUTTA	1653	318	1971	2044	334	2378	2493	309	2802	
POL- Crude	-	-	-	-	-	-	-	-	-	
POL- Products	1529	48	1577	1925	52	1977	2414	27	2441	
Foodgrains	-	28	28	-	-	-	-	-	-	
Iron & Steel	5	4	9	-	11	11	4	-	4	
Coal	-	-	-	-	-	-	-	-	-	
Other commodities	119	238	357	119	271	390	75	282	357	

2.2.18 Coastal Traffic (Principal Commodities) Handled At Major Ports

('000 tonnes)

PORT/ COMMODITY	1993-94	1994-95	1995-96						
	Unloaded:Loaded	Total	Unloaded:Loaded	Total	Unloaded:Loaded	Total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
HALDIA	303	4285	4588	438	4564	5002	339	4269	4608
POL- Crude	-	-	-	-	-	-	-	-	-
POL- Products	300	858	1158	431	981	1412	335	1148	1483
Coal	-	3427	3427	-	3556	3556	-	3117	3117
Other commodities	3	-	3	7	27	34	4	4	8
ALL MAJOR PORTS	24806	24712	49518	29600	30512	60112	31790	31317	63107
POL- Crude	10077	8065	18142	13470	10310	23780	15957	9994	25951
POL- Products	4938	4752	9690	5183	6041	11224	5346	7853	13199
Foodgrains	-	28	28	-	8	8	-	7	7
Coal	9427	9572	18999	10289	10558	20847	9952	10394	20346
Iron & Steel	5	4	9	-	11	11	6	-	6
Iron Ore	-	1843	1843	30	2390	2420	32	2339	2371
Other commodities	359	448	807	628	1194	1822	497	730	1227

2.2.19 Overseas Traffic (Imports - 1995-96) By Country Of Origin (Portwise-Commoditywise)

(In '000 Tonnes)

Country of Origin/ Commodities	Kandla	Mumbai	J.L. Nehru	Mormu- gao	N.Manga- lore	Cochin	Tuti- corin	Chennai	Vinakha	Paradip	Calcutta	Maldia	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14
ALL COMMODITIES	21626	16990	4314	2336	1077	3522	2788	11693	14094	4135	1757	10526	94858
U.A.E.	5147	488	-	257	62	-	429	-	844	415	-	-	7642
Kuwait	5322	332	-	223	88	-	-	-	1109	185	-	-	7259
S.Arabia	336	6114	-	471	96	-	-	-	795	409	-	-	8221
Iran	225	386	-	4	33	-	-	-	227	-	-	-	875
Iraq	27	-	-	-	-	-	-	-	-	-	-	-	27
Qatar	21	16	-	-	26	-	-	-	25	-	-	-	88
Russia	107	567	-	9	-	-	141	-	297	-	-	-	1121
U.S.A	557	590	243	71	6	137	60	651	672	152	311	786	4536
Bahrain	2638	664	-	360	18	-	-	-	44	33	-	-	3757
Jordan	111	209	-	27	-	-	214	-	179	29	-	-	769
Senegal	463	-	-	-	-	-	3	-	-	22	-	-	488
Korea	96	184	-	-	18	-	5	-	35	36	-	-	374
Netherland (Holland)	968	85	-	-	3	-	-	-	6	-	-	-	1062
Italy	302	132	1	66	10	-	1	106	25	4	-	-	647
Singapore	116	142	-	80	30	-	28	689	241	43	-	-	1369
Malaysia	272	420	-	-	58	-	91	161	355	-	-	-	1357
France	17	175	-	-	-	-	1	86	23	-	-	-	302
Canada	1938	211	80	-	16	41	18	56	125	86	-	-	2571
Japan	225	333	23	24	16	14	6	171	39	91	161	-	1103
Brazil	77	205	-	-	33	-	-	55	11	-	-	-	381
Germany	242	439	187	1	2	44	3	161	78	-	24	-	1181
U.K.	61	319	-	-	-	15	2	39	25	-	50	-	511
Australia/N.Zealand	15	181	-	177	-	90	36	203	5123	-	125	-	5950
Other European Countries	246	400	17	13	67	20	26	267	59	-	206	33	1354
Other Asian Countries	496	639	607	362	161	2569	973	1932	489	351	554	3219	12372
Other African Countries	417	144	75	144	288	406	313	812	305	427	6	-	3337
Others	1184	3515	3081	47	26	186	438	6304	2763	1852	320	6488	26204

2.2.19 Overseas Traffic (Imports - 1995-96) By Country of Origin (Portwise-Commoditywise)

(In '000 Tonnes)

Country of Origin/ Commodities	Kandla	Mumbai	J. L.	Mormu	N. Manga	Cochin	Tutl	Chennai	Vishakh	Paradip	Calcutta	Malda	Total	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
POL CRUDE & PRODUCTS	16338	9282	139	1456	182	2149	-	5796	5536	623	83	6735	48319	
U.A.E.	4403	198	-	223	-	-	-	-	339	84	-	-	5247	
Kuwait	5221	322	-	205	56	-	-	-	260	185	-	-	6249	
S. Arabia	278	5909	-	459	-	-	-	-	703	236	-	-	7585	
Iran	93	153	-	4	10	-	-	-	106	-	-	-	366	
Iraq	23	-	-	-	-	-	-	-	-	-	-	-	23	
Qatar	-	-	-	-	-	-	-	-	-	-	-	-	-	
Singapore	71	42	-	33	-	-	-	532	198	43	-	-	919	
Malaysia	-	1	-	-	-	-	-	-	260	-	-	-	261	
Russia	79	38	-	-	-	-	-	-	-	-	-	-	117	
Bahrain	2571	632	-	360	10	-	-	-	44	33	-	-	3650	
Yemen	41	-	-	-	-	-	-	-	-	-	-	-	41	
U.S.A.	-	65	12	7	-	28	-	-	-	17	-	710	839	
Panama	20	-	-	-	-	-	-	-	-	-	-	-	20	
Oman	-	12	-	-	-	-	-	-	-	-	-	-	12	
Other European Countries	1145	205	-	82	-	40	-	160	35	-	51	-	1718	
Other Asian Countries	206	122	-	44	-	2061	-	152	12	-	32	2255	4904	
Others	2187	1583	127	39	106	-	-	4952	3579	25	-	3770	16368	

2.2.19 Overseas Traffic (Imports - 1995-96) By Country of Origin (Portwise-Commoditywise)

(In '000 tonnes)

Country of Origin/ Comodities	Kandla	Mumbai	J.L.	Mormu-	N.Mangla	Cochin	Tutl-	Chennai	Vishakh	Paradip	Calcutta	Madia	Total
	:	:	Nehru	: Gao	: Iore	:	: corin	:	: patnam	:	:	:	:
1	2	3	4	5	6	7	8	9	10	11	12	13	14
IRON & STEEL	216	1736	-	-	-	21	-	295	78	-	146	5	2499
Germany	-	213	-	-	-	-	-	56	7	-	7	-	263
France	-	71	-	-	-	-	-	3	-	-	-	-	74
Russia	-	266	-	-	-	-	-	-	-	-	-	-	266
U.K.	-	102	-	-	-	-	-	9	-	-	-	-	111
Japan	-	147	-	-	-	-	-	57	10	-	21	-	233
U.S.A.	-	89	-	-	-	1	-	3	12	-	-	-	105
Canada	-	2	-	-	-	-	-	-	-	-	-	-	2
Belgium	-	5	-	-	-	-	-	61	-	-	-	-	66
Czechoslovakia	-	-	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	55	-	-	-	-	-	-	-	-	-	-	55
Korea	-	20	-	-	-	-	-	-	-	-	-	-	20
Malaysia	-	1	-	-	-	-	-	2	-	-	-	-	3
Others	216	765	-	-	-	20	-	104	49	-	120	5	1279
IRON SCRAP	278	173	-	-	-	-	-	463	24	-	-	-	938
U.S.A.	164	-	-	-	-	-	-	222	24	-	-	-	430
Russia	-	-	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-	-	-	-
Sri Lanka	-	-	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-	-	-
U.K.	61	-	-	-	-	-	-	-	-	-	-	-	61
Others	33	173	-	-	-	-	-	241	-	-	-	-	447

2.2.19 Overseas Traffic (Imports - 1995-96) By Country Of Origin (Portwise-Commoditywise)

(In '000 Tonnes)														
Country of Origin/ Commodities	Kandla	Mumbai	J.L. Nehru	Mormu- gao	N.Manga- lore	Cochin	Tuti- corin	Chennai	Visakha	Paradip	Calcutta	Haldia	Total	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
FOODGRAINS	13	448												
Australia & New Zealand	-	-	1	-	-	-	4	-	8	-	-	20	1	492
U.S.A.	-	-	32	-	-	-	1	-	-	-	-	-	-	2
Canada	-	-	57	-	-	-	2	-	8	-	-	-	-	42
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-	-	57
Thailand	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Panama	-	-	2	-	-	-	-	-	-	-	-	-	-	2
China	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hungary	-	-	27	-	-	-	-	-	-	-	-	-	-	27
Turkey	-	-	16	-	-	-	-	-	-	-	-	-	-	16
Others	-	-	4	-	-	-	-	-	-	-	-	-	-	4
	13	307					1					20	1	342

2.2.19 Overseas Traffic (Imports - 1995-96) By Country Of Origin (Portwise-Commoditywise)

(In '000 Tonnes)

Country of Origin/ Commodities	Kandla	Mumbai	J.L. Nehru	Morwa- Gao	N.Hanga- Jore	Cochin Corkin	Tutic- Corkin	Chennai Pattna	Vishakh Pattna	Paradip	Calcutta	Haldira	Total	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
VEGETABLE/ EDIBLE OIL		215	574	-	-	52	-	-	146	137	-	147	-	1271
Malaysia		65	376	-	-	52	-	-	114	85	-	-	-	715
Germany		19	-	-	-	-	-	-	-	-	-	-	-	-
Taiwan		-	-	-	-	-	-	-	-	-	-	-	-	-
Singapore		-	1	-	-	-	-	-	10	-	-	-	-	11
Pakistan		-	-	-	-	-	-	-	-	-	-	-	-	-
U.S.A.		-	3	-	-	-	-	-	-	4	-	-	-	7
Kuwait		-	-	-	-	-	-	-	-	-	-	-	-	-
Indonesia		14	57	-	-	-	-	-	19	20	-	-	-	110
Other Asian Countries		27	8	-	-	-	-	-	-	-	-	-	-	35
Others		67	129	-	-	-	-	-	3	26	-	147	-	374
CHEMICALS		-	-	-	-	-	-	-	175	99	-	68	-	342
U.S.A		-	-	-	-	-	-	-	6	-	-	-	-	8
Japan		-	-	-	-	-	-	-	11	10	-	-	-	21
France		-	-	-	-	-	-	-	5	-	-	-	-	5
Germany		-	-	-	-	-	-	-	6	-	-	-	-	6
S.Arabia		-	-	-	-	-	-	-	-	10	-	-	-	10
Bangladesh		-	-	-	-	-	-	-	-	-	-	-	-	-
Other American)		-	-	-	-	-	-	-	-	-	-	-	-	-
countries)		-	-	-	-	-	-	-	2	-	-	-	-	2
Other European)		-	-	-	-	-	-	-	-	-	-	-	-	-
countries)		-	-	-	-	-	-	-	40	-	-	-	-	40
Africa		-	-	-	-	-	-	-	5	-	-	-	-	5
Others		-	-	-	-	-	-	-	98	79	-	68	-	245

2.2.19 Overseas Traffic (Imports - 1995-96) By Country Of Origin (Portwise-Commoditywise)

(In '000 Tonnes)

Country of Origin/ Commodities	Kandla	Bombay	J.L. Mehru	Moreau gao	N.Manga lore	Cochin	Tuti corin	Chennai	Vinakha patnam	Paradip	Calcutta	Baldia	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14
COAL	-	-	-	556	41	-	914	2264	5159	1677	-	2800	13431
U.S.A.	-	-	-	-	-	-	-	-	-	-	-	-	-
U.S.S.R.	-	-	-	-	-	-	-	-	-	-	-	-	-
Newzealand	-	-	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	879	-	-	-	-	-	879
Australia	-	-	-	177	-	-	-	-	5074	1677	-	2626	9554
Poland	-	-	-	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	379	41	-	35	2264	85	-	-	174	2998
WOOD	-	170	-	-	15	-	52	46	-	-	23	-	306
U.S.A.	-	40	-	-	-	-	-	7	-	-	-	-	47
U.S.S.R.	-	24	-	-	-	-	-	-	-	-	-	-	24
Germany	-	4	-	-	-	-	-	-	-	-	-	-	4
Canada	-	39	-	-	15	-	-	21	-	-	-	-	75
Malaysia	-	-	-	-	-	-	-	-	-	-	-	-	-
Burma	-	-	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	9	-	9
Newzealand	-	-	-	-	-	-	-	-	-	-	-	-	-
Singapore	-	3	-	-	-	-	-	-	-	-	-	-	3
Other European Countries	-	11	-	-	-	-	-	-	-	-	-	-	-
Other Asian Countries	-	22	-	-	-	-	-	5	-	-	-	-	16
Other African Countries	-	16	-	-	-	-	-	11	-	-	-	-	33
Others	-	11	-	-	-	-	52	2	-	-	14	-	79

2.2.19 Overseas Traffic (Imports - 1995-96) By Country of Origin (Portwise-Commoditywise)

(In '000 Tonnes)

Country of Origin/ Commodities	Kandla	Bombay	J.L. Nehru	Mormu	N.Manga-lore	Cochin	Tuticorin	Chennai	Vishakhapatnam	Paradip	Calcutta	Malidia	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14
MACHINERY	-	2169	-	-	2	3	-	116	-	-	-	-	2312
U.S.A.	-	136	-	-	-	-	-	14	-	-	-	-	150
Japan	-	13	-	-	-	-	-	13	-	-	-	-	26
France	-	11	-	-	-	-	-	-	-	-	-	-	11
Germany	-	56	-	-	2	1	-	27	-	-	-	-	88
U.S.S.R.	-	10	-	-	-	-	-	-	-	-	-	-	10
Canada	-	4	-	-	-	-	-	-	-	-	-	-	4
U.K.	-	28	-	-	-	-	-	-	-	-	-	-	28
Taiwan	-	6	-	-	-	-	-	-	-	-	-	-	-
Italy	-	16	-	-	-	-	-	-	-	-	-	-	16
Czechoslovakia	-	-	-	-	-	-	-	-	-	-	-	-	-
Sweden	-	3	-	-	-	-	-	-	-	-	-	-	3
Switzerland	-	3	-	-	-	-	-	-	-	-	-	-	3
Other Asian Countries	-	24	-	-	-	-	-	9	-	-	-	-	33
Other European Countries	-	13	-	-	-	2	-	40	-	-	-	-	55
Others	-	1864	-	-	-	-	-	15	-	-	-	-	1879

2.2.20 Overseas Traffic (Exports - 1995-96) By Country of Destination (Portwise-Commoditywise)

(In '000 Tonnes)

Country of Destination/Commodities	Kandla	Mumbai	J. L. Nehru	Morvan	N. Mangalore	Cochin	Tuticorin	Chennai	Visakhapatnam	Paradip	Calcutta	Malda	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14
ALL COMMODITIES (Contd.)													
Kuwait	10	43	-	-	-	-	-	-	-	-	-	-	53
Bahrain	14	23	-	-	41	-	-	-	-	-	-	-	76
China	24	42	-	1867	1455	-	12	569	655	466	-	-	5092
Malaysia	26	133	-	29	-	-	33	127	157	21	-	-	528
Bangladesh	123	62	-	-	-	2	2	109	300	20	91	-	729
Philippines	117	37	-	-	-	-	22	-	30	-	-	-	206
Yugoslavia	7	1	-	50	-	-	-	-	-	-	-	-	56
Dubai	-	530	-	-	-	-	-	-	-	-	-	-	530
Spain	-	7	-	-	12	-	7	-	5	-	-	-	32
Other European Countries	32	43	-	-	51	1	166	9	255	3	66	56	662
Other American Countries	19	24	-	-	-	2	2	-	-	-	56	-	103
Other African Countries	745	472	-	-	-	10	2	84	43	7	34	-	1397
Other Asian Countries	169	461	-	46	26	167	263	2494	286	4	213	196	4319
Others	367	1550	2559	13	-	610	205	896	11	25	420	4	6662

2.2.20 Overseas Traffic (Exports - 1995-96) By Country Of Destination (Portwise-Commoditywise)

		(In '000 Tonnes)													
Country of Destination/Commodities	1	2													
		Kandla	Mumbai	J.L.	Moreau	N. Manga-	Cochin	Tuti-	Chennai	Visakha	Paradip	Calcutta	Waldia	Total	
				Nehru	gao	lore		corin		patnas					
POL CRUDE & ITS PRODUCTS		456	734	-	-	-	515	-	1325	424	-	-	-	-	3454
S. Arabia	21	19	-	-	-	-	-	-	-	26	-	-	-	-	66
U.S.A.	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1
U.K.	-	-	-	-	-	-	-	-	-	32	-	-	-	-	32
Japan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	27	-	-	-	-	-	-	-	-	-	-	-	-
Holland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27
Australia/N. Zealand	-	-	-	-	-	-	-	-	-	7	-	-	-	-	7
Belgium	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Singapore	353	92	-	-	-	-	-	-	-	204	-	-	-	-	1
Iran	-	-	-	-	-	-	-	-	-	-	-	-	-	-	649
Iraq	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
S. Korea	18	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Other European Countries	21	2	-	-	-	-	-	-	-	26	-	-	-	-	44
Other African Countries	-	-	8	-	-	-	-	-	-	-	-	-	-	-	23
Other Asian Countries	21	10	-	-	-	-	-	-	-	-	-	-	-	-	8
Other American Countries	-	-	-	-	-	-	-	-	321	119	-	-	-	-	471
Others	22	573	-	-	-	-	515	-	1004	10	-	-	-	-	-
															2124

2.2.20 Overseas Traffic (Exports - 1995-96) By Country Of Destination (Portwise-Commoditywise)

(In '000 Tonnes)

Country of Destination/Commodities	Kandla	Bombay	J. L.	Mormu-	N. Manga-	Cochin	Tutli-	Chennai	Vishakh	Paradip	Calcutta	Maldiva	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14
WOODGRAINS	2025	763	68	-	-	5	16	17	353	20	63	23	3353
S. Arabia	270	43	-	-	-	-	-	-	-	-	-	-	313
U.S.A.	23	6	-	-	-	-	-	-	-	-	-	-	29
U.K.	2	6	-	-	-	-	-	-	-	-	-	-	8
Russia	25	28	-	-	-	-	-	-	-	-	-	-	53
Holland	23	-	-	-	-	-	-	-	-	-	-	-	23
Canada	-	2	-	-	-	-	-	-	-	-	-	-	2
Singapore	20	9	-	-	-	-	-	-	6	-	-	-	35
Behrain	-	1	-	-	-	-	-	-	-	-	-	-	1
Germany	-	-	-	-	-	-	-	-	-	-	-	-	-
Kuwait	10	12	-	-	-	-	-	-	-	-	-	-	22
Oman	-	2	-	-	-	-	-	-	-	-	-	-	2
Dubai	33	73	-	-	-	-	-	-	-	-	-	-	106
Other European Countries	33	15	-	-	-	-	-	-	-	-	-	-	48
Other African Countries	849	166	-	-	-	-	-	-	26	-	11	-	1052
Other Asian Countries	605	306	-	-	-	5	9	-	321	20	52	23	1341
Others	132	94	68	-	-	-	7	17	-	-	-	-	316

2.2.20 Overseas Traffic (Exports - 1995-96) By Country Of Destination (Portwise-Commoditywise)

(In '000 Tonnes)														
Country of Destination/Commodities	Kandla : Mumbai : J.L. : Nehru : gao : lore	Morwa : N. Manga- : Cochin : Tutu- : corin	Chennai : Visakha : Paradip : Calcutta : Waidia	Patna :	Total									
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
IRON & STEEL	5	190	-	-	-	4	-	71	824	-	301	170	1565	
U.S.A.	-	7	-	-	-	-	-	17	13	-	-	-	37	
U.K.	-	6	-	-	-	-	-	-	16	-	4	-	26	
Belgium	-	-	-	-	-	-	-	-	65	-	-	-	65	
Japan	-	-	-	-	-	-	-	2	46	-	35	-	83	
Russia	-	-	-	-	-	-	-	-	-	-	-	-	-	
Germany	-	1	-	-	-	-	-	2	15	-	-	-	18	
Canada	-	-	-	-	-	-	-	4	20	-	-	-	24	
Australia/N. Zealand	-	2	-	-	-	-	-	-	8	-	-	-	10	
Kuwait	-	4	-	-	-	-	-	-	-	-	-	-	4	
Other European countries	-	-	-	-	-	-	-	7	33	-	-	22	62	
Other African countries	-	24	-	-	-	-	-	-	30	-	-	-	54	
Other Asian countries	-	105	-	-	-	-	-	29	578	-	61	145	918	
Others	5	41	-	-	-	4	-	10	-	-	201	3	264	
MACHINERY	-	172	-	-	-	7	-	28	-	-	-	-	207	
U.S.A.	-	10	-	-	-	-	-	3	-	-	-	-	13	
Russia	-	1	-	-	-	-	-	-	-	-	-	-	1	
Japan	-	1	-	-	-	-	-	1	-	-	-	-	2	
Germany	-	2	-	-	-	-	-	1	-	-	-	-	3	
Other African Countries	-	18	-	-	-	-	-	-	-	-	-	-	18	
Other European Countries	-	2	-	-	-	-	-	6	-	-	-	-	8	
Middle East	-	-	-	-	-	-	-	-	-	-	-	-	-	
Other Asian Countries	-	29	-	-	-	5	-	7	-	-	-	-	41	
S. America	-	-	-	-	-	-	-	-	-	-	-	-	-	
Others	-	109	-	-	-	2	-	10	-	-	-	-	121	

2.2.20 Overseas Traffic (Exports - 1995-96) By Country of Destination (Portwise-Commoditywise)

(in '000 Tonnes)

Country of Destination/Commodities	Kandla	Mumbai	J.L.	Morwu	N.Manga	Cochin	Tuti	Chennai	Vishakh	Paradip	Calcutta	Baldia	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14
CHEMICALS	-	173	-	-	-	23	-	89	-	-	-	-	285
U.S.A.	-	9	-	-	-	2	-	5	-	-	-	-	16
U.S.S.R.	-	1	-	-	-	-	-	-	-	-	-	-	1
Japan	-	5	-	-	-	5	-	4	-	-	-	-	14
Germany	-	2	-	-	-	-	-	4	-	-	-	-	6
Australia/N.Zealand	-	9	-	-	-	-	-	-	-	-	-	-	9
Africa	-	25	-	-	-	-	-	8	-	-	-	-	33
Other Asian Countries	-	101	-	-	-	9	-	30	-	-	-	-	140
Other European Countries	-	10	-	-	-	2	-	32	-	-	-	-	44
Others	-	11	-	-	-	5	-	6	-	-	-	-	22
TEA	-	24	-	-	-	72	17	-	-	-	69	32	214
U.S.A.	-	5	-	-	-	2	-	-	-	-	-	1	8
U.S.S.R.	-	-	-	-	-	-	-	-	-	-	-	-	-
U.K.	-	-	-	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	6	-	-	-	-	-	-	6
Canada	-	-	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-	-	-	-
Australia/N.Zealand	-	-	-	-	-	1	-	-	-	-	-	-	1
Africa	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Asian Countries	-	19	-	-	-	8	-	-	-	-	-	4	31
Other European Countries	-	-	-	-	-	13	-	-	-	-	-	26	39
Others	-	-	-	-	-	42	17	-	-	-	69	1	129

2.2.20 Overseas Traffic (Exports - 1995-96) By Country Of Destination (Portwise-Commoditywise)

(In '000 Tonnes)														
Country of Destination/Commodities	Kandla	Mumbai	J.L.	Morwa	M. Manga	Cochin	Tuti	Chennai	Visakh	Paradip	Calcutta	Haldia	Total	
	Nehru			gao	lore		corin		patnam					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
BEVERAGE & TOBACCO	-	18	-	-	-	-	-	5	-	-	-	-	23	
U.S.A.	-	-	-	-	-	-	-	-	-	-	-	-	-	
U.S.S.R.	-	-	-	-	-	-	-	-	-	-	-	-	-	
Japan	-	-	-	-	-	-	-	-	-	-	-	-	-	
Germany	-	-	-	-	-	-	-	-	-	-	-	-	-	
Canada	-	-	-	-	-	-	-	-	-	-	-	-	-	
France	-	-	-	-	-	-	-	-	-	-	-	-	-	
Belgium	-	-	-	-	-	-	-	-	-	-	-	-	-	
Romania	-	-	-	-	-	-	-	-	-	-	-	-	-	
U.K.	-	-	-	-	-	-	-	-	-	-	-	-	-	
Spain	-	-	-	-	-	-	-	-	-	-	-	-	-	
Holland	-	-	-	-	-	-	-	-	-	-	-	-	-	
Italy	-	-	-	-	-	-	-	-	-	-	-	-	-	
U.A.R.	-	-	-	-	-	-	-	-	-	-	-	-	-	
Aden	-	-	-	-	-	-	-	-	-	-	-	-	-	
Australia/N.zealand	-	-	-	-	-	-	-	-	-	-	-	-	-	
Other European Countries	-	-	-	-	-	-	-	-	-	-	-	-	-	
Others	-	18	-	-	-	-	-	5	-	-	-	-	23	

2.2.20 Overseas Traffic (Exports - 1995-96) By Country of Destination (Portwise-Commoditywise)

(In '000 Tonnes)

Country of Destination/Commodities	Kandla	Mumbai	J.L.	Moratu	N.Mangalore	Cochin	Tutic	Chennai	Vishakh	Paradip	Calcutta	Haaldia	Total
	:	:	:	:	:	:	:	:	:	:	:	:	:
1	2	3	4	5	6	7	8	9	10	11	12	13	14
IRON ORE	-	-	232	14805	6166	-	-	4951	3954	1665	-	-	31775
Japan	-	-	-	8446	1511	-	-	2575	3472	1276	-	-	17282
Korea (S)	-	-	-	1149	-	-	-	-	133	-	-	-	1262
West Indies	-	-	-	-	-	-	-	-	-	-	-	-	-
Romania	-	-	-	767	-	-	-	-	-	-	-	-	767
Italy	-	-	-	1133	-	-	-	-	-	-	-	-	1133
Pakistan	-	-	-	148	-	-	-	-	-	-	-	-	148
U.A.E.	-	-	-	103	-	-	-	-	-	-	-	-	103
Holland	-	-	-	655	-	-	-	-	-	-	-	-	655
Belgium	-	-	-	241	-	-	-	-	-	-	-	-	241
Korea (N)	-	-	-	-	-	-	-	-	-	-	-	-	-
Behraln	-	-	-	-	41	-	-	-	-	-	-	-	41
Australia	-	-	-	-	325	-	-	-	-	-	-	-	325
Iraq	-	-	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-	-	-	-
Turkey	-	-	-	89	525	-	-	-	-	-	-	-	614
Hungry	-	-	-	-	-	-	-	-	-	-	-	-	-
Czechoslovakia	-	-	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	1665	1439	-	-	566	349	87	-	-	4306
U.S.A.	-	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-	-	-	-
Jordan	-	-	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	1820	-	-	-	-	-	-	-	1820
Europe	-	-	-	-	-	-	-	-	-	-	-	-	-
Others	-	-	232	186	507	-	-	1610	-	302	-	-	3037

Note : Iron ore & Pellet in New Mangalore.

2.3.1 Passenger Traffic At Major Ports In India

(In '000)									
		Overseas			Coastal			Total	
Port/Year	Embarked	Disembarked	Total	Embarked	Disembarked	Total	Embarked	Disembarked	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
KANDLA									
1965-66	(a)	(a)	(a)	90.7	83.8	174.5	90.7	83.8	174.5
1970-71	-	-	-	29.7	29.9	59.6	29.7	29.9	59.6
1988-89					Traffic				
1989-90				No	Traffic				
1990-91				No	Traffic				
1991-92				No	Traffic				
1992-93				No	Traffic				
1993-94				No	Traffic				
1994-95				No	Traffic				
1995-96				No	Traffic				
MUMBAI									
1965-66	67.8	75.9	143.7	309.4	294.9	604.3	377.2	370.8	748.0
1970-71	50.7	52.9	103.6	248.7	230.9	479.6	299.4	283.8	583.2
1975-76	77.3	36.0	113.3	82.6	72.2	154.8	159.9	108.2	268.1
1980-81	17.9	20.9	38.8	121.8	116.1	237.9	139.7	137.0	276.7
1985-86	6.3	6.2	12.5	121.9	124.1	246.0	128.2	130.3	258.5
1986-87	5.1	3.5	8.6	123.9	123.2	247.1	129.0	126.7	255.7
1987-88	6.3	7.3	13.6	117.5	119.9	237.4	123.8	127.2	251.0
1988-89	6.3	7.0	13.3	11.6	9.8	21.4	17.9	16.8	34.7
1989-90	8.7	9.1	17.8	-	-	-	8.7	9.1	17.8
1990-91	5.8	9.1	14.9	-	-	-	5.8	9.1	14.9
1991-92	6.9	7.3	14.2	-	-	-	6.9	7.3	14.2
1992-93	10.3	9.0	19.3	-	-	-	10.3	9.0	19.3
1993-94	7.2	8.6	15.8	-	-	-	7.2	8.6	15.8
1994-95	7.0	12.9	19.9	31.3	26.3	57.6	38.3	39.2	77.5
1995-96	9.0	12.9	21.9	31.4	34.4	65.8	40.4	47.3	87.7

2.3.1 Passenger Traffic At Major Ports In India

(In '000)

Port/Year	Overseas		Coastal		Total	
	Emarked	Disembarked	Emarked	Disembarked	Emarked	Disembarked
(1)	(2)	(3)	(4)	(5)	(6)	(7)
(8)	(9)	(10)	(11)	(12)	(13)	(14)

JAWAHARLAL NEHRU

1990-91	No	Traffic				
1991-92	No	Traffic				
1992-93	No	Traffic				
1993-94	No	Traffic				
1994-95	No	Traffic				
1995-96	No	Traffic				

MORMUGAO

1965-66	0.4	1.3	1.7	10.1	9.6	19.7	10.5	10.9	21.4
1970-71	-	1.4	1.4	1.4	0.1	1.5	1.4	1.5	2.9
1975-76	-	0.2	0.2	-	-	-	-	0.2	0.2
1988-89	No	Traffic							
1989-90	No	Traffic							
1990-91	No	Traffic							
1991-92	No	Traffic							
1992-93	No	Traffic							
1993-94	No	Traffic							
1994-95	No	Traffic							
1995-96	No	Traffic							

2.3.1 Passenger Traffic At Major Ports In India

(In '000)									
		Overseas		Coastal		Total			
Port/Year	Emarked	Disembarked	Total	Emarked	Disembarked	Total	Emarked	Disembarked	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
NEW MANGALORE									
1988-89					No	Traffic			
1989-90					No	Traffic			
1990-91					No	Traffic			
1991-92					No	Traffic			
1992-93					No	Traffic			
1993-94					No	Traffic			
1994-95					No	Traffic			
1995-96					No	Traffic			
COCHIN									
1965-66	0.1	0.1	0.2	0.6	1.2	1.8	0.7	1.3	2.0
1970-71	0.0	0.0	0.0	1.3	3.1	4.4	1.3	3.1	4.4
1975-76	0.0	0.0	0.0	5.7	5.2	10.9	5.7	5.2	10.9
1980-81	0.0	0.1	0.1	5.9	7.6	13.5	5.9	7.7	13.6
1985-86	0.3	0.4	0.7	16.4	19.8	36.2	16.7	20.2	36.9
1986-87	0.6	0.7	1.3	17.2	18.6	35.8	17.8	19.3	37.1
1987-88	0.4	0.9	1.3	16.2	21.0	37.2	16.6	21.9	38.5
1988-89	0.0	0.0	0.0	21.4	20.5	41.9	21.4	20.5	41.9
1989-90	0.7	0.7	1.4	20.3	20.3	40.6	21.0	21.0	42.0
1990-91	1.3	1.4	2.7	19.3	21.1	40.4	20.6	22.5	43.1
1991-92	1.7	1.7	3.4	25.1	26.9	52.0	26.8	28.6	55.4
1992-93	4.4	4.3	8.7	28.1	27.4	55.5	32.5	31.7	64.2
1993-94	1.3	1.2	2.5	31.3	28.3	59.6	32.6	29.5	62.1
1994-95	1.8	1.7	3.5	30.7	26.5	57.2	32.5	28.2	60.7
1995-96	8.6	8.6	17.2	34.2	24.9	59.1	42.8	33.5	76.3

2.3.1 Passenger Traffic At Major Ports in India

(In '000)

Port/Year	Overseas			Coastal			Total		
	Embarked	Disembarked	Total	Embarked	Disembarked	Total	Embarked	Disembarked	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
CHENNAI									
1965-66	27.3	72.0	99.3	4.6	4.0	8.6	31.9	76.0	107.9
1970-71	24.7	35.4	60.1	8.9	8.0	16.9	33.6	43.4	77.0
1975-76	20.9	15.9	36.8	15.1	13.8	28.9	36.0	29.7	65.7
1980-81	15.2	14.4	30.6	19.8	19.0	38.8	36.0	33.4	69.4
1985-86	2.0	3.0	5.0	24.2	23.2	47.4	26.2	26.2	52.4
1986-87	2.3	3.7	6.0	27.0	24.3	51.3	29.3	28.0	57.3
1987-88	0.4	0.6	1.0	34.8	35.6	70.4	35.2	36.2	71.4
1988-89	0.6	0.5	1.1	37.2	34.2	71.4	37.8	34.7	72.5
1989-90	neg.	0.9	0.9	30.0	25.8	55.8	30.0	26.7	56.7
1990-91	neg.	0.1	0.1	31.3	27.6	58.9	31.3	27.7	59.0
1991-92	7.0	1.4	8.4	27.2	25.9	53.1	34.2	27.3	61.5
1992-93	6.4	0.9	7.3	34.3	32.6	66.9	40.7	33.5	74.2
1993-94	6.9	-	6.9	41.2	37.3	78.5	48.1	37.3	85.4
1994-95	10.1	-	10.1	38.2	32.4	70.6	48.3	32.4	80.7
1995-96	3.3	...	3.3	42.6	39.9	82.5	42.6	39.9	82.5
VISAKHAPATNAM									
1975-76	-	-	-	0.3	0.8	1.1	0.3	0.8	1.1
1980-81	-	0.7	0.7	1.0	1.2	2.2	1.0	1.9	2.9
1985-86	-	-	-	1.8	2.0	3.8	1.8	2.0	3.8
1986-87	-	-	-	4.5	4.8	9.3	4.5	4.8	9.3
1987-88	-	-	-	3.0	1.4	4.4	3.0	1.4	4.4
1988-89	-	-	-	1.3	1.1	2.4	1.3	1.1	2.4
1989-90	-	-	-	2.2	4.2	6.4	2.2	4.2	6.4
1990-91	-	-	-	7.6	7.9	15.5	7.6	7.9	15.5
1991-92	-	-	-	2.7	3.3	6.0	2.7	3.3	6.0
1992-93	-	-	-	2.5	1.8	4.3	2.5	1.8	4.3
1993-94	-	-	-	4.6	7.4	12.0	4.6	7.4	12.0
1994-95	-	-	-	3.6	4.8	8.4	3.6	4.8	8.4
1995-96	-	-	-	3.7	4.0	7.7	3.7	4.0	7.7

2.3.1 Passenger Traffic At Major Ports In India

(In '000)

