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BASIC PORT Statistics of India (1994-95)

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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	: Madras Port Trust
TPT	: Tuticorin Port Trust
CPT	: Cochin Port Trust
NMPT	: New Mangalore Port Trust
MOPT	: Mormugao Port Trust
JNPT	: Jawahar Lal Nehru Port Trust
BPT	: Bombay Port Trust
KPT	: Kandla Port Trust

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. Besides the 11 major Ports viz. Kandla, Bombay, J.L. Nehru, Mormugao, New Mangalore, Cochin, Tuticorin, Madras, Visakhapatnam, Paradip and Calcutta/Haldia, there are 163 minor/intermediate ports situated along the coast line of about 6,000 Kms. and at sea islands. Four of the major ports viz. Bombay, Calcutta, Madras 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 in 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 administrative 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 commoditywise break-up of capacity for the years 1993-94 & 1994-95 are as under:-

(In Million Tonnes)

Port	Port capacity as on	
	31.3.95	31.3.94
1. Calcutta and Haldia	23.78	23.65
2. Paradip	7.65	7.65
3. Visakhapatnam	23.35	23.35
4. Madras	22.07	22.07
5. Tuticorin	6.10	6.10
6. Cochin	11.26	10.80
7. New Mangalore	10.00	9.55
8. Mormugao	16.30	15.92
9. Bombay	26.80	26.80
10. Kandla	20.80	20.80
11. J.N.P.T.	5.90	5.90
Total All Ports	174.01	172.59
	-----	-----
	(iii)	

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

(In Million Tonnes)

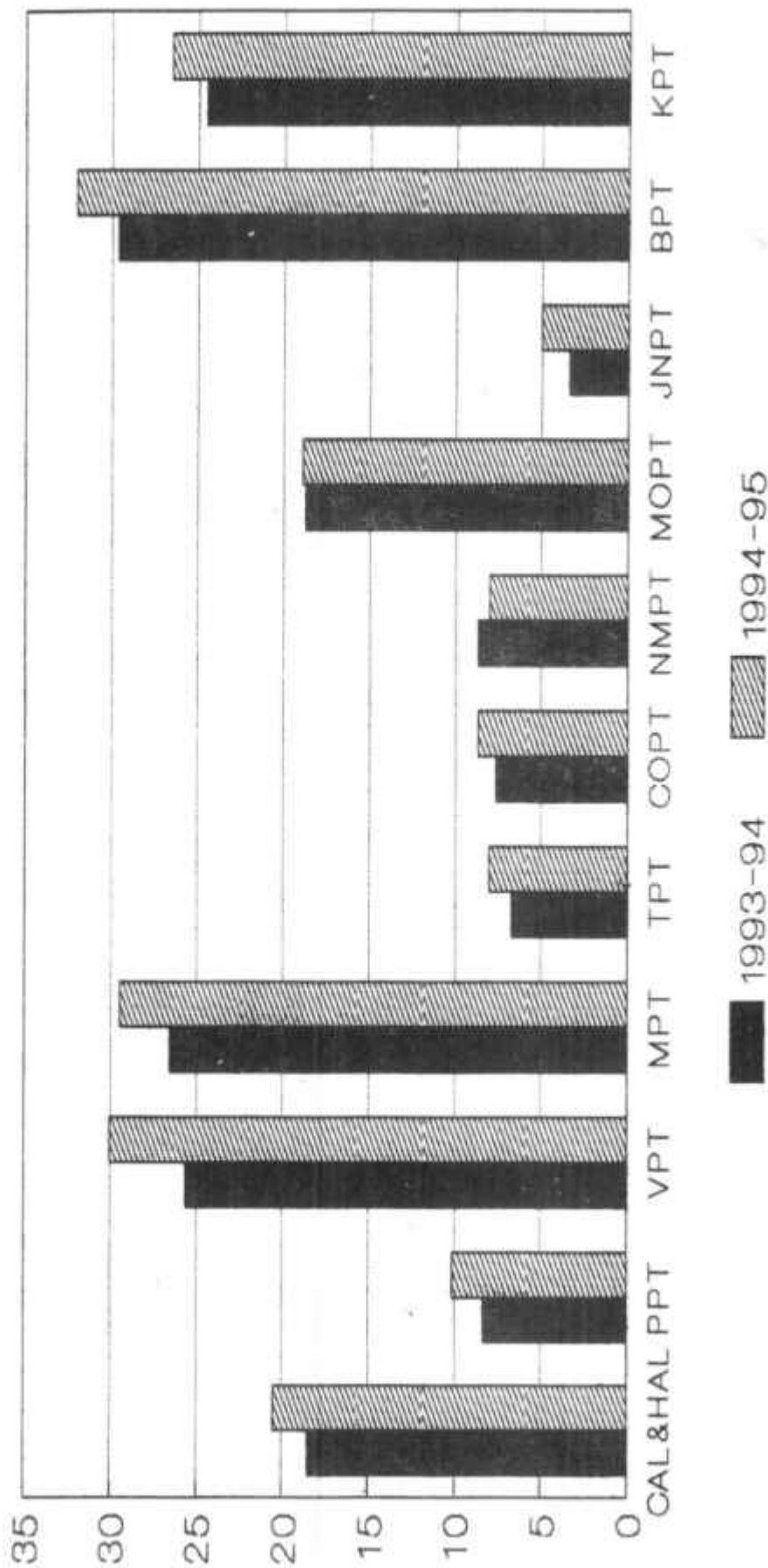
<u>Commodity</u>	<u>Capacity as on</u>	
	<u>31.3.94</u>	<u>31.3.95</u>
1. POL	78.00	78.00
2. Iron ore	41.50	41.50
3. Coal	8.00	8.00
4. Fertilizer & its raw material	7.95	7.95
5. Others incl. Containers	37.14	38.56
Total All Ports	<u>172.59</u>	<u>174.01</u>

(iv)

**PERFORMANCE OF MAJOR PORTS
1994-95**

Traffic Handled At Major Ports

(In Million Tonnes)



Performance of Ports During 1994-95

There are 11 major ports and 163 minor/intermediate ports in the country. The salient features of the performance of the ports for the year 1994-95 are described below:

(A) TRAFFIC HANDLED

All ports handled 215.67 million tonnes during 1994-95 registering a growth of 11.4% compared to the previous year. While the increase in traffic at the major ports was 10.73%, minor ports accounted for a higher traffic increase of 18.54%.

All major ports except New Mangalore showed a surge in traffic handled during 1994-95 compared to the previous year. The fall in traffic at New Mangalore was mainly due to lower nomination of Iron ore vessels.

Commodities like POL, Coal, Iron ore and Fertilizers registered increase while Fertilizer Raw Material, Foodgrains and others showed a decline in 1994-95 over 1993-94. Both container traffic and its share in total traffic increased during this period.

In case of minor ports, increase in traffic was mainly at the ports of Gujarat, Andhra Pradesh and Maharashtra. Among the ports in Gujarat, Porbandar and Surat accounted for a substantial increase in traffic in 1994-95 compared to the previous year.

(B) PERFORMANCE INDICATORS

(1) Average Pre-berthing detention

This has increased from 1.9 days during 1993-94 to 2.4 days during 1994-95. While it declined at Calcutta, Visakhapatnam, Tuticorin and Mormugao Ports, it remained at the previous year level at Cochin Port.

(1i) Average Turn-Round Time

This has increased from 6.3 days in 1993-94 to 7.6 days during 1994-95. However, it declined at Paradip, Visakhapatnam, Tuticorin and Cochin ports.

(1ii) Output per ship berth day

The output per ship berthday has increased from 3892 tonnes during 1993-94 to 4002 tonnes during 1994-95. This has increased at all ports except Haldia, New Mangalore, J.L. Nehru, Bombay and Kandla Ports.

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

The idle time to time at working berth has declined from 37% during 1993-94 to 33% during 1994-95. The performance in respect of this indicator shows improvement at all ports except Calcutta and New Mangalore.

(C) AVAILABILITY AND UTILISATION OF CARGO HANDLING EQUIPMENT

(1) Wharf Cranes

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

(ii) Mobile Cranes

The availability norm of mobile cranes ranges between 82 percent to 85 percent; its availability was below the norm at Calcutta, Haldia, Paradip, Cochin and New Mangalore. The norm for utilisation of Mobile Cranes is over 30 percent; the utilisation was below the norm at all ports.

(iii) Fork Lift Trucks

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

(D) FINANCIAL PERFORMANCE

The operating surplus at major ports during 1993-94 was Rs.669 crores compared to Rs.511 crores during 1992-93, an increase of 31%. The operating surplus has increased in all ports except New Mangalore, Cochin and Tuticorin. Accordingly, the operating ratio at major ports exhibits decline during this period in all ports except the ports where operating surplus has decreased. In case of J.L. Nehru, both operating surplus and operating ratio increased since its income and expenditure increased during 1993-94.

(E) OVERSEAS TRAFFIC

The overseas traffic during 1994-95 compared to 1993-94 was as follows:-

(In Million Tonnes)		
Traffic	1994-95	1993-94
		Change Incr. (+) / Decr. (-)

Exports		
Major Ports	52.03	53.18
Minor Ports	6.09	6.65
Total Exports	58.12	59.83

Imports		
Major Ports	80.56	75.44
Minor Ports	5.77	3.96
Total Imports	86.33	79.40

Total Overseas		
Major Ports	136.97*	128.62
Minor Ports	11.86	10.61
Grand Total	148.83	139.23

* Includes 4.38 million tonnes transshipment.

The total overseas traffic during 1994-95 increased by 6.9% over that of 1993-94; exports declined by 2.86% while imports increased by 8.73%.

TABLE - I

Number of Major and Minor Ports
in the Maritime States -- 1994-95

State / U.T.	Number of Major Ports	Number of Minor Ports	Total Number of Ports
West Coast			
Gujarat	1	39	40
Maharashtra	2	52	54
Goa	1	6	7
Karnataka	1	13	14
Kerala	1	13	14
East Coast			
Tamil Nadu	2	8	10
Pondicherry	-	2	2
Andhra Pradesh	1	9	10
Orissa	1	1	2
West Bengal	1	-	1
Lakshadweep Islands	-	1	1
Andaman & Nicobar Islands	-	19	19
TOTAL	11	163	174

TABLE - II
Port Capacities As On 31-3-95

Commodity	Calcutta	Haldia	Para-	Vizag	Madras	Tutic-	Cochin	New	Mormu-	Bombay	Kandla	JL	Total	
	Sta		d/d			Corin		Manga-	gao			Neru		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
P.O.L.	2.40	8.50	-	11.50	8.50	1.10	6.50	1.00	1.50	16.00	17.00	-	78.00	
	(6)	(2)		(3)	(2)	(1)	(3)	(1)	(1)	(5)	(2+SBM)		(28+SBM)	
Iron Ore	-	-	4.00	6.00	6.00	-	-	7.50	14.00	-	-	-	41.90	
			(1)	(1)	(1)			(1)	(1+trans-hippers)				(5+trans-hipper)	
Coal	-	5.00	-	-	-	3.00	-	-	-	-	-	-	8.00	
		(2)				(2)							(4)	
Fertilizers	-	1.80	2.00	0.35	-	-	0.40	-	-	-	0.50	2.90	7.95	
		(1)	(1)	(1)			(1)				(1)	(2)	(7)	
Gen. Break	2.80	1.43	1.65	3.50	3.65	2.00	1.40	1.50	0.80	7.55	3.30	-	29.58	
Bulk Cargo	(24)	(3)	(4)	(12)	(15)	(6)	(9)	(6)	(3)	(44)	(8)		(135)	
Containers	1.55	0.30	-	-	1.92	-	0.95	-	-	1.25	-	3.00	8.98	
	(2)	(1)			(2)		(2)			(3)		(3)	(13)	
Total	6.75	17.03	7.65	23.35	22.07	6.10	11.26	10.00	16.30	26.80	20.80	5.90	174.01	
	(32)	(9)	(6)	(17)	(20)	(9+8zone)	(15)	(8)	(5 +	(52)	(12 +	(5)	(190+	
									trans-hippers)		SBM)		SBM+trans-hippers)	

Note:- Increase in Capacity during 94-95 shown below

- i) Mormugao G.C. 0.38 MT (1)
- ii) Haldia General Cargo 0.13 MT
- iii) New Mangalore G.Cargo 0.45 MT (2)
- iv) Cochin Containers 0.46 MT

Figures in Brackets indicate number of berths.
SBM: Single Buoy Mooring.
Source:- Development Wing, MOST.

(x)

TABLE - III
Major Ports - Capacity And Traffic -- 1994-95
(In Million Tonnes)

Port	Capacity/ Traffic	POL	Iron Ore	Coal	Porti- liser & FRM	Other Cargo	Contai- ner	Total
1.	2.	3.	4.	5.	6.	7.	8.	9.
Calcutta	Capacity Traffic	2.40 2.04	- -	- -	- 0.14	2.80 1.86	1.55 1.76	6.75 5.80
Haldia	Capacity Traffic	8.50 7.69	- -	5.00 5.85	1.80 0.23	1.43 0.88	0.30 0.08	17.03 14.73
Paradip	Capacity Traffic	- 0.38	4.00 1.88	- 5.63	2.00 0.47	1.65 1.76	- -	7.65 10.12
Visakhapatnam	Capacity Traffic	11.50 11.24	8.00 5.55	- 7.72	0.35 1.70	3.50 3.69	- 0.13	23.35 30.03
Madras	Capacity Traffic	8.50 11.97	8.00 5.09	- 6.26	- 1.30	3.65 2.83	1.92 2.01	22.07 29.46
Tuticorin	Capacity Traffic	1.10 0.42	- -	3.00 4.39	- 0.55	2.00 2.03	- 0.65	6.10 8.04
Cochin	Capacity Traffic	8.50 6.60	- -	- -	0.40 0.50	1.40 0.83	0.96 0.70	11.26 8.63
New Mangalore	Capacity Traffic	1.00 0.74	7.50 6.05	- -	- 0.13	1.50 1.08	- 0.01	10.00 8.01
Mormugao	Capacity Traffic	1.50 1.93	14.00 15.70	- -	- 0.07	0.80 1.17	- 0.01	16.30 18.88
J.L. Nehru	Capacity Traffic	- -	- 0.57	- -	2.90 1.31	- 0.12	3.00 3.01	5.90 5.01
Bombay	Capacity Traffic	18.00 20.09	- -	- -	- 0.93	7.55 4.76	1.25 6.27	26.80 32.05
Kandla	Capacity Traffic	17.00 19.05	- neg.	- 0.05	0.50 1.16	3.30 5.44	- 0.80	20.80 26.50
All Ports	Capacity Traffic	78.00 82.15	41.50 34.84	8.00 29.90	7.95 8.49	29.58 26.45	8.98 15.43	174.01 197.26

Note:- Other Cargo includes Food Grains also.

Source :

1. Traffic - IPA

2. Capacity - Development Wing, MOST

(x1)

TABLE - IV

Traffic Handled At Major Ports of Selected Commodities -- 1994-95

(In '000 Tonnes)

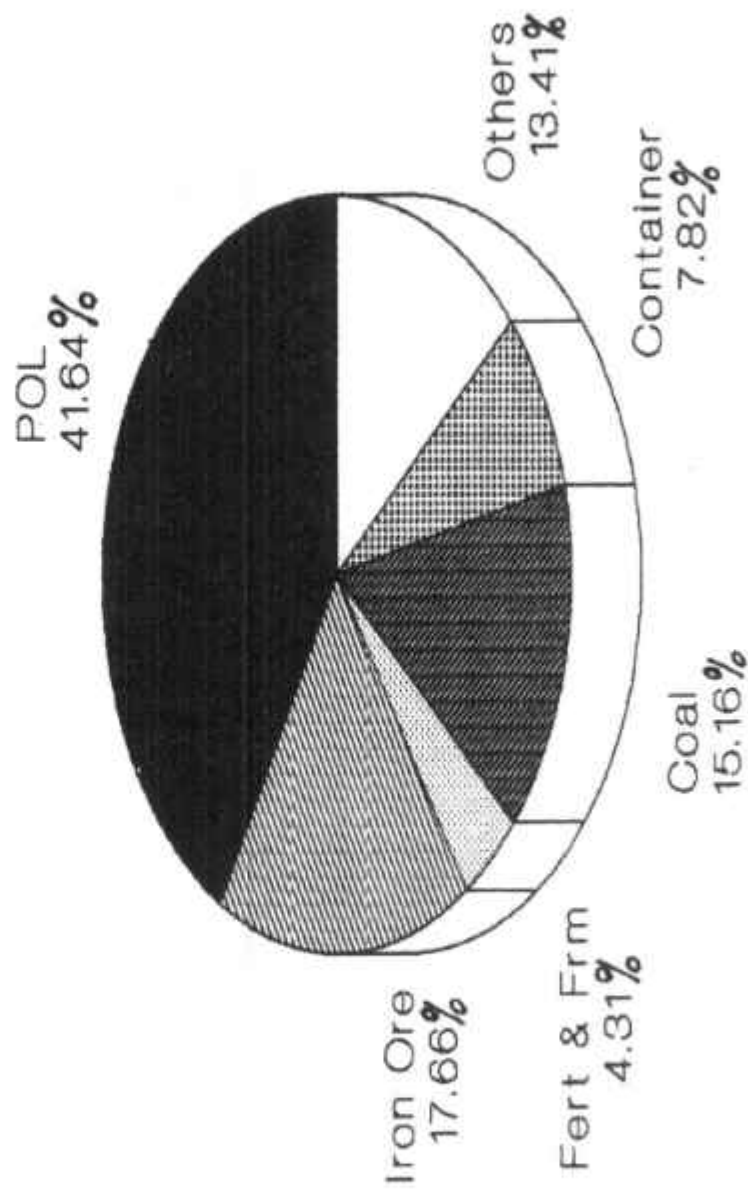
Port	POL	Iron Ore	Fertili- siser	FRM	Food- grains	Coal	Container Cargo		Others	Total
							'000 Tonnes	'000 TEUs		
Kandla	19047	2	705	452	689	52	798	51	4757	26502
Bombay	20093	-	64	865	100	-	6268	487	4657	32047
JL Nehru	-	570	1187	125	-	-	3004	250	122	5008
Mormugao	1938	15693	70	-	-	-	13	2	1167	18881
New Mangalore	742	6052	87	42	-	-	8	1	1074	8005
Cochin	6589	-	95	409	-	-	700	86	828	8631
Tuticorin	418	-	221	335	-	4386	653	57	2027	8040
Madras	11966	5094	893	406	4	6259	2019	200	2822	29463
Visakhapatnam	11237	5550	791	906	37	7724	126	11	3658	30029
Paradip	380	1881	125	343	-	5635	-	-	1757	10121
Calcutta	2040	-	98	45	-	-	1761	112	1860	5804
Haldia	7691	-	52	179	25	5841	83	6	860	14731
All Ports	82151	34842	4388	4107	855	29897	15433	1263	25589	197262

Source: Indian Ports Association.