		Overseas		Coastal		Total			
		:		:		:			
Port/Year	Emarked : Disembarked : Total	Emarked : Disembarked : Total	Emarked : Disembarked : Total	Emarked : Disembarked : Total	Emarked : Disembarked : Total	Emarked : Disembarked : Total	Emarked : Disembarked : Total		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
CALCUTTA/HALDIA									
1965-66	(a)	(a)	(a)	10.1	0.1	10.2	10.1	0.1	10.2
1970-71	0.6	0.6	1.2	9.1	8.0	17.1	9.7	8.6	18.3
1975-76	-	-	-	13.2	10.7	23.9	13.2	10.7	23.9
1980-81	-	-	-	14.6	11.0	25.6	14.6	11.0	25.6
1985-86	-	-	-	25.7	22.6	48.3	25.7	22.6	48.3
1986-87	-	-	-	24.4	22.2	46.6	24.4	22.2	46.6
1987-88	-	-	-	27.3	21.1	48.4	27.3	21.1	48.4
1988-89	-	-	-	22.2	19.6	41.8	22.2	19.6	41.8
1989-90	-	-	-	20.3	16.6	36.9	20.3	16.6	36.9
1990-91	-	-	-	12.3	11.6	23.9	12.3	11.6	23.9
1991-92	-	-	-	13.8	11.5	25.3	13.8	11.5	25.3
1992-93	-	-	-	21.6	19.1	40.7	21.6	19.1	40.7
1993-94	-	-	-	22.8	17.5	40.3	22.8	17.5	40.3
1994-95	-	-	-	20.5	18.4	38.9	20.5	18.4	38.9
1995-96	-	-	-	21.7	16.7	38.4	21.7	16.7	38.4
ALL MAJOR PORTS									
1965-66	95.6	158.9	254.5	425.5	393.6	819.1	521.1	552.5	1073.6
1970-71	76.0	90.3	166.3	299.1	280.0	579.1	375.1	370.3	745.4
1975-76	98.2	52.1	150.3	117.2	103.0	220.2	215.4	155.1	370.5
1980-81	34.1	36.1	70.2	163.1	154.9	318.0	197.2	191.0	388.2
1985-86	8.6	9.6	18.2	190.0	191.7	381.7	198.6	201.3	399.9
1986-87	8.0	7.9	15.9	197.0	193.1	390.1	205.0	201.0	406.0
1987-88	7.1	8.8	15.9	198.8	199.0	397.8	205.9	207.8	413.7
1988-89	6.9	7.5	14.4	93.7	85.2	178.9	100.6	92.7	193.3
1989-90	9.4	10.7	20.1	72.8	66.9	139.7	82.2	77.6	159.8
1990-91	7.1	10.6	17.7	70.5	68.2	138.7	77.6	78.8	156.4
1991-92	15.6	10.4	26.0	68.8	67.6	136.4	84.4	78.0	162.4
1992-93	21.1	14.2	35.3	86.5	80.9	167.4	107.6	95.1	202.7
1993-94	15.4	9.8	25.2	99.9	90.6	190.4	115.3	100.3	215.6
1994-95	18.9	14.6	33.5	124.3	108.4	232.7	143.2	123.0	266.2
1995-96	20.9	21.5	42.4	133.6	119.9	253.5	154.5	141.4	295.9

2.4.1 Number And Size Of Ships Performed

(GRT in '000)

Port	Year	Container		Break Bulk		Dry Bulk		Liquid Bulk		Lash		Ro-Ro		Total	
		No.	GRT	No.	GRT	No.	GRT	No.	GRT	No.	GRT	No.	GRT	No.	GRT
Kandla	1989-90	97	978	237	1588	108	1268	527	13216	-	-	9	243	978	17293
	1990-91	81	746	215	1713	113	1403	529	14570	-	-	8	226	946	18658
	1991-92	61	450	239	1941	110	1219	589	15441	-	-	5	186	1004	19237
	1992-93	79	617	208	1672	145	1779	611	16749	-	-	2	50	1045	20867
	1993-94	107	750	283	2211	208	1910	643	18224	-	-	-	-	1241	23095
	1994-95	104	827	425	2357	177	1763	684	18747	-	-	-	-	1390	23694
Mumbai	1995-96	106	886	251	2358	159	2008	789	20898	-	-	-	-	1305	26150
	1989-90	519	4547	679	4896	145	1541	645	13719	22	694	-	-	2010	25397
	1990-91	521	4480	676	5420	115	1290	634	14090	27	870	-	-	1973	26150
	1991-92	528	5430	654	5110	73	730	648	15320	25	810	-	-	1928	27400
	1992-93	652	6540	612	4850	151	1450	634	14890	20	650	-	-	2069	28380
	1993-94	653	6980	600	4780	129	1030	680	15220	32	1060	-	-	2094	29070
J.L. Nehru	1994-95	801	8370	681	5860	126	1090	694	16120	28	1050	-	-	2330	32490
	1995-96	776	8590	627	5310	108	750	747	16160	18	550	-	-	2276	31360
	1991-92	237	...	-	-	54	...	-	-	-	-	53	...	344	...
	1992-93	319	3503	10	79	39	966	2	18	-	-	56	1538	426	6104
	1993-94	300	4608	1	13	43	904	-	-	-	-	78*	2316	422	7841
	1994-95	388	2730	-	-	60	855	3	14	-	-	89\$	1017	540	4616
Mormugao	1995-96	357	5986	-	-	81	1894	14	190	-	-	94\$	3178	546	11248
	1989-90	3	40	29	284	182	7183	161	2856	6	226	-	-	401	10589
	1990-91	-	-	21	262	177	7642	237	3745	2	76	-	-	437	11725
	1991-92	-	-	16	124	178	7101	267	4281	-	-	-	-	461	11506
	1992-93	11	78	21	179	292	8397	307	4937	-	-	-	-	631	13591
	1993-94	22	134	42	382	325	9586	332	5735	-	-	-	-	721	15837
	1994-95	27	179	2	23	285	10006	327	5638	-	-	-	-	636	15846
	1995-96	21	129	7	53	313	10113	296	5014	-	-	-	-	637	15309

* Includes Naval And Other Ships.

\$ Includes car carrier & General ships.

2.4.1 Number And Size Of Ships Performed

(GRT in '000)

Port	Year	Container				Break Bulk				Dry Bulk				Liquid Bulk				Lash				Ro-Ro				Total			
		No.	GRT	No.	GRT	No.	GRT	No.	GRT	No.	GRT	No.	GRT	No.	GRT	No.	GRT	No.	GRT	No.	GRT	No.	GRT	No.	GRT	No.	GRT	No.	GRT
N. Mangalore	1989-90	12	35	116	322	161	3688	111	1478	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1990-91	11	32	135	1076	176	4051	135	1751	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1991-92	18	66	136	1161	189	4301	149	1973	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1992-93	18	53	143	1215	150	3700	142	1997	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1993-94	20	59	114	967	174	4573	174	2359	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1994-95	11	33	123	1068	179	4195	201	2816	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cochin	1989-90	258	1496	160	1500	26	498	233	5911	4	115	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1990-91	287	1339	154	1455	31	493	249	6231	7	206	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1991-92	250	1325	100	984	33	474	277	6883	10	295	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1992-93	227	1050	90	753	33	541	289	7422	3	86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1993-94	267	1469	90	675	31	356	263	6812	5	115	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1994-95	275	1652	59	402	34	376	294	8065	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuticorin	1989-90	138	670	225	871	168	3534	102	1424	5	142	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1990-91	193	680	228	850	160	3167	111	1383	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1991-92	167	590	224	1027	163	3446	141	1845	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1992-93	145	561	300	1080	174	3687	129	1808	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1993-94	171	734	336	1052	193	4371	104	1391	2	72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1994-95	165	873	352	1300	234	4950	125	1595	2	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chennai	1989-90	476	3726	276	2127	283	8971	437	19955	14	419	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1990-91	419	3726	285	1766	313	7967	484	10789	12	348	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1991-92	372	2779	222	1428	321	8299	481	10944	20	598	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1992-93	322	2278	226	1724	364	9151	480	11344	16	685	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1993-94	306	2543	232	1718	358	8482	460	11225	14	400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1994-95	327	3094	218	1639	378	9515	486	12663	15	429	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1995-96	423	3791	204	1614	443	10735	482	12206	15	428	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

2.4.1 Number And Size Of Ships Performed

(GRT in '000)

Port	Year	Container		Break Bulk		Dry Bulk		Liquid Bulk		Lash		Ro-Ro		Total	
		No.	GRT	No.	GRT	No.	GRT	No.	GRT	No.	GRT	No.	GRT	No.	GRT
Visakhapatnam	1989-90	17	103	107	794	357	9715	298	6975	9	257	-	-	788	17844
	1990-91	35	218	106	827	356	9390	312	6782	4	115	-	-	813	17332
	1991-92	44	204	67	571	398	10196	353	7575	8	235	-	-	870	18781
	1992-93	49	302	108	956	426	10063	363	8420	15	434	-	-	951	20175
	1993-94	50	334	186	1805	426	10421	370	9256	11	314	-	-	1043	22130
	1994-95	37	192	203	1990	484	11794	478	11611	7	200	-	-	1209	25787
	1995-96	40	271	280	2336	499	12417	490	12270	16	457	-	-	1325	27751
Paradip	1989-90	-	-	20	185	202	4293	22	316	14	400	-	-	258	5194
	1990-91	-	-	17	146	221	4965	26	438	12	349	-	-	276	5898
	1991-92	6	42	15	120	234	5146	64	990	10	295	-	-	329	6593
	1992-93	-	-	14	106	263	5890	71	1222	15	428	-	-	363	7646
	1993-94	-	-	5	47	293	6216	89	1556	15	428	-	-	402	8247
	1994-95	-	-	13	91	335	7529	118	1785	13	371	-	-	479	9776
	1995-96	-	-	6	60	357	8184	160	2319	18	561	-	-	541	11124
Calcutta	1989-90	149	863	441	2938	57	508	129	1174	14	400	-	-	790	5883
	1990-91	139	607	453	2859	31	343	154	1422	13	391	-	-	790	5622
	1991-92	109	604	399	2811	31	237	148	1291	14	447	-	-	701	5390
	1992-93	135	724	363	2506	39	378	216	2214	15	428	-	-	768	6250
	1993-94	204	1222	315	2129	19	206	201	2060	14	400	-	-	753	6077
	1994-95	222	1215	298	2241	10	104	211	2171	15	429	-	-	156	6160
	1995-96	246	1339	222	1651	18	164	306	3128	14	400	-	-	806	6682
Haldia	1989-90	73	585	14	119	182	4443	316	7376	-	-	-	-	585	12523
	1990-91	58	625	2	11	175	4277	346	8408	-	-	-	-	581	13321
	1991-92	47	488	9	72	206	4808	369	8700	-	-	-	-	631	14068
	1992-93	49	402	19	194	229	5462	412	9468	-	-	-	-	709	15526
	1993-94	57	463	35	375	236	5925	394	9693	-	-	-	-	722	16456
	1994-95	63	405	48	373	261	6533	412	11255	-	-	-	-	754	18566
	1995-96	44	259	42	358	273	6986	480	12900	-	-	-	-	839	20503

2.4.1 Number And Size Of Ships Performed

(GRT in '000)

Port	Year	Container		Break Bulk		Dry Bulk		Liquid Bulk		Lash		Ro-Ro		Total	
		No.	GRT	No.	GRT	No.	GRT	No.	GRT	No.	GRT	No.	GRT	No.	GRT
All Ports	1989-90	1814	12995	2188	15302	1732	41954	2890	72922	88	2653	12	243	8724	146069
	1990-91	1832	12421	2157	15309	1746	40937	3082	67859	77	2355	25	226	8919	139107
	1991-92	1776	11912	1945	14152	1801	41656	3337	73270	109	2950	58	186	9026	144126
	1992-93	2006	16108	2115	15314	2305	51464	3646	80489	84	2711	58	1588	10214	167674
	1993-94	2157	19356	2239	16154	2435	53980	3710	83531	93	2789	78	2316	10712	178126
	1994-95	2420	19570	2422	17344	2563	58710	4028	92480	80	2526	89	1017	11602	191647
	1995-96	2455	23795	2199	17002	2766	64946	4488	99303	81	2396	94	3178	12083	210620

2.4.2 Port-Wise Commodity-Wise Capacity

(in Million Tonnes)

Commodities	Calcutta	Maldia	Paradip	Visakhapatnam	Chennai	Tuticorin	Cochin	New Mangalore	Morva	Hubli	Kandla	J.T.	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
POI													
As on 31.3.95	2.40	8.50	-	11.50	8.50	1.10	8.50	1.00	1.50	18.00	17.00	-	78.00
As on 31.3.96	2.40	8.50	-	11.50	8.50	1.10	10.50	1.00	1.50	18.00	17.00	-	80.00
As on 31.3.97	3.12	8.50	0.70	11.50	8.50	1.10	10.50	7.50	1.50	21.00	21.00	-	94.92
Iron Ore													
As on 31.3.95	-	-	4.00	8.00	8.00	-	-	7.50	14.00	-	-	-	41.50
As on 31.3.96	-	-	4.00	8.00	8.00	-	-	7.50	14.00	-	-	-	41.50
As on 31.3.97	-	-	4.00	8.00	8.00	-	-	7.50	17.00	-	-	-	44.50
Coal													
As on 31.3.95	-	5.00	-	-	-	3.00	-	-	-	-	-	-	8.00
As on 31.3.96	-	5.00	-	-	-	3.00	-	-	-	-	-	-	8.00
As on 31.3.97	-	5.00	-	-	-	4.00	-	-	-	-	-	-	9.00
Fertilizer													
As on 31.3.95	-	1.80	2.00	0.35	-	-	0.40	-	-	-	0.50	2.90	7.95
As on 31.3.96	-	1.80	2.00	0.35	-	-	0.40	-	-	-	0.50	2.90	7.95
As on 31.3.97	-	-	1.10	0.55	-	-	0.60	-	-	-	0.50	2.90	5.65
Break-Bulk Cargo													
As on 31.3.95	2.80	1.43	1.65	3.50	3.65	2.00	1.40	1.50	0.80	7.55	3.30	-	29.58
As on 31.3.96	2.80	1.43	2.55	3.60	3.65	2.00	1.40	1.50	0.80	7.55	3.30	-	30.78
As on 31.3.97	2.60	3.90	5.10	11.40	6.90	2.50	1.40	1.45	0.68	5.30	2.50	3.50	47.23
Container													
As on 31.3.95	1.55	0.30	-	-	1.92	-	0.96	-	-	1.25	-	3.00	8.98
As on 31.3.96	1.55	0.30	-	-	1.92	-	0.96	-	-	1.25	-	3.00	8.98
As on 31.3.97	2.15	0.3	-	-	2.50	-	0.96	-	-	4.50	-	3.50	13.91
TOTAL													
As on 31.3.95	6.75	17.03	7.65	23.35	22.07	6.10	11.26	10.00	16.30	26.60	20.80	5.90	174.01
As on 31.3.96	6.75	17.03	8.55	23.65	22.07	6.10	13.26	10.00	16.30	26.80	20.80	5.90	177.21
As on 31.3.97	7.87	17.70	10.90	31.45	25.90	7.60	13.46	16.45	19.18	30.80	24.00	9.90	215.21

2.5.1 Container Handling Facilities - Portwise (1995-96)

Port	:No. of :Vessel		:Berths :Size		:Quay Side :Yard Gantry		:Toplift :Tractors		:Forklift	
	:		:(IN DWT)		:Gantry :		:Cranes :		:Trucks :	
CALCUTTA	3	20,000					3x35.5 T (RTG)	2x35 T 1x25 T	17	2(8 T) 32(2 T)
HALDIA	1	40,000			1x30 T		1x30 T (RAIL MOUNTED)	-	4	8
CHENNAI	3	20,000 TO 45,000			2x35.5 T (RTG) 2x40 T		4x35.5 T 4x40 T	2x35 T 3x25 T 2x40 T	33	6
COCHIN	2	10,000 TO 20,000			2x35.5 T		4x35.5 T (RTG)	4x35 T 2x5 T	2(20 T) 20(30 T)	37
J.N.P.T.	3	60,000			3x35.5 T		8x35.5 T (RTG) 1 RAIL MOUNTED	-	19	6
MUMBAI	7	42,000			2x35.5 T		3x35.5 T (RTG)	1x35 T 3x25 T	-	-

Source : All Major Ports/Administrative Reports

2.5.2 Container Traffic Handled At Major Ports

(In Million Tonnes)

Item	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1. Export										
i) Indian Lines	0.32	0.25	0.32	0.34	0.36	0.36	0.35	0.57	0.76	0.89
ii) Foreign Lines	2.27	2.59	2.64	3.18	3.32	3.28	3.21	5.29	7.04	8.27
iii) Total	2.59	2.84	2.96	3.52	3.68	3.64	3.56	5.86	7.80	9.16
2. Import										
i) Indian Lines	0.54	0.48	0.45	0.44	0.46	0.35	0.46	0.69	0.82	0.94
ii) Foreign Lines	2.12	2.57	2.75	3.38	3.56	2.73	3.60	5.35	6.39	7.34
iii) Total	2.66	3.05	3.20	3.82	4.02	3.08	4.06	6.04	7.21	8.28
3. Total										
i) Indian Lines	0.86	0.73	0.77	0.78	0.82	0.71	0.81	1.26	1.58	1.83
ii) Foreign Lines	4.39	5.16	5.39	6.56	6.88	6.01	6.81	10.64	13.43	15.61
iii) Total	5.25	5.89	6.16	7.34	7.70	6.72	7.62	11.90	15.01	17.44
4. General Cargo (Break Bulk & Container)	14.07	14.58	14.50	16.66	16.92	15.58	17.69	23.16	27.87	30.84
% Of Container Cargo to general cargo	37.3	40.4	42.5	44.1	45.5	43.1	43.1	51.4	53.9	56.5

Note : From 1992-93 onwards separate figures by Indian lines and Foreign lines for Import and Export data are not available and the figures are estimated on previous year ratios.

2.5.3 Container Cargo And Tare Weight Of Container
At Major Ports During 1995-96

	(000'Tonnes)		
	Container cargo	Tare weight	Container traffic
Kandla	818	143	961
Mumbai	6565	1061	7626
J.L.Nehru	3222	848	4070
Mormugao	19	5	24
N.Mangalore	-	-	-
Cochin	598	198	796
Tuticorin	611	147	758
Chennai	...	...	2309
Vizag	77	17	94
Calcutta	1544	270	1814
Haldia	43	8	51
Total	13497	2697	18503

Note:-(i) Total may not tally because of non-availability of break-up of Chennai Port
There was no container traffic at Paradip Port.

2.5.4 Reefer Container Traffic - 1995-96(P)

Port	Export				Import			
	: 20 ft Containers : TEUs :	40 ft Containers : Tonnes :	TEUs : Tonnes :	: 20 ft Containers : TEUs :	40 ft Containers : Tonnes :	TEUs : Tonnes :	: 20 ft Containers : TEUs :	
Calcutta	914	14624	608	5843	-	-	-	
Haldia	-	-	-	-	-	-	-	
Paradip	No Container Traffic							
Visakhapatnam	105	2061	2198	26616	-	-	-	
Chennai	...	...	...	...	...	...	...	
Tuticorin	351	5576	830	10753	-	-	-	
Cochin	1468	14680	3079	30790	-	-	-	
New Mangalore	No Container Traffic							
Mormugao	117	2221	422	6258	50	954	176	
J.L.Nehru	496	5952	6992	83904	98	1176	298	
Mumbai	864	12355	12352	156253	490	7987	832	
Kandla	210	4332	1886	19675	15	170	216	
Total	4525	61801	28367	340092	653	10287	1522	
							18730	

2.5.5 Trend Of Container Traffic Handled At Major Ports (Port-Wise)

(In '000 Tonnes)

Item	: Mandla	: Mumbai	: J.L.	: Mormu-	: M.Manga-	: Cochin	: Tutl-	: Chennai	: Visakha	: Paradip	: Calcutta	: Haldia	: Total
:	:	:	: Nehru	: gao	: lore	:	: corin	:	: patnas	:	:	:	:
1	2	3	4	5	6	7	8	9	10	11	12	13	14
EXPORT													
1990-91	344	1423	377	-	7	236	109	578	36	-	362	208	3680
1991-92	238	999	711	-	14	264	164	605	59	3	495	82	3634
1992-93	254	466	891	4	14	278	212	715	73	-	592	60	3559
1993-94	462	1750	1143	9	15	374	285	947	65	-	760	55	5865
1994-95	467	2605	1560	11	4	534	427	1097	77	-	928	59	7769
1995-96	595	2857	2208	13	-	641	478	1271	69	-	982	45	9158
IMPORT													
1990-91	158	2465	279	-	2	39	57	559	46	-	302	108	4015
1991-92	95	1553	603	-	2	30	38	398	20	-	309	33	3081
1992-93	105	2030	821	1	1	38	65	536	12	-	417	35	4061
1993-94	268	3349	933	2	-	49	120	629	16	-	639	33	6038
1994-95	331	3285	1369	2	4	165	226	922	49	-	833	24	7210
1995-96	366	3708	1862	6	-	155	280	1038	25	-	832	6	8278
TOTAL													
1990-91	502	3888	656	-	9	275	166	1137	82	-	664	316	7695
1991-92	333	2552	1314	-	16	294	202	1003	79	3	804	115	6715
1992-93	359	2496	1712	5	15	316	277	1251	85	-	1009	95	7620
1993-94	730	5099	2076	11	15	423	405	1576	81	-	1399	88	11903
1994-95	796	5920	2929	13	8	699	653	2019	126	-	1761	83	15009
1995-96	961	6565*	4070	18*	-	796	758	2309	94	-	1814	51	17437

* Exclude Tareweight

2.5.6 Container Traffic Handled at Major Ports (Type-Wise)

Type	KANDLA	MUMBAI	JAWAHARLAL NEHRU							
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
IMPORT	26616	25319	33586	225945	252657	284486	73524	91959	140556	
20'	20830	19107	27204	137229	142741	170076	46270	55003	80708	
40'	2893	3106	3191	44358	54958	57205	13627	18478	29924	
Stuffed	13232	17371	19098	151092	179900	209063	43431	59940	88918	
20'	10548	14183	15048	90794	99212	121157	30541	41078	52608	
40'	1342	1594	2025	30149	40344	43953	6445	9431	18155	
Empty	13384	7948	14488	74853	72757	75423	30093	32019	51638	
20'	10282	4924	12156	46435	43529	48919	15729	13925	28100	
40'	1551	1512	1166	14209	14614	13252	7182	9047	11769	
EXPORT	24526	25931	31138	212171	223413	230495	95258	130060	183985	
20'	19766	20261	26202	126517	139475	146291	57586	75222	108377	
40'	2380	2835	2468	42827	41969	42102	18836	27419	37804	
Stuffed	22949	24519	30093	197664	201406	212062	92048	122657	174267	
20'	19367	19849	26069	121666	133568	142676	56436	73347	105369	
40'	1791	2335	2012	37999	33919	34693	17806	24655	34449	
Empty	1577	1412	1045	14507	22007	18433	3210	7403	9718	
20'	399	412	133	4851	5907	3615	1150	1875	3008	
40'	589	500	456	4828	8050	7409	1030	2764	3355	

2.5.6 Container Traffic Handled at Major Ports (Type-Wise)

Type	KANDLA			MUMBAI			JAWAHARLAL NEHRU			
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1993-94 ; 1994-95 ; 1995-96 ; 1993-94 ; 1994-95 ; 1995-96 ; 1993-94 ; 1994-95 ; 1995-96										
TRANSHIPMENT										
20'	-	-	-	-	1514	10923	2552	4289	22051	14595
40'	-	-	-	-	784	10081	1488	2673	10957	7977
	-	-	-	-	365	421	532	808	5547	3309
Stuffed										
20'	-	-	-	-	1514	10923	2552	4289	22051	14595
40'	-	-	-	-	784	10081	1488	2673	10957	7977
	-	-	-	-	365	421	532	808	5547	3309
Empty										
20'	-	-	-	-	-	-	-	-	-	-
40'	-	-	-	-	-	-	-	-	-	-
TOTAL	51142	51250	51250	64724	427630	486993	517533	173071	244070	339136
20'	40596	39368	39368	53406	264530	292297	317855	106529	141182	197062
40'	5273	5941	5941	5659	81550	97348	99839	33271	51444	71037
Stuffed										
20'	36181	41890	41890	49191	338270	392229	423677	139768	204648	277780
40'	29915	34032	34032	41117	213244	242861	265321	89650	125382	165954
	3133	3929	3929	4037	62513	74684	79178	25059	39633	55913
Empty										
20'	14961	9360	9360	15533	89360	94764	93856	33303	39422	61356
40'	10681	5336	5336	12289	51286	49436	52534	16879	15800	31108
	2140	2012	2012	1622	19037	22664	20661	8212	11811	15124

2.5.6 Container Traffic Handled at Major Ports (Type-Wise)

Type	MORMUGAO			NEW MANGALORE			COCHIN		
	1993-94	1994-95	1995-96	1993-94	1994-95	1995-96	1993-94	1994-95	1995-96
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
IMPORT	493	888	1043	902	511	-	33806	40027	45665
20'	129	242	455	730	417	-	16490	18759	20049
40'	182	323	294	86	47	-	8658	10384	12808
Stuffed	54	446	640	214	205	-	4991	6982	9416
20'	40	188	316	64	111	-	2591	3302	5614
40'	7	129	162	75	47	-	1200	1590	1901
Empty	439	442	403	688	306	-	28815	33045	36249
20'	89	54	139	666	306	-	13899	15457	14435
40'	175	194	132	11	-	-	7458	8794	10907
EXPORT	351	846	1095	1022	1359	-	36695	45362	50308
20'	75	228	471	760	329	-	18679	22140	22764
40'	138	309	312	131	15	-	9008	11636	13772
Stuffed	345	772	916	815	251	-	35885	44487	49601
20'	69	224	450	743	251	-	18455	21785	22641
40'	138	274	233	36	-	-	8715	11326	13480
Empty	6	74	179	207	108	-	810	875	707
20'	6	4	21	17	78	-	224	355	123
40'	-	35	79	95	15	-	293	310	292

2.5.6 Container Traffic Handled at Major Ports (Type-Wise)

Type	MORMUGAO			NEW MANGALORE			COCHIN		
	1993-94	1994-95	1995-96	1993-94	1994-95	1995-96	1993-94	1994-95	1995-96
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
TRANSHIPMENT									
20'	-	-	-	-	-	-	318	1107	71
40'	-	-	-	-	-	-	140	465	31
Stuffed	-	-	-	-	-	-	89	321	20
20'	-	-	-	-	-	-	318	781	1
40'	-	-	-	-	-	-	140	367	1
Empty	-	-	-	-	-	-	89	207	-
20'	-	-	-	-	-	-	-	326	70
40'	-	-	-	-	-	-	-	98	30
TOTAL	1671	1734	2138	1819	1870	-	-	114	20
20'	473	470	926	1631	746	-	70819	86446	96044
40'	599	632	606	94	62	-	35309	41764	42844
Stuffed	935	1218	1556	791	456	-	17755	22342	26600
20'	297	412	766	783	362	-	41194	52200	59018
40'	319	403	395	4	47	-	21186	25954	28256
Empty	736	516	582	1028	414	-	10004	13124	15381
20'	176	58	160	848	384	-	29625	34246	37026
40'	280	229	211	90	15	-	14123	15810	14588
							7751	9218	11219

2.5.6 Container Traffic Handled at Major Ports (Type-Wise)

Type	TUTICORIN	CHENNAI	VISAKHAPATNAM						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
IMPORT	24501	28503	33970	81514	100920	114309	4547	5592	3843
20'	13821	14089	18310	47610	60688	65447	1919	2324	1649
40'	5340	7207	7830	16952	20116	24431	1314	1634	1097
Stuffed	5579	10656	15106	50708	76925	84702	476	2317	1061
20'	3895	6072	9644	30846	46953	51212	216	1405	851
40'	842	2292	2731	9931	14986	16745	130	456	105
Empty	18922	17847	18864	30806	23995	29607	4071	3275	2782
20'	9926	8017	8666	16764	13735	14235	1703	919	798
40'	4498	4915	5099	7021	5130	7686	1184	1178	992
EXPORT	23609	28497	34649	80591	98872	113177	4148	5553	4603
20'	13179	14079	17505	46845	58446	67049	1738	2459	1951
40'	5215	7209	8572	16873	20213	23064	1205	1547	1326
Stuffed	23186	27682	33392	79434	95613	109418	4029	4760	4133
20'	13064	13742	17228	46542	57527	66378	1711	1978	1749
40'	5061	6970	8082	16446	19043	21520	1159	1391	1192
Empty	423	815	1257	1157	3259	3759	119	793	470
20'	115	337	277	303	919	671	27	481	202
40'	154	239	490	427	1170	1544	46	156	134

2.5.6 Container Traffic Handled at Major Ports (Type-Wise)

Type	TUTICORIN			CHENNAI			VISAKHAPATNAM		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
TRANSHIPMENT									
20'	-	-	-	526	594	2	-	-	-
40'	-	-	-	414	232	2	-	-	-
	-	-	-	56	181	-	-	-	-
Stuffed									
20'	-	-	-	526	519	2	-	-	-
40'	-	-	-	414	217	2	-	-	-
	-	-	-	56	151	-	-	-	-
Empty									
20'	-	-	-	-	75	-	-	-	-
40'	-	-	-	-	15	-	-	-	-
	-	-	-	-	30	-	-	-	-
TOTAL	48110	57000	68619	162631	200386	227523#	8695	11145	8446
20'	27000	28168	35815	94869	119366	132498	3657	3783	3600
40'	10555	14416	16402	33881	40510	47495	2519	3181	2423
Stuffed									
20'	28765	38338	48498	130668	173057	194122	4505	7077	5194
40'	16959	19814	26872	77802	104697	117592	1927	2383	2600
	5903	9262	10813	26433	34180	38265	1289	1847	1297
Empty									
20'	19345	18662	20121	31963	27329	33366	4190	4068	3252
40'	10041	8354	8943	17067	14669	14906	1730	1400	1000
	4652	5154	5589	7448	6330	9230	1230	1334	1126

Note:- * There were 144, 140 and 166 containers of size 45' in 1993-94, 1994-95 and 1995-96 respectively and one container of 60' in 1994-95 which has been included in 20' containers.
Includes 35 TEUs of shifting

2.5.6 Container Traffic Handled at Major Ports (Type-Wise)

Type	PARADIP	HALDIA	CALCUTTA	ALL PORTS									
1993-94 ; 1994-95 ; 1995-96 ; 1993-94 ; 1994-95 ; 1995-96 ; 1993-94 ; 1994-95 ; 1995-96 ; 1993-84 ; 1994-95 ; 1995-96	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
IMPORT													
20'	NIL	2259	1795	642	48706	57158	62969	499557	605329	721069			
40'	NIL	1965	1268	336	31934	37218	39971	298239	352805	424205			
Stuffed		147	264	153	8386	9970	11499	100659	126487	148432			
20'	NIL	1487	1030	272	35981	45335	48671	283989	401107	476947			
40'	NIL	1469	949	240	26311	32133	32533	176627	246085	289223			
Empty		9	41	16	4835	6601	8069	53681	77511	93862			
20'	NIL	772	765	370	12725	11823	14298	215568	204222	244122			
40'	NIL	496	319	96	5623	5085	7438	121612	106720	134982			
EXPORT		138	223	137	3551	3369	3430	46978	48976	54570			
20'	NIL	3746	3950	3201	38301	54874	58343	529418	617667	710994			
40'	NIL	2618	2326	2015	32547	34864	37517	320310	369729	430142			
Stuffed		564	112	593	7377	10005	10413	104554	123969	140426			
20'	NIL	3672	3869	3015	34143	51666	56514	503170	577632	673411			
40'	NIL	2608	2291	1979	29675	32898	36956	310336	357460	42195			
Empty		532	89	518	6734	9384	9779	96417	110086	125958			
20'	NIL	74	81	186	4158	3208	1829	26248	40035	37583			
40'	NIL	10	35	36	2872	1966	561	9974	12269	8647			
		32	23	75	643	621	634	8137	13883	14468			

2.5.6 Container Traffic Handled at Major Ports (Type-Wise)

	PARADIP		HALDIA		CALCUTTA		ALL PORTS					
	1993-94	1994-95	1995-96	1993-94	1994-95	1995-96	1993-94	1994-95	1995-96			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
TRANSHIPMENT												
20'	NIL			6	-	-	-	-	-	6653	34675	17220
40'				6	-	-	-	-	-	4017	21735	9498
				-	-	-	-	-	-	1318	6470	3861
Stuffed												
20'	NIL			6	-	-	-	-	-	6653	34274	17150
40'				6	-	-	-	-	-	4017	21622	9468
				-	-	-	-	-	-	1318	6326	3841
Empty												
20'	NIL			-	-	-	-	-	-	-	401	70
40'				-	-	-	-	-	-	-	113	30
				-	-	-	-	-	-	-	144	20
TOTAL												
20'	NIL			6011	5745	3843	95707	112032	121312	1047606	1257671	1449318 #
40'				4589	3593	2351	62481	72082	77488	643664	743819	863845
				711	1076	746	15783	19975	21912	201971	256926	292719
Stuffed												
20'	NIL			5165	4899	3287	79124	97001	105185	805366	1013013	1167508
40'				4083	3239	2219	55986	65031	69489	511832	625167	720186
				541	830	534	11589	15985	17848	146767	193923	223661
Empty												
20'	NIL			846	846	556	16583	15031	16127	242240	244658	281775
40'				506	354	132	6495	7051	7999	131832	118652	143659
				170	246	212	4194	3990	4064	55204	63003	69058

Includes 35 TEUs of shifting in Chennai Port

Note : Total figures given for Import, Export, Transhipment for stuffed and empty containers are given in TEUs for all Major Ports.

2.5.7 Level of Containerisation in General Cargo
at various Major Ports 1994-95 and 1995-96

Ports	Container Cargo (000 tonnes)			General Cargo (Break Bulk + Container) (000 tonnes)			Percentage of Container Cargo to General Cargo		
	Export	Import	Total	Export	Import	Total	Export	Import	Total
	2	3	4	5	6	7	8	9	10
Kandla	1994-95 467	331	798	2106	1151	3257	22.2	28.8	24.5
	1995-96 595	366	961	2482	897	3379	24.0	40.8	28.4
Mumbai	1994-95 2635	3285	5920	2954	5893	8847	89.2	55.7	66.9
	1995-96 2857	3708	6565	4348	5978	10326	65.7	62.0	63.6
J.L.Nehru	1994-95 1560	1369	2929	1560	1369	2929	100.0	100.0	100.0
	1995-96 2208	1862	4070	2276	1862	4138	97.0	100.0	98.4
Mormugao	1994-95 11	2	13	28	2	30	39.3	100.0	43.3
	1995-96 13	6	19	70	10	80	18.6	60.0	23.8
New Mangalore	1994-95 4	4	8	269	409	678	1.5	1.0	1.2
	1995-96 -	-	-	252	326	578	-	-	-
Cochin	1994-95 534	165	699	598	463	1061	89.3	35.6	65.9
	1995-96 641	155	796	674	320	994	95.1	48.4	80.1
Tuticorin	1994-95 427	226	653	1117	793	1910	38.2	28.5	34.2
	1995-96 478	280	758	1223	725	1948	39.1	38.6	38.9
Chennai	1994-95 1097	922	2019	1729	1522	3251	63.4	60.6	62.1
	1995-96 1271	1038	2309	1921	1541	3462	66.2	67.4	66.7
Vishakhapatnam	1994-95 77	49	126	1526	310	1836	5.0	15.8	6.9
	1995-96 69	25	94	2087	274	2361	3.3	9.1	4.0
Paradip	1994-95 -	-	-	-	53	53	-	-	-
	1995-96 -	-	-	-	11	11	-	-	-
Calcutta	1994-95 928	833	1761	1646	1922	3568	56.4	43.3	49.4
	1995-96 982	832	1814	1847	1439	3286	53.2	57.8	55.2
Haldia	1994-95 59	24	83	218	233	451	27.1	10.3	18.4
	1995-96 45	6	51	256	25	281	17.6	24.0	18.1
TOTAL	1994-95 7799	7210	15009	13751	14120	27871	56.7	51.1	53.9
	1995-96 9159	8278	17437	17436	13408	30844	52.5	61.7	56.5

Note : Container cargo includes tareweight in respect of Kandla
Calcutta, Haldia, New Mangalore, Tuticorin, Cochin, JNPT and
Visakhapatnam. For tareweight figure see Table 2.5.3.