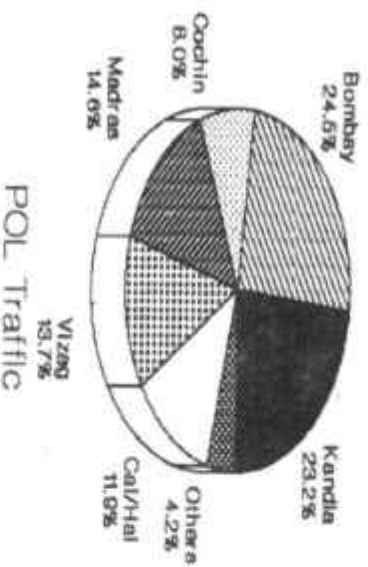
Traffic Handled At Major Ports

(In Million Tonnes)

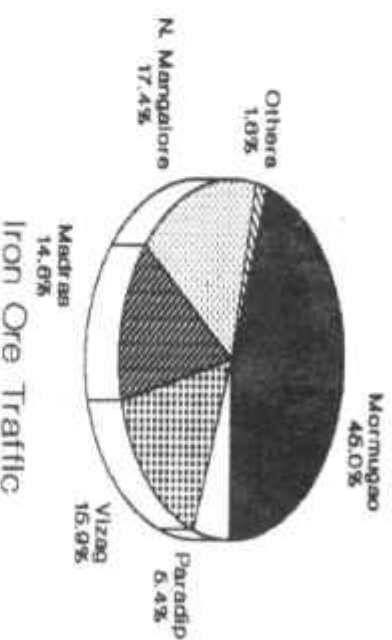
1994-95



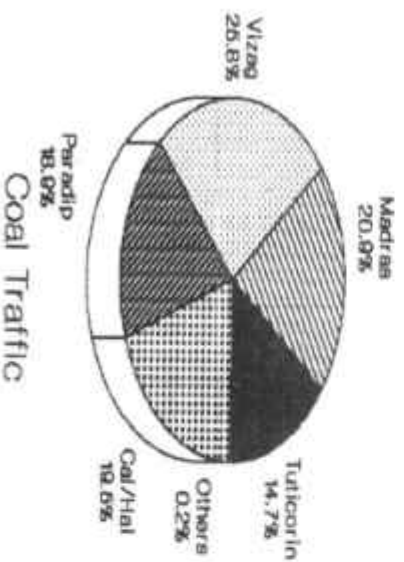
Traffic Handled at Major Ports (In Million Tonnes) 1994-95



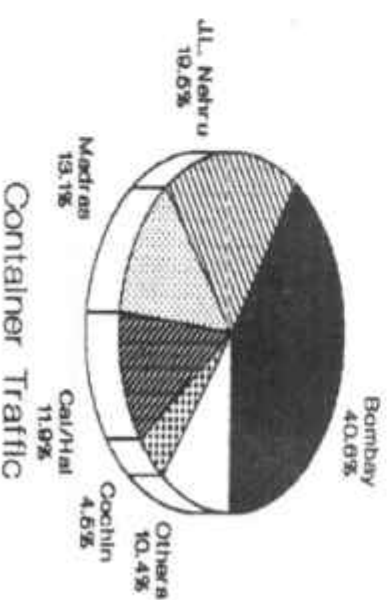
Traffic Handled at Major Ports (In Million Tonnes) 1994-95



Traffic Handled at Major Ports (In Million Tonnes) 1994-95



Traffic Handled at Major Ports (In Million Tonnes) 1994-95



Traffic Handled at Minor/Major Ports (In Million Tonnes)

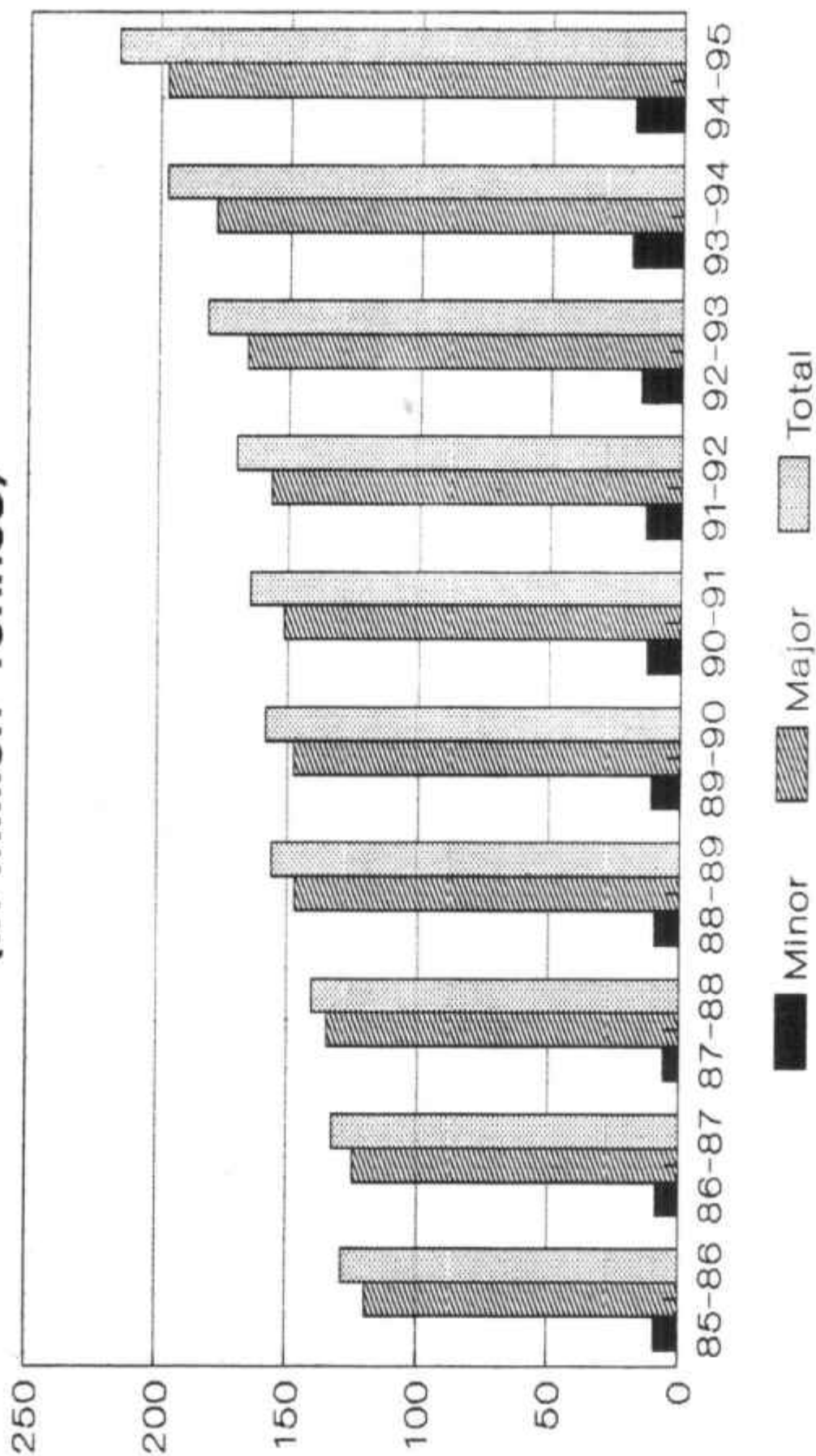


TABLE - V

Traffic Handled At Major Ports In India -- 1994-95
(Overseas and Coastal)

Port	Overseas				Coastal				Overseas & Coastal			
	Loaded	Unloaded	Tranship- ment	Total	Loaded	Unloaded	Tranship- ment	Total	Loaded	Unloaded	Tranship- ment	Total
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.
Kandla	3.05	18.62	0.15	21.62	0.80	3.88	-	4.68	3.85	22.50	0.15	26.50
Bombay	4.93	16.73	-	21.66	10.23	0.16	-	10.39	15.16	16.89	-	32.05
J.L. Nehru	1.75	3.11	-	4.86	0.12	0.03	-	0.15	1.87	3.14	-	5.01
Mormugao	15.42	1.29	0.73	17.44	0.73	0.65	0.06	1.44	16.15	1.94	0.79	18.88
New Mangalore	5.98	0.96	-	6.94	0.39	0.68	-	1.07	6.37	1.64	-	8.01
Cochin	0.88	2.95	-	3.83	0.55	4.25	-	4.80	1.43	7.20	-	8.63
Tuticorin	1.15	2.05	-	3.20	0.01	4.83	-	4.84	1.16	8.88	-	8.04
Madras	7.93	8.94	1.01	17.88	1.79	9.79	-	11.58	9.72	18.73	1.01	29.46
Visakhapatnam	6.94	11.13	2.27	20.34	5.84	2.44	1.41	9.69	12.78	13.57	3.68	30.03
Paradip	2.44	3.18	0.22	5.84	4.19	0.09	-	4.28	6.63	3.27	0.22	10.12
Halidia	0.19	9.54	-	9.73	4.56	0.44	-	5.00	4.75	9.98	-	14.73
Calcutta	1.37	2.06	-	3.43	0.33	2.04	-	2.37	1.70	4.10	-	5.80
All Ports	52.03	80.56	4.38	136.97	29.54	29.28	1.47	60.29	81.57	109.84	5.85	197.26

Source:- Indian Ports Association.

(xiii)

TABLE - VI

Cargo Traffic At Minor/Intermediate Ports -- 1994-95

(In '000 Tonnes)

State / U.T.	Overseas			Coastal			Overseas & Coastal		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
Gujarat	4985	5096	10081	2146	1448	3594	7131	6544	13675
Maharashtra	14	-	14	2293	144	2437	2307	144	2451
Goa	-	-	-	5	42	47	5	42	47
Daman & Diu	-	-	-	-	-	-	-	-	-
Karnataka	96	94	190	111	14	125	207	108	315
Kerala	...	...	...	...	...	...	...	...	...
Tamil Nadu	104	17	121	-	-	-	104	17	121
Pondicherry	26	-	26	-	-	-	26	-	26
Andhra Pradesh	386	842	1228	27	28	55	413	870	1283
Orissa	161	39	200	-	-	-	161	39	200
Andaman & Nicobar Islands	-	-	-	231	60	291	231	60	291
Total	5772	6088	11860	4813	1736	6549	10585	7824	18409

Source : Indian Port Association

(xlv)

Traffic Handled at Indian Ports (Million Tonnes)

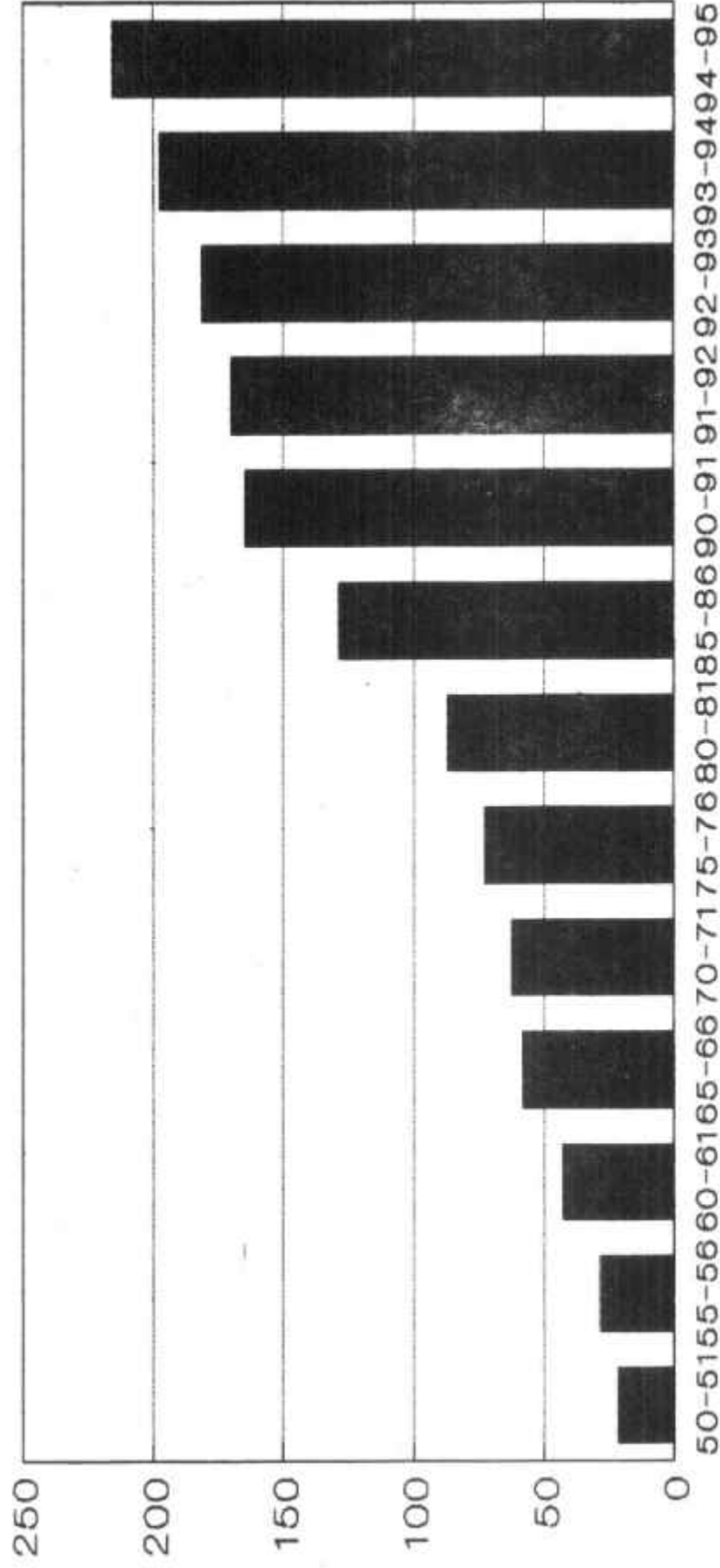


TABLE - VII

Month-Wise Vessels Arrived, Sailed And Traffic Handled During 1994-95

Name of the Port	April 1994	May 1994	June 1994	July 1994	Aug. 1994	Sept. 1994	Oct. 1994	Nov. 1994	Dec. 1994	Jan. 1995	Feb. 1995	March 1995
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.
Kandla												
i) Arrived	118	109	112	95	99	101	129	118	149	151	135	128
ii) Sailed	118	116	95	95	105	94	119	122	152	148	123	130
iii) Traffic handled	2018	2346	1859	2066	2096	2102	2226	2356	2430	2330	2191	2474
('000 Tonnes)												
Bombay												
i) Arrived	205	183	200	201	128	206	185	199	197	195	179	209
ii) Sailed	202	187	172	201	136	205	211	201	207	216	176	216
iii) Traffic handled	2621	2136	2307	2728	2867	2658	2982	2857	2738	2800	2482	2854
('000 Tonnes)												
J.L. Nehru												
i) Arrived	37	44	49	34	41	47	54	54	55	47	38	57
ii) Sailed	40	39	44	34	36	42	35	40	48	42	43	48
iii) Traffic handled	272	381	349	252	333	382	444	510	506	551	503	538
('000 Tonnes)												
Mormugao												
i) Arrived	72	65	34	29	36	39	55	64	58	59	60	78
ii) Sailed	72	65	35	29	35	38	48	63	61	55	58	68
iii) Traffic handled	2422	2185	611	313	272	472	1451	2217	1578	2592	2112	2592
('000 Tonnes)												

TABLE - VII (Contd.)

Month-Wise Vessels Arrived, Sailed And Traffic Handled During 1994-95

Name of the Port	April 1994	May 1994	June 1994	July 1994	Aug. 1994	Sept. 1994	Oct. 1994	Nov. 1994	Dec. 1994	Jan. 1995	Feb. 1995	March 1995
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.
New Mangalore												
i) Arrived	38	49	33	41	41	48	48	36	48	47	40	42
ii) Sailed	40	46	39	41	39	47	47	41	46	45	40	43
iii) Traffic handled	680	596	511	575	636	588	646	645	750	694	726	959
('000 Tonnes)												
Cochin												
i) Arrived	62	60	73	53	64	56	73	65	70	72	65	74
ii) Sailed	67	53	72	53	58	60	72	70	69	75	64	73
iii) Traffic handled	577	480	657	652	707	710	708	695	824	882	787	910
('000 Tonnes)												
Tuticorin												
i) Arrived	97	78	73	72	70	72	73	66	72	86	64	83
ii) Sailed	87	88	64	72	75	74	60	80	68	74	74	80
iii) Traffic handled	730	761	591	582	708	576	580	689	643	733	665	781
('000 Tonnes)												
Madras												
i) Arrived	135	110	109	118	127	131	124	116	127	121	140	156
ii) Sailed	120	119	106	118	120	133	131	106	122	129	142	153
iii) Traffic handled	2264	2441	1832	2587	2379	2678	2325	2460	2720	2393	2460	2926
('000 Tonnes)												

TABLE - VII (Contd.)

Month-Wise Vessels Arrived, Sailed And Traffic Handled During 1994-95

Name of the Port	April 1994	May 1994	June 1994	July 1994	Aug. 1994	Sept. 1994	Oct. 1994	Nov. 1994	Dec. 1994	Jan. 1995	Feb. 1995	March 1995
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.
Visakhapatnam												
i) Arrived	103	113	92	93	103	99	90	97	111	101	105	118
ii) Sailed	104	111	86	93	93	109	90	101	111	103	105	118
iii) Traffic handled	2364	2475	2202	2442	2286	2242	2043	2104	3018	2478	2579	3637
('000 Tonnes)												
Paradip												
i) Arrived	40	44	31	38	37	32	35	44	49	41	42	53
ii) Sailed	44	44	31	38	39	33	35	37	49	41	33	52
iii) Traffic handled	889	752	729	853	813	621	759	932	924	889	846	1114
('000 Tonnes)												
Haldia												
i) Arrived	62	58	61	60	65	63	64	72	60	74	66	75
ii) Sailed	59	59	59	60	66	60	67	72	62	76	66	74
iii) Traffic handled	1088	1130	1258	1142	1214	1150	1188	1239	1148	1446	1340	1388
('000 Tonnes)												

TABLE - VII (Contd.)