2.5.8 Commodity-Wise Break-Up of Container Cargo As Well As General Cargo And
Level Of Containerisation At Major Ports

Commodities	General Cargo (000T)										Level of Containerisation			
	Container		Total General		% Share of com-		% Share of com-		% of Container		Cargo to General Cargo			
	Cargo		Cargo		odities in Total		odities in Total		General		Col.2		Col.3	
					Cargo		Cargo		Cargo		Col.4		Col.5	
	1	2	3	4	5	6	7	8	9	10	11			
Imports														
1. Iron & Steel, Metal and Metal Products	1475	1245	3556	3276	25.3	19.4	29.2	29.3	41.5	36.0				
2. Chemicals	570	572	631	634	9.6	8.9	5.2	5.7	90.3	90.2				
3. Paper, Newsprints etc.	345	439	660	685	5.9	6.8	5.6	6.1	50.7	64.1				
4. Foodgrains & other Cereals	121	193	189	235	2.1	3.0	1.6	2.1	64.0	82.1				
5. Plastic and its products	422	443	462	501	7.2	6.9	3.8	4.5	91.3	85.4				
6. Machinery/Instruments and Transport equip.	193	297	361	495	3.3	4.6	3.1	4.4	50.6	60.0				
7. Textiles, Yarn, Cotton etc.	102	139	169	144	1.7	2.2	1.4	1.3	60.4	96.5				
8. Rubber and its products	104	126	107	132	1.6	2.0	0.9	1.2	97.2	97.0				
9. Oilseeds	19	72	19	72	0.3	1.1	0.2	0.6	100.0	100.0				
10. Wood	29	81	63	117	0.5	1.3	0.5	1.0	46.0	69.2				
11. Others	2452	2801	5919	4908	42.1	43.6	46.5	43.8	41.4	57.1				
Total Imports*	5632	6410	12176	11199	100.0	100.0	100.0	100.0	47.9	57.2				
ALL MAJOR PORTS	7210	8278	14120	13408					51.1	61.7				

* Total import figure includes data for 8 Major Ports of Mumbai, Madras, Calcutta, Haldia, Kandla, Cochin, Tuticorin and Visakhapatnam. For other Ports, commodity-wise break-up of container cargo is not available.

2.5.9 Commodity-Wise Break-Up Of Container Cargo As Well As General Cargo And
Level Of Containerisation At Major Ports (Port-Wise)

PORT : KANDLA

Commodities	General Cargo (000T)										
	Container Cargo			Total General Cargo			% Share of commodities in Total			Level of Containerisation	
	1994-95	1995-96	1994-95	1995-96	1994-95	1995-96	1994-95	1995-96	1994-95	1995-96	
1	2	3	4	5	6	7	8	9	10	11	
EXPORT											
1. Textiles, Cotton, Yarn etc.	6	4	6	4	1.3	0.7	0.3	0.2	100.0	100.0	
2. Metal & Metal products	3	3	3	3	0.6	0.5	0.1	0.1	100.0	100.0	
3. Tea & Coffee	neg.	-	neg.	-	0.0	0.0	0.0	0.0	-	-	
4. Foodgrains and other Cereals.	226	151	847	1795	46.4	25.4	40.2	72.3	26.7	8.4	
5. Fish, shrimps and other marine products	32	24	32	24	6.9	4.0	1.5	1.0	100.0	100.0	
6. Fodder	45	3	45	4	9.6	0.5	2.2	0.2	100.0	75.0	
7. Fruits & Vegetables.	10	-	10	-	2.2	0.0	0.5	0.0	100.0	-	
8. Spices	2	2	2	2	0.4	0.3	0.1	0.1	100.0	100.0	
9. Hosiery, Harberdasherry and Millinery.	2	5	2	5	0.4	0.9	0.1	0.2	100.0	100.0	
10. Machinery, Instruments Transport equipments.	10	15	13	15	2.1	2.5	0.6	0.6	76.9	100.0	
11. Drugs and Medicines.	neg.	-	neg.	-	0.0	0.0	0.0	0.0	-	-	
12. Dyes and Colours.	neg.	-	neg.	-	0.0	0.0	0.0	0.0	-	-	
13. Oil seeds, fats etc.	54	34	74	38	11.6	5.7	3.5	1.5	73.0	89.5	
14. Chemicals	9	15	9	15	1.9	2.5	0.4	0.6	100.0	100.0	
15. Others	68	339	1063	577	14.6	57.0	50.5	23.2	6.4	58.6	
Total Export	467	595	2106	2482	100.06	100.06	100.06	100.00	22.2	24.0	

POST : KANDLA

2.5.9 Commodity-Wise Break-Up of Container Cargo as well as General Cargo and Level of Containerisation At Major Ports (Port-Wise)

Commodities	General Cargo (000T)										Level of Containerisation			
	Container Cargo		Total General Cargo		% Share of commodities in Total		% Share of General Cargo		% of container Cargo to General Cargo					
	1	2	3	4	5	6	7	8	9	10	11			
----- x100 ----- x100														
1994-95 1995-96 1994-85 1995-96 1994-95 1995-96 1994-85 1995-96 Col.4 Col.5														
1994-95 1995-96 1994-85 1995-96 1994-95 1995-96 1994-85 1995-96														
IMPORT														
1. Iron & Steel	126	113	360	328	38.1	30.9	31.3	36.7	35.0	34.3				
2. Metal & Metal Products.	40	12	40	12	12.1	3.3	3.5	1.3	100.0	100.0				
3. Chemicals	9	4	9	4	2.7	1.1	0.8	0.5	100.0	100.0				
4. Paper, Newsprints etc.	3	1	3	1	0.9	0.3	0.3	0.1	100.0	100.0				
5. Plastic & its products	56	59	78	105	16.9	16.1	6.8	11.7	71.8	56.2				
6. Machinery/Instrument and Transport equipments.	11	3	72	73	3.3	0.8	6.2	8.1	15.3	4.1				
7. Textiles,cotton,yarn etc.	2	2	2	2	0.6	0.5	0.2	0.2	100.0	100.0				
8. Hair and wool	neg.	-	neg.	-	-	-	-	-	-	-				
9. Rubber and its products.	neg.	1	neg.	1	-	0.3	-	0.1	-	100.0				
10.Oil, fats etc.	7	-	7	-	2.1	-	0.6	-	-	-				
11.Woodpulp.	-	-	-	-	-	-	-	-	-	-				
12.Foodgrains & other cereals.	6	1	13	13	1.8	0.3	1.1	1.5	46.2	7.7				
13.Industrial alcohol & sprits(non-potable)	-	-	-	-	-	-	-	-	-	-				
14.Drugs & Medicine.	-	-	-	-	-	-	-	-	-	-				
15.Fertilizers	-	-	24	-	-	-	2.1	-	-	-				
16.Fertilizers Raw Material	-	-	-	-	-	-	-	-	-	-				
17.Others	71	170	543	357	21.5	46.4	47.1	39.8	13.1	47.6				
Total Imports	331	366	1151	897	100.0	100.0	100.0	100.0	26.6	40.8				

Col.4 Col.5
----- x100 ----- x100

2.5.9 Commodity-Wise Break-Up Of Container Cargo As Well As General Cargo And
Level Of Containerisation At Major Ports (Port-Wise)

PORT : MUMBAI

Commodities	General Cargo (000T)										Level of Containerisation	
	Container Cargo		Total General Cargo		% Share of commodities in Total		% Share of commodities in Total		% of container		Cargo to General Cargo Col.2 Col.3	
					Container Cargo		General Cargo		Col.4 Col.5			
	1994-95	1995-96	1994-95	1995-96	1994-95	1995-96	1994-95	1995-96	1994-95	1995-96		
1	2	3	4	5	6	7	8	9	10	11		
EXPORT												
1. Textiles,Cotton,Yarn etc.	136	94	152	102	5.2	3.3	5.1	2.3	90.1	92.2		
2. Metal & Metal products	180	185	192	226	6.8	6.5	6.5	5.2	93.8	81.8		
3. Tea & Coffee	12	24	13	24	0.5	0.8	0.4	0.6	92.3	100.0		
4. Foodgrains and other Cereals.	166	73	168	117	6.4	2.6	5.7	2.7	100.0	62.4		
5. Fish,shrimps and other marine products	2	3	2	3	0.1	0.1	0.1	0.1	100.0	100.0		
6. Fodder	142	220	142	458	5.4	7.7	4.8	10.5	100.0	48.0		
7. Fruits & Vegetables.	231	183	363	305	8.8	6.4	12.3	7.0	63.6	60.0		
8. Spices	31	40	38	52	1.2	1.4	1.3	1.2	81.6	76.9		
9. Hosiery, Marberdasherry and Millinary.	96	100	109	106	3.6	3.5	3.7	2.4	88.1	94.3		
10. Machinery,Instruments Transport equipments.	99	58	110	60	3.7	2.0	3.7	1.4	90.0	93.3		
11.Druga and Medicines.	49	51	49	53	1.9	1.8	1.7	1.2	100.0	96.2		
12.Dyes and Colours.	52	40	56	42	2.0	1.4	1.9	1.0	92.9	95.2		
13.Oil seeds,fats etc.	29	5	29	6	1.1	0.2	1.0	0.1	100.0	83.3		
14.Chemicals	140	164	149	164	5.3	5.7	5.0	3.8	94.0	100.0		
15.Others	1266	1619	1382	2630	48.0	56.6	46.8	60.5	91.6	61.6		
Total Export	2635	2657	2954	4346	100.0	100.0	100.0	100.0	89.2	65.7		

2.5.9 Commodity-Wise Break-Up Of Container Cargo As Well As General Cargo And
Level Of Containerisation At Major Ports (Port-Wise)

PORT : MUMBAI

Commodities	General Cargo (000T)										Level of Containerisation		
	Container Cargo		Total General Cargo		% Share of commodities in Total		% Share of commodities in Total		% of container Cargo to General Cargo				
					Container Cargo		General Cargo		Col.2 Col.3				
									----- x100 ----- x100				
	1	2	3	4	5	6	7	8	9	10	11		
1994-95 1995-96 1994-95 1995-96 1994-95 1995-96 1994-95 1995-96 1994-95 1995-96													
Col.4 Col.5													
1994-95 1995-96													
IMPORT													
1. Iron & Steel	616	519	1622	1736	16.8	14.0	30.9	29.0	33.6	29.9			
2. Metal & Metal Products.	431	311	649	539	13.1	8.4	11.0	9.0	66.4	57.7			
3. Chemicals	395	379	446	427	12.0	10.2	7.6	7.2	89.6	86.8			
4. Paper, Newsprints etc.	283	361	574	560	6.6	9.7	9.7	9.7	49.3	62.2			
5. Plastic & its products	287	294	304	305	8.7	7.9	5.2	5.1	94.4	96.4			
6. Machinery/Instrument and Transport equipments.	115	195	206	289	3.5	5.3	3.5	4.6	55.8	67.5			
7. Textiles,cotton,yarn etc.	51	95	103	97	1.6	2.6	1.8	1.6	49.5	97.9			
8. Hair and wool	3	-	3	-	0.1	-	0.1	-	100.0	-			
9. Rubber and its products.	57	67	59	70	1.7	1.8	1.0	1.1	96.6	95.7			
10.Oil, fats etc.	12	72	12	72	0.4	2.0	0.2	1.2	100.0	100.0			
11.Woodpulp.	18	71	16	71	0.5	1.9	0.3	1.2	100.0	100.0			
12.Foodgrains & other cereals.	85	167	85	167	2.6	4.5	1.4	2.6	100.0	100.0			
13.Industrial alcohols & spirits(non-potable)	2	1	8	1	0.1	neg.	0.1	neg.	25.0	100.0			
14.Drugs & Medicine.	16	5	19	5	0.5	0.1	0.3	0.1	84.2	100.0			
15.Fertilizers	12	34	12	34	0.4	0.9	0.2	0.6	100.0	100.0			
16.Fertilizers Raw Material	-	261	-	261	-	7.0	-	4.4	-	100.0			
17.Others	902	876	1573	1324	27.4	23.7	26.7	22.2	57.3	66.2			
Total Imports	3285	3708	5893	5976	100.0	100.0	100.0	100.0	55.7	62.0			

2.5.9 Commodity-Wise Break-Up Of Container Cargo As Well As General Cargo And
Level Of Containerisation At Major Ports (Port-Wise)

PORT : COCHIN

Commodities	General Cargo (000T)										Level of Containerisation	
	Container Cargo		Total General Cargo		% Share of com- odities in Total		% Share of com- odities in Total		% of container Cargo to General Cargo			
	1994-95	1995-96	1994-95	1995-96	1994-95	1995-96	1994-95	1995-96	1994-95	1995-96	Col.4	Col.5
1	2	3	4	5	6	7	8	9	10	11		
EXPORT												
1. Textiles, Cotton, Yarn etc.	43	29	43	29	8.1	4.5	7.2	4.3	100.0	100.0		
2. Tea & Coffee	139	184	144	186	26.0	28.7	24.1	27.6	96.5	96.9		
3. Fish, shrimps and other marine products.	87	84	87	84	16.3	13.1	14.5	12.5	100.0	100.0		
4. Spices	39	31	39	31	7.3	4.8	6.5	4.6	100.0	100.0		
5. Cashew kernels	39	37	39	37	7.3	5.8	6.5	5.5	100.0	100.0		
6. Chemicals	23	23	24	23	4.3	3.6	4.0	3.4	95.8	100.0		
7. Coir Products	43	45	44	45	8.1	7.0	7.4	6.7	97.7	100.0		
8. Others.	121	208	178	239	22.6	32.5	29.8	35.4	68.0	87.0		
Total Export	534	641	598	674	100.0	100.0	100.0	100.0	89.3	95.1		

2.5.8 Commodity-Wise Break-Up Of Container Cargo As Well As General Cargo And
Level Of Containerisation At Major Ports (Port-Wise)

PORT : COCHIN

Commodities	General Cargo (000T)										Level of Containerisation	
	Container	Total General	Cargo	% Share of commodities in Total			% Share of commodities in Total			% of container		
	Cargo	Cargo	Container	Cargo	General	Cargo	General	Cargo to General Cargo	Col.2	Col.3		
											Col.4	Col.5
	1994-95	1995-96	1994-95	1995-96	1994-95	1995-96	1994-95	1995-96	1994-95	1995-96		
1	2	3	4	5	6	7	8	9	10	11		
IMPORT												
1. Iron & Steel Metal & Metal Products.	5	19	6	22	3.0	12.3	1.3	6.9	83.3	86.4		
2. Chemicals.	3	4	10	7	1.6	2.6	2.2	2.2	30.0	57.1		
3. Paper, Newsprints etc.	1	1	1	26	0.6	0.6	0.2	8.1	100.0	3.6		
4. Machinery	1	3	1	3	0.6	1.9	0.2	0.9	100.0	100.0		
5. Rubber and its products.	18	12	18	12	10.9	7.6	3.9	3.8	100.0	100.0		
6. Cashew nuts	-	-	5	10	-	-	1.1	3.1	-	-		
7. Other	137	116	422	240	83.1	74.6	91.1	75.0	32.5	48.3		
Total Imports	165	155	463	320	100.0	100.0	100.0	100.0	35.6	48.4		

2.5.9 Commodity-Wise Break-Up Of Container Cargo As Well As General Cargo And
Level Of Containerisation At Major Ports (Port-Wise)

PORT : TUTICORIN

Commodities	General Cargo (000T)										Level of Containerisation	
	Container Cargo		Total General Cargo		% Share of commodities in Total Container Cargo		% Share of commodities in Total General Cargo		% of container Cargo to General Cargo			
	1994-95	1995-96	1994-95	1995-96	1994-95	1995-96	1994-95	1995-96	1994-95	1995-96	Col.2	Col.3
1	2	3	4	5	6	7	8	9	10	11		
EXPORT												
1. Cotton Yarn, etc.	52	71	52	71	12.2	14.9	4.7	5.8	100.0	100.0		
2. Tea & Coffee	24	17	25	17	5.6	3.8	2.2	1.4	96.8	96.8		
3. Frozen Cargo	14	14	14	14	3.3	2.9	1.3	1.1	100.0	100.0		
4. Garnet Sand	-	24	14	39	-	5.0	1.3	3.2	-	-		
5. Cashew Kernels	34	35	34	35	7.9	7.3	3.0	2.9	100.0	100.0		
6. Others.	303	317	978	1047	71.0	66.3	87.5	85.6	31.0	30.3		
Total Export	427	478	1117	1223	100.0	100.0	100.0	100.0	38.2	39.1		
IMPORT												
1. Iron & Steel Metal & Metal Products	-	-	-	-	-	-	-	-	-	-		
2. Raw Cashew	48	48	228	210	21.2	17.1	28.8	29.0	21.1	22.9		
3. Others	176	232	565	515	76.8	82.9	71.2	71.0	31.5	45.0		
Total Imports	226	280	793	725	100.0	100.0	100.0	100.0	28.5	38.6		

PORT : CHENNAI

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2.5.9 Commodity-Wise Break-Up Of Container Cargo As Well As General Cargo And
Level Of Containerisation At Major Ports (Port-Wise)

PORT : CHENNAI

Commodities	General Cargo (000T)										Level of Containerisation	
	Container Cargo		Total General Cargo		% Share of commodities in Total Container Cargo		% Share of commodities in Total General Cargo		% of container Cargo to General Cargo			
	1994-95	1995-96	1994-95	1995-96	1994-95	1995-96	1994-95	1995-96	1994-95	1995-96	Col.2	Col.3
1	2	3	4	5	6	7	8	9	10	11		
IMPORT												
1. Iron & Steel Metal & Metal Products	139	152	421	429	15.1	14.6	27.7	27.8	33.0	35.4		
2. Chemicals	97	117	100	128	10.5	11.3	6.6	8.3	97.0	91.4		
3. Paper, Paper products etc.	58	76	102	78	6.3	7.3	6.7	5.1	56.9	97.4		
4. Wheat Flour, other cereals & products	30	25	91	55	3.2	2.4	6.0	3.6	33.0	45.5		
5. Plastic & its' products	79	90	80	91	8.6	8.7	5.2	5.9	98.8	98.9		
6. Machinery/Instruments and Transport equipments	66	96	102	130	7.2	9.2	6.7	8.4	64.7	73.8		
7. Textiles, Cotton, Hair and Wool etc.	49	42	64	45	5.3	4.1	4.2	2.9	76.6	93.3		
8. Rubber and its products	29	48	30	49	3.1	4.6	2.0	3.2	96.7	98.0		
9. Wood Pulp	11	10	45	46	1.2	1.0	2.9	3.0	24.4	21.7		
10. Drugs & Medicines	9	10	10	10	1.0	1.0	0.6	0.6	90.0	100.0		
11. Plantation commodities	21	14	21	14	2.3	1.3	1.4	0.9	100.0	100.0		
12. Others	334	358	456	466	36.2	34.5	30.0	30.3	73.2	76.8		
Total Imports	922	1038	1522	1541	100.0	100.0	100.0	100.0	60.6	67.4		

POHT : VISAKHAPATNAM

2.5.8 Commodity-Wise Break-Up Of Container Cargo As Well As General Cargo And Level Of Containerisation At Major Ports (Port-Wise)

Commodities	General Cargo (000T)										Level of Containerisation		
	Container		Total General Cargo		% Share of commodities in Total Container		% Share of commodities in Total General Cargo		% of container Cargo to General Cargo				
	Cargo		Cargo		Cargo		Cargo		Col.1	Col.2	Col.3		
	1984-85	1985-86	1984-85	1985-86	1984-85	1985-86	1984-85	1985-86	1984-85	1985-86	1985-86		
	1	2	3	4	5	6	7	8	9	10	11		
EXPORT													
1. Shrimps/Reefer Cargo	36	29	38	29	48.3	42.6	2.5	1.4	100.0	100.0			
2. Alumina Ingots	34	24	52	38	44.2	35.3	3.4	1.8	65.4	63.2			
3. Others	5	15	1436	2020	6.5	22.1	94.1	96.6	0.3	0.7			
Total Exports	77	68	1526	2087	99.8	100.0	100.0	100.0	5.0	3.3			
IMPORT													
Total Imports	49	25	310	274	100.0	100.0	100.0	100.0	15.8	9.1			

2.5.9 Commodity-Wise Break-Up Of Container Cargo As Well As General Cargo And
Level Of Containerisation At Major Ports (Port-Wise)

PORT : NALDIA

Commodities	General Cargo (000T)										Level of Containerisation	
	Container Cargo		Total General Cargo		% Share of commodities in Total Container Cargo		% Share of commodities in Total General Cargo		% of container Cargo to General Cargo			
	1994-95	1995-96	1994-95	1995-96	1994-95	1995-96	1994-95	1995-96	1994-95	1995-96	Col.2	Col.3
1	2	3	4	5	6	7	8	9	10	11		
EXPORT												
1. Tea & Coffee	30	31	30	32	50.8	68.9	13.8	12.5	100.0	96.9		
2. Jute & Jute Products	10	2	10	2	17.0	4.4	4.6	0.8	100.0	100.0		
3. Cast Iron goods	1	-	1	-	1.7	0.0	0.5	0.0	100.0	-		
4. Mica	4	-	4	-	6.8	0.0	1.8	0.0	100.0	-		
5. Others	14	12	173	222	23.7	26.7	79.3	86.7	8.1	5.4		
Total Export	59	45	218	256	100.0	100.0	100.0	100.0	27.1	17.6		
IMPORT												
1. Iron & Steel, Metal & its Products	14	4	14	5	58.3	66.7	6.0	20.0	100.0	80.0		
2. Chemicals	-	-	-	-	-	-	-	-	-	-		
3. Machinery	-	-	-	-	-	-	-	-	-	-		
4. Others	10	2	219	20	41.7	33.3	94.0	80.0	4.6	10.0		
Total Import	24	6	233	25	100.0	100.0	100.0	100.0	10.3	24.0		

PORT : CALCUTTA

2.5.9 Commodity-Wise Break-Up Of Container Cargo As Well As General Cargo And
Level Of Containerisation At Major Ports (Port-Wise)

Commodities	General Cargo (000T)										Level of Containerisation		
	Container Cargo		Total General Cargo		% Share of commodities in Total		% Share of commodities in Total		% of Container Cargo to General Cargo				
					Container Cargo		General Cargo		Col.2 Col.3				
									-----x100-----x100				
	1994-95	1995-96	1994-95	1995-96	1994-95	1995-96	1994-95	1995-96	Col.4	Col.5	1994-95	1995-96	
1	2	3	4	5	6	7	8	9	10	11			
EXPORT													
1. Tea & Coffee	80	69	89	68	8.6	7.0	5.4	3.7	89.9	100.0			
2. Jute & Jute Products	138	132	201	226	14.9	13.4	12.2	12.4	66.7	57.9			
3. Cast Iron Goods	112	109	174	128	12.0	11.1	10.6	6.9	64.4	85.2			
4. Mica	22	30	22	30	2.4	3.1	1.3	1.6	100.0	100.0			
5. Iron & Steel Machinery	139	179	336	373	15.0	16.2	20.4	20.2	41.4	48.0			
6. Others	437	463	824	1019	47.1	47.2	50.1	55.2	53.0	45.4			
Total Export	928	982	1646	1847	100.0	100.0	100	100.0	56.4	53.2			
IMPORT													
1. Iron & Steel Machinery	104	115	244	204	12.5	13.6	12.7	14.2	42.6	56.4			
2. Chemicals	66	66	66	68	7.9	8.2	3.4	4.7	100.0	100.0			
3. Others	663	649	1612	1187	79.6	76.0	83.9	81.1	41.1	55.6			
Total Import	833	832	1922	1439	100.0	100.0	100.0	100.0	43.3	57.8			

2.5.10 Inland Container Movement - 1995-96 (P)

Port	Incoming To Port				Outgoing From Port				Total
	TEUs :	By Rail :	TEUs :	By Road :	TEUs :	By Rail :	TEUs :	By Road :	
	TEUs :	Tonnes :	TEUs :	Tonnes :	TEUs :	Tonnes :	TEUs :	Tonnes :	TEUs : Tonnes
Calcutta	248	4467	50548	741024	122	2054	47923	552991	98841 1300536
Haldia	2440	34918	3386	37773	493	1134	815	7711	7134 81536
Paradip									
Visakhapatnam	475	...	1077	...	240	...	641	...	2433 ...
Chennai	13825	159678	99260	1110952	9789	112118	104446	925491	227320 2308239
Tuticorin	345	630	15548	147287	537	5649	14761	79062	31191 232628
Cochin	7046	70564	43262	570436	1000	6363	44665	148637	95973 796000
New Mangalore									
Morugao	-	-	40	...	-	-	37	...	77 ...
J.L.Nehru	38543	463716	...	...	30103	313974	...	...	68746 777690
Mumbai	34348	453313	1875	26056	38830	499171	1748	21845	76801 1000385
Kandla	3315	28101	66	548	3099	7694	92	360	6572 36703
Total	100685	1215387	215062	2634076	84213	948157	215128	1736097	615088 6533717

Source : Major Ports

Note : Total Inland Container Movement may not tally with total Container Traffic at port because in some ports stuffing and destuffing is done inside the port area and empty containers are also stacked inside the port premises.

2.5.11 Inland Container Depot Movement Of Containers At Major Ports

(TEUs)

PORT	1994-95				1995-96			
	Moved in	Moved out	Total	Container: Traffic	Moved in	Moved out	Total	Container Traffic
Calcutta	-	-	-	112032	248	122	370	121312
Haldia	2254	3219	5473	5745	2440	493	2933	3843
Paradip	-	-	-	-	-	-	-	-
Visakhapatnam	899	1161	2060	11145	1472	883	2355	8446
Chennai	11410	6496	17906	200386	13825	9789	23614	227523
Tuticorin	-	-	-	57000	-	-	-	68619
Cochin	6746	956	7702	86446	7857	1046	8902	96044
New Mangalore	-	-	-	870	-	-	-	-
Mormugao	-	-	-	1734	-	-	-	2138
J.L.Nehru	24230	17925	42155	244070	38643	31417	70060	339136
Mumbai	32570	22782	55352	486993	39102	32706	71808	517533
Kandla	864	1925	2789	51250	3380	3191	6571	64724
All Ports	78973	54464	133437	1257671	106967	79646	186613	1449318

Source : Adm . Report

2.5.12 Container Handling Rate - 1995-96 (P)

Port	: Quay Side Gantry Crane :				: Rail Mounted Gantry Crane :			
	: Age of	: No of container per	: Age of	: No of container per	: Age of	: No of container per	: Age of	: No of container per
	: Idle Time	: Worked hr	: actual	: idle time	: Worked hr	: actual	: idle time	: Worked hr
	:	:	:	:	:	:	:	:
	:	:	:	:	:	:	:	:
Calcutta	...	4.4	...	-	-	-	-	35.0
Haldia	-	-	-	-	4.4	...	...	35.0
Paradip	No Container Traffic							
Vishakhapatnam	-	-	-	97.5	0.24	9.8	-	-
Chennai	38.5	10.4	16.9	-	-	-	-	-
Tuticorin	-	-	-	-	-	-	-	-
Cochin	18.0	13.0	16.0	-	-	-	-	-
New Mangalore	No Container Traffic							
Mormugao	-	-	-	-	-	-	-	-
J.L.Nehru	2.7	12.5	12.8	4.7	3.7	3.9	-	-
Mumbai	23.7	8.4	10.9	-	-	-	-	-
Kandla	...	...	...	...	...	...	...	...

Note :

Number of Container per worked hour = Total Containers Handled/

Number of Container per actual worked hour = Total Containers Handled/

Total no. of equipment hours actually worked (Total no. of equipment hrs. worked - idle time)

Note: In respect of Cochin, Visakhapatnam, Calcutta & Haldia, No. of containers given are in TEU's.

2.5.13 Availability And Utilisation Of Container Handling Equipments - 1995-96

(Percentage)

PORT	Quay Side Gantry Crane			R.T. Gantry Crane			Rail Mounted G. Crane		
	No. % available- bilty	Utilisation of Available Hrs.	Possible Hrs.	No. % available- bilty	Utilisation of Available Hrs.	Possible Hrs.	No. % available- bilty	Utilisation of Available Hrs.	Possible Hrs.
Calcutta	-	-	-	3	54.1	67.3	36.4	-	-
Haldia	1	91.3	44.3	40.4	-	-	-	1	93.1
Paradip	No Container Traffic								
Visakhapatnam	-	-	-	-	-	-	-	2	95.5
Chennai	4	89.6	48.1	43.1	8	83.6	50.7	42.4	-
Tuticorin	-	-	-	-	-	-	-	-	-
Cochin	2	60.7	45.1	27.4	4	55.0	33.0	18.2	-
New Mangalore	No Container Traffic								
Mormugao	-	-	-	-	-	-	-	-	-
J.L.Nehru	3	65.6	96.9	63.6	8	46.7	96.2	44.9	1
Mumbai	2	74.3	54.6	40.6	3	67.6	49.7	33.6	-
Kandla	...	...	...	...	...	...	...	...	...

Note : (1) Possible hours are the maximum hours for which the equipment is available.

(No. of equipments * no of days * 24)

Available hours excludes hours lost due to maintenance, breakdown and recess etc.

(2) % Availability = (Total Available Hours/Total Possible Hours) * 100

No. of hours equipment utilised

(3) % Utilisation = $\frac{\text{No. of available hours/possible hours}}{\text{No. of hours equipment utilised}}$

2.5.13 Availability And Utilisation Of Container Handling Equipments - 1995-96 (Contd...)

PORT	(Percentage)					
	Tractor		Top Lift Trucks			
	No. % availa- bility	Utilisation of Available Possible Hrs.	No. % availa- bility	Utilisation of Available Possible Hrs.		
Calcutta	17	53.5	34.7	18.6	3	...
Haldia	4	...	...	...	-	-
Paradip	No Container Traffic					
Visakhapatnam	3*	72.1*	0.6*	0.5*	2	87.1 3.8 3.3
Chennai	33	89.0	34.3	30.5	7	92.8 31.1 21.5
Tuticorin	...	...	...	...	5	86.3 21.8 18.8
Cochin	22	50.4	51.9	26.2	6	48.7 42.3 20.6
New Mangalore	No Container Traffic					
Mormugao	-	-	-	-	-	-
J.L.Nehru	19	54.9	89.1	48.9	-	-
Mumbai	-	-	-	-	-	-
Kandla	...	...	...	...	...	...

* Figures relates to Fork Lift Trucks

2.5.14 Top 20 Container Ports in The World Based On TEU Throughput

(In 000 TEUs)

PORT	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	
	RANK	TEU	RANK	TEU	RANK	TEU	RANK	TEU	RANK	TEU	
HONG KONG	1	3457	1	4033	1	4464	2	5101	2	6162	
SINGAPORE	4	2630	2	3375	2	4360	1	5224	1	6354	
KAOHSIUNG	3	2779	4	3083	4	3383	4	3495	3	3913	
ROTTERDAM	2	2839	3	3289	3	3603	3	3667	4	3766	
BUSAN	7	1887	6	2206	6	2159	6	2348	5	2694	
KOBE	8	1877	5	2233	5	2459	5	2596	6	2635	
HAMBURG	11	1451	10	1622	10	1728	8	1969	7	2189	
LOS ANGELES	9	1580	9	1652	7	2057	7	2116	8	2038	
LONG BEACH	10	1460	11	1546	11	1575	12	1828	13	1768	
NEWYORK/NEW JERSEY	5	2089	7	2096	8	1988	9	1872	10	1865	
YOKOHAMA	13	1348	13	1453	12	1508	11	1648	11	1796	
KEELUNG	6	1940	8	1762	9	1770	10	1828	9	2005	
ANTWERP	12	1437	12	1470	13	1474	14	1549	14	1761	
SAN JUAN	18	1024	16	1136	16	1265	16	1381	15	1584	
DUBAI	-	-	-	-	-	-	-	18	1255	17	1482
PELIXSTOPE	15	1053	15	1279	15	1368	15	1436	16	1434	
TOKYO	14	1288	14	1396	14	1439	13	1555	12	1784	
BREMEN	16	1043	17	1121	17	1212	17	1198	17	1277	
OAKLAND	19	954	19	1021	18	1070	19	1124	19	1195	
BANGKOK	-	-	-	-	-	-	20	1171	19	1303	
SEATTLE	17	1026	18	1024	19	1041	18	1171	-	-	
TACOMA	20	697	-	-	20	925	-	-	-	-	
CHARLESTON	-	-	20	800	-	-	-	-	-	-	
MANILA	-	-	-	-	-	-	20	1039	-	-	
SHANGHAI	-	-	-	-	-	-	-	-	-	-	
TIANJUNG PRIOK	-	-	-	-	-	-	-	-	-	-	
TOTAL : TOP 20	33858	37591	40846	44145	48646	53365	57973	65157	70179	74919	
GLOBAL	67257	73810	78417	85579	93646	102906	112439	125912	135880	144469	
PERCENT SHARE:TOP 20	50.34	50.93	52.09	51.56	51.95	51.86	51.56	51.75	51.65	51.86	

2.5.15 Containers Handled By CONCOR -- 1996-97

(TEUs)

REGION	International						Domestic						TOTAL HANDLING	
	Outward			Inward			TOTAL			TOTAL				TOTAL DOMESTIC
	LDD	MTY	: LDD	: LDD	MTY	MTY	:TOTAL :INTER.	DSO	IRS	TOTAL				
NORTHERN	85792	4520	90312	53816	40054	93870	184182	86877	244	87121	271303			
WESTERN	32396	29348	61744	14023	35285	49308	111052	97484	1850	99334	210386			
SOUTHERN	26977	24417	51394	32731	22489	55220	106614	15075	102	15177	121791			
SOUTHCENTRAL	6104	895	6999	1973	5123	7096	14095	8826	45	8871	22966			
EASTERN	2619	3138	5757	132	2909	3041	8798	62230	6068	68298	77096			
ALL REGION	153888	62318	216206	102675	105860	208535	424741	270492	8309	278801	703542			
Source : Container Corporation Of India														
											LDD : Loaded	MTY : Empty		

2.6.1 Selected Port Performance Indicators - By Type Of Vessels

Item/Year	Category of Vessels						
	Dry-Bulk (Mech.)	Dry-Bulk (Conv.)	Liquid Bulk	Break- Bulk	Container vessels	All Types	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	
1. No. of vessels sailed							
1994-95	937	1634	4080	2687	2374	11681	
1995-96	997	1810	4603	2429	2418	12234	
2. Av. pre-berthing waiting time(days)							
1994-95	2.5	3.2	2.2	2.7	1.5	2.4	
1995-96	2.1	5.1	3.9	4.6	1.7	3.6	
3. Av. turn round time (days)							
1994-95	6.8	11.2	4.3	9.6	4.4	6.7	
1995-96	6.8	12.6	5.4	11.7	4.6	7.7	
4. Percentage of idle time at berth to time at working berth							
1994-95	35	28	35	44	32	36	
1995-96	35	29	32	40	28	34	
5. Output per ship berth day (tonnes)							
1994-95	12047	2742	12112	744	2122	3968	
1995-96	10736	2702	11153	736	2452	4047	

Source:- Major Ports.