Month-Wise Vessels Arrived, Sailed And Traffic Handled During 1994-95

Name of the Port	April 1994	May 1994	June 1994	July 1994	Aug. 1994	Sept. 1994	Oct. 1994	Nov. 1994	Dec. 1994	Jan. 1995	Feb. 1995	March 1995
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.
Calcutta												
i) Arrived	65	55	55	60	68	65	78	66	60	55	58	80
ii) Sailed	70	51	56	60	61	70	70	70	60	58	57	70
iii) Traffic handled	466	416	433	457	445	560	548	481	506	473	420	605
('000 Tonnes)												
ALL PORTS												
i) Arrived	1034	968	922	894	879	959	1008	997	1056	1049	992	1153
ii) Sailed	1023	978	859	894	863	965	985	1003	1055	1062	981	1125
iii) Traffic handled	16391	16099	13339	14649	14756	14739	15900	17185	17785	18261	17111	20778
('000 Tonnes)												

Source : Indian Ports Association

(xviii)

TABLE - VIII

Selected Port Performance Indicators (Port-Wise) -- 1994-95

Item / Port	J.L.			New			Visa-			All Ports		
	Kandla	Bombay	Nehru	Mormu-	Manga-	Cochin	Tuticorin	Madras	Khapa-		Paradip	Haldia
1.No. of vessels sailed				gao	lore		corin	tnam				
1)Dry-bulk	174	135	48	267	162	26	231	383	488	333	260	216
1i) Tankers	683	858	2	318	201	287	125	483	483	119	412	210
1ii) Break-bulk	429	687	1	13	141	60	354	293	192	15	47	270
1v) Container	104	805	341	27	11	277	166	266	37	-	60	222
v) All Types	1390	2485	392	625	515	650	876	1425	1200	467	779	718
2.Av. Pre-berthing detention (days)												
1)Dry-bulk	5.9	8.8	9.2	0.4	5.9	0.9	1.9	1.8	1.8	1.5	1.8	2.1
1i) Tankers	4.5	4.2	0.7	0.9	0.6	1.3	0.9	3.4	0.3	1.5	2.4	0.9
1ii) Break-bulk	5.9	3.0	-	1.1	0.4	0.5	2.9	1.5	1.7	2.4	2.2	1.0
1v) Container	1.7	1.8	1.1	0.1	0.1	0.5	0.7	3.6	0.2	-	0.2	0.6
v) All Types	4.9	3.4	2.1	0.7	2.2	0.9	1.9	2.6	1.1	1.5	2.0	0.9
3.Av. Turn round time (days)												
1)Dry-bulk	17.9	23.6	25.2	7.8	7.6	15.4	7.0	9.2	8.0	6.5	10.1	19.7
1i) Tankers	6.7	7.7	11.3	4.8	1.6	3.3	2.4	5.5	2.3	3.0	4.5	5.0
1ii) Break-bulk	2.5	13.2	21.1	9.9	7.6	6.6	6.8	10.3	9.3	8.1	21.7	14.8
1v) Container	4.8	5.5	3.6	0.7	1.9	3.2	2.4	7.8	2.6	-	1.8	6.7
v) All Types	9.7	9.4	6.4	6.9	5.8	4.0	5.4	7.9	5.7	5.7	7.2	9.5

(x1x)

TABLE - VIII (Contd.)

Selected Port Performance Indicators (Port-Wise) -- 1994-95

Item	J.L.			New			Visa-			tba			Ports
	Kandla	Bombay	Nehru	Mormu-	Manga-	Cochin	Tutl-	Madras	Khapa-	Paradip	Haldira	Calcut-	
	gao	lore	cor'n	tnam	cor'n	tnam	cor'n	tnam	cor'n	tnam	cor'n	tnam	
4. % Idle time to time at working berth													
(i) Dry-bulk	15.2	27.9	-	20.6	49.0	46.2	34.4	32.7	13.1	24.8	38.2	46.5	25.3
(ii) Tankers	29.3	24.2	-	44.2	31.5	30.1	34.8	28.9	22.6	-	39.5	50.7	29.6
(iii) Break-bulk	16.6	38.1	-	37.5	60.4	51.6	47.9	43.8	19.0	20.0	50.2	52.0	39.5
(iv) Container	12.6	26.6	38.8	40.0	66.7	53.4	41.6	57.7	16.5	-	61.7	26.0	35.7
(v) All Types	18.8	31.9	19.6	25.7	53.9	45.6	41.2	39.7	16.3	22.4	40.2	46.6	32.6
5. Output per ship berth day(tonnes)													
(i) Dry-bulk	1393	925	2090	9947	11073	1447	4503	5273	6025	5602	3700	546	4718
(ii) Tankers	17949	10184	632	7728	5872	34040	5202	15844	13950	7743	15125	3184	12111
(iii) Break-bulk	1120	710	730	320	684	747	812	710	1294	650	636	401	754
(iv) Container	2800	2115	3091	670	306	1095	1544	1913	1508	-	1715	1931	2061
(v) All Types	4924	2601	2561	9107	4565	4510	2590	4647	6022	5581	5072	1015	4002

Source : Indian Ports Association

(xx)

Average Pre-berthing Waiting Time (In days)