Note :- Item 1 (No. of vessels sailed) pertain to ships which left after cargo operation.

2.6.2 Selected Port Performance Indicators - By Port

Item	Kandla	Mumbai	Morva- gao	New Man- galore	Cochin	Tuti- corin	Chennai	Visakha- patnam	Paradip	Haldia	Cal- cutta	J.L. Nehru	All Ports
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1. No. of vessels sailed													
1994-95	1390	2507	573	514	662	678	1445	1206	432	779	755	540	11681
1995-96	1305	2520	565	505	756	939	1605	1329	523	836	805	546	12234
2. Av. pre-berthing waiting time(days)													
1994-95	5.3	3.6	3.0	2.2	0.8	1.9	2.7	1.1	1.4	2.0	0.9	1.8	2.4
1995-96	9.9	4.5	2.9	1.7	1.2	2.3	3.4	2.4	2.5	2.6	1.4	2.6	3.6
3. Av. turn round time (days)													
1994-95	9.6	6.6	6.6	5.7	3.8	5.3	7.2	5.6	5.6	6.6	9.2	5.2	6.7
1995-96	14.6	7.4	6.6	5.1	4.0	5.9	7.5	7.6	6.3	6.8	8.6	5.7	7.7
4. % of Idle time at berth to time at working berth													
1994-95	20	36	29	56	49	42	42	23	24	46	47	11	36
1995-96	19	35	30	51	47	40	40	25	24	48	48	24	34
5. Output per ship berth day (tonnes)													
1994-95	5266	2632	9053	4564	4574	2725	4635	6089	5564	5844	1042	2913	3968
1995-96	5223	2576	6878	5587	5698	2837	4790	5493	5929	5885	1188	3585	4047

2.6.3 Number of Vessels Sailed by Type and Port.

Port	Container		Break Bulk		Dry Bulk		(Mech. Operation)		(Conv. Operation)		Liquid Bulk		All Types	
	94-95	95-96	94-95	95-96	94-95	95-96	94-95	95-96	94-95	95-96	94-95	95-96	94-95	95-96
Calcutta	222	246	313	236	-	-	10	18	211	306	755	805	a	a
Baidia	63	44	48	42	162	150	122	142	412	480	779	836	d	d
Paradip	-	-	13	6	63	68	273	298	83	151	432	523		
Vishakhapatnam	39	40	207	300	109	119	377	376	474	494	1206	1329		
Chennai	279	381	316**	299*	52	47	326	396	472	482	1445	1605		
Tuticorin	165	181	354	333	112	173	122	124	125	128	878	939		
Cochin	275	265	65	73	19	16	9	17	294	365	662	756		
New Mangalore	11	-	141	122	161	175	-	-	201	208	514	505		
Marugao	27	22	2	10	168	162	93	115	265	236	573	565	h	h
J.L.Nehru	388	357	85	91	39	45	21	39	7	14	540	546		
Hubbel	801	776	718	666	-	-	136	148	852	930	2507	2520		
Kandla	104	106	425	251	32	22	145	137	684	789	1390	1305		
All Ports	2374	2418	2687	2429	937	997	1634	1810	4060	4603	11681	12234		

< a Vessels with dry bulk as import cargo and Break Bulk as export cargo have been counted once
 < b Vessels Carrier. < c Includes Conventional also.

< d 2 Vessels worked both as Break bulk and container. One vessel worked both as Dry bulk and Break bulk.
 19 Dry bulk vessels worked both in Mechanical and Conventional methods.

< e 23 Dry bulk vessels worked both in Mechanical and Conventional method. Three vessels worked both as Break bulk and Container
 Two vessels worked both as Dry bulk(conv.) and Break bulk.

< f Includes four other vessels
 < g Includes 30 other vessels
 < h Excluding 66 daughter tankers
 * Includes 15 lash vessels also.
 ** Includes 15 lash vessels also.
 + Two vessels are double counted.

Note: The figures here pertain to only ships which left after cargo operations.

2.6.4 Average Pre-berthing Detention By Type and Port.

(In Days)

Port	Container		Break Bulk		Dry Bulk (Mech.)		Dry Bulk (conv.)		Liquid Bulk		All Types	
	94-95	95-96	94-95	95-96	94-95	95-96	94-95	95-96	94-95	95-96	94-95	95-96
Calcutta	0.6	0.8	1.0	1.4	-	-	3.2	2.9	1.0	1.8	0.9	1.
Haldia	0.2	0.1	2.1	1.9	1.1	1.1	2.4	3.8	2.4	2.9	2.0	2.
Paradip	-	-	2.7	0.9	1.4	2.8	1.5	2.8	0.8	1.9	1.4	2.
Visakhapatnam	0.2	0.5	1.6	2.6	0.5	1.6	2.2	5.1	0.2	0.6	1.1	2.
Chennai	3.9	1.4	1.6	3.1	1.4	0.3	2.0	4.7	3.5	4.6	2.7	3.
Tuticorin	0.7	0.8	2.8	3.7	1.3	1.3	2.6	3.1	0.9	1.3	1.9	2.
Cochin	0.5	0.6	0.4	0.5	1.1	1.3	0.7	0.3	1.2	1.8	0.8	1.
New Mangalore	0.1	-	0.4	0.6	5.9 \$	2.5 \$	-	-	0.6	1.7	2.2	1.
Mormugao	Neg.	Neg.	7.6	1.9	3.7	2.4	1.3	0.6	3.3	4.7	3.0	2.
J.L.Nehru	1.1	1.9	0.9 @	0.6 @	...	7.4	7.7	...	...	1.6	1.8	2.
Mumbai *	1.9	2.6	3.1	5.2	-	-	9.2	11.7	5.2	4.9	3.6	4.
Kandla	1.9	3.4	6.6	17.3	4.8	4.5	7.1	12.6	2.8	8.1	5.3	9.
All Ports	1.5	1.7	2.7	4.6	2.5	2.1	3.2	5.1	2.2	3.9	2.4	3.

@ Vehicles Carrier.

* Excluding vessels handled in Stream.

\$ Includes Conventional also.

2.6.4A - Distribution of Av. Pre-berthing Delay According To Reasons - 1995-96

Sl. No.	Category of Ships	No. of Ships	Reason-wise average pre-berthing delay (in days)								
			Non-avail. of Berth	Non-avail. of Tug/Craft	Non-avail. of Pilot	Night Navigation	Draft Restriction	Ships Account	Others Lack of Cargo	Total	
Calcutta											
1.	Container	246	-	0.01	0.09	-	-	0.06	0.63	-	0.79
2.	Break Bulk	236	-	0.01	0.24	-	-	0.26	0.84	-	1.35
3.	Dry Bulk	18	-	0.02	-	-	-	0.14	0.76	-	0.92
4.	Liquid Bulk	306	0.12	Neg.	0.06	-	-	0.73	0.91	-	1.82
Total		805	0.04	0.01	0.12	-	-	0.37	0.85	-	1.39
Maldiva											
1.	Container	44	-	-	-	-	-	0.12	0.01	-	0.13
2.	Break Bulk	42	1.73	-	-	-	-	0.15	0.03	-	1.91
3.	Dry Bulk(M)	150	0.53	-	0.05	-	-	0.02	0.44	-	1.04
	(C)	142	3.19	-	0.11	-	-	0.05	0.54	-	3.89
4.	Liquid Bulk	480	0.74	-	0.04	-	-	1.60	0.51	-	2.89
Total		836	1.15	-	0.05	-	-	0.94	0.47	-	2.61
New Mangalore											
1.	Container	-	-	-	-	-	-	-	-	-	-
2.	Break Bulk	122	-	-	-	-	-	-	0.60	-	0.60
3.	Dry Bulk	175	2.12	-	-	-	-	-	0.38	-	2.50
4.	Liquid Bulk	208	0.36	-	-	-	-	-	1.39	-	1.75
Total		505	0.88	-	-	-	-	-	0.86	-	1.74

2.6.4A - Distribution of Av. Pre-berthing Delay According To Reasons - 1995-96

Sl. No.	Category Of Ships	No. Of Ships	Reason-wise average pre-berthing delay (in days)							
			Non-avail. of Berth	Non-avail. Of Tug/Craft	Non-avail. Of Pilot	Night Navigation	Draft Restriction	Ships Account	Others Lack Of Cargo	Total
Paradip										

1.	Container	-	-	-	-	-	-	-	-	-
2.	Break Bulk	6	0.80	-	-	0.01	-	-	0.05	0.86
3.	Dry Bulk(M) (C)	68	0.99	-	-	0.08	-	0.08	1.69	2.84
		298	2.24	-	-	0.05	-	0.06	0.41	2.76
4.	Liquid Bulk	151	0.98	-	-	0.06	-	-	0.83	1.87

Total		523	1.69	-	-	0.06	-	0.04	0.70	2.49

Mumbai										

1.	Container	776	1.65	-	-	-	-	0.83	0.10	2.58
2.	Break Bulk	666	1.84	-	-	-	-	3.32	0.08	5.24
3.	Dry Bulk	148	5.75	-	-	-	-	5.85	0.11	11.71
4.	Liquid Bulk	930	1.73	-	-	-	-	3.03	0.11	4.87

Total		2520	1.93	-	-	-	-	2.48	0.10	4.51

Chennai										

1.	Container	381	0.48	-	-	0.03	-	0.70	0.15	1.36
2.	Break Bulk	299	1.71	-	-	0.04	-	0.93	0.39	3.07
3.	Dry Bulk(M) (C)	47	0.23	-	-	0.05	-	-	0.06	0.34
		396	2.38	-	-	0.06	-	1.54	0.71	4.69
4.	Liquid Bulk	482	0.10	-	-	0.05	-	4.42	0.04	4.61

Total		1605	1.04	-	-	0.04	-	2.04	0.29	3.41

2.6.4A - Distribution of Av. Pre-berthing Delay According To Reasons - 1995-96

Sl. No.	Category of Ships	No. of Ships	Reason-wise average pre-berthing delay (in days)								
			Non-avail. of Berth	Non-avail. of Tug/Craft	Non-avail. of Pilot	Night Navigation	Draft Restriction	Ships Account	Others	Lack of Cargo	Total
Cochin											
1.	Container	265	0.17	-	-	-	0.04	0.37	0.05	-	0.63
2.	Break Bulk	73	0.07	-	-	-	-	0.22	0.22	-	0.51
3.	Dry Bulk	33	0.90	-	-	-	0.15	-	0.22	-	1.27
4.	Liquid Bulk	385	1.19	-	-	-	0.03	0.62	0.03	-	1.87
Total		756	0.70	-	-	-	0.03	0.46	0.06	-	1.25
Tuticorin											
1.	Container	181	0.69	-	-	0.03	-	0.06	0.02	-	0.80
2.	Break Bulk	333	2.97	-	-	0.02	-	0.66	0.02	-	3.67
3.	Dry Bulk(M)	173	3.04	-	-	0.01	-	0.04	0.01	-	3.10
	(C)	124	1.24	-	-	0.04	-	0.06	0.01	-	1.35
4.	Liquid Bulk	128	0.56	-	-	0.07	-	0.66	0.02	-	1.33
Total		939	1.89	-	-	0.03	-	0.35	0.01	-	2.28
Mormugao											
1.	Container	22	0.01	-	-	-	-	0.03	-	-	0.04
2.	Break Bulk	10	0.15	-	-	-	-	1.79	0.01	-	1.95
3.	Dry Bulk(M)	182	0.49	-	-	0.01	-	0.03	Neg.	1.85	2.38
	(C)	115	0.13	-	-	0.06	-	0.42	0.02	-	0.65
4.	Liquid Bulk	236	1.21	-	-	0.02	-	1.02	2.43	-	4.68
Total		565	0.69	-	-	0.02	-	0.55	1.02	0.60	2.88
* Conventional											

2.6.4A - Distribution Of Av. Pre-berthing Delay According To Reasons - 1995-96

Sl. No.	Category Of Ships	No. Of Ships	Reason-wise average pre-berthing delay (in days)								
			Non-avail. of Berth	Non-avail. Of Tug/Craft	Non-avail. Of Pilot	Night Navigation	Draft Restriction Account	Ships	Others	Lack Of Cargo	Total
Vizag											
1.	Container	40	0.34	-	-	-	0.01	0.05	0.10	-	0.50
2.	Break Bulk	300	2.40	-	Neg.	Neg.	0.01	0.03	0.11	-	2.55
3.	Dry Bulk(M)	119	1.45	-	-	0.01	0.01	0.02	0.06	-	1.55
	(C)	376	4.95	-	Neg.	0.01	Neg.	0.02	0.10	-	5.08
4.	Liquid Bulk	494	0.18	-	Neg.	0.02	0.02	0.05	0.33	-	0.60
Total		1329	2.15	-	Neg.	0.01	0.01	0.03	0.18	-	2.36
Kandla											
1.	Container	106	3.21	-	-	0.03	-	0.13	0.04	-	3.41
2.	Break Bulk	251	10.09	-	-	Neg.	-	6.99	0.07	-	17.15
3.	Dry Bulk(M)	22	3.09	-	-	-	0.56	0.67	0.22	-	4.54
	(C)	137	9.25	-	0.01	0.03	0.07	3.25	-	-	12.61
4.	Liquid Bulk	789	6.23	-	-	0.02	0.02	1.83	-	-	8.10
Total		1305	7.05	-	Neg.	0.02	0.03	2.82	0.02	-	9.94
J.L.Mehru											
1.	Container	357	1.81	-	-	-	-	0.11	0.01	-	1.93
2.	Break Bulk	91	0.50	-	-	-	-	0.09	0.02	-	0.61
3.	Dry Bulk	84	7.34	-	-	-	Neg.	0.27	0.04	-	7.65
4.	Liquid Bulk	14	0.82	-	-	-	-	0.74	-	-	1.56
Total		546	2.40	-	-	-	Neg.	0.15	0.01	-	2.56

2.6.5 Average Turn Round Time - by Type and Port.

(In Days)

Port	Container		Break Bulk		Dry Bulk (Mech.)		Dry Bulk (conv.)		Liquid Bulk		All Types	
	94-95	95-96	94-95	95-96	94-95	95-96	94-95	95-96	94-95	95-96	94-95	95-96
Calcutta	6.4	6.3	13.6	14.0	-	-	17.6	18.9	5.1	5.7	9.2	8.6
Haldia	1.7	1.8	18.9	13.6	5.3	4.9	11.4	14.3	4.4	4.8	6.6	6.8
Paradip	-	-	6.8	3.5	5.6	7.0	6.7	7.8	2.1	3.2	5.6	6.3
Visakhapatnam	2.6	2.8	8.7	9.2	4.4	6.1	8.9	13.3	2.2	3.0	5.6	7.6
Chennai	7.8	3.7	8.1	9.2	3.8	3.0	9.6	12.1	5.1	6.3	7.2	7.5
Tuticorin	2.4	2.9	6.8	8.1	4.5	4.8	8.9	9.2	2.4	3.1	5.3	5.9
Cochin	3.2	2.7	5.6	6.6	12.6	13.1	20.4	17.0	3.1	3.6	3.8	4.0
New Mangalore	1.8	-	7.5	7.4	9.6 \$	5.9 \$	-	-	1.6	3.1	5.7	5.1
Mormugao	0.6	0.9	21.9	7.2	8.4	7.4	10.3	7.5	4.5	6.0	6.6	6.6
J.L.Nehru	3.5	4.2	1.3 @	1.2 @	...	18.2	22.5	...	...	6.3	5.2	5.7
Mumbai*	4.4	5.7	10.0	11.9	-	-	16.6	16.6	4.3	4.3	6.6	7.4
Kandla	4.8	6.6	12.3	27.8	19.7	19.9	17.3	23.7	6.7	10.0	9.6	14.8
All Ports	4.4	4.6	9.6	11.7	6.8	6.8	11.2	12.6	4.3	5.4	6.7	7.7

\$ Includes - Conventional also.

@ Vehicles Carrier.

* Excluding detention period attributable to ship.

2.6.6 Percentage Of Idle Time At Berth To Time At Working Berth - By Type And Port.

Port	Container		Break Bulk		Dry Bulk (Mech.)		Dry Bulk (conv.)		Liquid Bulk		All Types	
	94-95	95-96	94-95	95-96	94-95	95-96	94-95	95-96	94-95	95-96	94-95	95-96
Calcutta	26	26	52	56	-	-	49	48	49	50	47	48
Haldia	61	66	50	55	63	63	37	43	41	43	46	48
Paradip	-	-	20	20	20	29	27	23	...	...	24	24
Visakhapatnam	18	18	24	21	24	31	19	23	32	33	23	25
Chennai	58	48	48	49	46	47	34	34	31	31	42	40
Tuticorin	42	43	49	48	23	25	39	40	34	36	42	40
Cochin	52	39	51	51	50	49	37	37	29	28	49	47
New Mangalore	67	-	62	58	50 \$	48 \$	-	-	40	31	56	51
Mormugao	41	32	26	17	29	30	25	25	41	42	29	30
J.L.Nehru	8	25	...	18 @	...	30	14	...	...	...	11	24
Mumbai	28	26	42	40	-	-	32	34	32	33	36	35
Kandla	14	14	18	16	14	23	16	16	32	31	20	19
All Ports	32	28	44	40	35	35	28	29	35	32	36	34

\$ Includes Conventional also.

@ Vehicles Carrier.

2.6.7 Output Per Ship Berthday - By Type And Port.

Port	Container		Break Bulk		Dry Bulk (Mech.)		Dry Bulk (conv.)		Liquid		Bulk		All Types	
	94-95	95-96	94-95	95-96	94-95	95-96	94-95	95-96	94-95	95-96	94-95	95-96	94-95	95-96
Calcutta	2013	1954	439	395	-	-	586	557	3231	3238	1042	1188		
Haldia	1731	1297	648	678	8391	9268	2806	2351	15147	14187	5844	5885		
Paradip	-	-	665	730	10857	9348	4762	4971	7342	8776	5564	5929		
Visakhapatnam	1432	1069	1321	1272	15547	13546	4307	3929	14844	14323	6089	5493		
Chennai	1882	2627	695	731	40082	41124	3513	3446	16567	15110	4635	4790		
Tuticorin	2363	2114	817	827	8398	7440	2997	2698	5345	4860	2725	2837		
Cochin	942	1596	1086	439	1875	1672	815	1130	14040	15769	4574	5698		
New Mangalore	456	-	689	759	10855	12240	-	-	5946	6393	4564	5587		
Mormugao	933	1137	592	1241	17127	15986	1712	2010	7166	7063	9053	8878		
J.L.Nehru	3300	379 TEU	2318 @	...	...	3800	2972	...	...	2060	2913	3585		
Mumbai	2142	2073	686	667	-	-	863	671	11595	11166	2632	2576		
Kandla	2792	3081	1143	1016	1621	1621	1328	1551	18891	19339	5266	5223		
All Ports	2122	2452	744	736	12047	10736	2742	2702	12112	11153	3968	4047		

\$ Includes Conventional also.

@ Vehicles Carrier.

2.6.8 Average Berth Occupancy At Major Ports

(Percentage)

Port	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
KANDLA	86.0	88.5	89.8	89.1	90.5	93.8	92.8
MUMBAI	81.6	77.0	62.6	71.2	72.4	78.4	81.6
J.L. NEHRU	...	...	...	65.8	71.7	80.5	78.8
MORMUGAO	69.0	66.0	67.0	83.8	80.7	70.6	56.7
NEW MANGALORE	69.0	55.9	57.3	64.9	49.6	52.9	49.3
COCHIN	52.3	49.7	45.3	53.2	49.7	50.8	51.7
TUTICORIN	73.3	72.6	76.1	84.5	85.1	84.9	86.2
CHENNAI	86.2	86.6	79.0	78.8	80.4	81.0	84.2
VISAKHAPATNAM	63.3	77.9	81.9	91.0	87.5	92.7	81.3
PARADIP	70.2	68.5	60.6	68.6	69.9	78.6	86.0
HALDIA	67.4	69.1	63.2	73.5	63.7	77.1	77.0
CALCUTTA	59.9	56.9	53.8	52.3	48.5	53.9	52.5

2.6.9 Utilisation Of Cargo Handling Equipments

Port/Year	Mech. System		Utilisation of General Cargo handling Equipment (Average no. of hours worked per month per equipment.)		Elect. Wharf Cranes: Mobile :		Fork Lifts	
	Tonnes : per : worked : day :	Commo- dity :	3-10 : Tonnes : Tonnes :	Above 10 : Tonnes :	300	250	300	300
(1)	(2)	(3)	(4)	(5)	(6)	(7)		
KANDLA								
Norms (1983)	2300	Fertiliser	300	300	250	300		
Performance								
1988-89	1802	"	222	-	77	210		
1989-90	1676	"	240	-	20	242		
1990-91	1538	"	226	-	8	220		
1991-92	1415	"	217	-	21	196		
1992-93	1785	"	159	-	5	156		
1993-94	1937	"	256	-	5	253		
1994-95	2021	"	273	-	3	176		
1995-96	1916	"	294	-	4	219		
1996-97	2408	"	296	-	2	196		
MUMBAI								
Norms (1983)	-	-	300	300	250	300		
Performance								
1988-89	-	-	185	88	166	231		
1989-90	-	-	182	102	155	192		
1990-91	-	-	164	68	153	191		
1991-92	-	-	126	79	124	178		
1992-93	-	-	156	110	163	220		
1993-94	-	-	177	124	164	213		
1994-95	-	-	194	114	169	159		
1995-96	-	-	221	117	140	145		
1996-97	-	-	205	124	137	147		

2.6.9 Utilisation of Cargo Handling Equipment

Port/Year	Mech. System		Utilisation of General Cargo handling Equipment (Average no. of hours worked per month per equipment.)		Elect. Wharf Cranes: Mobile		Fork	
	Tonnes per worked day	Commo-dity	3-10 Tonnes	Above 10 Tonnes	Cranes	Lifts		
(1)	(2)	(3)	(4)	(5)	(6)	(7)		
MORMUGAO								
Norms (1983)	32500	Iron Ore	300	300	250	300		
Performance								
1988-89	41065	"	186	-	79	96		
1989-90	38964	"	162	-	126	132		
1990-91	43544	"	93	-	51	50		
1991-92	53133	"	174	-	69	33		
1992-93	47647	"	280	-	86	82		
1993-94	47939	"	246	-	108	114		
1994-95	37992	"	140	-	128	111		
1995-96	45759	"	108	-	44	182		
1996-97	39401	"	64	-	35	202		
NEW MANGALORE								
Norms (1983)	29700	"	300	300	250	300		
Performance								
1988-89	18434	"	10	-	26	35		
1989-90	19476	"	25	-	18	27		
1990-91	24774	"	18	-	22	28		
1991-92	24909	"	31	-	20	23		
1992-93	26035	"	23	-	24	22		
1993-94	27195	"	19	-	21	30		
1994-95	21479	"	48	-	14	48		
1995-96	25371	"	13	-	14	36		
1996-97	26378	"	7	-	7	32		

2.6.9 Utilisation Of Cargo Handling Equipment

Port/Year	Mech. System		Utilisation of General Cargo handling Equipment (Average no. of hours worked per month per equipment.)				
	Tonnes : per worked day	Commo- dity	Elect. Wharf Cranes:	Mobile :	Fork Cranes :	Lifts	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	
COCHIN							
Norms (1983)	-	-	200	200	167	200	
Performance	-	-	67	-	142	116	
1988-89	-	-	99	-	158	123	
1989-90	-	-	71	-	159	121	
1990-91	-	-	50	-	115	134	
1991-92	-	-	53	-	123	132	
1992-93	-	-	40	-	135	134	
1993-94	-	-	59	-	83	127	
1994-95	-	-	93	-	65	106	
1995-96	-	-	82	-	63	139	
1996-97	-	-	-	-	-	-	
TUTICORIN							
Norms (1983)	-	-	300	300	250	300	
Performance	-	-	134	-	82	106	
1988-89	-	-	164	-	70	115	
1989-90	-	-	148	-	113	100	
1990-91	-	-	159	-	105	79	
1991-92	-	-	180	-	77	84	
1992-93	-	-	176	-	86	84	
1993-94	-	-	156	-	65	81	
1994-95	-	-	133	-	25	80	
1995-96	-	-	128	-	24	77	
1996-97	-	-	-	-	-	-	

2.6.9 Utilisation Of Cargo Handling Equipment

Port/Year	Mech. System		Utilisation of General Cargo handling Equipment (Average no. of hours worked per month per equipment.)					
	Tonnes : Commo- per : dity		Elect. Wharf Cranes: Mobile : Fork worked : 3-10 : Above 10 : Cranes : Lifts day : : Tonnes : Tonnes : :					
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	
CHENNAI								
Norms (1983)	\$	37000	Iron Ore	300	300	250	300	
Performance								
1988-89		47910	"	435	*	322	336	
1989-90		56572	"	434	400	336	307	
1990-91		46299	"	404	358	350	309	
1991-92		44115	"	277	269	254	270	
1992-93		40942	"	250	243	241	238	
1993-94		25530	"	246	214	223	224	
1994-95		45605	"	222	231	206	214	
1995-96		44511	"	205	191	248	221	
1996-97		43212	"	173	133	275	221	
VISAKHAPATNAM								
Norms (1983)		50000	Iron Ore	300	300	250	300	
Performance								
1988-89		41833	"	162	-	105	127	
1989-90		42393	"	188	-	174	134	
1990-91		33515	"	168	-	146	130	
1991-92		28964	"	187	-	85	134	
1992-93		26790	"	313	-	107	233	
1993-94		39798	"	291	50	101	158	
1994-95		40765	"	268	87	141	201	
1995-96		31362	"	332	73	156	177	
1996-97		33328	"	224	66	142	147	

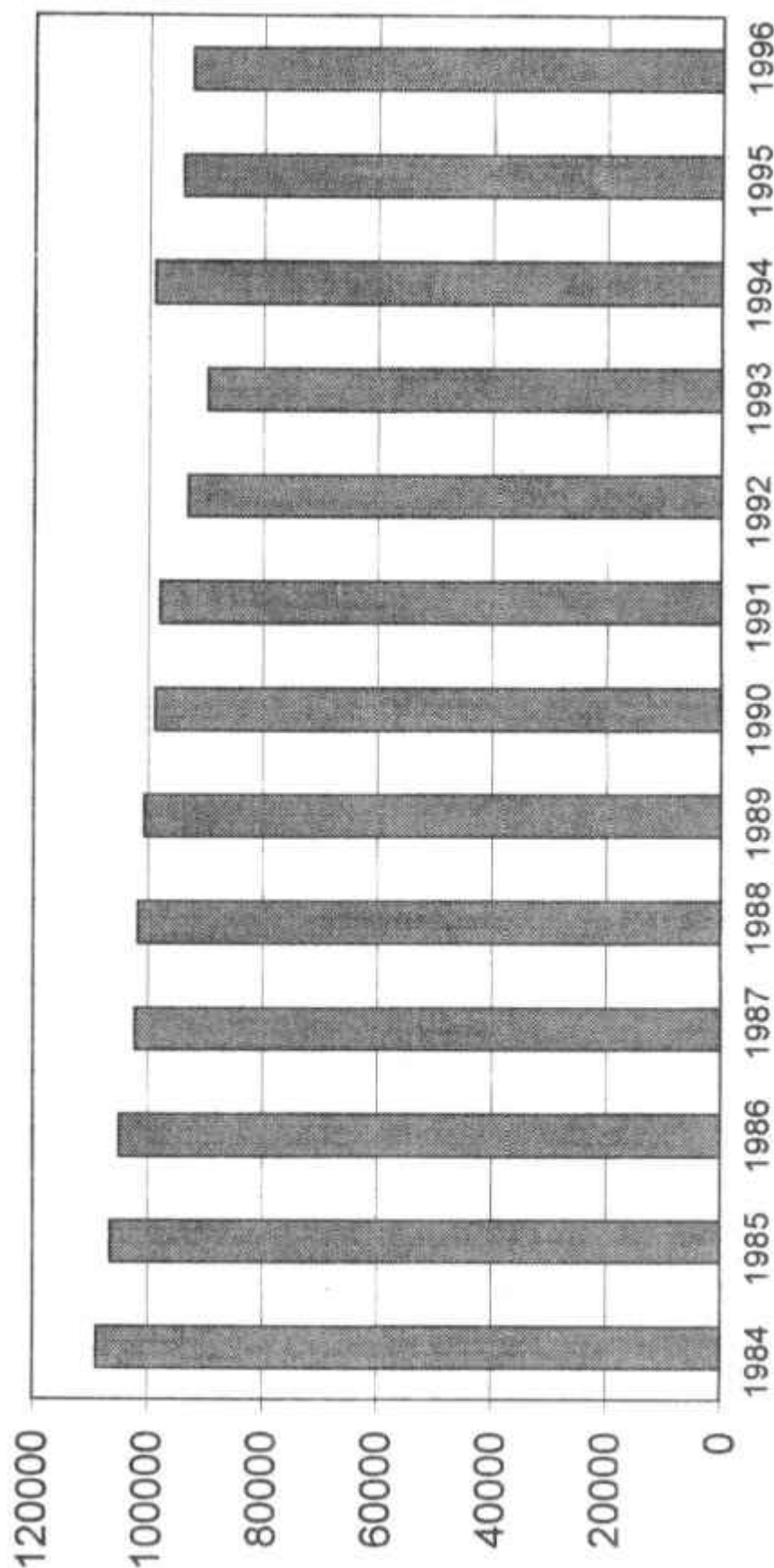
\$ Relates to vessels of capacity more than 35000 DWT.
 * Included in 3-10 Tonnes.

2.6.9 Utilisation Of Cargo Handling Equipment

Port/Year	Mech. System	Utilisation of General Cargo handling Equipment (Average no. of hours worked per month per equipment.)					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	
PARADIP							
Norms (1983)	18700	Iron Ore	300	300	250	300	
Performance							
1988-89	21609	"	*	178	107	65	
1989-90	14688	"	*	193	91	47	
1990-91	20129	"	*	221	80	71	
1992-92	16728	"	*	276	127	137	
1992-93	21308	"	*	152	76	66	
1993-94	21029	"	*	154	44	76	
1994-95	23303	"	*	162	40	50	
1995-96	20331	"	*	165	59	46	
1996-97	20743	"	*	145	58	70	
CALCUTTA							
Norms (1983)	2000	Coal	300	300	250	300	
Performance							
1988-89	-	"	2190	231	219	240	
1989-90	-	"	2210	258	207	245	
1990-91	-	"	1700	280	234	307	
1991-92	-	"	1610	245	219	259	
1992-93	-	"	1680	259	194	257	
1993-94	-	"	1250	255	174	197	
1994-95	-	"	1230	266	167	218	
1995-96	-	"	1040	267	132	175	
1996-97	-	-	830	293	123	158	

* There are no 3-10 tonnes crane
@ 2-10 Tonnes
Source : Major Ports

EMPLOYMENT AT MAJOR PORTS (AS ON 31st DECEMBER)



2.7.1 Employment At Ports - Portwise As On 31st December

PORT	(In Numbers)												
	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	
Kandla	4499	4713	4503	4537	4633	4603	4976	4927	4877	4740	4451	4107	
Mumbai	31026	30736	30939	30987	30319	29349	28199	27327	25063	34696	32693	32789	
J. L. Nehru	-	-	-	-	-	1137	1187	1386	1507	1513	1549	1539	
Mormugao	3855	3791	3681	3683	3646	3614	3582	3668	3257	3612	3607	3568	
New Mangalore	1273	1285	1304	1314	1312	1328	1330	1337	2401	2311	2303	2275	
Cochin	6010	6047	5950	5967	5868	5781	5533	5546	5546	5502	4872	4872	
Tuticorin	2253	2286	2298	2286	2284	2270	2268	2250	2054	1996	2152	1941	
Chennai	11885	12128	11492	11469	11489	11346	11361	10318	10271	10357	10399	10314	
Visakhapatnam	11075	11950	11068	11013	10966	10848	11314	10227	10062	9772	9626	9450	
Paradip	5495	4803	5390	5590	5368	4841	4811	4834	4996	5241	4113	4229	
Calcutta/ Haldia	29066	27180	25619	24673	24658	23643	23394	21292	19808	19296	18051	17357	

Note : Number of officers in the class I & II Posts have not been included
Data As on 31.12.1995

2.7.2 Number of Dock workers Registered with DLB's of Major Ports As On 31st December

(In Numbers)														
PORT	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
KANDLA	835	836	833	863	871	869	875	913	897	964	953	960	943	
MUMBAI	10719	11869	10525	10354	10121	9903	7648	8137	6848	7051	*	*	*	
NORMUGAO	1120	1114	1108	1101	968	961	955	935	902	821	807	745	691	
COCHIN	1131	1077	995	919	823	757	665	561	683	584	548	529	529	
CHENNAI	1876	1806	1689	1558	1483	1394	1341	1306	1108	1890	1143	1092	1186	
VIZAG	869	851	841	816	685	665	641	611	706	739	732	610	563	
CALCUTTA	7754	7410	7228	6885	6249	5941	5689	5272	4169	3907	3819	3304	2677	
TOTAL	24304	24963	23221	22496	21200	20490	18014	17755	15314	15976	7202	7240	6589	

* Mumbai Dock Labour Board merged with Mumbai Port
 * Data as on 31.12.1995

2.7.3 Number of Dock workers listed with Major Ports As On 31st December

PORT	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
KANDLA	1617	1599	54	-	-	-	-	-	-	-	-	-	-
MUMBAI	-	-	-	-	-	-	-	-	-	-	-	-	-
CHENNAI	505	497	479	521	1497	1479	1445	1376	299	275	260	237	210
VISAKHAPATNAM	1586	1573	1558	1539	1538	1516	1502	1487	1483	1006	1319	759	-
TOTAL	3708	3669	2091	2060	3035	2995	2947	2863	1772	1281	1579	996	210

* Mumbai Dock Labour Board merged with Mumbai Port

2.7.4 Employment At Ports - By Port & Classes As On 31st December, 1996

Port	Number of				Number of non-cargo				Number of cargo				Number	
	Officers		handling workers		handling workers		of cargo: of		other than Shore		handling: casual		Total	
: Class : Class : Class : Class : Others : Class : Class : Class : Class :														
: I : II : III : IV : III : IV :														
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)				
Kandla	88	45	660	1672	612	336	106	629	92	4240				
Mumbai	652	3	9539	9633	-	1751	5859	6007	-	33444				
J.L. Nehru	184	47	347	63	108	1021	-	-	-	1770				
Mormugao	140	63	515	1660	1095	257	27	34	-	3791				
New Mangalore	66	115	817	399	-	165	894	-	-	2456				
Cochin @	137	80	2075	1480	-	917	166	212	-	5089				
Tuticorin	117	55	261	836	624	-	-	-	-	2113				
Chennai	326	255	2257	3062	2660	747	304	995	89	10895				
Vishakhapatnam	222	140	1103	3043	2402	1900	826	155	21	9612				
Paradip	99	213	1175	712	-	343	232	1453	314	4541				
Calcutta/Haldia	813	291	7015	7419	-	873	1256	569	223	18461				
Total	2844	1307	25784	29879	7901	6310	9694	10054	739	96612				

@ Data as on 31-12-1995

2.7.5 Employment At DLB's Of Major Ports As On 31st December, 1996

Port / DLB	(In Numbers)									
	DLB Employment					Dock Workers				
	Class I	Class II	Class III	Class IV	Total	Registered	Listed	Others	Total	Grand Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Kandla	2	4	62	11	79	943	-	-	943	1022
Morugao	4	3	76	28	111	691	-	-	691	802
Cochin *	8	16	98	39	161	529	-	-	529	690
Chennai	29	13	355	100	497	1186*	210	677	2073	2570
Visakhapatnam	23	7	283	118	431	563	-	1554	2117	2548
Calcutta	23	17	451	279	770	2677	-	-	2677	3447
All DLB's	89	60	1325	575	2049	6589	210	2231	9030	11079

* Includes 155 casuals

@ Data as on 31-12-1995

2.7.6 Mandays Lost Per Thousand Mandays Employed During 1992-96

PORT	1992		1993		1994		1995		1996	
	Man- days lost per emply- yed '000)	Mandays lost per 1000 emply- yed '000)	Man- days lost per emply- yed '000)	Mandays lost per 1000 emply- yed '000)	Man- days lost per emply- yed '000)	Mandays lost per 1000 emply- yed '000)	Man- days lost per emply- yed '000)	Mandays lost per 1000 emply- yed '000)	Man- days lost per emply- yed '000)	Mandays lost per 1000 emply- yed '000)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Kandla	1747	-	1698	0.3	1708	0.8	1623	0.2	1515	0.8
Mumbai	10253	0.2	9634	1.7	10409	0.6	9868	0.6	9837	2.9
Mormugao	1371	-	1223	1.1	1326	-	1306	0.8	1284	8.6
N.Mangalore	401	0.1	720	-	693	-	691	-	683	-
Cochin	1869	2.7	1839	0.2	1815	0.3	1620	0.1	1620	0.2
Tuticorin	675	-	616	4.5	599	11.3	646	2.4	582	6.3
Chennai	3515	1.6	3648	1.4	3450	1.4	3731	0.6	3450	0.9
Visakhapatnam	3725	0.7	3246	-	3151	-	3423	1.6	3004	0.1
Paradip	1450	-	1499	4.9	1572	-	1234	-	1269	0.2
Calcutta/Haldia	7638	0.2	7115	1.0	6695	0.5	6407	0.1	6010	0.6
J.N.P.T.	N.A.	N.A.	452	3.4	454	-	465	-	462	-
TOTAL	32644	0.5	31690	1.3	31872	0.7	31014	0.6	29716	1.7

Note : Mandays calculation includes Port Workers as well as Dock Workers.

2.8.1 Revenue And Expenditure At Major Ports

(Rs. in lakhs)

Port / Year	Total : Revenue	Total : Expendi- ture	Port & Dock including Pilotage	Cargo handling and ware- housing	Railways	Land and Building	Finance and Misc.	Manage- ment & General	Admn.				
	Revenue	Exp.	Revenue	Exp.	Revenue	Exp.	Revenue	Exp.	Exp.				
JAVAHARLAL NEHRU													
1989-90	2917	2987	317	536	2084	606	-	10	150	40	366	91	1704
1990-91	5762	5226	682	802	4371	2780	-	14	257	167	472	625	838
1991-92	8494	6542	1019	833	5916	3206	-	14	376	244	1183	1099	1146
1992-93	10350	8743	1506	701	6661	4115	-	94	398	334	1783	2514	985
1993-94	12426	11298	2201	1265	7626	4711	-	97	442	440	2159	3489	1296
1994-95	17907	11688	3008	755	11591	5798	-	102	727	668	2581	2970	1394
1995-96	27853	15341	3579	1201	18390	7925	-	102	1398	725	4516	3777	1608
MORCHUGAO													
1985-86	4168	3282	954	719	2712	1044	36	60	78	59	388	900	500
1986-87	4257	3672	900	978	2845	1311	30	74	70	78	412	725	506
1987-88	4058	3421	781	763	2713	1093	39	87	72	75	453	841	562
1988-89	5160	3836	934	793	3448	1246	46	95	99	83	633	918	701
1989-90	5339	3889	950	810	3560	1294	39	95	110	111	680	849	730
1990-91	5785	4472	1004	897	3712	1513	46	94	104	118	919	1043	807
1991-92	5993	4966	985	1070	3703	1556	42	104	107	139	1156	1125	972
1992-93	7913	5773	1323	1312	4898	1811	73	122	109	140	1510	1134	1154
1993-94	9896	6876	2083	1262	5837	2611	80	123	216	166	1680	1451	1263
1994-95	9741	6890	2199	1607	5445	2277	61	132	278	104	1758	1195	1575
1995-96	9867	7931	2198	2476	5454	1967	-	116	358	67	1857	1557	1748

2.6.1 Revenue And Expenditure At Major Ports

(Rs. in Lakhs)

Port / Year	Total : Revenue	Total : Expenditure	Port & Dock : including Pilotsage	Cargo handling : and warehousing	Railways	Land and Building	Finance and Misc.	Management & General Admin.					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
TUTICORIN													
1985-86	1511	1189	256	238	1037	222	45	23	37	67	133	360	279
1986-87	1440	1284	220	261	999	229	41	33	36	70	142	390	301
1987-88	1435	1444	227	306	960	252	38	37	45	79	165	427	343
1988-89	1941	1511	337	326	1326	280	44	53	53	88	181	411	353
1989-90	2274	2073	438	390	1507	335	65	49	80	96	184	799	404
1990-91	2906	1860	468	439	1561	368	73	51	145	106	661	442	474
1991-92	3046	2066	550	506	1936	447	72	68	147	123	341	407	535
1992-93	3889	2250	861	545	2287	500	74	65	222	134	545	415	591
1993-94	3908	2699	924	635	2201	689	-	51	231	135	552	689	700
1994-95	4502	3726	1088	661	2721	1147	23	68	210	195	460	813	842
1995-96	5979	3634	1613	875	3542	737	9	50	241	231	574	816	925
CHENNAI													
1985-86	9869	6195	1519	854	6982	2421	566	360	51	61	751	1124	1355
1986-87	10433	6896	1589	1043	7380	2425	704	453	32	66	728	1362	1547
1987-88	11256	7622	1863	1016	7358	2749	896	458	45	60	1094	1621	1718
1988-89	13525	8269	2072	1424	8935	2704	1108	478	54	76	1356	1646	1939
1989-90	14832	8882	1977	1337	9794	3065	1164	527	146	92	1731	1561	2300
1990-91	16964	9713	2184	1426	10714	3194	1295	614	166	93	2605	1778	2608
1991-92	19947	11218	3055	1594	11172	3722	1630	719	208	98	3882	2157	2928
1992-93	25664	13700	4003	1536	13135	4062	1576	924	201	121	6749	3694	3363
1993-94	30029	15548	5087	1650	14721	4588	1601	815	219	143	8401	4860	3492
1994-95	31007	16773	5429	2723	15416	5230	1741	849	276	169	8145	3671	4131
1995-96	33879	20365	6826	2850	16313	6173	1987	1138	387	170	8366	5175	4859

2.8.1 Revenue And Expenditure At Major Ports

(Rs. in Lakhs)

Port / Year	: Revenue : Exp. : Revenue : Exp. : Revenue : Exp. : Revenue : Exp. : Revenue : Exp. : Revenue : Exp.													
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
: Total : Total : Port & Dock : Cargo handling : Railways : Land and : Finance : Manage- : Revenue:Expendi- : including : and ware- : : Building : : and : ment & : : ture : Pilotage : housing : : : : : General : : : : : : : : : : : : : : Admin. : : : : : : : : : : : : : : Exp. : : : : : : : : : : : : : : Exp.														
VISAHAHAPATHAM														
1985-86	7173	6309	1516	1162	4634	1708	427	738	332	202	264	1705	794	
1986-87	8272	7449	1469	1286	5308	2231	711	714	316	220	468	2011	987	
1987-88	9280	8494	1514	1634	5277	2398	848	750	457	268	1184	2271	1173	
1988-89	13546	9757	2169	1528	6974	2702	1234	955	352	269	2817	2475	1828	
1989-90	13021	9054	2556	1809	8036	2280	1303	1139	350	333	776	2074	1419	
1990-91	13955	10547	2531	1990	7300	2843	1427	1193	569	420	2128	2487	1614	
1991-92	15713	11861	2662	2487	8442	3230	2025	1754	344	515	2220	2061	1814	
1992-93	18956	13951	4030	2739	9621	3343	2387	1893	348	507	2570	3339	2130	
1993-94	20226	14424	4676	2678	10434	3906	2451	1678	535	577	2130	3378	2207	
1994-95	21940	17719	5870	3458	11548	4523	2806	1803	683	681	1033	4684	2570	
1995-96	25502	19947	7000	4022	13241	4075	3473	2711	682	810	1406	5269	3060	
PARADIP														
1985-86	3004	3416	441	1014	1999	754	112	93	88	190	364	806	569	
1986-87	4309	4568	793	782	2696	1088	324	240	95	233	401	1633	592	
1987-88	4847	5015	842	927	2785	1061	397	258	124	228	699	1862	679	
1988-89	5522	4992	905	666	3343	1312	420	312	160	301	694	1626	775	
1989-90	6709	5906	1143	718	4068	1313	514	433	313	363	671	2224	854	
1990-91	8782	7109	1632	852	5098	1446	732	386	163	420	1157	3003	1002	
1991-92	9693	8347	1595	1084	5072	1823	764	486	526	504	1936	3346	1104	
1992-93	10303	8910	1857	1412	5632	2075	994	832	355	770	1465	2460	1361	
1993-94	13273	11804	2317	1240	6724	2273	1250	685	939	512	2043	5400	1694	
1994-95	13637	10258	2752	1745	8039	2445	1536	437	362	792	1146	3126	1713	
1995-96	16093	12139	3202	2221	9324	2901	1674	473	949	1031	944	3522	1991	

2.6.1 Revenue And Expenditure At Major Ports

(Rs. In Lakhs)

Port / Year	Total : Revenue	Total : Expenditure	Port & Dock Including Pilotsage	Cargo handling and ware- housing	Railways	Land and Building	Finance and Misc.	Manage- ment & General	Admin.				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
BALDIA													
1985-86	5547	4452	2318	1906	2445	608	268	248	146	132	370	835	723
1986-87	6516	5034	2541	2159	2725	661	376	281	156	275	720	913	745
1987-88	6934	5988	2821	2627	2824	705	510	731	159	283	620	849	793
1988-89	9993	6151	3157	2302	5101	980	594	665	232	292	909	1023	889
1989-90	11064	6474	3541	2694	5334	1163	669	685	262	357	1258	618	957
1990-91	12370	7638	4237	2957	5735	1399	790	626	347	398	1261	1061	1177
1991-92	14842	10549	5543	4869	6122	1423	972	620	440	518	1765	1762	1357
1992-93	17731	13807	7139	6577	6968	1755	1214	789	989	598	1421	2449	1639
1993-94	22744	16792	9798	7423	8976	1906	1229	912	940	715	1801	4232	1804
1994-95	26821	20647	11671	8367	10537	1977	1404	784	1042	680	2167	6811	2028
1995-96	27174	18934	9975	5932	12039	2019	1656	875	1442	891	2062	6889	2328
CALCUTTA													
1985-86	9106	10392	2617	3007	4717	2234	386	863	770	149	616	1636	2503
1986-87	10281	10624	2652	3011	5508	2246	358	861	712	153	1051	1731	2602
1987-88	9824	12076	3331	2953	4548	2445	485	690	742	161	718	2925	2902
1988-89	12806	12678	3021	3439	7323	2552	359	716	861	165	1242	2564	3242
1989-90	13671	13416	2826	3691	8266	2530	371	807	1088	183	1120	2741	3464
1990-91	14722	14503	2770	3647	8891	2631	417	819	1246	224	1398	3115	3867
1991-92	15372	15187	2426	3464	8176	2632	476	850	1507	261	2787	3773	3987
1992-93	15815	15271	3451	4016	8808	2969	585	914	1567	247	1404	2912	4213
1993-94	18575	16839	3928	3767	11086	2669	638	760	1609	257	1312	4169	4997
1994-95	20040	20448	4546	5415	11527	2779	1064	874	1719	267	1184	6309	4804
1995-96	21680	21455	4886	5554	13180	2915	934	745	1894	246	786	6485	5510

2.5.2 Net And Operating Surplus At Major Ports

(Rs. in Lakhs)

Item/Year	: Kandla	: Mumbai	: J.L. : Nehru	: Morwa- : Gao	: N.Manga- : Jore	: Cochin : corin	: Tutli- : :	: Chennai:Visakh : patnam	: Paradip : :	: Halda : :	: Calcutta: : :	: All : Porte	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Operating Income													
1985-86	3780	16351	-	3780	1314	3073	1378	9118	6909	2640	5177	8490	62010
1986-87	3618	16422	-	3645	1790	3541	1298	9705	7804	3908	5798	9230	66959
1987-88	3990	18016	-	3605	1964	3477	1270	10162	8096	4148	6314	9106	70150
1988-89	4932	22281	-	4527	2255	4523	1760	12169	10729	4828	9084	11564	58652
1989-90	5846	22339	2551	4659	2360	5505	2090	13101	12245	6038	9806	12551	99091
1990-91	6439	23479	5310	4866	3036	5538	2247	14359	11826	7626	11109	13324	109159
1991-92	7205	25564	7311	4837	3209	5828	2706	16065	13493	7957	13077	12585	119837
1992-93	8691	36452	8567	6403	3488	6635	3444	18915	16366	8838	16310	14411	148540
1993-94	10175	41668	10269	8216	4060	6963	3356	21629	18096	11230	20943	17263	173868
1994-95	11747	47514	15326	7983	4135	8205	4042	22862	20907	12691	24654	18856	198922
1995-96	13828	58188	23367	8010	5461	10709	5405	25513	24396	15149	25112	20894	236032
Operating Expenditure													
1985-86	1955	10643	-	2362	1041	2733	829	5071	4604	2610	3617	6756	44241
1986-87	2085	11680	-	2947	1120	3048	894	5534	5438	2935	4121	8893	48695
1987-88	2404	13574	-	2580	1319	2812	1017	6001	6223	3153	5139	9151	53373
1988-89	2913	14918	-	2918	1142	3418	1100	6621	7282	3366	5128	10114	58920
1989-90	3467	16132	2896	3040	1711	3762	1274	7321	6960	3662	5856	10675	66796
1990-91	3599	17091	4601	3429	1611	4068	1438	7935	8059	4106	6557	11388	73882
1991-92	4038	19384	5448	3841	2264	4213	1660	9061	9800	5001	8787	11414	84931
1992-93	4352	21916	6229	4639	2438	5201	1835	10006	10612	6450	11358	12359	97395
1993-94	5168	23994	7809	5425	3029	5984	2210	10687	11046	6404	12560	12670	106986
1994-95	5441	30061	8718	5695	2612	6225	2913	13102	13035	7132	13636	14139	122909
1995-96	6645	31359	11564	6374	4023	8164	2818	15190	14678	8617	12045	14970	136447

2.8.2 Net And Operating Surplus At Major Ports

(Rs. in Lakhs)

Item/Year	Kandla	Mumbai	J.L.	Mormu-	N.Manga-	Cochin	Tuti-	Chennai	Visakh	Paradip	Haldia	Calcutta	All
:	:	:	Nehru	gao	lore	:	corin	:	:	:	:	:	Ports
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Operating Surplus													
1985-86	1825	5708	-	1398	273	340	549	4047	2305	30	1560	(-)266	17769
1986-87	1533	4742	-	899	670	493	404	4171	2366	973	1677	337	18264
1987-88	1586	4444	-	1025	645	665	253	4161	1873	985	1175	(-)45	16777
1988-89	2019	7363	-	1609	1113	1105	660	5548	3447	1462	3956	1450	29732
1989-90	2379	6207	(-)345	1619	649	1743	816	5780	5265	2356	3950	1876	32295
1990-91	2840	6388	709	1437	1425	1470	809	6424	3767	3520	4552	1936	35277
1991-92	3167	6180	1863	996	945	1615	1026	7004	3693	2956	4290	1171	34906
1992-93	4339	14536	2338	1764	1050	1434	1809	8909	5774	2388	4952	2052	51145
1993-94	5007	17674	2460	2791	1031	979	1146	10942	7050	4826	8383	4593	66882
1994-95	6306	17453	6608	2288	1523	1980	1129	9760	7872	5559	10816	4717	76013
1995-96	7183	26829	11803	1636	1438	2545	2587	10323	9718	6532	13067	5924	99585

Net Surplus

1985-86	2277	7259	-	886	95	(-)1665	322	3674	864	(-)412	1095	(-)1286	14109
1986-87	2119	8029	-	586	324	(-)349	156	3537	823	(-)259	1484	(-)343	16106
1987-88	2193	6962	-	637	288	(-)282	(-)19	3634	786	(-)168	946	(-)2252	12735
1988-89	3046	10319	-	1324	951	(-)67	430	5256	3789	530	3842	128	29548
1989-90	3507	7430	(-)70	1450	386	497	201	5950	3967	803	4590	255	28966
1990-91	4317	6133	556	1313	1106	1040	1028	7251	3408	1673	4732	219	32776
1991-92	5063	5324	1952	1027	952	831	960	6729	3852	1546	4293	185	34714
1992-93	7136	13197	1607	2140	1345	1034	1739	11964	5005	1393	3924	544	51028
1993-94	7955	17825	1130	3020	1355	270	1009	14481	5802	1469	5952	1736	62004
1994-95	9578	14338	6219	2851	1626	837	776	14234	4221	3579	6174	(-)408	64025
1995-96	12606	25434	12542	1936	2057	(-)565	2345	13514	5855	3954	8240	225	88145

2.8.3 Operating Ratio At Major Ports

Item/Year	In Percentage													
	Kandla	Mumbai	J.L.	Morwa	N.Manga	Cochin	Tutl	Chennai	Vishakh	Paradip	Baidia	Calcutta	All	Ports
			Mehru	Gao	lore		corin		patnam					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
1985-86	51.72	65.09	-	63.02	70.22	88.94	60.16	55.62	66.64	98.86	69.87	103.13	71.34	
1986-87	57.63	71.12	-	76.64	62.57	85.06	68.88	57.02	69.68	75.10	71.08	96.35	72.72	
1987-88	60.25	75.34	-	71.57	67.16	80.87	80.08	59.05	76.87	76.01	81.39	100.49	76.08	
1988-89	59.06	66.95	-	64.46	50.64	75.57	62.50	54.41	67.87	69.72	56.45	87.46	66.46	
1989-90	59.31	72.21	113.52	65.25	72.50	68.34	60.96	55.88	57.00	60.98	59.72	85.05	67.41	
1990-91	55.89	72.79	86.65	70.47	53.06	73.46	64.00	55.26	68.15	53.84	59.02	85.47	67.68	
1991-92	56.04	75.83	74.52	79.41	70.55	72.29	62.08	56.40	72.63	62.85	67.19	90.70	70.87	
1992-93	50.07	60.12	72.71	72.45	69.90	78.39	53.28	52.90	64.76	72.98	69.64	85.76	65.57	
1993-94	50.79	57.58	76.04	66.03	74.61	85.94	65.85	49.41	61.04	57.03	59.97	73.39	61.53	
1994-95	46.32	63.27	56.88	71.34	63.17	75.87	72.07	57.31	62.35	56.20	56.12	74.98	61.79	
1995-96	48.05	53.89	49.49	79.58	73.67	76.23	52.14	59.54	60.16	56.68	47.96	71.65	57.61	

2.8.4 Revenue Income, Cost And Surplus/Deficit Per Tonne Of Cargo Handled

Port	(In Rs.)									
	Revenue Income					Cost				
	1993-94	1994-95	1995-96	1993-94	1994-95	1995-96	1993-94	1994-95	1995-96	Surplus/Deficit
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
Kandla	41.53	44.32	45.58	21.09	20.53	21.90	20.44	23.79	23.68	
Mumbai	136.59	154.90	171.56	78.65	98.00	92.46	57.94	56.90	79.10	
J.L. Nehru	303.19	306.03	339.98	230.56	174.08	168.25	72.63	131.95	171.73	
Mormugao	43.90	42.28	44.27	28.98	30.16	35.23	14.92	12.12	9.04	
New Mangalore	47.04	51.66	61.47	35.10	32.63	45.28	11.94	19.03	16.19	
Cochin	91.38	95.06	93.10	78.53	72.12	70.97	12.85	22.94	22.13	
Tuticorin	50.09	50.27	58.21	32.98	36.23	30.35	17.11	14.04	27.86	
Chennai	81.49	77.59	83.05	40.27	44.47	49.44	41.22	33.12	33.61	
Visakhapatnam	70.70	69.62	74.34	43.16	43.41	44.73	127.54	26.21	29.61	
Paradip	134.86	125.39	134.55	76.91	70.47	76.53	57.95	54.92	58.02	
Calcutta*	206.56	211.88	213.83	136.41	136.23	125.56	70.15	75.65	88.27	

* Includes Haldia.

Source : Major Ports

Operating Expenditure is taken as cost.

SECTION-III

MINOR/INTERMEDIATE PORTS

2.1 CARGO TRAFFIC

2.2 PASSENGER TRAFFIC

2.3 SHIP TRAFFIC

2.4 EMPLOYMENT

2.5 PORT FACILITIES AND
PERFORMANCE INDICATORS

3.1.0 List Of Minor Ports

GUJARAT

- 1 Mandvi
- 2 Navlakhi
- 3 Bedi
- 4 Sikka
- 5 Jafarabad
- 6 Okha
- 7 Porbandar
- 8 Veraval
- 9 Bhavnagar
- 10 Bharuch
- 11 Magdalla
- 12 Koteswar
- 13 Mundra
- 14 Jakhau
- 15 Jodia
- 16 Salaya
- 17 Pindhara
- 18 Beyt
- 19 Rupen
- 20 Mangrol
- 21 Kotda
- 22 Madhwad
- 23 Navbunder
- 24 Rajpara
- 25 Pipavav
- 26 Mahuva
- 27 Talaja
- 28 Gogha
- 29 Khambhat
- 30 dahej
- 31 Bhagwa
- 32 Onjal
- 33 Vansi-Borsi
- 34 Billimora
- 35 Valsad
- 36 Umarsadi
- 37 Kolak
- 38 Maroli
- 39 Umargaon
- 40 Mul-Dwarka

ORISSA

- 1 Gopalpur
 - 2 Behrabalpur
- (Balasore) *

KARNATAKA

- 1 Mangalore
- 2 Malpe
- 3 Hangarkatta
- 4 Kundapur
- 5 Bhatkal
- 6 Honavar
- 7 Tadri
- 8 Belekeri
- 9 Karwar

LAKSHADWEEP

- 1 Agatti
- 2 Amini
- 3 Androt
- 4 Bitra
- 5 Chetlat
- 6 Kavaratti
- 7 Kadmat
- 8 Kiltan
- 9 Kalpeni
- 10 Minicoy

GOA

- 1 Panaji
- 2 Chapora
- 3 Betul
- 4 Talpona
- 5 Teracal

ANDHRA PRADESH

- 1 Bhavanapadu
- 2 Caligapatnam *
- 3 Bheemunipatnam *
- 4 Kakinada
- 5 Narsapur *
- 6 Machilipatnam
- 7 Vadarevu *
- 8 Nizapatnam
- 9 Krishnapatnam
- 10 Gangavaram *
- 11 Mayualampalem *
- 12 Rawa

Tamilnadu

- 1 Cuddalore
- 2 Nagapattinam
- 3 Rameswaram
- 4 Pamban
- 5 Colachel
- 6 Valinokkam
- 7 Kanyakumari
- 8 Ennore
- 9 Pannakyal
- 10 Thirukkadnyur

* Non - Working

3.1.0 List of Minor Ports

MAHARASHTRA

1	Dahanu	28	Nandgaon
2	Tarapur	29	Murud-Janjira
3	Nawapur	30	Rajpuri
4	Satpati	31	Mandad
5	Kelwa-Mah	32	Kumbharu
6	Arnala	33	Shriwardhan
7	Datinara	34	Bankot
8	Uttan	35	Kalshet
9	Bassein	36	Harnai
10	Bhiwandi	37	Dabhol
11	Manori	38	Palshet
12	Kalyan	39	Boriya
13	Thane	40	Jaigad
14	Versova	41	Tiwari (Varoda)
15	Bandara	42	Purnagad
16	Trobay	43	Jaitpur
17	Ulwa (Bel	44	Vijaydurg
18	Panvel	45	Deogad
19	Mora	46	Acharya
20	Mandwa	47	Malvan
21	Karanja	48	Niwati
22	Thal	49	Vengurla
23	Rewas	50	Redi
24	Alibag	51	Kiranpani
25	Dharamtor	52	Ratnagiri
26	Revdanda	53	Dhigi
27	Borlimandla		

ANDAMAN & NICOBAR

1	Port Blair
2	Camorta
3	Car Nicobar
4	Eliphinstone
5	Mayabunder
6	Diglipur
7	Rangat
8	Hut Bay
9	Katchal
10	Campbell Bay
11	Neil Haveloc
12	Dugong
13	Creek
14	Chowra
15	Teresa
16	Kondul
17	Pillow Millo
18	East Island
19	Clinque Island
20	Jolloyuoy Island
21	Tillanqchong
22	Castla Bay

DAMAN & DIU

1	Daman
2	Diu
KERALA	
1	Alpuzah *
2	Vadakara *
3	Cannanore *
4	Kasargoda *
5	Kodungallore *
6	Ponnani *
7	Tellicherry *
8	Trivandrum *
9	Quilon *
10	Kozhikode
11	Neendakara
12	Azhikkal
13	Koavalam/Vizhinjam
PONDICHERRY	

1	Pondicherry

* Non - Working

3.1.1 Growth Of Cargo Traffic Handled At Minor/Intermediate Ports
('000 Tonnes)

Year	Overseas		Coastal		Overseas & Coastal				
	:		:		:				
	:Unloaded:Loaded	: Total	:Unloaded:Loaded	: Total	:Unloaded:Loaded	: Total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1980-81	1921	3385	5306	577	849	1426	2498	4234	6732
1981-82	2286	3109	5395	674	938	1612	2960	4047	7007
1982-83	1887	2930	4817	704	1112	1816	2591	4042	6633
1983-84	3186	2932	6118	893	1439	2332	4079	4371	8450
1984-85	4085	3073	7158	1021	1442	2463	5106	4515	9621
1985-86	3873	2887	6760	1034	1261	2295	4907	4148	9055
1986-87	3055	3107	6162	1052	1154	2206	4107	4261	8368
1987-88	1951	1941	3892	928	1070	1998	2879	3011	5890
1988-89	4263	2890	7153	966	955	1921	5229	3845	9074
1989-90	4244	4513	8757	1144	955	2099	5388	5468	10856
1990-91	5713	3854	9567	1964	1251	3215	7677	5105	12782
1991-92	4765	4104	8869	3016	1373	4389	7781	5477	13258
1992-93	6235	4737	10972	3094	1339	4433	9329	6076	15405
1993-94	7566	6644	14210	3839	1421	5260	11405	8065	19470
1994-95	8606	6424	15030	5367	1885	7252	13973	8309	22282
1995-96	9983	8162	18145	5182	2497	7679	15165	10659	25824

3.1.2 - State-Wise Cargo (Overseas/Coastal) At Minor/Intermediate Ports

(In '000 Tonnes)

Year	Gujarat	Mahara- shtra	Goa	Daman & Diu	Karna- taka	Kerala	Tamil- Nadu	Pondi- cherry	Andhra- Pradesh	Orissa	Sea- Islands	Totals
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
OVERSEAS												
1980-81	2193	1171	-	-	824	29	193	49	844	-	-	5303
1985-86	3032	1268	2	-	753	68	445	118	1074	-	-	6760
1986-87	3034	1238	4	-	667	50	255	50	861	3	-	6162
1987-88	2427	361	Neg.	-	250	41	84	0	699	30	...	3892
1988-89	3878	620	...	-	504	272	306	413	1138	22	...	7153
1989-90	5031	1071	...	-	489	120	375	229	1374	68	...	8757
1990-91	6981	599	1	-	418	86	227	70	1124	61	-	9567
1991-92	6797	213	-	-	205	86	185	53	1180	150	-	8869
1992-93	8488	-	-	-	320	90	260	47	1560	207	-	10972
1993-94	11901	-	-	-	163	60	80	22	1772	212	-	14210
1994-95	12828	27	-	-	281	162	124	26	1382	200	-	15030
1995-96	14671	359	-	-	342	162	116	26	2269	200	-	18145
COASTAL												
1980-81	587	202	8	7	244	162	-	-	5	-	214	1429
1985-86	1533	332	Neg.	4	106	43	35	-	-	-	242	2295
1986-87	1455	294	1	3	153	40	0	-	-	-	260	2206
1987-88	1467	320	Neg.	3	167	41	0	-	-	-	28	2026
1988-89	1469	242	...	1	151	32	0	-	-	-	27	1922
1989-90	1596	268	...	1	164	37	1	-	-	-	32	2099
1990-91	2332	329	-	-	193	44	Neg.	-	-	-	317	3215
1991-92	3499	319	12	Neg.	178	44	-	-	-	-	337	4389
1992-93	3396	303	212	Neg.	150	35	-	-	-	-	337	4433
1993-94	3844	646	212	-	147	39	-	-	35	-	337	5260
1994-95	4115	2419	212	-	174	35	-	-	5	-	292	7252
1995-96	3810	3112	212	-	181	35	-	-	34	-	295	7679

3.1.2 - State-Wise Cargo (Overseas/Coastal) At Minor/Intermediate Ports

(In '000 Tonnes)

Year	Gujarat	Mahara- shtra	Goa	Daman & Diu	Karna- taka	Kerala	Tamil- Nadu	Pondi- cherry	Andhra- Pradesh	Orissa	Sea- Islands	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
TOTAL												
1980-81	2780	1373	8	7	1068	191	193	49	849	-	214	6732
1985-86	4565	1600	2	4	859	111	480	118	1074	-	242	9055
1986-87	4489	1532	5	3	820	90	255	50	861	3	260	8368
1987-88	3894	681	-	3	417	82	84	-	699	30	28	5918
1988-89	5347	862	-	1	655	304	306	413	1138	22	27	9075
1989-90	6627	1339	-	1	653	157	376	229	1374	68	32	10856
1990-91	9313	928	1	-	611	130	227	70	1124	61	317	12782
1991-92	10296	532	12	-	383	130	185	53	1180	150	337	13258
1992-93	11884	303	212	-	470	125	260	47	1560	207	337	15405
1993-94	15745	646	212	-	310	99	80	22	1807	212	337	19470
1994-95	16943	2446	212	-	455	197	124	26	1387	200	292	22282
1995-96	18481	3471	212	-	523	197	116	26	2303	200	295	25824

* Figures pertain to only Lakshadweep.

3.1.3 - State-Wise Cargo (Unloaded & Loaded) At Minor/Intermediate Ports

(in '000 Tonnes)

Year	Gujarat	Mahara- ashtra	Goa	Daman & Diu	Karna- taka	Kerala	Tamil- Nadu	Pondi- cherry	Andhra- Pradesh	Orissa	Sea- Islands	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
UNLOADED												
1980-81	1492	130	7	3	251	20	101	49	331	-	114	2498
1985-86	2864	306	Neg.	4	436	12	385	118	666	-	116	4907
1986-87	2648	279	-	3	353	15	187	50	438	-	134	4107
1987-88	2159	339	Neg.	3	72	9	36	-	262	-	27	2907
1988-89	3102	239	...	1	356	175	258	413	659	-	27	5230
1989-90	3495	254	...	1	344	40	326	229	642	26	31	5388
1990-91	5993	328	-	Neg.	271	9	217	70	504	50	235	7677
1991-92	6245	305	6	Neg.	223	9	182	53	402	118	238	7781
1992-93	7334	298	88	Neg.	284	6	248	47	632	154	238	9329
1993-94	9532	622	88	Neg.	164	1	62	22	545	131	238	11405
1994-95	10319	2301	88	-	287	5	93	26	456	161	232	13968
1995-96	10152	3376	88	-	333	5	114	26	671	161	239	15165
LOADED												
1980-81	1288	1243	1	4	817	171	92	-	518	-	100	4234
1985-86	1701	1294	2	Neg.	423	99	95	Neg.	408	-	126	4148
1986-87	1841	1253	5	-	467	75	68	-	423	3	126	4261
1987-88	1735	342	-	-	345	73	48	-	437	30	1	3011
1988-89	2245	623	...	-	299	129	48	-	479	22	Neg.	3845
1989-90	3132	1085	...	-	309	117	50	-	732	42	1	5468
1990-91	3320	600	1	-	340	121	10	-	620	11	82	5105
1991-92	4051	227	6	-	160	121	3	-	778	32	99	5477
1992-93	4550	5	124	-	186	119	12	-	928	53	99	6076
1993-94	6213	24	124	-	146	98	18	-	1262	81	99	8065
1994-95	6624	145	124	-	168	192	31	-	931	39	60	8314
1995-96	8329	95	124	-	190	192	2	-	1632	39	56	10659

3.1.1.3 - State-Wise Cargo (Unloaded & Loaded) At Minor/Intermediate Ports

(in '000 Tonnes)

Year	Gujarat	Mahara- shtra	Goa	Daman & Diu	Karna- taka	Kerala	Tamil- Nadu	Pondi- cherry	Andhra- Pradesh	Orissa	Sea- Islands	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
TOTAL												
1980-81	2780	1373	8	7	1068	191	193	49	849	-	214	6732
1985-86	4565	1600	2	4	859	111	480	118	1074	-	242	9055
1986-87	4489	1532	5	3	820	90	255	50	861	3	260	8368
1987-88	3894	681	-	3	417	82	84	-	699	30	28	5918
1988-89	5347	862	-	1	655	304	306	413	1138	22	27	9075
1989-90	6627	1339	-	1	653	157	376	229	1374	68	32	10856
1990-91	9313	928	1	-	611	130	227	70	1124	61	317	12782
1991-92	10296	532	12	-	383	130	185	53	1180	150	337	13258
1992-93	11884	303	212	-	470	125	260	47	1560	207	337	15405
1993-94	15745	646	212	-	310	197	80	22	1807	212	337	19470
1994-95	16943	2446	212	-	455	197	124	26	1387	200	292	22282
1995-96	18481	3471	212	-	523	197	116	26	2303	200	295	25824

3.1.4 Cargo Traffic Handled At Minor/Intermediate Ports (State-Wise)

(In '000 Tonnes)

States : U.T.	Overseas	Coastal	Overseas & Coastal						
: :-----:-----:-----:	: :-----:-----:-----:	: :-----:-----:-----:	: :-----:-----:-----:						
: Unloaded:Loaded : Total	: Unloaded:Loaded : Total	: Unloaded:Loaded : Total	: Unloaded:Loaded : Total						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
GUJARAT									
1980-81	1252	941	2193	240	347	587	1492	1288	2780
1985-86	2292	740	3032	572	961	1533	2864	1701	4565
1986-87	2080	954	3034	568	887	1455	2648	1841	4489
1987-88	1605	822	2427	554	913	1467	2159	1735	3894
1988-89	2477	1401	3878	625	844	1469	3102	2245	5347
1989-90	2735	2296	5031	760	836	1596	3495	3132	6627
1990-91	4713	2268	6981	1280	1052	2332	5993	3320	9313
1991-92	3894	2903	6797	2351	1148	3499	6245	4051	10296
1992-93	4962	3526	8488	2372	1024	3396	7334	4550	11884
1993-94	6759	5142	11901	2773	1071	3844	9532	6213	15745
1994-95	7679	5149	12828	2640	1475	4115	10319	6624	16943
1995-96	8466	6205	14671	1686	2124	3810	10152	8329	18481
MAHARASHTRA									
1980-81	-	1171	1171	130	72	202	130	1243	1373
1985-86	-	1268	1268	306	26	332	306	1294	1600
1986-87	-	1238	1238	279	15	294	279	1253	1532
1987-88	30	331	361	309	11	320	339	342	681
1988-89	-	620	620	239	3	242	239	623	862
1989-90	-	1071	1071	254	14	268	254	1085	1339
1990-91	-	599	599	328	1	329	328	600	928
1991-92	-	213	213	305	14	319	305	227	532
1992-93	-	-	-	298	5	303	298	5	303
1993-94	-	-	-	622	24	646	622	24	646
1994-95	-	27	27	2301	118	2419	2301	145	2446
1995-96	332	27	359	3044	68	3112	3376	95	3471