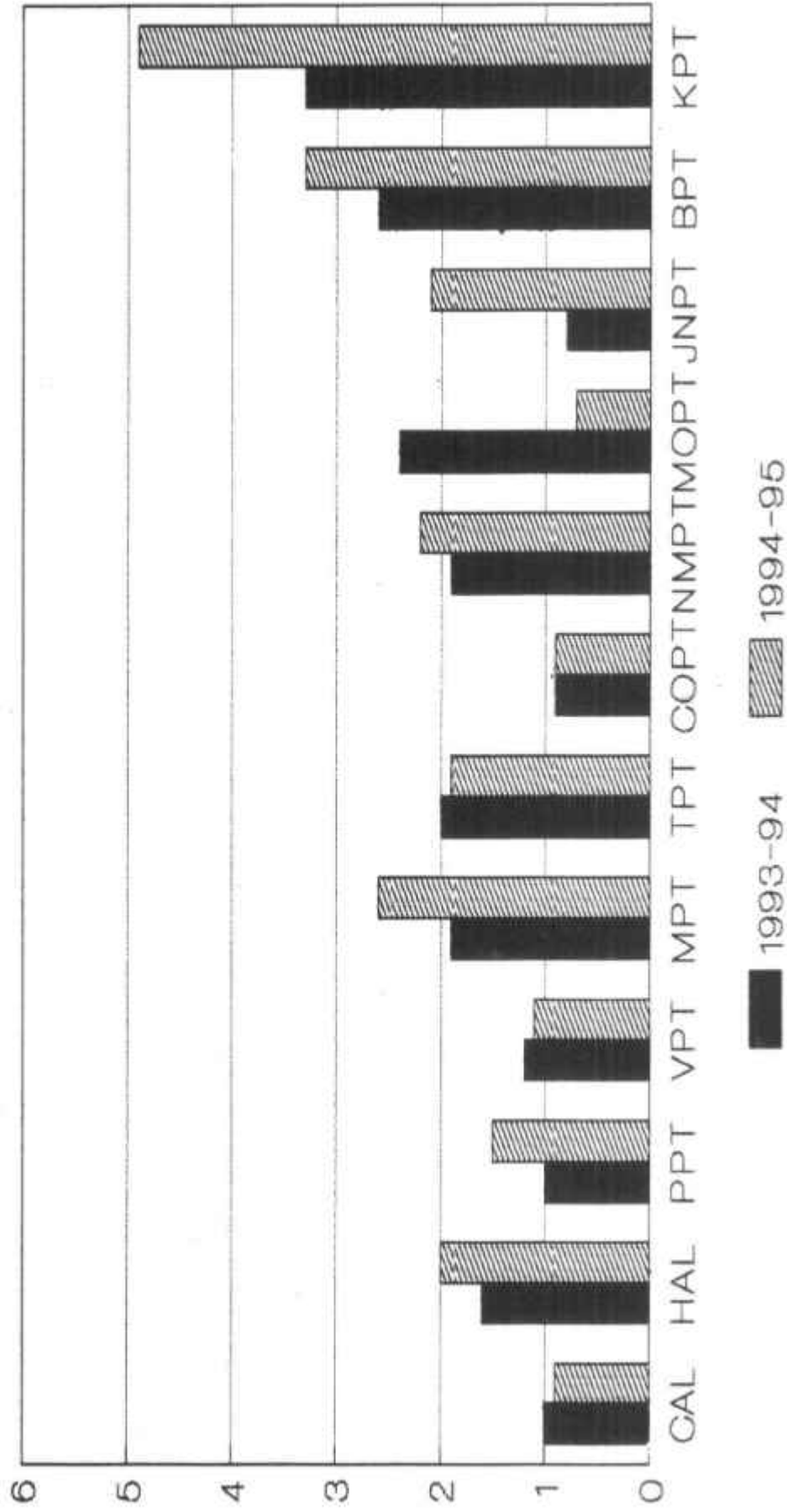


TABLE - IX

Major Ports - Average Pre-Berthing Time -- 1994-95

Port/Commodity		(In Days)											
		Calcu- tta	Haldia	Para- deep	Vizag	Madras	Tutl- corin	Cochin	MMPT	Mormu- gao	Bombay	Kandla	& All Ports
P.O.L.	1994-95	0.81	2.50	2.24	0.29	3.60	3.42	1.44	0.63	0.92	4.90	5.00	2.77
Iron Ore	1994-95	-	-	1.38	0.41	1.33	-	-	6.70	0.39	3.21	4.08	2.36
Coking Coal	1994-95	-	2.45	1.23	3.11	4.76	-	-	-	-	-	8.14	2.75
Thermal Coal	1994-95	-	0.98	1.07	0.44	0.68	1.43	-	-	-	-	-	0.95
Fertilizers	1994-95	1.08	1.36	3.35	2.47	3.14	1.56	0.63	0.98	0.49	7.40	4.35	2.81
Raw Materials	1994-95	4.11	3.47	2.41	1.69	2.51	3.50	1.10	1.26	-	10.06	5.44	5.24
Other Dry Bulk	1994-95	0.76	4.39	2.22	1.72	3.56	3.84	0.35	0.28	0.49	5.68	6.53	3.27
Other Lqd. Bulk	1994-95	1.51	0.60	0.42	0.20	1.27	0.68	0.46	0.34	0.42	2.07	3.42	1.71
General Cargo	1994-95	0.94	2.20	2.41	1.68	1.47	2.89	0.52	0.43	1.04	2.89	5.87	2.66
Containers	1994-95	0.59	0.17	-	0.18	3.78	0.65	0.51	0.11	0.05	1.83	1.67	1.56
Total	1994-95	0.85	1.99	1.54	1.11	2.64	1.93	0.86	2.19	0.65	3.32	4.87	2.40

Source : Indian Ports Association.

* Does not include data in respect of J.L. Nehru Port.

(xix)

Average Turn Round Time (In days)

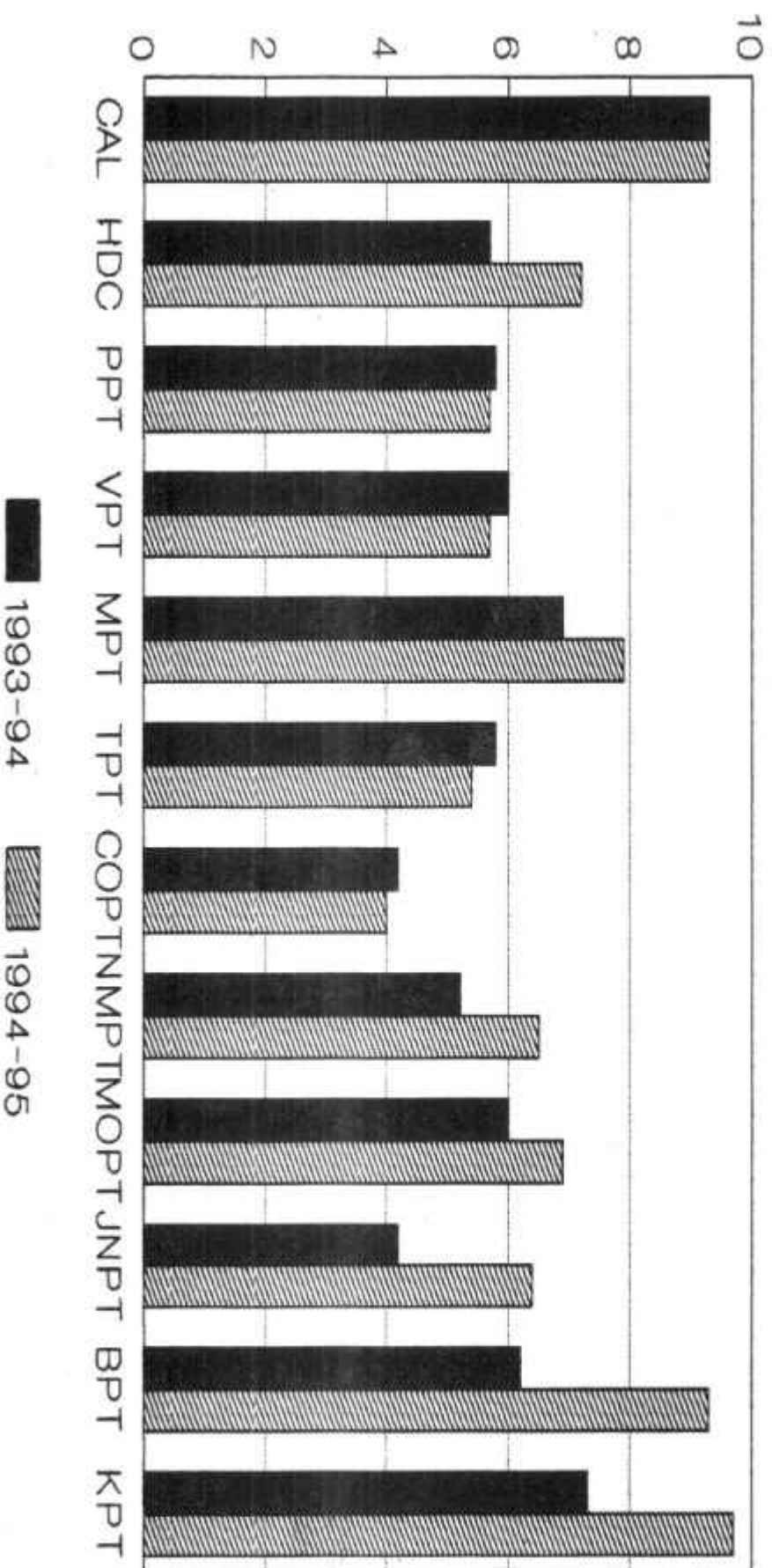


TABLE - X

Major Ports - Average Turn Round Time -- 1994-95

Port/Commodity		(In Days)											
		Calcu- tta	Haldia	Para- deep	Vizag	Madras	Tutic- corin	Cochin	NMPT	Mormu- gao	Bombay	Kandla	All Ports
P.O.L.	1994-95	4.98	4.57	3.63	2.39	5.96	3.45	3.53	1.72	5.00	8.03	7.15	5.32
Iron Ore	1994-95	-	-	3.70	3.08	3.97	-	-	6.92	8.70	13.00	6.05	7.09
Coking Coal	1994-95	-	14.12	6.07	9.34	13.78	-	-	-	16.85	-	15.35	10.54
Thermal Coal	1994-95	-	4.76	5.66	5.81	5.43	5.39	-	-	14.29	-	-	5.44
Fertilizers	1994-95	18.77	61.20	19.05	17.99	24.40	13.64	23.20	23.73	23.12	26.93	20.33	21.34
Raw Materials	1994-95	21.54	22.02	15.07	9.91	12.57	10.67	12.83	14.85	-	23.96	16.33	16.95
Other Dry Bulk	1994-95	16.19	18.09	6.83	6.38	13.79	11.11	15.51	7.90	11.63	22.9	18.03	12.38
Other Lad. Bulk	1994-95	6.95	3.10	2.01	1.60	3.35	1.91	1.99	1.29	2.80	6.62	5.76	4.30
General Cargo	1994-95	13.56	19.17	8.12	8.97	9.92	6.83	6.62	7.54	10.14	12.72	12.42	10.99
Containers	1994-95	6.66	1.79	-	2.60	8.04	2.38	3.23	35.04	0.69	5.46	4.81	5.29
Total	1994-95	9.31	7.18	5.66	5.68	7.91	5.42	4.05	6.46	6.88	9.26	9.74	7.61

Source : Indian Ports Association.

a Does not include data in respect of J.L. Nehru Port

(xxii)

TABLE - XI

Major Ports - Average Non-Working Time At Berth -- 1994-95

(In Days)

Port/Commodity	Calcutta	Haiderabad	Paradip	Vizag	Madras	Tuticorin	Cochin	MPT	Mormugao	Bombay	Kandla	All Ports	
P.O.L.	1994-95	1.41	0.48	0.01	0.57	0.87	0.71	0.56	0.38	3.32	1.17	0.74	1.01
Iron Ore	1994-95	-	-	1.02	0.53	1.11	-	-	0.93	4.18	-	0.61	2.14
Coking Coal	1994-95	-	2.98	0.90	1.22	2.68	-	-	-	2.73	-	1.36	1.77
Thermal Coal	1994-95	-	1.61	1.32	0.54	1.31	1.21	-	-	4.73	-	-	1.25
Fertilizers	1994-95	7.20	42.29	4.12	3.18	9.12	4.70	10.89	12.84	6.12	7.09	3.97	6.82
Raw Materials	1994-95	9.25	10.29	1.14	1.83	4.95	2.99	5.76	8.64	-	5.12	3.56	4.47
Other Dry Bulk	1994-95	5.78	6.31	1.29	1.04	3.85	3.71	5.73	4.02	4.97	5.65	3.46	3.20
Other Lqd. Bulk	1994-95	2.04	0.55	-	0.24	0.94	0.43	0.49	0.25	1.26	2.26	0.94	1.07
General Cargo	1994-95	5.83	9.64	1.34	1.72	4.67	1.94	2.94	4.25	4.65	4.56	2.19	3.77
Containers	1994-95	1.39	0.62	-	0.39	2.49	0.71	1.39	1.12	0.24	1.11	0.57	1.27
Total	1994-95	3.34	2.04	0.95	0.98	2.47	1.48	1.39	1.90	3.61	2.43	1.56	2.05

Source : Indian Ports Association.