3.1.4 Cargo Traffic Handled At Minor/Intermediate Ports (State-Wise)

(In '000 Tonnes)									
States : Overseas : Coastal : Overseas & Coastal									
U.T. :									
:Unloaded:Loaded : Total :Unloaded:Loaded : Total :Unloaded:Loaded : Total									
(1) (2) (3) (4) (5) (6) (7) (8) (9) (10)									
GOA									
1980-81	-	-	-	7	1	8	7	1	8
1985-86	-	2	2	Neg.	-	-	-	2	2
1986-87	-	4	4	-	1	1	-	5	5
1987-88	Neg.	-	-	Neg.	-	-	-	-	-
1988-89	...	...	...	...	...	-	-	-	-
1989-90	...	...	...	...	...	-	-	-	-
1990-91	-	1	1	-	-	-	-	1	1
1991-92	-	-	-	6	6	12	6	6	12
1992-93	-	-	-	88	124	212	88	124	212
1993-94	-	-	-	88	124	212	88	124	212
1994-95	-	-	-	88	124	212	88	124	212
1995-96	-	-	-	88	124	212	88	124	212
Daman & Diu									
1980-81	-	-	-	3	4	7	3	4	7
1985-86	-	-	-	4	Neg.	4	4	-	4
1986-87	-	-	-	3	-	3	3	-	3
1987-88	-	-	-	3	-	3	3	-	3
1988-89	-	-	-	1	-	1	1	-	1
1989-90	-	-	-	1	-	1	1	-	1
1990-91	-	-	-	Neg.	-	Neg.	Neg.	-	Neg.
1991-92	-	-	-	Neg.	-	Neg.	Neg.	-	Neg.
1992-93	-	-	-	Neg.	-	Neg.	Neg.	-	Neg.
1993-94	-	-	-	Neg.	-	Neg.	Neg.	-	Neg.
1994-95	-	-	-	Neg.	-	Neg.	Neg.	-	Neg.
1995-96	-	-	-	-	-	-	-	-	-

3.1.4 Cargo Traffic Handled At Minor/Intermediate Ports (State-Wise)

(In '000 Tonnes)

States : U.T.	Overseas		Coastal		Overseas & Coastal				
	: Unloaded:	: Loaded	: Unloaded:	: Loaded	: Unloaded:	: Loaded			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
KARNATAKA									
1980-81	177	647	824	74	170	244	251	817	1068
1985-86	412	341	753	24	82	106	436	423	859
1986-87	293	374	667	60	93	153	353	467	820
1987-88	18	232	250	54	113	167	72	345	417
1988-89	285	219	504	71	80	151	356	299	655
1989-90	250	239	489	94	70	164	344	309	653
1990-91	159	259	418	112	81	193	271	340	611
1991-92	116	89	205	107	71	178	223	160	383
1992-93	192	128	320	92	58	150	284	186	470
1993-94	81	82	163	83	64	147	164	146	310
1994-95	186	95	281	101	73	174	287	168	455
1995-96	242	100	342	91	90	181	333	190	523
KERALA									
1980-81	16	13	29	4	158	162	20	171	191
1985-86	-	68	68	12	31	43	12	99	111
1986-87	7	43	50	8	32	40	15	75	90
1987-88	-	41	41	9	32	41	9	73	82
1988-89	171	101	272	4	28	32	175	129	304
1989-90	36	84	120	4	33	37	40	117	157
1990-91	Neg.	86	86	9	35	44	9	121	130
1991-92	Neg.	86	86	9	35	44	9	121	130
1992-93	-	90	90	6	29	35	6	119	125
1993-94	1	59	60	-	39	39	1	98	99
1994-95	5	157	162	-	35	35	5	192	197
1995-96(P)	5	157	162	-	35	35	5	192	197

3.1.4 Cargo Traffic Handled At Minor/Intermediate Ports (State-Wise)

(In '000 Tonnes)

States : U.T.	Overseas	Coastal	Overseas & Coastal							
: : Unloaded:Loaded : Total : Unloaded:Loaded : Total : Unloaded:Loaded : Total	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
TAMILNADU										
1980-81	101	92	193	-	-	-	-	101	92	193
1985-86	385	60	445	-	35	35	-	385	95	480
1986-87	187	68	255	-	-	-	-	187	68	255
1987-88	36	48	84	-	-	-	-	36	48	84
1988-89	258	48	306	-	Neg.	-	-	258	48	306
1989-90	326	49	375	-	1	1	-	326	50	376
1990-91	217	10	227	Neg.	-	-	-	217	10	227
1991-92	182	3	185	-	-	-	-	182	3	185
1992-93	248	12	260	-	-	-	-	248	12	260
1993-94	62	18	80	-	-	-	-	62	18	80
1994-95	93	31	124	-	-	-	-	93	31	124
1995-96	114	2	116	-	-	-	-	114	2	116
PONDICHERY										
1980-81	49	-	49	-	-	-	-	49	-	49
1985-86	118	-	118	-	-	-	-	118	Neg.	118
1986-87	50	-	50	-	-	-	-	50	-	50
1987-88	-	-	-	-	-	-	-	-	-	-
1988-89	413	-	413	-	-	-	-	413	-	413
1989-90	229	-	229	-	-	-	-	229	-	229
1990-91	70	-	70	-	-	-	-	70	-	70
1991-92	53	-	53	-	-	-	-	53	-	53
1992-93	47	-	47	-	-	-	-	47	-	47
1993-94	22	-	22	-	-	-	-	22	-	22
1994-95	26	-	26	-	-	-	-	26	-	26
1995-96 (P)	26	-	26	-	-	-	-	26	-	26

3.1.4 Cargo Traffic Handled At Minor/Intermediate Ports (State-Wise)

(In '000 Tonnes)

States : U.T.	Overseas	Coastal	Overseas & Coastal						
:Unloaded:Loaded	: Total :Unloaded:Loaded	: Total :Unloaded:Loaded	: Total						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
ANDHRA PRADESH									
1980-81	326	518	844	5	-	5	331	518	849
1985-86	666	408	1074	-	-	-	666	408	1074
1986-87	438	423	861	-	-	-	438	423	861
1987-88	262	437	699	-	-	-	262	437	699
1988-89	659	479	1138	-	-	-	659	479	1138
1989-90	642	732	1374	-	-	-	642	732	1374
1990-91	504	620	1124	-	-	-	504	620	1124
1991-92	402	778	1180	-	-	-	402	778	1180
1992-93	632	928	1560	-	-	-	632	928	1560
1993-94	510	1262	1772	35	-	35	545	1262	1807
1994-95	456	926	1382	5	-	5	461	926	1387
1995-96	637	1632	2269	34	-	34	671	1632	2303
ORISSA									
1980-81	-	-	-	-	-	-	-	-	-
1985-86	-	-	-	-	-	-	-	-	-
1986-87	-	3	3	-	-	-	-	3	3
1987-88	-	30	30	-	-	-	-	30	30
1988-89	-	22	22	-	-	-	-	22	22
1989-90	26	42	68	-	-	-	26	42	68
1990-91	50	11	61	-	-	-	50	11	61
1991-92	118	32	150	-	-	-	118	32	150
1992-93	154	53	207	-	-	-	154	53	207
1993-94	131	81	212	-	-	-	131	81	212
1994-95	161	39	200	-	-	-	161	39	200
1995-96(P)	161	39	200	-	-	-	161	39	200

3.1.4 Cargo Traffic Handled At Minor/Intermediate Ports (State-Wise)

(In '000 Tonnes)

States : U.T.	Overseas	Coastal	Overseas & Coastal						
: Unloaded:Loaded	: Total : Unloaded:Loaded	: Total : Unloaded:Loaded	: Total						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
SEA ISLANDS									
ANDAMAN GROUP (1)									
1980-81	-	3	3	104	95	199	104	98	202
1985-86	-	-	-	103	126	229	103	126	229
1986-87	-	-	-	103	126	229	103	126	229
1987-88	...	...	...	...	...	...	...	...	...
1988-89	...	...	...	...	...	...	...	...	...
1989-90	...	...	...	...	...	...	...	...	...
1990-91	-	-	-	202	77	279	202	77	279
1991-92	-	-	-	205	94	299	205	94	299
1992-93	-	-	-	205	94	299	205	94	299
1993-94	-	-	-	205	94	299	205	94	299
1994-95	-	-	-	232	60	292	232	60	292
1995-96	-	-	-	239	56	295	239	56	295
LAKSHADWEEP (11)									
1980-81	-	-	-	10	2	12	10	2	12
1985-86	-	-	-	13	-	13	13	-	13
1986-87	-	-	-	31	-	31	31	-	31
1987-88	-	-	-	27	1	28	27	1	28
1988-89	-	-	-	27	Neg.	27	27	-	27
1989-90	-	-	-	31	1	32	31	1	32
1990-91	-	-	-	33	5	38	33	5	38
1991-92	-	-	-	33	5	38	33	5	38
1992-93	-	-	-	33	5	38	33	5	38
1993-94	-	-	-	33	5	38	33	5	38
1994-95	-	-	-	...	...	...	...	...	...
1995-96	-	-	-	...	...	...	...	...	...

3.1.4 Cargo Traffic Handled At Minor/Intermediate Ports (State-Wise)

(In '000 Tonnes)									
States : Overseas : Coastal : Overseas & Coastal									
U.T. : Unloaded:Loaded : Total :Unloaded:Loaded : Total :Unloaded:Loaded : Total									
(1) (2) (3) (4) (5) (6) (7) (8) (9) (10)									
TOTAL									
1980-81	1921	3385	5306	577	849	1426	2498	4234	6732
1985-86	3873	2887	6760	1034	1261	2295	4907	4148	9055
1986-87	3055	3107	6162	1052	1154	2206	4107	4261	8368
1987-88	1951	1941	3892	956	1070	2026	2907	3011	5918
1988-89	4263	2890	7153	967	955	1922	5230	3845	9075
1989-90	4244	4513	8757	1144	955	2099	5388	5468	10856
1990-91	5713	3854	9567	1964	1251	3215	7677	5105	12782
1991-92	4765	4104	8869	3016	1373	4389	7781	5477	13258
1992-93	6235	4737	10972	3094	1339	4433	9329	6076	15405
1993-94	7566	6644	14210	3839	1421	5260	11405	8065	19470
1994-95	8606	6424	15030	5367	1885	7252	13973	8309	22282
1995-96(P)	9983	8162	18145	5182	2497	7679	15165	10659	25824

3.1.5 Transshipment Traffic

(In '000 Tonnes)

State/Port	Commodity	1992-93	1993-94	1994-95	1995-96
Gujarat					
Sikka	Light Diesel Oil	-	-	-	-
	Crude Oil	1909	3603	2522	2663
Bedi	Iron Ore	-	-	60	-
	Coal Cargo	24	-	-	-
Bhavnagar	Iron Ore	269	276	284	46
	Celibrated Iron Ore	-	58	192	32
	Clinker	-	-	57	57
	HBI	-	8	56	88
	Steel Scrap	-	-	38	-
Andhra Pradesh					
Kakinada	Wheat	123	-	-	-
Maharashtra	G.Cargo	-	3	-	-
Tamilnadu					
Cuddalore		-	-	-	1
Total Transshipment		2325	3948	3209	2887

3.1.6 - Overseas Cargo Traffic Handled In Principal Commodities

(In '000 Tonnes)

Commodity										
	1993-94		1994-95		1995-96					
	: Unloaded:Loaded		: Total :Unloaded:Loaded		: Total :Unloaded:Loaded		: Total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
GUJARAT	6759	5142	11901	7679	5149	12828	8466	6205	14671	
Fertilizer & Raw Material	1538	-	1538	1206	-	1206	1460	-	1460	
Iron Ore	2	-	2	1231	-	1231	915	79	994	
Building Material	-	1146	1146	22	1727	1749	2	1112	1114	
Oil Cakes	-	2479	2479	-	2153	2153	-	2042	2042	
Coke	188	140	328	997	-	997	1679	-	1679	
Oil Cargo	3662	-	3662	2644	-	2644	2673	-	2673	
Others	1369	1377	2746	1579	1269	2848	1737	2972	4709	
MAHARASHTRA	-	-	-	-	27	27	332	27	359	
Cement Clinker	-	-	-	-	13	13	-	-	-	
Ethylene	-	-	-	-	14	14	154	-	154	
Iron Ore	-	-	-	-	-	-	178	27	205	
GOA	-	-	-	-	-	-	-	-	-	
KARNATAKA	81	82	163	186	95	281	242	100	342	
Fertilizer & Raw Material	36	-	36	186	-	186	242	-	242	
Chemicals	-	-	-	-	4	4	-	12	12	
Foodgrains	23	-	23	-	-	-	-	-	-	
Granite	-	79	79	-	91	91	-	88	88	
Others	22	3	25	-	-	-	-	-	-	

3.1.6 - Overseas Cargo Traffic Handled In Principal Commodities

(In '000 Tonnes)

Commodity	1993-94	1994-95	1995-96						
	Unloaded:Loaded	Total	Unloaded:Loaded	Total	Unloaded:Loaded	Total	Unloaded:Loaded	Total	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
KERALA	1	59	60	5	157	162	5	157	162 (P)
Illmenite	-	59	59	-	157	157	-	157	157
Others	1	-	1	5	-	5	5	-	5
TAMILNADU	62	18	80	93	31	124	114	2	116
Other Ores	-	14	14	30	31	61	26	-	26
Fertilizer & Raw Material	43	4	47	53	-	53	73	-	73
Others	19	-	19	10	-	10	15	2	17
ANDHRA PRADESH	510	1262	1772	456	926	1382	637	1632	2269
Fertilizer & Raw Material	503	-	503	405	-	405	608	-	608
Foodgrain	-	25	25	-	10	10	-	855	855
Others	7	1237	1244	51	916	967	29	777	806
PONDICHERY	22	-	22	26	-	26	26	-	26
Metal Scrap	-	-	-	23	-	23	23	-	23
Fertiliser	22	-	22	3	-	3	3	-	3

3.1.6 - Overseas Cargo Traffic Handled In Principal Commodities

		(In'000 Tonnes)									
Commodity	(1)	1993-94		1994-95		1995-96					
		: Unloaded:Loaded		: Unloaded:Loaded		: Total :Unloaded:Loaded		: Total			
		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
ORISSA	131	81	212	161	39	200	161	39	200		
Other Ores	-	81	81	-	35	35	-	35	35		
Fertiliser	131	-	131	161	4	165	161	4	165		
Foodgrains	-	-	-	-	-	-	-	-	-		
TOTAL	7566	6644	13921	8606	6424	15030	9983	8166	18149		
Fertilizer											
Raw Material	2273	4	2277	1660	4	1664	1778	4	1782		
Iron & Other											
Ores	-	154	154	1284	164	1448	1119	298	1417		
Foodgrains	165	134	10	-	10	10	-	855	855		
Oil Cakes	-	2479	2479	-	2153	2153	-	2042	2042		
Building Material	-	1146	1146	22	1727	1749	2	1112	1114		
Granite	-	79	79	-	91	91	-	88	88		
Coke	188	140	328	997	-	997	1679	-	1679		
Ethylene	-	-	-	-	14	14	154	-	154		
Oil Cargo	3662	-	3662	2664	-	2664	2673	-	2673		
Chemicals	-	2	2	-	4	4	-	12	12		
Others	1278	2506	3784	1979	2257	4236	2578	3755	6333		

3.1.7 - Coastal Cargo Traffic Handled In Principal Commodities

(In '000 Tonnes)

Commodity	1993-94		1994-95		1995-96				
	: Unloaded:	: Loaded :	: Total :	: Unloaded:	: Loaded :	: Total :	: Unloaded:	: Loaded :	: Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
GUJARAT	2773	1071	3844	2640	1475	4115	1686	2124	3810
1. Building Material	388	697	1085	474	1080	1554	571	1586	2157
2. Iron Ore	2194	139	2333	1920	30	1950	802	64	866
3. Salt	-	134	134	-	86	86	-	70	70
4. Others	191	101	292	246	279	525	313	404	717
MAHARASHTRA	622	24	646	2301	118	2419	3044	68	3112
1. Building Material*	322	-	322	598	-	598	701	-	701
2. Ethylene	-	-	-	35	-	35	-	-	-
3. Iron ore & Palet	261	24	285	1664	118	1782	2343	68	2411
4. Others	39	-	39	4	-	4	-	-	-
GOA	88	124	212	88	124	212	88	124	212

* Includes Clinkers

3.1.7 - Coastal Cargo Traffic Handled In Principal Commodities

		(In '000 Tonnes)									
Commodity		1993-94		1994-95		1995-96					
		: Unloaded:Loaded		: Total :Unloaded:Loaded		: Total :Unloaded:Loaded		: Total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)		
KARNATAKA	83	64	147	101	73	174	91	90	181		
1. Building Material	-	29	29	-	23	23	-	40	40		
2. Salt	79	-	79	97	-	97	68	-	68		
3. Others	4	35	39	4	50	54	23	50	73		
ANDHRA PRADESH	35	-	35	-	5	5	34	-	34		
1. Salt	35	-	35	-	-	-	34	-	34		
2. Others	-	-	-	-	5	5	-	-	-		
KERALA	-	39	39	-	35	35	-	35	35 (P)		
1. Building Material	-	18	18	-	18	18	-	18	18		
2. Others	-	21	21	-	17	17	-	17	17		
LAKSHADWEEP	33	5	38	...	...	...	...	...	...		
1. Building Material	16	-	16	...	...	...	...	...	...		
2. Others	17	5	22	...	...	...	...	...	...		

3.1.7 - Coastal Cargo Traffic Handled in Principal Commodities

(In '000 Tonnes)

Commodity	1993-94		1994-95		1995-96				
	: Unloaded:	: Loaded :	: Total :	: Unloaded:	: Loaded :	: Total :	: Unloaded:	: Loaded :	: Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
ANDAMAN & NICOBAR									
1. Building Material	42	34	76	56	43	99	37	56	93
2. Food Grain	51	31	82	49	-	49	50	-	50
3. Mineral Fuel	51	4	55	72	-	72	72	-	72
4. Others	61	25	86	55	17	72	80	-	80
TOTAL	3839	1421	5260	5367	1885	7252	5182	2497	7679
1. Building Material									
2. Salt	768	778	1546	1128	1164	2292	1309	1682	2991
3. Iron ore & Pellet	116	134	250	97	86	183	102	70	172
4. Ethylene	2455	163	2618	3584	148	3732	3145	132	3277
5. Food Grains	-	-	-	35	-	35	-	-	-
6. Mineral Fuel	51	31	82	49	-	49	50	-	50
7. Others	51	4	55	72	-	72	72	-	72
	398	311	709	402	487	889	504	613	1117

3.1.8 Overseas Cargo Traffic At Selected Minor/Intermediate
Ports During 1994-95 And 1995-96

Port./Commodity	(In '000 Tonnes)						
	Unloaded			Loaded			Total
	1994-95 : 1995-96 : 1994-95 : 1995-96 : 1994-95 : 1995-96						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	
GUJARAT							
1. Bedi	542	371	1954	2481	2496	2852	
a) Foodgrains	83	35	5	573	88	608	
b) Rock Phosphate	131	-	-	-	131	-	
c) Other Fertilizers	241	322	-	-	241	322	
d) Iron Ore	61	-	-	-	61	-	
e) Oil Cakes	-	-	1948	1894	1948	1894	
f) Others	26	14	1	14	27	28	
2. Okha	737	877	612	691	1349	1568	
a) Foodgrains	26	-	40	221	66	221	
b) Fertilizer finished	33	40	-	-	33	40	
c) Building Material	-	-	455	271	455	271	
d) Chemicals	-	21	42	35	42	56	
e) Coke & Coal	636	630	-	-	636	630	
f) Ore	-	5	72	153	72	158	
g) Others	42	181	3	11	45	192	
3. Shavnagar	481	547	312	466	793	1013	
a) Building Material	22	-	57	57	79	57	
b) Fertilizer finished	174	128	-	-	174	128	
c) Rock Phosphate	246	107	-	-	246	107	
d) Other fertilizer	38	312	-	-	38	312	
f) Others	1	-	255	409	256	409	

3.1.8 Overseas Cargo Traffic At Selected Minor/Intermediate
Ports During 1994-95 And 1995-96

Port/Commodity	(In '000 Tonnes)						
	Unloaded		Loaded		Total		
	1994-95 : 1995-96	1994-95 : 1995-96	1994-95 : 1995-96	1994-95 : 1995-96	1994-95 : 1995-96	1994-95 : 1995-96	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	
4. Navalakhi	282	183	169	471	451	654	
a) Foodgrains	-	-	-	152	-	152	
b) Fertilizer finished	271	143	-	-	271	143	
c) Salt	-	-	169	126	169	126	
d) Others	11	40	-	193	11	233	
5. Sikka	3093	3339	171	207	3264	3546	
a) Oil Cargo	2523	2663	-	-	2523	2663	
b) P. Acid	452	531	-	-	452	531	
c) Building Material	-	-	171	207	171	207	
d) Liquid Amonia	118	145	-	-	118	145	
d) Others	-	-	-	-	-	-	
6. Magadalla	1970	2167	517	555	2487	2722	
a) Rock Phosphate	176	231	-	-	176	231	
b) Other fertilizer	52	148	-	-	52	148	
c) Iron Ore	1171	915	-	79	1171	994	
d) Iron & Steel	200	257	487	74	687	331	
e) Others	371	616	30	402	401	1018	
MAHARASHTRA							
1. Revdanda	-	178	-	-	-	178	
a) Iron Ore	-	178	-	-	-	178	
2. Ratnagiri	-	154	27	-	27	154	
a) Ethylene	-	154	14	-	14	154	
b) Cement Clinker	-	-	13	-	13	-	

3.1.8 Overseas Cargo Traffic At Selected Minor/Intermediate
Ports During 1994-95 And 1995-96

		(In '000 Tonnes)				
Port/Commodity	(1)	Unloaded		Loaded		Total
		1994-95 : 1995-96 : 1994-95 : 1995-96 : 1994-95 : 1995-96				
		(2)	(3)	(4)	(5)	(6) (7)
KARNATAKA						
1. Karwar		110	152	94	100	204 252
a) Foodgrains		-	-	-	-	-
b) Rock Phosphate		40	69	-	-	40 69
c) Fertilizer finished		70	83	-	-	70 83
d) Granite		-	-	91	88	91 88
e) P. Acid		-	-	3	8	3 8
f) Others		-	-	-	4	- 4
2. Mangalore		75	90	-	-	75 90
a) Foodgrains		-	-	-	-	-
b) Fertilizer finished		64	90	-	-	64 90
c) Others		11	-	-	-	11 -
KERALA						
Neendakara		-	-	157	157	157 (P) 157
TAMILNADU						
1. Cuddalore		90	114	-	2	90 116
a) Fertilizer finished		53	72	-	-	53 72
b) Other Ores		30	26	-	-	30 26
c) Others		7	16	-	2	7 18

3.1.8 Overseas Cargo Traffic At Selected Minor/Intermediate
Ports During 1994-95 And 1995-96

(In '000 Tonnes)								
Port/Commodity	Unloaded		:	Loaded		:	Total	
	1994-95 : 1995-96 : 1994-95 : 1995-96 : 1994-95 : 1995-96							
	(1)	(2)	(3)	(4)	(5)	(6)		(7)
ANDHRA PRADESH								
1. Kakinada	426	572	926	1632	1352	2204		
a) Foodgrain	24	29	10	855	34	884		
b) Fertiliser finished	353	466	-	-	353	466		
c) Rock Phosphate	22	77	-	-	22	77		
d) Other Ores	-	-	5	6	5	6		
e) Others	27	-	911	771	938	771		
ORISSA								
1. Gopalpur	161	161	39	39	200	200		
a) Other Ores	-	-	35	35	35	35		
b) Fertiliser finished	161	161	4	4	165	165		
Total (above Ports)	7967	8905	4978	6801	12945	15706		
Total for all Minor/ Intermediate Port	8602	9983	6326	8162	14928	18145		

3.1.9 Coastal Cargo Traffic At Selected Minor/Intermediate
Ports During 1994-95 And 1995-96

(In '000 Tonnes)

Port/Commodity	Unloaded			Loaded			Total	
	1994-95	1995-96	1994-95	1994-95	1995-96	1994-95	1995-96	1995-96
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
GUJARAT								
1. Okha	239	40	28	2	267	42		
a) Fuel Oil	79	40	-	-	79	40		
b) Bauxite	-	-	17	2	17	2		
c) Coal	160	-	-	-	160	-		
d) Others	-	-	11	-	11	-		
2. Magadalla	1908	1470	224	319	2132	1789		
a) Cement Clinkers	451	571	-	-	451	571		
b) Iron Ore	1427	755	30	32	1457	787		
c) Iron & Steel	8	12	166	197	174	209		
d) Others	22	132	28	90	50	222		
3. Jafrabad	-	-	651	990	651	990		
a) Cement Clinkers	-	-	651	990	651	990		
b) Others	-	-	-	-	-	-		
4. Sikka	-	129	86	68	86	197		
a) Salt	-	-	86	68	86	68		
b) Coal	-	129	-	-	-	129		
MAHARASHTRA								
1. Ratnagiri	280	308	26	-	306	308		
a) Cement Clinkers	245	308	12	-	257	308		
b) Ethylene	35	-	14	-	49	-		

3.1.9 Coastal Cargo Traffic At Selected Minor/Intermediate
Ports During 1994-95 And 1995-96

(In '000 Tonnes)

Port/Commodity	Unloaded		Loaded			Total		
	1994-95	1995-96	1994-95	1995-96	1994-95	1994-95	1995-96	
(1)	(2)	(3)	(4)	(5)	(6)	(6)	(7)	
2. Revdanda	863	708	-	-	-	863	708	
a) Iron Ore Pellet	861	708	-	-	-	861	708	
b) Coking Coal	2	-	-	-	-	2	-	
3. Dhamtar ²	803	1635	-	-	-	803	1635	
a) Iron Ore Pellet	803	1635	-	-	-	803	1635	
KARNATAKA								
1. Karwar	97	86	14	4	111	97	90	
a) Salt	97	68	-	-	97	68	68	
b) Iron Ore	-	-	12	4	12	4	4	
c) Others	-	18	2	-	2	18	18	
KERALA								
1. Calicut/Bey pore	-	-	32	32	32	32	32(P)	
a) Building material	-	-	18	18	18	18	18	
b) Rice/Wheat	-	-	4	4	4	4	4	
c) Others	-	-	10	10	10	10	10	
2. Azhikkal	-	-	3	3	3	3	3(P)	
a) Building material	-	-	3	3	3	3	3	

3.1.9 Coastal Cargo Traffic At Selected Minor/Intermediate Ports During 1994-95 And 1995-96

Port/Commodity	(In'000 Tonnes)					
	Unloaded		Loaded		Total	
	1994-95	1995-96	1994-95	1995-96	1994-95	1995-96
(1)	(2)	(3)	(4)	(5)	(6)	(7)
ANDAMAN & NICOBAR						
Port Blair	232	239	60	56	292	295
a) Building Material	56	37	43	56	99	93
b) Mineral fuel	72	72	-	-	72	72
c) Others	104	130	17	-	121	130
Total for above Ports	4422	4615	1124	1474	5546	6089
a) Fuel Oil	151	40	-	-	151	40
b) Bauxite	-	-	17	2	17	2
c) Cement Clinkers	752	879	724	990	1476	1869
d) Salt	97	68	86	68	183	136
e) Iron Ore & Pellets	2115	3098	-	36	2115	3134
f) Building material	-	37	-	58	-	95
g) Rice, Wheat	35	-	11	4	46	4
h) Ethylene	-	-	-	-	-	-
i) Coal	162	129	-	-	162	129
j) Iron & Steel	8	12	166	197	174	209
k) Others	1102	352	120	119	1222	471
Total All Minor/Intermediate Ports	5367	5182	1885	2497	7252	7679

3.1.10 Cargo Traffic Handled At Selected Minor/Intermediate Ports in 1994-95 And 1995-96

(In '000 Tonnes)

State/Port	Overseas			Coastal			Total					
	Unloaded	:	Loaded	Unloaded	:	Loaded	Unloaded	:	Loaded	:	Loaded	
	1994-95	:	1995-96	1994-95	:	1995-96	1994-95	:	1995-96	:	1994-95 : 1995-96	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
GUJARAT	7679	8466	5149	6205	2640	1686	1473	2124	10319	10152	6622	8329
Mandvi	55	6	21	168	-	-	3	26	55	6	24	194
Navlakhi	282	183	169	471	-	-	12	-	282	183	181	471
Bedi	542	371	1954	2481	-	-	-	-	542	371	1954	2481
Sikka	3093	3340	171	207	-	129	86	68	3093	3469	257	275
Okha	737	877	612	691	239	40	28	2	976	917	640	693
Porbandar	350	393	641	592	-	-	7	22	350	393	648	614
Veraval	123	307	433	403	16	2	434	611	139	309	867	1014
Bhavnagar	481	547	312	466	477	45	6	35	958	592	318	501
Magadalla	1970	2166	517	555	1908	1470	224	319	3878	3636	741	874
Mundra	3	1	54	171	-	-	-	21	3	1	54	192
Jafrahad	43	275	265	-	-	-	651	990	43	275	916	990
Pipavav	-	-	-	-	-	-	21	29	-	-	21	29
Mahuva	-	-	-	-	-	-	1	1	-	-	1	1
Others	-	-	-	-	-	-	-	-	-	-	-	-

3.1.10 Cargo Traffic Handled At Selected Minor/Intermediate Ports in 1994-95 And 1995-96

(In '000 Tons)

State/Port	Overseas				Coastal				Total			
	Unloaded		Loaded		Unloaded		Loaded		Unloaded		Loaded	
	1994-95	1995-96	1994-95	1995-96	1994-95	1995-96	1994-95	1995-96	1994-95	1995-96	1994-95	1995-96
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
MAHARASHTRA	✓	332	27	27	2301	3044	118	68	2301	3376	145	91
Ratnagiri	-	154	26	-	280	308	-	-	280	462	26	-
Redi	-	-	-	27	-	-	118	68	-	-	118	91
Revdanda	-	178	-	-	863	708	-	-	863	886	-	-
Utwa-Belapur	-	-	-	-	353	392	-	-	353	392	-	-
Dharamtar	-	-	-	-	803	1636	-	-	803	1636	-	-
Dabhol	-	-	-	-	Neg.	Neg.	-	-	Neg.	Neg.	-	-
Others	-	-	1	-	2	-	-	-	2	-	1	-
GOA	-	-	-	-	88	88	124	124	88	88	124	124
Panaji	-	-	-	-	88	88	124	124	88	88	124	124
Daman & Diu	-	-	-	-	-	-	-	-	-	-	-	-
Daman	-	-	-	-	-	-	-	-	-	-	-	-
KARNATAKA	186	242	95	100	101	91	73	90	287	333	168	190
Karwar	111	152	94	100	97	86	14	5	208	238	108	105
Managalore	75	90	-	-	-	-	25	55	75	90	25	55
Tadri	-	-	-	-	-	-	6	-	-	-	6	-
Honawar	-	-	-	-	-	-	2	5	-	-	2	5
Kundapura	-	-	-	-	-	-	2	2	-	-	2	2
Malpe	-	-	1	-	4	5	24	23	4	5	25	23

3.1.10 Cargo Traffic Handled At Selected Minor/Intermediate Ports in 1994-95 And 1995-96

(In '000 Tannes)

State/Port	Overseas				Coastal				Total			
	Unloaded	:	Loaded	:	Unloaded	:	Loaded	:	Unloaded	:	Loaded	:
	1994-95	:	1995-96	:	1994-95	:	1995-96	:	1994-95	:	1995-96	:
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
KERALA	5	5	157	157	-	-	35	35	5	5	192	192(P)
Calicut/ Bey pore Neendakara Azhikkal	5 - - -	5 - - -	- 157 -	- 157 -	- - -	- - -	32 - 3	32 - 3	5 - -	5 - -	32 157 3	32 157 3
TAMIL NADU	93	114	31	2	-	-	-	-	93	114	31	2
Cuddalore Colachel Velinokkam	90 - 3	114 - -	- 31 -	2 - -	- - -	- - -	- - -	- - -	90 - 3	114 - -	- 31 -	2 - -
PONDICHERY	26	26	-	-	-	-	-	-	26	26	-	-
ANDHRA PRADESH	456	637	926	1632	-	34	5	-	456	671	931	1632
Kakinada Krishnapatanam	426 30	572 65	926 -	1632 -	- -	34 -	5 -	- -	426 30	606 65	931 -	1632 -
ORISSA	161	161	39	39	-	-	-	-	161	161	39	39
Gopalpur	161	161	39	39	-	-	-	-	161	161	39	39
SEA ISLANDS	-	-	-	-	232	239	60	56	232	239	60	56
A & N Islands	-	-	-	-	232	239	60	56	232	239	60	56
Lakshadweep	...	...	...	...	...	...	...	...	...	...	...	...