* Does not include data in respect of J.L. Nehru Port.

(XIII)

Output Per Ship Berth Day (In Days)

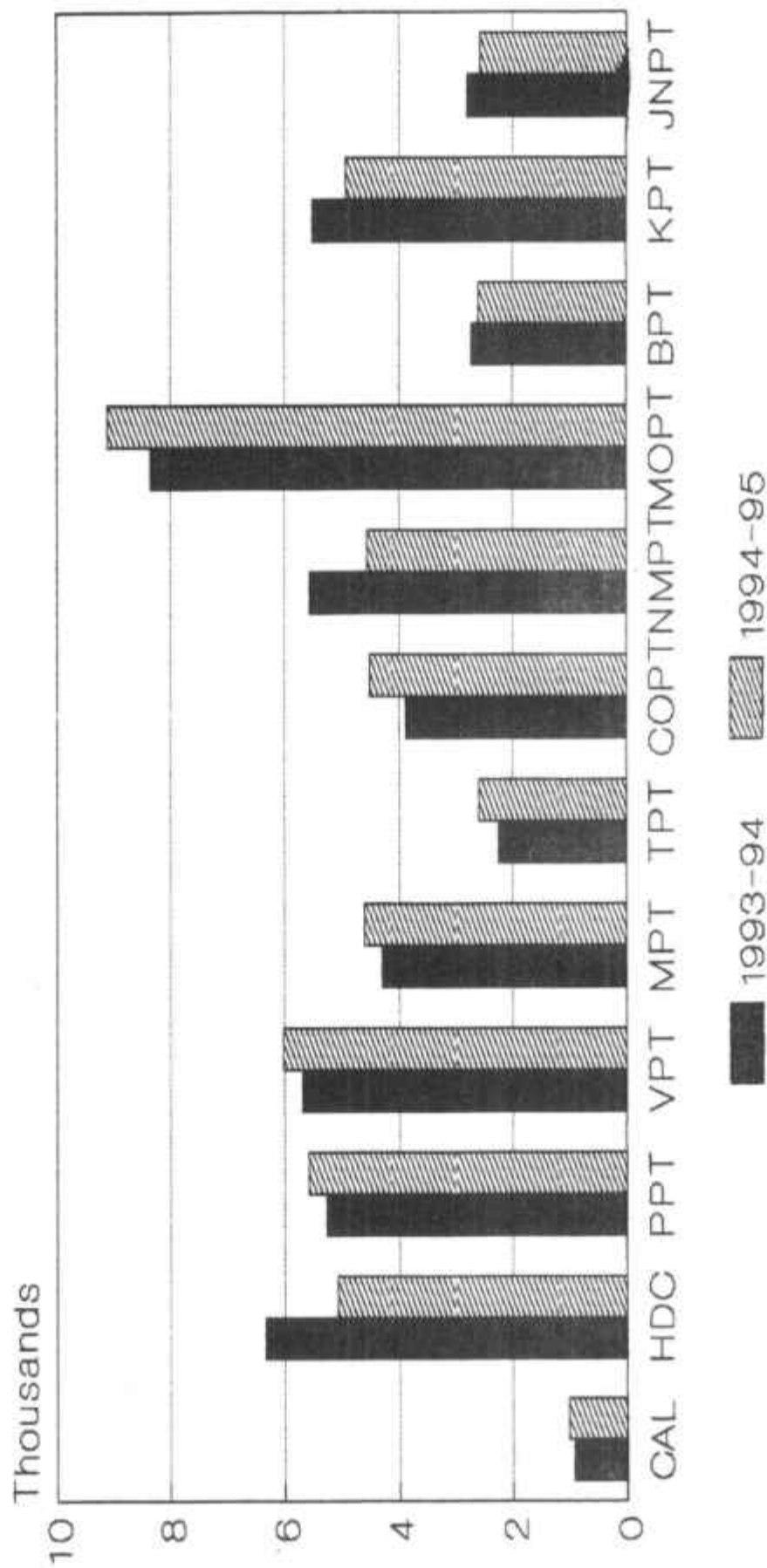


TABLE -XII

Major Ports - Output per Ship Berth Day -- 1994-95

(In Tonnes)

Port/Commodity	Calcu- tta	Haldia	Para- dip	Vizag	Madras	Tutl- Cochin	NMPT	Mormu- Bombay	Kandla			
P.O.L.	1994-95	3318	15833	6568	14590	17796	4823	15282	5847	7846	12358	24636
Iron Ore	1994-95	-	-	19992	29858	39913	-	-	20999	15903	3220	873
Coking Coal	1994-95	-	2359	6311	5854	2423	-	-	-	4123	-	1622
Thermal Coal	1994-95	-	11735	6120	5737	7127	6910	-	-	8224	-	-
Fertilizers	1994-95	504	448	1052	1557	1346	1100	754	646	646	888	1600
Raw Materials	1994-95	600	803	2637	2566	1488	1547	2076	704	-	743	1164
Other Dry Bulk	1994-95	271	1877	2988	4276	1826	1626	596	813	1742	1075	1325
Other Lqd. Bulk	1994-95	1327	6774	9297	7468	5091	5545	5761	5949	6335	1738	4750
General Cargo	1994-95	431	650	649	1299	689	816	747	684	367	737	1136
Containers	1994-95	1943	1725	-	1532	1926	1565	1095	310	670	2126	2821
Total	1994-95	1020	5072	5580	6021	4612	2589	4509	4564	9107	2604	4924

Source : Indian Ports Association.

**Detailed Tables
on
Port Sector (Major & Minor)
Time Series data upto
1993-94**

P o r t S e c t o r A t A G l a n c e

Item	1989-90	1990-91	1991-92	1992-93	1993-94
I. NO. OF PORTS					
i) Major	11	11	11	11	11
ii) Minor/Intermediate	163	163	163	163	163
iii) Total	174	174	174	174	174
MAJOR PORTS					
II. CARGO HANDLED					
(In million tonnes)					
i) POL	61.97	64.00	67.60	72.56	73.62
ii) Iron Ore	33.19	31.73	31.60	29.83	34.10
iii) Fertiliser & Raw Materials	8.11	8.94	9.92	9.91	9.47
iv) Coal	17.62	19.66	22.40	24.49	26.81
Coke & Coking Coal	4.81	5.97	6.21	7.02	7.81
Other Coal	12.81	13.69	16.19	17.47	19.00
v) Others (including containers)	26.68	27.12	25.12	29.07	34.14
Total	147.57	151.67	156.64	165.86	178.14
III. CONTAINERS					
('000 TEUs)	633	681	681	797	1048
(million tonnes)	7.34	7.70	6.72	7.62	11.90
IV. PASSENGER TRAFFIC					
HANDLED ('000 Nos.)	10	156	162	203	216

----- Port Sector At A Glance (Contd.) -----

V.EMPLOYMENT (Thousand number)	1990 ----- 99	1991 ----- 98	1992 ----- 93	1993 ----- 90	1994 ----- 99
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VI. FINANCIAL PERFORMANCE

i) Total Revenue (Rs. million)	1989-90 ----- 11416	1990-91 ----- 12582	1991-92 ----- 14474	1992-93 ----- 17865	1993-94 ----- 20646
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ii) Total Expenditure (Rs. million)	8520	9304	11002	12762	14445
--	------	------	-------	-------	-------

VII. SELECTED PERFORMANCE INDICATORS

i) Total Vessels * Sailed (Nos.)	1989-90 ----- 8724	1990-91 ----- 8919	1991-92 ----- 9026	1992-93 ----- 10214	1993-94 ----- 10712
-------------------------------------	--------------------------	--------------------------	--------------------------	---------------------------	---------------------------

ii) Av. Turn Round Time (days)	8.8	8.1	6.7	6.7	6.3
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iii) Av. Pre-Berthing Detention (days)	2.6	2.1	1.6	2.0	1.9
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iv) Output Per Ship Berthday (tonnes)	3273	3372	3942	3575	3892
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----- * This includes all vessels. -----

(II)

Port Sector At A Glance (Contd.)