3.1.11 State-Wise Cargo Handled At Minor/Intermediate Ports (1994-95 And 1995-96) By Steamers And Sailing Vessels

(In '000 Tonnes)

State / Port	Overseas					Coastal					Total	
	Unloaded		Loaded		(5)	Unloaded		Loaded		(10)	: (11)	
	(2)	(3)	(4)	(6)		(7)	(8)	(9)				
: 1994-95 : 1995-96 : 1994-95 : 1995-96 : 1994-95 : 1995-96 : 1994-95 : 1995-96 : 1994-95 : 1995-96												
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)			
GUJARAT	7679	8466	5149	6205	2640	1686	1475	2124	16943	18481		
Steamers	5044	5793	5003	5961	2162	1641	1441	2018	13650	15413		
Sailing Vessels	14	10	33	99	1	-	34	74	82	183		
Transhipment	2621	2663	113	145	477	45	-	32	3211	2885		
MAHARASHTRA	-	332	27	27	2301	3044	118	68	2446	3471		
Steamers	-	332	27	27	2301	3044	118	68	2446	3471		
Sailing Vessels	-	-	-	-	-	-	-	-	-	-		
GOA	-	-	-	-	88	88	124	124	212	212 (P)		
Steamers	-	-	-	-	88	88	124	124	212	212		
Sailing Vessels	-	-	-	-	-	-	-	-	-	-		
DAMAN & DIU	-	-	-	-	-	-	-	-	-	-		
Steamers	-	-	-	-	-	-	-	-	-	-		
Sailing Vessels	-	-	-	-	-	-	-	-	-	-		
KARNATAKA	186	242	95	100	101	91	73	90	455	523		
Steamers	186	242	95	100	96	91	17	4	394	437		
Sailing Vessels	-	-	-	-	5	-	56	86	61	86		
KERALA	5	5	157	157	-	-	35	35	197	197 (P)		
Steamers	5	5	157	157	-	-	32	32	194	194		
Sailing Vessels	-	-	-	-	-	-	3	3	3	3		

3.1.11 State-Wise Cargo Handled At Minor/Intermediate Ports
(1994-95 And 1995-96) By Steamers And Sailing Vessels

(In '000 Tonnes)

State / Port	Overseas					Coastal					Total	
	Unloaded		Loaded			Unloaded		Loaded			Overseas & Coastal	
	: 1994-95 : 1995-96		: 1994-95 : 1995-96			: 1994-95 : 1995-96		: 1994-95 : 1995-96			: 1994-95 : 1995-96	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	
TAMILNADU	93	114	31	2	-	-	-	-	-	124	116	
Steamers	93	114	31	2	-	-	-	-	-	124	116	
Sailing Vessels	-	-	-	-	-	-	-	-	-	-	-	
PONDICHERY	26	26	-	-	-	-	-	-	-	26	26 (P)	
Steamers	26	26	-	-	-	-	-	-	-	26	26	
Sailing Vessels	-	-	-	-	-	-	-	-	-	-	-	
ANDHRA PRADESH	456	637	926	1632	5	34	-	-	-	1387	2303	
Steamers	456	637	926	1632	5	34	-	-	-	1387	2303	
Sailing Vessels	-	-	-	-	-	-	-	-	-	-	-	
ORISSA	161	161	39	39	-	-	-	-	-	200	200	
Steamers	161	161	39	39	-	-	-	-	-	200	200	
Sailing Vessels	-	-	-	-	-	-	-	-	-	-	-	
SEA ISLANDS	-	-	-	-	-	232	239	60	56	292	295	
Steamers	-	-	-	-	-	232	239	60	56	292	295	
Sailing Vessels	-	-	-	-	-	-	-	-	-	-	-	
Total	8606	9983	6424	8162	5367	5182	1885	2497	22282	25824	25824	
Steamers	5971	7310	6278	7918	4884	5137	1792	2302	18925	22667	22667	
Sailing Vessels	14	10	33	99	6	-	93	163	146	272	272	
Transshipment	2621	2663	113	145	477	45	-	32	3211	2885	2885	

3.1.12 - Port-Wise Cargo Traffic Handled By Steamers / Sailing Vessels - 1995-96
(In Tonnes)

State / Selected Port	Steamers			Sailing Vessels			Total			
	:			:			:			
	Overseas	Coastal	Overseas	Coastal	Overseas	Coastal	Overseas	Coastal	Sailing Vessels	
UL	L	UL	L	UL	L	UL	L	UL	L	
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.
GUJARAT	8455777	6106662	1686020	2078586	10598	98589	-	44906	18327045	154093
Mandvi	6109	168154	-	25910	-	-	-	-	200173	-
Navlakhi	183164	471060	-	-	-	-	-	-	654224	-
Bedi	361354	2478723	-	-	9621	1807	-	-	2840077	11428
Sikka	676593	207360	128700	68106	-	-	-	-	1080759	-
Okha	876647	685666	39849	-	-	4846	-	1974	1602162	6820
Porbander	392719	573352	-	18343	190	18461	-	4352	984414	23003
Veraval	306563	399258	1750	590835	-	3865	-	19629	1298406	23494
Bhavnagar	547246	320936	-	3206	-	-	-	-	871388	-
Magadalla	2166790	555106	1469871	318510	-	-	-	-	4510277	-
Mundra	-	101797	47	1363	656	69610	-	18563	103207	88829
Jafrabad	275242	-	-	989923	131	-	-	-	1265165	131
Pipavav	-	-	347	29456	-	-	-	-	29803	-
Others	-	-	-	564	-	-	-	388	564	388
Transshipment	2663350	145250	45456	32370	-	-	-	-	2886426	-
MAHARASHTRA	331975	27008	3043824	68221	-	-	295	-	3471028	295
Ratnagiri	154191	-	308311	-	-	-	-	-	462502	-
Redi	-	27008	-	67882	-	-	-	-	94890	-
Utwa Belapur	-	-	392352	-	-	-	-	-	392352	-
Revdanda	177784	-	707533	-	-	-	-	-	885317	-
Dharmtar	-	-	1635234	-	-	-	295	-	1635234	295
Others	-	-	394	339	-	-	-	-	733	-

Note : UL - Unloaded; L - Loaded.

3.1.12 - Port-Wise Cargo Traffic Handled By Steamers / Sailing Vessels - 1995-96

(In Tonnes)

State / Selected Port	Steamers			Sailing Vessels			Total			
	Overseas	Coastal		Overseas	Coastal		Steamers	Sailing Vessels		
	UL	L	UL	L	UL	L				
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.
KERALA (P)	5372	156490	-	31616	-	-	-	3555	193478	3655
Neendakara	-	156490	-	-	-	-	-	-	156490	-
Kozhikode	5372	-	-	31616	-	-	-	-	36988	-
Azhikkal	-	-	-	-	-	-	-	3555	-	3555
GOA	-	-	88662	124693	-	-	-	-	213355	-
DAMAN & DIU	-	-	-	-	-	-	253	-	-	253
Daman	-	-	-	-	-	-	253	-	-	253
KARNATAKA	242164	99928	86461	3877	-	-	4721	86088	432430	90809
Malpe	-	-	-	-	-	-	4721	22634	-	27355
Karwar	152358	99928	86461	3877	-	-	-	1995	342624	1995
Mangalore	89806	-	-	-	-	-	-	55103	89806	55103
Others	-	-	-	-	-	-	-	6356	-	6356
TAMILNADU	113709	2008	-	-	-	-	-	-	115717	-
Cuddalore	113709	2008	-	-	-	-	-	-	115717	-
Colachel	-	-	-	-	-	-	-	-	-	-
Valinokkam	-	-	-	-	-	-	-	-	-	-

Note : UL - Unloaded; L - loaded.

3.1.12 - Port-Wise Cargo Traffic Handled By Steamers / Sailing Vessels - 1995-96

(In Tonnes)

State / Selected Port	Steamers			Sailing Vessels			Total		
	Overseas	Coastal		Overseas	Coastal		Overseas	Coastal	
	UL	L	3.	UL	L	5.	UL	L	7.
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
PONDICHERY	25600	-	-	-	-	-	-	-	25600
ANDHRA PRADESH	637201	1631992	-	-	-	-	-	-	2303122
Kakinada	572240	1631992	33929	-	-	-	-	-	2238161
Krishnapatanam	64961	-	-	-	-	-	-	-	64961
ORISSA	161356	39270	-	-	-	-	-	-	200626
Gopalpur	161356	39270	-	-	-	-	-	-	200626
LAKSHADWEEP	...	...	...	...	...	...	...	...	...
ANDAMAN & NICOBAR	-	-	239009	56259	-	-	-	-	295268
TOTAL	9973154	8063358	5177905	2363252	10598	98589	5269	134549	25577669
									249005

Note : UL - Unloaded; L - Loaded.

3.2.1 Passenger Traffic Handled At Minor/Intermediate Ports

(In '00 Numbers)

Year	Overseas		Coastal		Total	
	Embarked	Disembarked	Embarked	Disembarked	Embarked	Disembarked
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1975-76	415	525	22299	22961	22714	23486
1980-81	829	996	23273	22330	24102	23326
1981-82	905	1012	23418	22067	24323	23079
1982-83	1027	1125	24272	24217	25299	25342
1983-84	649	888	24439	24522	25088	25410
1984-85	446	682	24582	24595	25028	25277
1985-86	-	-	53213	52363	53213	52363
1986-87	-	-	55261	55751	55261	55751
1987-88	91	-	78978	78829	79069	78829
1988-89	-	-	87188	87197	87188	87197
1989-90	-	-	83284	82655	83284	82655
1990-91	-	-	65040	62551	65040	62551
1991-92	-	-	70633	70426	70633	70426
1992-93	41	-	68553	66068	68594	66068
1993-94	-	-	69823	68975	69823	68975
1994-95	-	-	72167	69005	72167	69005
1995-96	-	-	83671	78510	83671	78510

3.2.2 - State-Wise Passenger Traffic - Overseas And Coastal

(In '00 Numbers)

State/UT/Port	1980-81	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
GUJARAT	750	244	283	283	596	10697	1056	1056	1602	1037	325	309
Embarked	398	125	168	168	311	5329	531	531	827	551	163	158
Disembarked	352	119	115	115	285	5368	525	525	775	486	162	151
MAHARASHTRA	42368	102429	107078	140304	155919	139701	121817	135137	128146	132928	139669	160532
Embarked	20939	51660	53356	70238	77968	70199	62236	67790	65396	66964	71437	82900
Disembarked	21429	50769	53722	70066	77951	69502	59581	67347	62750	65964	68232	77632
GOA	1435	1472	2194	1587	1587	-	-	-	-	-	-	-
Embarked	1435	775	1060	817	817	-	-	-	-	-	-	-
Disembarked	-	697	1134	770	770	-	-	-	-	-	-	-
KERALA	7	-	-	20	20	36	33	33	39	50	87	87
Embarked	4	Neg.	Neg.	10	10	11	4	4	21	26	43	43
Disembarked	3	Neg.	Neg.	10	10	25	29	29	18	24	44	44

3.2.2 - State-Wise Passenger Traffic - Overseas And Coastal

(In '00 Numbers)

State/UT/Port	1980-81	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
TAMILNADU	1825	-	-	14021	14380	14494	-	-	42	-	2	-
Embarked	829	-	-	7051	7190	7247	-	-	42	-	1	-
Disembarked	996	-	-	6970	7190	7247	-	-	-	-	1	-
ANDAMAN GROUP	731	854	854	854	854	3288	4685	4833	4833	4833	1089	1253
Embarked	341	375	375	375	375	1547	2269	2308	2308	2308	523	570
Disembarked	390	479	479	479	479	1741	2416	2525	2525	2525	566	683
LAKSHADWEEP GROUP	312	577	603	829	1029	1047	...	...	...	...	...	...
Embarked	156	278	302	410	517	509	...	...	...	...	...	...
Disembarked	156	299	301	419	512	538	...	...	...	...	...	...
ALL MINOR/INTERMEDIATE PORTS	47428	105576	111012	157898	174385	169263	127591	141059	134662	138848	141172	162181
Embarked	24102	53213	55261	79069	87188	84842	65040	70633	68594	69849	72167	83671
Disembarked	23326	52363	55751	78829	87197	84421	62551	70426	66068	68999	69005	78510

3.3.1 Number Of Steamers/Sailing Vessels Entered At Minor/
Intermediate Ports In Various Maritime States

(In Number)

Type of Vessel/Year :	Gujarat : Mahara- : shtra :	Goa : Daman : & Diu :	Karna- : Kerala : taka :	Tamil : Nadu : cherry :	Andhra : Pradesh :	Orissa :	Sea # : Island :				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
STEAMERS											
1990-91	1273	164	176	-	56	41	32	4	128	5	...
1991-92	1199	132	176	-	62	41	19	2	143	7	...
1992-93	2030	117	104	-	83	45	31	2	153	10	1571
1993-94	2109	132	104	-	65	55	20	2	184	11	1612
1994-95	2313	433	104	-	73	65	27	2	126	9	1786
1995-96	2559	500	104	-	63	65	19	2	216	9	4812
SAILING VESSELS											
1990-91	5082	19150	16	253	821	481	61	44	-	-	...
1991-92	5179	19800	17	427	932	418	57	21	-	-	...
1992-93	2186	18390	11	255	1162	402	33	21	-	-	7
1993-94	6716	20053	11	255	813	389	68	-	184	-	27
1994-95	5613	7772	11	212	847	410	22	-	-	-	58
1995-96	4829	14484	11	120	993	410	28	-	-	-	17
TOTAL											
1990-91	6355	19314	192	253	877	522	93	48	128	5	...
1991-92	6378	19932	193	427	994	459	76	23	143	7	...
1992-93	4216	18507	115	255	1245	447	64	23	153	10	1578
1993-94	8825	20185	115	255	878	444	88	2	184	11	1639
1994-95	7926	8205	115	212	920	475	49	2	126	9	1844
1995-96	7388	14984	115	120	1056	475	47	2	216	9	4829

* Data relates to Andaman & Nicobar Island only
From 1992-93 to 1994-95 data is for Port Blair port.
In 1995-96, in addition to Port Blair, steamers entered at
Rangat, Dilgipur, Mayabunder, Hut Bay, Car Nicobar, Nancowry and
Campbell is also included.

3.4.1 Employment At Minor Ports (1995-96)
(In Number)

States/UTs	Officers		Regular Workers		Casual Worker
	Sanctioned	Actual	Sanctioned	Actual	
Gujarat	125	110	2911	2407	318
Maharashtra	-	-	237	237	-
Goa	10	7	168	139	-
Daman & Diu	3	3	20	20	7
Karnataka	74	60	113	79	5452
Kerala @	420	275	-	-	1490
Tamil Nadu	176	166	81	61	-
Pondicherry	8	6	113	93	1000*
Andhra Pradesh	7	5	141	118	4
Orissa	237	144	50	50	302
Andaman & Nicobar Islands	15	10	839	780	59
Lakshadweep	256	217	-	-	4
Total	1331	1003	4673	3984	8636

*Private labourers were engaged by the clearing agency during shipment operation
@ Data relates to 1994-95.

3.5.1 Physical Performance (1994-95 and 1995-96)

Maritime State/UT

Port	No. Of Vessels Left	Average Waiting Time (In Days)		Average Turn Round Time (In Days)	
		1994-95	1995-96	1994-95	1995-96
Gujarat					
Porbandar	97	111		4.9	6.4
Okha	105	126		3.2	-
Veraval	27	14		7.4	7.2
Bedi	239	286		-	-
Sikka	82	95		-	-
Mahuva	12	9		-	-
Gogha	38	17		0.1	0.03
Navalakhi	-	-		-	-
Jafrabad*	446	514		-	-
Bhavnagar @	59	59		-	-

* Jafrabad is a direct berthing port and handling only clinker traffic by smaller coastal vessel only. Since loading is done mechanically the waiting period therefore either due to port account or other account is nil.

@ At this port six vessels at a time are allowed to work. Other vessel have to wait for her turn for working if they do not wish to work with private barges.

3.5.1 Physical Performance (1994-95 and 1995-96)

Port	No. Of Vessels left		Average Waiting Time (In Days)		Average Turn Round Time (In Days)	
	1994-95	1995-96	1994-95	1995-96	1994-95	1995-96
Karnataka						
Kavar	62	63	.06	-	...	-
Tadri	38	65				
Kundapura	22	30	1	-	1	-
Hangarkatta	-	2	-	-	-	-
Malpe	133	125	-	-	-	-
Old Mangalore	587	736	-	-	-	-
Belekeri	-	-	-	-	-	-
Honavar	-	4	-	-	-	-
Tamilnadu						
Cuddalore	14	18	16.5	0.1	...	...
Rameshwaram	10	-	-	-	-	-
Colachel	-	-	-	-	-	-
Daman	212	-	-	-	-	-
Orissa						
Gopalpur	12	12	0.8	0.8	-	-
Maharashtra						
Ulwa Belapur	159	190	0.3	0.3	...	...
Revdanda	-	-	-	-	-	-
Ratangiri	-	-	-	-	-	-

3.5.1 Physical Performance (1994-95 and 1995-96)

Maritime State/UT

Port	No. Of Vessels Left	Average Waiting Time (In Days)	Average Turn Round Time (In Days)
1994-95	1995-96	1994-95	1995-96

Kerala	364	...	1.85	...	2.49	...
Kozhikode	8	8	1	...	19	...
Neendakara	73	5	5	...	2	...

A & N Islands Berthing space is provided immediately.
Turn round time for each vessel called at the port
ranges from 3 to 5 days.

3.5.2 Equipment Available At Various Minor Ports

Maritime state/UT : Andhra Pradesh

Equipment/Port	Kakinada		Machilipatnam	
	1994-95	1995-96	1994-95	1995-96
1. Dredgers	5	5	1	1
2. Cranes				
(a) upto 5 tons	1	1	-	-
(b) 6-10 tons	1	1	1	-
(c) above 10 tons	-	-	-	-
3. Barges				
(a) Dumb (Hopper barge	7	7	-	-
(b) Self-propelled	-	2	-	-
(c) Water barges	2	-	-	-
4. Launches	8	8	2	1
5. Tugs	8	8	1	1

3.5.2 Equipment Available At Various Minor Ports

Maritime state/UT : Karnataka

Equipment/Port	Karwar		Honavar		Kundapura		Old Mangalore	
	1994-95	1995-96	1994-95	1995-96	1994-95	1995-96	1994-95	1995-96
1. Dredgers	1	1	-	-	-	-	-	-
2. Cranes								
(a) upto 5 tons	-	-	-	-	-	-	1	-
(b) 6-10 tons	-	-	-	-	-	-	-	-
(c) above 10 tons	3	3	-	-	-	-	1	1
3. Barges								
(a) Dumb	-	-	-	-	-	-	-	-
(b) Self-propelled	-	-	-	-	1	-	1	-
(c) Water barges								
4. Launches	-	-	-	-	1	1	1	1
5. Tugs	1	1	1	-	1	1	1	1

3.5.2 Equipment Available At Various Minor Ports

Maritime state/UT : A & N Islands

Equipment/Port	Port Blair		Rangat		Mayabunder		Diglipur	
	1994-95	1995-96	1994-95	1995-96	1994-95	1995-96	1994-95	1995-96
1. Dredgers	-	-	-	-	-	-	-	-
2. Cranes								
(a) upto 5 tons	19	18	1	1	1	1	1	1
(b) 6-10 tons	5	7	1	1	2	3	1	1
(c) above 10 tons	3	4	-	-	-	-	-	-
3. Barge								
(a) Dumb	-	-	-	-	-	-	-	-
(b) Self-propelled	-	-	-	-	-	-	-	-
4. Launches	-	6	-	-	-	-	-	-
5. Tugs	-	2	-	-	-	-	-	-

3.5.2 Equipment Available At Various Minor Ports

Maritime state/UT : A & N Islands					
Equipment/Port		Hut Bagar		Nancowry	
		1994-95	1995-96	1994-95	1995-96
1. Dredgers		-	-	-	-
2. Cranes					
(a) upto 5 tons		3	3	-	3
(b) 6-10 tons		2	7	1	1
(c) above 10 tons		-	-	-	2
3. Barges					
(a) Dumb		-	-	-	-
(b) Self-propelled		-	-	-	-
4. Launches		-	-	-	-
5. Tugs		-	-	-	-

3.5.2 Equipment Available At Various Minor Ports

Maritime state/UT : Tamilnadu

Equipment/Port	Cuddalore		Rameshwaram		Mayabunder		Kanya Kumari	
	1994-95	1995-96	1994-95	1995-96	1994-95	1995-96	1994-95	1995-96
1. Dredgers	1	2	1	1	-	-	1	1
2. Cranes								
(a) upto 5 tons	-	-	1	-	-	-	-	-
(b) 6-10 tons	1	1	-	-	-	-	-	-
(c) above 10 tons	-	-	-	-	-	-	-	-
3. Barges								
(a) Dumb	-	1	-	-	-	-	-	-
(b) Self-propelled	1	-	-	-	1	-	-	-
4. Launches	2	2	-	1	1	1	3	4
5. Tugs	-	-	-	-	1	1	-	-

3.5.2 Equipment Available At Various Minor Ports

Maritime state/UT :

Equipment/Port	Daman		Pondicherry	
	1994-95	1995-96	1994-95	1995-96
1. Dredgers	-	-	2	2
2. Cranes				
(a) upto 5 tons	-	-	-	5
(b) 6-10 tons	-	-	-	-
(c) above 10 tons	-	-	4	-
3. Barges				
(a) Dumb	-	-	20*	39*
(b) Self-propelled	-	-	-	-
4. Launches	1	-	3	1
5. Tugs	-	-	-	-

* Owned by Private Owners

3.5.2 Equipment Available At Various Minor Ports

Maritime state/UT :

Equipment/Port	Orissa/Gopalpur 1994-95 1995-96		Maharashtra 1994-95 1995-96		Lakshadweep 1994-95 1995-96	
1. Dredgers	2	2	3	3	-	-
2. Cranes						
(a) upto 5 tons	4	4	-	-	-	-
(b) 6-10 tons	2	2	-	-	-	-
(c) above 10 tons	-	-	-	-	-	-
3. Barges						
(a) Dumb	6	6	1	1	-	-
(b) Self-propelled	6	6	-	-	10	11
	4	4	4	4	3	3
4. Launches	3	3	-	12	34	34
5. Tugs	1	1	8	2	8	9

3.5.2 Equipment Available At Various Minor Ports

Maritime state/UT : Kerala

Equipment/Port	Calicut			Neendakara			Kozhikode			Azhikkal		
	1994-95	1995-96	1996-96	1994-95	1995-96	1996-96	1994-95	1995-96	1996-96	1994-95	1995-96	1996-96
1. Dredgers	1	1	2	2	2	1	1	1	1	-	-	-
2. Cranes												
(a) upto 5 tons	5	5	-	-	-	-	-	-	-	1	-	1
(b) 6-10 tons	-	-	-	-	-	-	1	1	1	-	-	-
(c) above 10 tons	-	-	-	-	-	-	-	-	-	-	-	-
3. Barges												
(a) Dumb	-	-	-	-	-	-	-	-	-	-	-	-
(b) Self-propelled	-	-	-	-	-	-	-	-	-	-	-	-
4. Launches	-	-	-	-	-	-	-	-	-	-	-	-
5. Tugs	2	2	2	2	2	1	1	1	1	-	-	-

3.5.3 Draft At Ports As On 31st March, 1996

Maritime State/UT : Gujarat

Name of the Port	Intermediate/ Minor	Max. Depth available at anchorage	Berth Type	No. of Berth by existing Draft				
				Below 2 meters	2-4 meters	4-6 meters	6 meters above	Total
1	2	3	4	5	6	7	8	9
Dahaj	Minor	20 mtrs.	Wharf	-	-	1	-	1
Porbandar	Minor	7.0 mtrs.	Deep water Berth	-	-	1	-	1
Bedi	Intermediate	2 mtrs.	-	-	-	-	4	4
Rozl (sub-Port)	Intermediate	14 mtrs.	-	1	-	-	1	2
Sikka	Intermediate	8 mtrs.	RCC	-	-	-	1	1
Mandvi	Intermediate	1 mtr	Wharf	-	2	-	-	2
Jakhau	Minor	9.3 mtrs	Jetty	-	1	-	-	1
Mundra	Minor	10 mtrs.	Wharf Cement	-	1	-	-	1
Veraval	Intermediate	13-14 mtrs.	Direct berth for small coaster with 3 mtrs. draft	-	1	-	-	1

3.5.3 Draft At Ports as On 31st March, 1996

Maritime State/UT : Gujarat

Name of the Port	Intermediate/ Minor	Max.Depth available at anchorage	Berth Type	No. of Berth by existing Draft				
				Below 2 meters	2-4 meters	4-6 meters	6 meters above	Total
1	2	3	4	5	6	7	8	9
Magdalla	Intermediate	11 mtr.	RCC Jetty	-	4	-	-	4
Valsad	Minor	No Anchorage fixed	RCC Jetty	1	-	-	-	1
Kolak	Minor	No Anchorage fixed	Fishing Jetty	1	-	-	-	1
Vansi Borsi	Minor	11 mtr.	RCC Fishing Jetty	1	-	-	-	1
Onjal	Minor	11 mtr.	RCC Fishing Jetty	1	-	-	-	1
Umargaon	Minor	No Anchorage fixed	RCC Fishing Jetty	3	-	-	-	3
Umarsadi	Minor	No Anchorage fixed	Fishing Jetty	1	-	-	-	1
Billimora	Minor	No Anchorage fixed	Wooden jetty	3	-	-	-	3

3.5.5.3 Draft At Ports as On 31st March, 1996

Maritime State/UT : Gujarat

Name of the Port	Intermediate/ Minor	Max. Depth available at anchorage	Berth Type	No. of Berth by existing Draft					
				Below 2 meters	2-4 meters	4-6 meters	6 meters above	Total	
1	2	3	4	5	6	7	8	9	
Mul-Dwarka	Intermediate Weather Port	13-14 Mtrs.	Direct berth for small coaster with 3 mtrs. draft	-	2	-	-	-	2
			Rest in Mid stream working through private cargo barges	-	-	-	-	-	-
TalaJa	Minor		- 1 Jetty RCC Piled with RCC slabs decking	below 2 mtrs. (only for wharfage sailing vessels)	-	-	-	-	-
Okha	Intermediate	42 feet	Savajipier East - - - West Sheet piled Wharf Lighter Cargo Passenger	-	-	-	-	1	1
				-	1	-	-	-	1
				-	1	-	-	-	1
				-	1	-	-	-	1
Valsad	Minor	-	RCC Jetty	1	-	-	-	-	1
Billimora	Minor	-	RCC Jetty Moden Jetty	1 3	-	-	-	-	1 3

3.5.3 Draft At Ports as On 31st March, 1996

Maritime State/UT : Gujarat

Name of the Port	Intermediate/ Minor	Max. Depth available at anchorage	Berth Type	No. of Berth by existing Draft					
				Below 2 meters	2-4 meters	4-6 meters	6 meters above	8	9
1	2	3	4	5	6	7	8	9	
Bhav. nagar	Intermediate	At D.W.A. 10 Metres	1) Concrete Jetty RCC piles with slab with decking 2) Alameda Wharf RCC wall 3) North Quay RCC with Well foundation	-	-	-	1	-	1
Gogha	Minor		- 1 Jetty RCC	1	-	-	-	-	-
Jafrabad	Intermediate	14. mtrs.	Clinkers jetty T Shape jetty	-	-	-	1	-	1
				-	-	-	1	-	1

3.5.3 Draft At Ports as On 31st March, 1996

Maritime State/UT : Tamilnadu

Name of the Port	Intermediate/ Minor	Max.Depth available at anchorage	Berth Type	No. of Berth by existing Draft				
				Below 2 meters	2-4 meters	4-6 meters	6 meters above	Total
1	2	3	4	5	6	7	8	9
1. Cuddalore	Intermediate	Open road stead Port		Any size of vessel can be anchored in the mid stream.				
2. Nagapattinam	Intermediate	Open road stead Port. Depth available according to draft of the vessel.						
3. Rameshwaram	Minor	2 Fathom Open Road Stead						
4. Pamban	Minor	Vessel can anchor in Kundagal channel in depth of 5.8 to 7 Mtrs. Small Vessel can anchor west of Kundagal Gut (Open Wharf)						
5. Colachel	Minor	12.80 Mtrs. Open Road Stead						
6. Valinokkam	Minor	About 12 mtrs. Open Road Stead						
7. Kanyakumari	Minor	(Not a steamer calling Port)						

3.5.3 Draft At Ports as On 31st March, 1996

Maritime State/UT : Andhra Pradesh

Name of the Port	Intermediate/ Minor	Max.Depth available at anchorage	Berth Type	No. of Berth by existing Draft					6 meters Total above
				Below 2 meters	2-4 meters	4-6 meters	7	8	
1	2	3	4	5	6	7	8	9	
1. Kakinada	Intermediate	12. mtrs working depth available	Open road stead port						
2. Machilipatnam	Intermediate	Open anchorage							
3. Krishnapatnam	Minor	Open anchorage							
4. Nizampatnam	Minor	Open anchorage							
Diu									
Diu	Minor	10 Fathom	RCC Jetty	1	1	-	-	-	2

No berthing facilities are available.

3.5.3 Draft At Ports As On 31st March, 1996

Maritime State/UT : Maharashtra

Name of the Port	Intermediate/ Minor	Max. Depth available at anchorage	Berth Type	No. of Berth by Existing Draft				
				Below 2 meters	2-4 meters	4-6 meters	6 meters above	Total
1	2	3	4	5	6	7	8	9
Dahanu	Minor	-	Pass. jetty	2	-	-	-	2
Satpati	Minor	-	Stepping jetty	2	-	-	-	2
Kalwa mahim	Minor	-	Stepping jetty	2	-	-	-	2
Arnala	Minor	-	Pass. jetty	1	-	-	-	1
Dantiwara	Minor	-	Stepping jetty	1	-	-	-	1
Manori	Minor	-	Pass. jetty	5	-	-	-	5
Versova	Minor	-	Pass. jetty	1	-	-	-	1
Bandra	Minor	-	Wharf	1	-	-	-	1
Bassein	Minor	-	Mooring	-	1	-	-	1
Bhiwandi	Minor	-	Stepping Jetty	4	-	-	-	4
Kalyan	Minor	-	Stepping Jetty	-	1	-	-	1
Thane	Minor	-	1) Mooring	-	1	-	-	1
			2) Jetty	2	-	-	-	2
			3) Wharf	-	1	-	-	1

3.5.3 Draft At Ports As On 31st March, 1996

Maritime State/UT : Maharashtra(Contd...)

Name of the Port	Intermediate/ Minor	Max.Depth available at anchorage	Berth Type	No. of Berth by Existing Draft					
				Below 2 meters	2-4 meters	4-6 meters	6 meters above	Total	
1	2	3	4	5	6	7	8	9	
Trombay	Minor	-	Cot Wharf	1	-	-	-	1	1
Ulwa (Belapur)	Minor	-	Stepping Jetty	-	6	-	-	6	6
Panvel	Minor	-	Wharf	-	1	-	-	1	1
Mora	Minor	-	Stepping Jetty	-	3	-	3	6	6
Karanja	Minor	-	Stepping Jetty	-	1	-	-	1	1
	Minor	-	T Type	-	-	-	-	-	-
Mandwa	Minor	-	L Type	-	-	-	1	1	1
Dharamtar	Minor	-	T Type	-	-	2	-	2	2
Murud	Minor	-	Stepping Jetty	1	-	2	-	3	3
Rajpuri	Minor	-	Stepping Jetty	1	-	-	-	1	1
Dighi	Minor	-	T Type	-	-	-	-	-	-
Shriwardhan	Minor	-	Jetty	-	-	-	1	1	1
Revdanda	Minor	-	Stepping jetty	-	1	-	-	1	1

3.5.3 Draft At Ports As On 31st March, 1996

Maritime State/UT : Maharashtra (Contd...)

Name of the Port	Intermediate/ Minor	Max.Depth available at anchorage	Berth Type	No. of Berth by existing Draft					Total
				Below 2 meters	2-4 meters	4-6 meters	6 meters above		
1	2	3	4	5	6	7	8	9	
Bankot	Minor	-	T Type Jetty	-	1	-	-	-	1
Harnai	Minor	-	Stepping Jetty	1	-	-	-	-	1
Dabhol	Minor	-	T Type Jetty	-	-	-	-	1	1
Palsbet	Minor	-	Stepping Jetty	1	-	-	-	-	1
Boriya	Minor	-	Stepping Jetty	-	-	-	1	-	1
Jaigad	Minor	-	1) T Type Jetty 2) Stepping Jetty	-	-	-	-	1	1
Ratnagiri	Minor	-	I Type Jetty	1	-	-	-	-	1
Jaitpur	Minor	-	Padav Jetty	1	-	-	-	-	1
Vijaydurg	Minor	-	Stepping Jetty T Type Jetty Wharf	1	1	-	-	-	1
				2	-	-	-	-	2

3.5.3 Draft At Ports As On 31st March, 1996

Maritime State/UT : Maharashtra (Contd....)

Name of the Port	Intermediate/ Minor	Max.Depth available at anchorage	Berth Type	No. of Berth by existing Draft					
				Below 2 meters	2-4 meters	4-6 meters	6 meters above	8	9
1	2	3	4	5	6	7	8	9	
Deogad	Minor	-	T type	-	1	-	-	-	1
Malvan	Minor	-	Jetty	1	-	-	-	-	1
Vengurla	Minor	-	1) wharf jetty	1	-	-	-	-	1
			2) Jetty	1	-	-	-	-	1
Redi	Minor	-	Jetty	-	3	-	-	-	3
Kiran Pani	Minor	-	Jetty	1	-	-	-	-	1
Orissa									
Gopalpur	Minor	18 mtr.	Open Road Stead Port	-	-	-	1	(above 9 mtr.)	1

3.5.3 Draft At Ports As On 31st March, 1996

Maritime State/UT : Karnataka

Name of the Port	Intermediate/ Minor	Max.Depth available at anchorage	Berth Type	No. of Berth by existing Draft				
				Below 2 meters	2-4 meters	4-6 meters	6 meters above	Total
1	2	3	4	5	6	7	8	9
Karwar	Intermediate	8 mt & above	RCC (Built-up wharf)	-	-	-	2	2
Belekeri	Minor	Anchorage open sea	Open Sea	1	1	-	-	2
Honavar	Minor	Mooring Berth Jetty Bunder	-	-	4	-	-	4
Bhatkal	Minor	Wharves 8 Mtrs	-	-	3	-	-	3
Tadri	Minor	RCC (T shaped)	1 Jetty (Dismantled) 3 wharves	1	-	-	-	1
Kundapura	Minor	Outer Anchorage Over 9 meters		-	-	-	-	-

3.5.3 Draft At Ports As On 31st March, 1996

Maritime State/UT : Karnataka (Contd...)

Name of the Port	Intermediate/ Minor	Max. Depth available at anchorage	Berth Type	No. of Berth by Existing Draft					
				Below 2 meters	2-4 meters	4-6 meters	6 meters above	Total	
1	2	3	4	5	6	7	8	9	
Malpe	Minor	4 mtrs.		Along side wharf near wooden jetty.					
Hangarkatta	Minor	6.mtrs.	Jetty-3 wharf-2	-	-	3	-	-	3
Mangalore	Intermediate	3-5 mtrs.	Open Road Stead Back water for sailing vessel of 3 mtrs. draft & below						
Pondicherry	Minor	Open Anchorage	RCC Pipes pier	-	-	-	-	-	-
				{ New Arriankuppam Port Projects 2 mtrs. depth available at Ariankuppam Port Project river channel for cargo import through wooden barges from ship to shore which will be maintained throughout the year except monsoon season. }					

3.5.3 Draft At Ports As On 31st March, 1996

Maritime State/UT : Kerala(Cont..)

Name of the Port	Intermediate/ Minor	Max.Depth available at anchorage	Berth Type	No. of Berth by existing Draft				
				Below 2 meters	2-4 meters	4-6 meters	6 meters above	Total
1	2	3	4	5	6	7	8	9
1.Kovalam/Vizhinjam Minor	Minor	80 mtrs.	80 mtrs length	-	-	1	-	1
2. Neendakara	Intermediate	17mtrs.	One concrete wharf & Two temporary jetties	-	1 (3 Mtrs.) 2 (3 Mtrs.)	-	-	2
3. Azhikkal	Minor		Wharf		1 (3 Mtrs.)	-	-	1
4. Calicut/ Beypore	Intermediate	8mtrs	R.C.Wharf	-	-	-	1 (152 mtrs)	1

SECTION-IV

GENERAL TABLES

Maritime States/ U.Ts.	(1)	(2)	General Light house	Light buoy	VHF/HP RT set.	(4)	(5)	Decca Navigator Chain	Radio Beacon	Racon	Light Vessel	Launches	House Tender
				(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)		
Gujarat		54	12	26	4	3	6	1	3				
Maharashtra		18	-	4	-	2	1	-	1				
Goa, Daman & Diu		2	-	-	-	1	1	-	-				
Karnataka		5	-	2	-	1	-	-	-				
Kerala		15	-	-	-	1	1	-	-				
Tamilnadu		11	-	-	-	1	3	-	-				
Pondicherry		1	-	-	-	1	1	-	-				
Andhra Pradesh		12	-	-	-	3	-	-	-				
Orissa		5	-	5	-	2	1	-	2				
West Bengal		1	-	3	-	1	1	-	1				
Andaman & Nicobar Islands		26	-	-	-	2	4	-	-				
Lakshadweep		14	-	-	-	2	4	-	-				
Total		162	12	40	4	20	23	1	6				

Source : Department Of Lighthouses & Lightships

4.1.2 International Maritime Transport - Monthly Average Cargo Loaded And Unloaded In External Trade

Country	Unloaded						Loaded							(In Million Tonnes)
	1990	1991	1992	1993	1994	1995	1990	1991	1992	1993	1994	1995		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	
Argentina	0.49	0.57	...	...	...	...	3.07	3.07	...	...	...	...	...	
Australia	2.60	2.77	3.09	3.36	...	...	23.99	26.61	26.33	27.68	...	...	...	
Belgium	7.39	5.58	7.41	...	...	...	4.17	2.42	4.76	...	...	...	...	
Bangladesh	0.65	0.51	0.57	0.62	0.75	0.79	0.11	0.08	0.08	0.16	0.15	0.14	...	
China	6.18	7.29	8.47	...	...	...	7.70	9.02	8.82	...	...	...	...	
Denmark	2.46	2.71	2.86	...	...	...	1.22	1.37	1.46	...	...	...	...	
Egypt	1.50	1.85	1.33	1.91	...	...	0.72	1.02	1.14	1.23	...	...	...	
Finland	2.90	2.69	2.58	2.71	3.22	3.09	2.00	2.22	2.67	2.66	2.97	2.84	...	
France	14.75	15.58	15.20	...	...	...	5.15	4.83	5.10	...	...	...	...	
Germany(FR)	8.13	8.53	9.83	9.95	10.40	10.62	3.69	3.71	4.63	4.80	5.42	5.62	...	
Greece	2.93	3.01	3.15	...	...	...	1.86	1.68	1.70	...	...	...	...	
Hongkong	4.36	5.16	4.78	5.69	6.84	...	1.87	2.19	2.27	2.32	2.86	...	...	
India	5.20	5.39	6.69	6.97	7.68	8.74	3.96	4.08	4.00	5.01	4.88	5.45	...	
Indonesia	2.57	2.91	3.00	3.02	3.90	4.69	9.13	9.45	12.63	15.35	18.92	20.66	...	
Italy	18.89	18.65	18.78	18.51	...	...	3.49	3.54	3.84	4.28	...	...	...	
Japan	59.30	60.43	58.97	60.14	62.62	...	7.03	7.49	8.34	8.78	9.27	...	...	
Korea(Rep.Of)	14.36	17.37	18.54	20.52	22.81	...	3.96	4.33	5.24	6.10	6.23	...	...	
Malaysia	2.44	2.63	2.75	3.07	3.68	...	1.56	1.50	1.64	1.75	1.96	...	...	
Mexico	3.74	4.14	4.34	4.38	4.39	4.44	11.03	10.27	10.45	10.52	10.81	10.82	...	
Netherlands	23.44	23.89	24.10	23.08	23.92	...	7.65	7.54	7.42	7.37	7.34	...	...	
Norway	1.58	1.56	1.53	1.66	1.84	1.98	7.43	7.27	8.48	9.12	10.43	11.29	...	

4.1.2 International Maritime Transport - Monthly Average Cargo Loaded And Unloaded In External Trade

(In Million Tonnes)

Country	Unloaded					Loaded				
	1990	1991	1992	1993	1994	1995	1990	1991	1992	1993
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Panama	5.59	5.27	5.27	5.18	5.88	5.89	7.89	8.34	8.20	8.42
Philippines	2.64	2.53	2.84	...	...	...	1.18	1.18	1.07	...
Poland	1.04	1.08	1.27	1.28	1.13	1.24	2.56	2.08	2.11	2.65
Singapore	8.85	9.71	11.37	13.25	13.71	14.58	6.80	7.48	8.44	9.56
Spain	10.16	10.86	11.16	10.80	11.19	...	3.36	3.36	3.40	3.62
Sweden	4.58	4.46	4.61	4.82	5.21	5.35	3.72	3.79	3.91	4.02
Turkey	4.59	6.41	4.35	5.14	...	...	5.28	3.51	2.21	1.91
United Kingdom	14.17	14.30	14.69	14.59	15.03	14.91	10.37	10.69	11.15	12.60
United States	41.27	37.41	40.29	44.89	49.84	48.50	31.00	32.46	32.69	30.01
Yugoslavia	1.32	0.85	...	...	...	...	0.73	0.71	...	...

Source (Except India) : Monthly Bulletin Of Statistics (U.N.) - November, 1996

4.1.3 Estimated Share Of Foreign Trade By Sea In Total Foreign
Trade Of India By All Modes Of Transport During
1981-82 To 1996-97

(Value In Rs. Crores)					
Year	Total Exports Including Re-exports	Share In Exports (In Per- centage)	Total Imports	Share In Imports (In Per- centage)	Share Of Sea borne Trade To Total Foreign Trade (In Percentage)
(1)	(2)	(3)	(4)	(5)	(6)
1981-82	7806	79.2	13606	91.9	87.2
1982-83	8803	79.0	14293	86.5	83.7
1983-84	9771	74.4	15831	85.4	81.2
1984-85	11744	77.3	17134	87.7	83.6
1985-86	10895	71.7	19658	87.9	82.2
1986-87	12569	65.8	20201	82.7	76.1
1987-88	15674	62.1	22244	77.2	71.0
1988-89	20232	59.7	28235	72.9	67.4
1989-90	27681	59.5	35416	69.6	65.2
1990-91	32553	67.3	43193	81.1	75.1
1991-92	44042	66.6	47851	80.8	74.0
1992-93	53688	64.9	63375	78.0	72.0
1993-94	69751	66.1	73101	96.0	81.4
1994-95	82673	64.3	89971	79.8	72.4
1995-96 (P)	106353	63.7	122678	80.7	72.8
1996-97 (P)	117525	64.9	136844	83.8	75.1

Source : i) Ministry Of Commerce

ii) RBI Publication, Report on currency and Finance
P : Provisional

4.1.4 Value Of India's Foreign Trade 1994-95 & 1995-96
Commodity wise Exports

Commodities	US\$ Million		
	1994-95	1995-96	Change %
Tea	310.8	350.8	12.9
Coffee	335.4	451.8	34.7
Pulses	28.8	39.5	37.2
Basmati Rice	275.7	254.8	-7.6
Tobacco Mnfg & Unmnfg	81.2	109.5	34.8
Spices	195.0	235.3	20.6
Cashew	396.5	368.6	-7.0
Seasme & Niger Seeds	45.1	77.3	71.2
Spirit & Beverages	14.9	14.9	-
Guargum meal	45.0	68.0	49.4
Oil meals	572.7	703.8	22.9
Castor oil	140.6	219.7	56.3
Processed Vegetables	25.2	40.2	59.5
Sugar & Molasses	19.8	150.8	661.6
Fruits & fresh vegetables	139.1	162.2	16.7
Processed fruits & juices	54.0	63.8	18.1
Non-Basmati Rice	108.5	1108.3	921.8
Meat & Preparation	128.3	187.7	46.3
Marine Products	1126.7	1013.2	-10.1
Cotton raw incl. waste	44.8	61.1	37.3
Wheat	13.5	108.1	700.1
Iron Ore	413.2	519.3	25.7
Coal	28.1	31.5	12.3
Processed minerals	263.8	311.0	17.9
Mica	7.1	7.4	4.3
Other ores & minerals	276.4	316.1	14.4
Leather & Manufactures	678.7	770.1	13.5
Footwear of leather	549.6	584.2	6.3
Leather	382.7	370.9	-3.1
Gems & jewellery	4501.6	5282.9	17.4
Drugs, Pharmaceuticals & fine chemicals	800.4	1007.8	25.9
Dyes intermediates & coaltar chemicals	479.8	488.3	1.8

4.1.4 Value Of India's Foreign Trade 1994-95 & 1995-96
Commodity wise Exports

US\$ Million

Commodities	1994-95	1995-96	Change %
Inorganic/organic chemicals	320.4	493.3	53.9
Cosmetic/toiletries	162.8	177.0	8.7
Rubber manufactured products	293.0	310.3	5.9
Glass/glassware/ceramic/refractories/cement	201.1	202.0	0.4
Paper/wood products	148.7	196.4	32.0
Plastic & linoleum products	478.4	582.6	21.8
Ferro alloys	90.7	133.5	47.3
Manufacture of seals	706.4	841.9	19.2
Machinery & instruments	726.9	850.7	17.0
Transport equipment	771.5	929.4	20.5
Groundnuts	32.3	67.2	108.1
Iron & Steel bar/rods	102.4	157.5	53.9
Primary & semifinished iron & steel	426.1	527.8	23.9
Electronic goods	412.3	651.0	57.9
Cotton yarn fabrics madeups etc.	2234.4	2588.4	15.8
silk yarn fabrics madeups	136.3	132.6	-2.7
Manmade yarn fabrics madeups	614.0	743.3	21.0
Woolen yarn, fabrics, madeups etc.	60.7	63.0	3.8
Readymade garments cotton incl. accessories	2502.7	2837.7	13.4
Readymade garments silk	116.1	101.7	-12.4
Readymade garments manmade fibres	457.4	508.8	11.2
Readymade garments wool	90.9	88.1	-3.0
Readymade garments of other textile material	115.8	147.2	27.1
coir & coir manufactures	55.0	63.0	14.5
Jute mfg excl. floor carvings	132.0	171.0	29.8
Carpets	560.1	559.0	-0.2
Floor covering of jute	5.8	8.2	41.2
Grand Total(Including other items)	26337.0	31876.0	21.0

4.1.5 Value of India's Foreign trade 1994-95 and 1995-96
Commodity-wise imports

Commodities	US\$ Million		
	1994-95	1995-96	% Change
Petroleum and Products	5929.5	7548.1	27.3
Non-electrical machinery	2728.6	3964.9	45.3
Project goods	1854.2	2254.0	21.6
Pearls and Precious Stones	1630.1	2087.3	28.0
Electronic goods	1228.4	1748.7	42.4
Organic chemicals	1382.4	1720.6	24.5
Fertiliser manufactured	764.1	1323.9	73.3
Iron and Steel	1082.3	1376.0	27.1
Transport Equipment	1113.9	1083.6	-2.7
Non-ferrous metals	718.1	909.2	26.6
Edible Oil	198.9	653.6	228.7
Metaliferrous ores and metal scrap	748.3	786.6	5.1
Coal, coke and briquettes	708.6	901.4	27.2
Inorganic chemicals	755.3	857.8	13.6
Artificial resins, plastic materials	606.4	816.3	34.6
Gold & Silver	712.8	814.4	14.3
Professionals Instrument, optical goods	492.0	663.2	34.8
Cashewnut	220.2	224.3	1.9
Pulp and waste paper	202.4	275.3	36.0
Wood & wood products	224.2	247.3	10.3
Textile yarn fabrics, madeups	329.7	358.1	8.6
Medicinal & pharm products	298.6	364.4	22.0
News Print	155.1	301.0	94.1
Manufactures of metals	206.3	286.6	38.9
Machine tools	213.7	373.0	74.6
Electrical machinery	251.5	380.9	51.5
Others	3906.6	4100.6	5.0
Total (including other items)	28662.2	36421.1	27.1

4.1.6 Exports And Imports In Value terms (1995-96) - Destination-wise

	Rupees Lakh		Million US\$		%Change 1995-96/1994-95		
	Imports	Exports	Imports	Exports	Trade Balance	Imports	Exports
AFRICA	664426	565282	1989.3	1692.5	-296.8	30.26	68.58
South Africa	81179	111371	243.0	333.4	90.4	57.06	112.97
Kenya	4911	81668	14.7	244.5	229.8	6.42	99.23
Egypt	24256	54115	72.6	162.0	89.4	-68.19	35.20
Nigeria	257266	49837	770.3	149.2	-621.0	81.69	36.69
Mauritius	2900	45463	8.7	136.1	127.4	465.64	19.50
Tanzania	32100	27007	96.1	80.9	-15.3	76.88	22.94
Ivory Coast	14248	12913	42.7	38.7	-4.0	53.19	658.36
Senegal	6145	12616	18.4	37.8	19.4	43.91	648.92
Uganda	223	12407	0.7	37.1	36.5	275.25	10.13
Zambia	20207	11481	60.5	34.4	-26.1	10.55	23.95
Ethiopia	227	11351	0.7	34.0	33.3	-44.93	17.08
Zaire	11782	11263	35.3	33.7	-1.6	14.75	105.13
Mozambique	6779	10982	20.3	32.9	12.6	182.25	79.88
Sudan	5026	10571	15.0	31.6	16.6	11.62	93.32
Morocco	99969	8965	299.3	26.8	-272.5	8.69	109.25
Ghana	8619	8878	25.8	26.6	0.8	137.21	29.96
Canaray Is	-	8351	-	25.0	25.0	-	-
Togo	1853	7970	5.6	23.9	18.3	18.05	21.32
Sierra Leone	-	7498	-	22.4	22.4	-	249.93
Zimbabwe	5603	5265	16.8	15.8	-1.0	60.68	105.92
Liberia	-	4753	-	14.2	14.2	-	858.47
Malawi	813	4742	2.4	14.2	11.8	-	36.78
Mali	63	4516	0.2	13.5	13.3	-	342.44
Burundi	29	4423	0.1	13.2	13.2	-	114.56
Benin	4986	4196	14.9	12.6	-2.4	165.73	76.06
Angola	-	3258	-	9.8	9.8	-	-
Tunisia	28880	2912	86.5	8.7	-77.7	-4.53	52.11
Algeria	772	2885	2.3	8.6	6.3	-90.55	23.14
Libya	29278	2881	87.7	8.6	-79.0	138.41	157.01
Guinea	59	2267	0.2	6.8	6.6	-13.23	145.07
Malagasy Rep.	462	2157	1.4	6.5	5.1	-43.85	80.37
Somalia	248	2029	0.7	6.1	5.3	-9.57	-

4.1.6 Exports and Imports In Value terms (1995-96) - Destination-wise

	Rupees Lakh		Million US\$				%Change 1995-96/1994-9	
	Imports	Exports	Imports	Exports	Trade Balance	Imports	Exports	
AMERICA	1593413	2074927	4770.7	6212.4	1441.7	20.70	9.95	
U S A	1280524	1845754	3834.0	5526.0	1692.0	31.91	10.04	
Canada	125136	102292	375.0	306.0	-68.0	41.10	14.75	
Brazil	83993	30184	251.0	90.0	-161.0	-54.16	9.12	
Chile	29451	19804	88.0	59.0	-29.0	119.53	121.35	
Mexico	19439	18320	58.0	55.0	-3.0	45.39	-29.93	
Argentina	41721	12545	125.0	38.0	-87.0	71.05	-24.03	
Panama	309	8850	1.0	26.0	25.0	-	-13.37	
Peru	1483	7946	4.0	24.0	19.0	-	130.96	
Colombia	2870	6001	9.0	18.0	9.0	-83.08	17.48	
Uruguay	870	3757	3.0	11.0	9.0	-14.87	-10.50	
Venezuela	2190	3509	7.0	11.0	4.0	-31.30	22.01	
Paraguay	43	2955	0.0	9.0	9.0	-79.27	-4.24	
Netherlands Antilles	198	2181	1.0	7.0	6.0	-	-5.55	
Trinidad	112	1477	-	4.0	4.0	-	22.22	
Dominican Rep	-	1238	-	4.0	4.0	-	55.29	
ASIA	2653019	3208280	7973.0	9606.0	1633.0	26.34	26.47	
Japan	806138	741391	2414.0	2220.0	-194.0	18.29	9.50	
Hong Kong	128491	608100	385.0	1821.0	1436.0	34.00	19.95	
Bangladesh	28214	346991	84.0	1039.0	954.0	121.25	61.11	
Singapore	369215	304845	1105.0	913.0	-193.0	22.83	18.46	
Indonesia	156499	221187	469.0	662.0	194.0	45.38	138.42	
Thailand	56288	158644	169.0	475.0	306.0	-1.82	16.79	
South Korea	266066	147486	796.0	442.0	-355.0	26.61	32.79	
Sri Lanka	14583	133562	44.0	400.0	356.0	42.04	9.05	
Malaysia	296174	131105	887.0	393.0	-494.0	80.89	36.98	
China	273284	109744	818.0	329.0	-490.0	7.51	29.21	

4.1.6 Exports And Imports In Value terms (1995-96) -- Destination-wise

	Rupees Lakh		Million US\$		%Change 1995-96/1994-95		
	Imports	Exports	Imports	Exports	Trade Balance	Imports	Exports
ASIA (Contd...)							
Taiwan	127697	85202	382.0	255.0	-127.0	35.14	1.69
Nepal	16695	53645	50.0	161.0	111.0	36.56	33.73
Philippines	7234	48215	22.0	144.0	123.0	83.87	45.15
Vietnam	5175	41212	15.0	123.0	108.0	-64.85	110.61
Pakistan	15080	25680	45.0	-	32.0	-14.42	34.30
North Korea	20974	13308	63.0	40.0	-23.0	90.55	12.10
Myanmar	52758	8451	158.0	25.0	-133.0	24.57	11.70
Afghanistan	2857	6480	9.0	19.0	11.0	30.79	24.16
Bhutan	10720	5756	32.0	17.0	-15.0	75.52	55.31
Maldiva Islands	55	5252	-	16.0	16.0	-28.55	2.23
Kazakhstan	2657	2987	8.0	9.0	1.0	97.87	9.57
Brunei	18	2525	-	8.0	8.0	-54.73	214.44
Uzbekistan	3554	2304	11.0	7.0	-4.0	27.56	-2.17
EAST EUROPE							
	540127	437665	1617.0	1310.0	-307.0	71.52	25.81
Russia							
Poland	285282	350334	854.0	1049.0	195.0	69.29	29.91
Ukraine	42686	29259	128.0	88.0	-40.0	184.97	30.33
Romania	104162	18040	312.0	54.0	-258.0	55.95	-16.58
Czech Rep	48867	9993	146.0	30.0	-116.0	203.44	84.82
Hungary	19193	9777	57.0	29.0	-28.0	24.29	-7.71
Croatia	5530	7577	17.0	23.0	6.0	25.16	18.84
Bulgaria	955	2437	3.0	7.0	4.0	75.43	17.92
Latvia	16041	2291	48.0	7.0	-41.0	200.34	-6.47
Slovenia	2293	1904	7.0	6.0	-1.0	-56.41	-3.85
Belarus	10517	1556	31.0	5.0	-27.0	-11.31	13.28
	163	1113	-	3.0	3.0	-15.58	141.65

4.1.6 Exports And Imports In Value terms (1995-96) - Destination-wise

	Rupees Lakh		Million US\$		%Change 1995-96/1994-95	
	Imports	Exports	Imports	Exports	Trade Balance	Imports Exports
WEST EUROPE	3796181	3094784	11366.0	9266.0	-2400.0	33.20 19.26
U K	643249	671705	1926.0	2011.0	85.0	23.49 18.99
Germany	1049315	663400	3142.0	1986.0	-1155.0	43.61 13.62
Belgium	567226	374364	1698.0	1121.0	-577.0	40.83 13.37
Italy	355378	339993	1064.0	1018.0	-46.0	43.54 18.62
Netherlands	188772	254545	565.0	762.0	197.0	46.45 30.13
France	280058	249723	838.0	748.0	-91.0	36.23 28.40
Spain	60566	130840	181.0	392.0	210.0	-0.10 45.44
Switzerland	326089	94805	976.0	284.0	-692.0	18.41 14.70
Turkey	16903	57377	51.0	172.0	121.0	-36.61 80.29
Sweden	82398	49074	247.0	147.0	-100.0	-17.39 -0.04
Denmark	88329	48764	264.0	146.0	-118.0	43.11 12.78
Greece	16380	32635	49.0	98.0	49.0	131.56 32.89
Portugal	3434	30601	10.0	92.0	81.0	-11.22 34.46
Austria	38792	29915	116.0	90.0	-27.0	100.83 -6.12
Norway	13099	21428	39.0	64.0	25.0	-14.88 -3.69
Finland	56512	17522	169.0	52.0	-117.0	56.45 18.17
Ireland	8471	16452	25.0	49.0	24.0	28.00 41.11
Cyprus	431	6328	1.0	19.0	18.0	-33.24 -34.76
Malta	183	2839	1.0	9.0	8.0	- -7.87

4.1.6 Exports And Imports In Value terms (1995-96) - Destination-wise

	Rupees Lakh		Million US\$			%Change 1995-96/1994-95	
	Imports	Exports	Imports	Exports	Trade Balance	Imports	Exports
MIDDLE EAST	2548505	945412	7630.0	2831.0	-4800.0	19.23	15.31
U A E	540893	476537	1619.0	1427.0	-193.0	5.60	12.68
Saudi Arabia	674817	160352	2020.0	480.0	-1540.0	28.72	10.16
Israel	78222	72430	234.0	217.0	-17.0	-9.36	44.28
Iran	196888	51289	589.0	154.0	-436.0	9.84	-2.06
Kuwait	658484	45252	1972.0	135.0	-1836.0	33.15	1.14
Oman	6622	36348	20.0	109.0	89.0	-26.53	23.06
Yemen Rep	6607	26708	20.0	80.0	60.0	51.10	92.83
Jordan	61164	26657	183.0	80.0	-103.0	19.29	47.96
Baharain	287403	21338	860.0	64.0	-797.0	23.96	8.07
Qatar	34136	1727	102.0	35.0	-67.0	-10.86	17.27
Syria	3193	10640	10.0	32.0	22.0	-46.26	11.08
Lebanon	68	5889	-	18.0	17.0	-52.11	77.21
OCEANIA	358983	148192	1075.0	444.0	-631.0	7.79	9.37
Australia	333501	125722	999.0	376.0	-622.0	9.08	8.62
New Zealand	21341	20164	64.0	60.0	-4.0	-15.88	10.07
Ameri Samoa	-	1155	-	3.0	3.0	-	-
Papua New Guinea	2087	500	6.0	1.0	-5.0	168.12	8.56
GRAND TOTAL	12164659	10646486	36421.0	31876.0	-4545.0	-27.07	21.03

Note : Region-wise totals may not add up to grand total as it excludes trade with unspecified countries and POL exports
(Source : Monthly Review of the Indian Economy May 1996 CMIE)

4.1.7 Percentage Share Of Indian Flag In The Overseas
Cargo Traffic At Indian Ports

Port	1994-95 (%)			1995-96 (%)			1996-97 (%)		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
MAJOR PORTS	40.8	17.5	30.9	37.5	16.3	28.9	44.1	10.1	31.3
Kandla	46.6	5.8	40.5	50.2	1.5	41.6	41.6	2.3	35.7
Mumbai	30.4	45.2	35.8	5.7	50.2	27.1	32.4	31.4	32.0
J.N.P.T.	19.3	3.1	13.3	13.3	13.3	13.3	23.7	11.4	18.4
Mormugao	13.0	4.0	5.0	6.5	1.4	2.1	16.0	3.1	4.0
N. Mangalore	10.8	9.4	9.6	22.9	8.8	10.8	76.2	10.4	37.7
Cochin	57.1	16.6	47.5	64.2	46.3	59.7	47.9	4.4	36.6
Tuticorin	10.3	13.2	17.7	13.2	8.4	11.7	16.2	13.6	15.0
Chennai	45.5	10.6	29.1	38.2	10.5	26.2	39.3	2.6	23.7
Vizag	46.4	21.5	36.8	55.5	8.0	39.5	59.4	6.2	38.4
Paradip	48.7	52.1	50.3	18.7	55.6	33.5	9.3	28.8	15.7
Haldia	55.6	7.3	54.6	47.3	15.9	46.5	47.9	20.6	47.0
Calcutta	8.5	9.4	8.9	7.5	12.5	9.8	7.6	7.4	7.5
MINOR PORTS	21.0	14.3	17.6	14.1	13.8	13.9	13.5	13.5	13.5
All Ports	39.5	17.2	29.9	35.8	16.0	27.3	42.2	10.5	29.8

Source : Major and Minor Ports

4.1.8 India's Overseas Trade During 1996-97 (Provisional)

(In Million Tonnes)

Trade	Indian Lines		Foreign Lines		Total
General Cargo					
Export	2.37		23.42		25.79
	(9.2%)		(90.8%)		(100.0%)
Import	2.07		17.56		19.63
	(10.5%)		(89.5%)		(100.0%)
Total	4.44		40.98		45.42
	(9.8%)		(90.2%)		(100.0%)
Dry Bulk					
Export	1.96		32.74		34.70
	(5.6%)		(94.4%)		(100.0%)
Import	7.60		17.05		24.65
	(30.8%)		(69.2%)		(100.0%)
Total	9.56		49.79		59.35
	(16.1%)		(83.9%)		(100.0%)
POL/Product & Other Liquid					
Export	2.78		4.31		7.09
	(39.2%)		(60.8%)		(100.0%)
Import	34.50		25.82		60.32
	(57.2%)		(42.8%)		(100.0%)
Total	37.28		30.13		67.41
	(55.3%)		(44.7%)		(100.0%)
Grand Total					
Export	7.11		60.47		67.58
	(10.5%)		(89.5%)		(100.0%)
Import	44.17		60.43		104.60
	(42.2%)		(57.7%)		(100.0%)
Total	51.28		120.90		172.18
	(29.8%)		(70.2%)		(100.0%)

Source : Major Ports (Except Cochin & JNPT for which IPA data is used) and Minor Ports

4.1.9 Outlay / Expenditure In Port Sector (Central) During Eighth Plan
And Annual Plans

Ports	(Rs. In Crores)									
	VIII Th Plan (1992-97) Outlay	1993-94	1994-95	1995-96	Actual Expdr.	Outlay	Actual Expdr.	Outlay	Actual Expdr.	Outlay
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Kandla	226.00	37.78	8.61	30.00	17.43	30.92	13.16	35.00	15.84	85.08
Mumbai	413.00	86.00	44.59	50.00	46.57	143.61	43.67	74.60	89.95	156.24
J.L.Nehru	215.00	63.00	15.25	35.00	25.12	55.24	40.78	68.00	49.88	94.86
Mormugao	123.00	13.00	22.67	30.00	20.56	27.28	13.86	12.50	18.51	15.42
New Mangalore	98.00	6.00	3.28	40.00	24.42	107.44	111.81	40.00	56.61	31.44
Cochin	117.00	47.00	18.15	60.00	16.85	50.00	22.94	7.00	7.56	16.21
Tuticorin	65.00	19.00	11.39	19.50	23.42	23.10	15.40	30.00	18.30	34.18
Chennai	570.00	23.56	19.88	50.00	33.69	92.59	54.70	115.00	96.57	228.38
Visakhapatnam	250.00	71.00	42.19	40.00	37.43	53.00	25.63	45.00	42.79	70.50
Paradip	486.00	75.00	39.21	40.00	37.49	77.93	66.51	107.00	62.01	224.84
Calcutta*	421.00	143.00	45.77	40.00	27.56	60.32	20.80	42.50	26.61	45.22
Others**	232.00	37.20	18.96	40.50	23.82	92.70	42.44	55.00	30.67	339.85
TOTAL	3216.00	621.54	289.95	475.00	334.36	814.13	471.70	631.60	515.30	1342.22

* Includes Haldia, RR Scheme

** Constitite DCI, ALHW, RAD, MPSS

Source : 1. Report of the Working Group for Port Sector for the Ninth Five Year Plan (1997-2002)
2. Indian Ports Association

4.140 Outlay And Expenditure On Minor Ports

(Rs. In Crores)

	Central Scheme		State/Union Territories	Total
	1	2		
I Plan 1951-56	Actual	-	1.62	1.62
II Plan 1956-61	Actual	-	4.78	4.78
III Plan 1961-66	Actual	-	8.66	8.66
Annual Plans 1966-69	Actual	-	6.92	6.92
IV Plan 1969-74	Outlay Expenditure	20.00 5.01	15.00 12.26	35.00 17.27
V Plan 1974-79	Outlay Expenditure	22.38 8.15	23.77 17.56	46.15 25.71
1978-79	Expenditure	2.04	8.16	10.20
1979-80	Outlay Expenditure	2.30 20.00	6.21 72.18	8.51 92.18
VI Plan	Outlay Expenditure	- 1.00	10.92 125.63	10.92 126.63
VII Plan	Outlay Expenditure	20.00 -	162.50 48.18	182.50 48.18

4.1.10 Outlay And Expenditure On Minor Ports

(Rs. In Crores)				
	Central Scheme	State/Union Territories	Total	
	1	2	3	4
1990-91	Outlay	-	40.73	40.73
	Expenditure	-	50.26	50.26
1991-92	Outlay	-	40.57	40.57
	Expenditure	-	38.42	38.42
VIII Plan Outlay 1992-97		-	340.58	340.58
1992-93	Outlay	-	59.79	59.79
	Expenditure	-	42.82	42.82
1993-94	Outlay	-	54.94	54.94
	Expenditure	-	99.18	99.18
1994-95	Outlay	-	78.58	78.58
	Expenditure	-	66.89	66.89
1995-96	Outlay	-	67.27	67.27
	Anticipated Expr. (RE)	-	87.28	87.28
1996-97	Outlay	-	67.58	67.58
	Anticipated Expr. (RE)	-	59.50	59.50
R.E. Revised Estimate				

4.1.11 Transport Sector - Outlay And Expenditure Under The Plans

(Rs. In Crores)

Sector	Fifth Plan (1974-79) Out- lay	Expen- diture	Sixth Plan (1980-85) Out- lay	Expen- diture	Seventh Plan (1985-90) Out- lay	Expen- diture	Eighth Plan (1992-97) Out- lay	Expen- diture Anticipated
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1. Railway	2202	2063	5100	6585	12334	16549	27202	32130
2. Roads	1353	1701	3439	3887	5200	6335	12833	16133
3. Road Transport	461	503	1196	1276	1990	2151	4119	3634
4. Ports (including minor ports)	571	488	647	725	1230	1513	3557	2491
5. Shipping	450	469	755	468	827	720	3669	4689
6. I.W.T.	32	16	72	63	226	188	331	154
7. Light Houses & Light ships	14	9	12	*	30	*	57	38
8. Civil Air Transport	337	294	859	957	758	1948	4083	7504
9. Other Transport @	-	-	-	-	49	72	239	244
10. Total Transport Sector	5420	5543	12080	13961	22644	29476	56090	67017
11. Share of Ports & LH & LS in the transport sector (%)	10.8	9.0	5.5	5.2	5.6	5.1	6.4	3.8

* : Included in Ports

@ : Farakka Barage & Hooghly River Training Projects

Sources : 1. Compendium of Transport Statistics, June 1994, Planning Commission
2. Planning-Commission

4.1.1.2 List Of Important International Ports For Total Traffic

COUNTRY	PORT	COUNTRY	PORT	COUNTRY	PORT
SOUTH AFRICA	RICHARDS BAY	JAPAN	CHIBA	AUSTRALIA	GLADSTONE
	DURBAN		KOBE		NEW CASTLE
	SALDHANA BAY		NAGOYA		HEDLAND PORT
BRAZIL	TUBARAO		SHIMIZU		FREMANTLE
	SANTOS		YOKOHAMA		PORT KEMBLA
	SAO SEBASTIO		OSAKA		
CANADA	FRASER	REPUBLIC OF KOREA	KITAKYUSHU	MALAYSIA	PORT KELANG
	MONTREAL		TOKYO		
	SAINT JOHN N.B.		INCHON		
	VANCOUVER		KWANGYANG	PHILIPPINES	MANILA
	HELIFEX		POHANG		
			PUSAN		
UNITED STATES	CORPUS CHRISTI	SAUDI ARABIA	JEDDAH	SINGAPORE	SINGAPORE
	HAMPTON ROAS				
	HOUSTON		KAHSHIUNG		HAMBURG
	LONG BEACH	TAIWAN	KEELUNG	F.R. OF GERMANY	BREMEN PORTS
	LOS ANGELES				WILHELMSHAVEN
	NEW ORLEANS		SHANGHAI		
	NEW YORK/NEW JERSEY	CHINA		BELGIUM	ANTWERP
	OAKLAND		DUBAI PORTS		ZEEBRUGGE
	PHILADELPHIA				
ITALY	GENOA	FRANCE		NETHERLANDS	AMSTERDAM
	TRIESTE		LE HAVRE		ROTTERDAM
	VENICE		MARSEILLES		
UNITED KINGDOM	FORTH PORTS	SPAIN	DUNKIRK		
	LONDON				
	LIVERPOOL/MERSEYSIDE		ALGECIRAS-LA LINEA		GOTHENBURG
	FELIXSTOWE		BARCELONA	SWEDEN	
	MILFORD HEAVEN		BILBAO		
	TEESAND HARTLEPOOL		TARRAGONA		

4.1.12 List of Important International Ports for Container Traffic

COUNTRY	PORT	COUNTRY	PORT	COUNTRY	PORT
SOUTH AFRICA	DURBAN	SAUDIA ARABIA	JEDDAH	BRAZIL	SANTOS
SINGAPORE	SINGAPORE	CANADA	MONTREAL, VANCOUVER	TAIWAN	KAHSIUNG KEELUNG
PURETO RICO	SAN JUAN	THAILAND	BANGKOK	U.A.E.	DUBAI PORTS
UNITED STATES	LONG BEACH	BELGIUM	ANTWERP	CHINA	SHANGHAI
	NEW YORK/NEW JERSEY		ZEEBRUGGE		
	OAKLAND		LE HAVRE		
	HAMPTON ROADS		MARSEILLES		
	HONOLULU		HAMBURG		
	MIAMI		BREMEN PORTS		
	HOUSTON	F.R. OF GERMANY	JAPAN		KOBE YOKOHAMA TOKYO NAGOYA OSAKA
	LOS ANGELES				
	BALTIMORE				
	SAVANNAH				
UNITED KINGDOM	FELIXSTOWE LONDON	ITALY	LA SPEZIA		
AUSTRALIA	MELBOURNE BRISBANE	SPAIN	ALGECIRAS-LA LINEA BARCELONA VALENCIA	MALAYSIA	PORT KELANG KARACHI
NETHERLANDS	ROTTERDAM	SWEDEN	GOTHENBURG	PHILIPPINES	MANILA
GREECE	PIRAEUS	REP. OF KOREA	PUSAN	INDONESIA	TANJONG PRIOK

DEFINITIONS OF TERMS USED

1. Load Line
: The outer line on the body of a ship upto which she submerges in water with safety. It varies according to the seasons and waters in which she plies.
2. Draft
: The depth necessary to submerge a ship to their load line.
3. Dead Weight Tonnage (DWT)
: It is the number of tons of (2240 pounds) stores, fuel and cargo that a ship can transport. This presents the actual carrying capacity of a ship.
4. Gross Registered Tonnage (GRT)
: It applies to the vessels and not to cargo. It is the weight of the volume occupied by the closed-in-spaces of a ship taking 100 cubic feet of such closed-in-spaces as equivalent to one vessel ton. It thus refers to the cubic capacity of the vessels.
5. Net Registered Tonnage (NRT)
: It refers to the earning space capacity of a ship available for the storage of cargo and accommodation of passengers. It is obtained by deducting from GRT the cubic capacity space (taking 100 cubic feet = 1 ton) occupied by stores, fuel, machinery, crew etc. which does not represent the earning capacity of the ship.
6. Ore/Oil and Bulk Carrier
Tankers
: A bulk cargo ship designed to carry ore and oil enabling thereby to be loaded in both directions.
7. Sailing Vessel
: Cargo ships constructed or adopted for the carriage in bulk of liquid cargoes of an inflammable nature.
8. Sailing Vessel
: Any description of vessel provided with sufficient sail area for navigation under sails along whether or not fitted with mechanical means of propulsion and includes a rowing boat or crane but does not include a pleasure craft.

9.

Roll-on/Roll-off-
Vessel

: It is frequently called a vehicle ferry. It is designed for the conveyance of road vehicles and private cars. At each terminal port, a tramp of link span is provided enabling the vehicles to drive on or off the vessels, thereby eliminating the craneage and cargo handling (and also pilferage) and permitting a quick turn round of the ships.

10. Berth-Day

: A day of occupation of a berth (quay or mooring) by a ship.

11. Ship-Day

: A day spent in harbour by a ship.

12. Turn-Round Time

: Total time spent by a ship since its entry till its departure.

13. Port Dues

: A levy of port authority on a ship.

14. Pilotage

: A port charge for guiding a ship in or out of a harbour through channels, passages or other waters by an authorised pilot.

15. Output per Berth
Day

: Total tonnage handled distributed over the total number of berth days.

16. Idle Time

: Non-working time of a ship (without loading or unloading of cargo) at berth.

17. Pre-berthing
detention

: The time which a ship waits before getting entry into a berth.

18. Berth Occupancy

: The time which a berth is occupied (by ships).

19. Export

: Loaded overseas traffic.

20. Import

: Unloaded overseas traffic.

21. Traffic

22. Traffic flows

: A scalar with only magnitude but no direction such as the total of exports and imports or loaded and unloaded cargo.
: A vector with magnitude and direction such as passengers embarked or cargo exports/imports.