Item	1989-90	1990-91	1991-92	1992-93	1993-94
MINOR PORTS					
I. CARGO HANDLED (In million tonnes)					
i) Fertiliser & raw material	2.98	2.63	2.15	3.01	2.28
ii) Iron & other ore	1.39	0.95	0.36	0.49	0.44
iii) Oil cakes	1.67	1.71	2.07	2.37	2.48
iv) Building material	1.40	1.86	1.80	1.53	1.55
v) Salt	0.19	0.17	0.17	0.17	0.25
vi) Others	3.22	5.46	6.78	7.84	12.14
TOTAL	10.86	12.78*	13.33*	15.41*	19.14*
II. PASSENGER TRAFFIC HANDLED (Million Nos.)	16.59	12.76	14.11	13.47	13.88
III. SHIP TRAFFIC (Nos.)					
i) Steamers	2479	2053	1955	2749	2856
ii) Sailing vessels	28224	26129	27072	22681	28526
IV. EMPLOYMENT (As on 31st March) (In thousand Nos.)	1990	1991	1992	1993	1994
	6.9	9.1	9.1	9.1	9.2

* Includes Transshipment.

(III)

SECTION -I

SUMMARY TABLES

(MAJOR/MINOR PORTS)

1.1.1 Trend Of Cargo Traffic Handled At Major/Minor 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									
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	3.64	7.84	33.33	32.68	66.01
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	73.57	43.16	116.73	24.35	24.78	49.13	97.92	67.94	165.86
1993-94	75.44	53.19	128.62	24.81	24.71	49.52	100.25	77.89	178.14
MINOR PORTS									
1970-71	0.87	3.39	4.26	0.86	1.56	2.42	1.73	4.95	6.68
1975-76	1.81	3.07	4.88	0.60	1.02	1.62	2.41	4.09	6.50
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	3.37	3.85	7.22	1.97	1.25	3.22	5.34	5.10	12.78
1991-92	2.95	4.10	7.05	2.85	1.37	4.22	5.80	5.47	13.33
1992-93	4.18	4.74	8.92	2.83	1.33	4.16	7.01	6.07	15.41
1993-94	3.96	6.65	10.61	3.50	1.42	4.92	7.46	8.07	19.14
ALL PORTS									
1970-71	22.37	29.97	52.34	4.92	5.00	9.92	27.29	34.97	62.26
1975-76	30.94	32.11	63.05	4.80	4.66	9.46	35.74	36.77	72.51
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	62.39	47.48	109.87	28.04	24.20	52.24	90.43	71.68	164.45
1991-92	62.86	48.99	111.85	29.51	26.55	56.06	92.37	75.54	169.97
1992-93	77.75	47.90	125.65	27.18	26.11	53.29	104.93	74.01	181.27
1993-94	79.40	59.83	139.23	28.31	26.13	54.44	107.71	85.96	197.28

Note:- The total traffic under minor ports and all ports includes transshipment figures on account of minor ports viz. 2.34, 2.06, 2.33 and 3.61 M.T. for the years 90-91, 91-92, 92-93 & 1993-94 respectively. As detailed break-up is not available, the total can not cross-tally with column totals.

1.1.2 Cargo Handled At Ports - By State

(In '000 Tonnes)

Port/State/Type of Traffic	1970-71	1975-76	1980-81	1985-86	1989-90	1990-91	1991-92	1992-93	1993-94
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
GUJARAT	4278	6305	11541	21051	25552	26655	29311	32594	36300
Kandla	1612	3203	8761	16486	18925	19685	21002	22910	24500
Other Ports	2666	3102	2780	4565	6627	6970	8309	9684	11800
Overseas	2361	4495	9552	12407	16735	18272	19665	25042	29479
Coastal	1917	1810	1989	8644	8817	8383	9646	7552	6821
Loaded	2099	2162	1859	3012	5302	5734	6905	6957	9760
Unloaded	2179	4143	9682	18039	20250	20921	22406	25637	26540
MAHARASHTRA	15288	17637	18351	25910	29782	31849	29587	31620	33661
Bombay	14370	16650	16978	24310	27746	28899	26261	28310	29628
J.L.Nehrū	-	-	-	-	697	2022	2794	3007	3387
Other Ports	918	987	1373	1600	1339	928	532	303	646
Overseas	12113	15028	13803	15438	18223	18984	17328	20750	24554
Coastal	3175	2609	4548	10472	11559	12865	12259	10870	9107
Loaded	4196	4889	5012	13657	15880	16157	15715	14502	14090
Unloaded	11092	12748	13339	12253	13902	15692	13872	17118	19571

1.1.2 Cargo Handled At Ports - By State

(In'000 Tonnes)

Port/State/Type of Traffic	1970-71	1975-76	1980-81	1985-86	1989-90	1990-91	1991-92	1992-93	1993-94
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
GOA	11005	12781	13772	16117	14168	14912	15111	16526	18929
Mormugao	11005	12768	13764	16115	14168	14911	15099	16314	18717
Other Ports	...	13	8	2	...	1	12	212	212
Overseas	10738	12309	13542	15659	13511	14213	14175	15251	17567
Coastal	267	472	230	458	657	699	936	1275	1362
Loaded	10652	12096	12922	14496	12685	13191	12709	14044	16306
Unloaded	353	685	850	1621	1483	1721	2402	2482	2623
Daman & Diu	...	12	7	4	1	neg.	neg.	-	-
Overseas	...	-	-	-	-	-	-	-	-
Coastal	...	12	7	4	1	neg.	neg.	-	-
Loaded	...	9	4	neg.	-	-	-	-	-
Unloaded	...	3	3	4	1	neg.	neg.	-	-
KARNATAKA	1165	1104	2031	4545	8314	8633	8657	7558	8940
N. Mangalore	-	339	963	3686	7661	8022	8274	7088	8630
Other Ports	1165	765	1068	859	653	611	383	470	310
Overseas	750	738	1475	3978	7668	7702	7335	6785	7955
Coastal	415	366	556	567	646	931	1322	773	985
Loaded	1028	741	1141	3113	6676	6999	7136	5744	7531
Unloaded	137	363	890	1432	1638	1634	1521	1814	1409

1.1.2 Cargo Handled At Ports - By State

(In '000 Tonnes)

Port/State/Type of Traffic	1970-71	1975-76	1980-81	1985-86	1989-90	1990-91	1991-92	1992-93	1993-94
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
KERALA	5144	4582	5424	5388	7281	7405	7611	8103	7719
Cochin	4812	4258	5233	5277	7124	7275	7481	7978	7620
Other Ports	332	324	191	111	157	130	130	125	99
Overseas	3937	3500	3836	2369	3085	2604	3106	3284	3107
Coastal	1207	1082	1588	3019	4196	4801	4505	4819	4612
Loaded	1518	1048	1292	819	1188	1145	1169	1233	1367
Unloaded	3626	3534	4132	4569	6093	6260	6442	6870	6352
TAMIL NADU	7844	9552	13128	22849	29640	2982	31099	31806	33321
Tuticorin	-	1366	2560	4221	5324	5075	5868	6215	6700
Madras	6925	7883	10375	18148	2394	2451	25046	25331	26541
Other Ports	919	303	193	480	376	227	185	260	80
Overseas	6933	8491	10979	15501	17736	17714	17849	18645	19428
Coastal	911	1061	2149	7348	11904	12106	13250	13161	13893
Loaded	3726	3348	4498	7341	10317	10062	10754	9864	10774
Unloaded	4118	6204	8630	15508	19323	19758	20345	21942	22547

1.1.2 Cargo Handled At Ports - By State

(In '000 Tonnes)

Port/State/Type of Traffic	1970-71	1975-76	1980-81	1985-86	1989-90	1990-91	1991-92	1992-93	1993-94
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
PONDICHERRY	188	392	49	118	229	70	53	47	22
Overseas	188	392	49	118	229	70	53	47	22
Coastal	-	-	-	-	-	-	-	-	-
Loaded	-	-	-	-	-	-	-	-	-
Unloaded	188	392	49	118	229	70	53	47	22
ANDHRA PRADESH	9233	9086	10972	16985	22491	20545	22702	24202	27402
Visakhapatnam	8733	8548	10123	15911	21117	19421	21522	22765	25595
Other Ports	500	538	849	1074	1374	1124	1180	1437	1807
Overseas	8846	8952	10300	12125	16301	14944	16014	19034	20327
Coastal	387	134	672	4860	6190	5601	6688	5168	7075
Loaded	6877	6120	6642	7378	11439	9719	11869	10919	13927
Unloaded	2356	2966	4330	9607	11052	10826	10833	13283	13475
ORISSA	2157	3326	2241	3331	6252	6945	7447	7813	8539
Paradip	2157	3326	2241	3331	6184	6884	7297	7606	8327
Other Ports	-	-	-	-	68	61	150	207	212
Overseas	2156	3315	2240	3049	4960	5001	5078	4427	4853
Coastal	1	11	1	282	1292	1944	2369	3386	3686
Loaded	2156	3137	1934	2374	3766	4056	4449	5231	5827
Unloaded	1	189	307	957	2486	2889	2998	2582	2712

1.1.2 Cargo Handled At Ports - By State

(In '000 Tonnes)

Port/State/Type of Traffic	1970-71	1975-76	1980-81	1985-86	1989-90	1990-91	1991-92	1992-93	1993-94
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
WEST BENGAL	5965	7663	9272	12128	14689	14953	16000	18337	18496
Calcutta-Haldia	5965	7663	9272	12128	14689	14953	16000	18337	18496
Other Ports	-	-	-	-	-	-	-	-	-
Overseas	4315	5829	7120	8664	9698	10372	11248	12383	11937
Coastal	1650	1834	2152	3464	4991	4581	4752	5954	6559
Loaded	2718	3184	2284	3471	4933	4537	4747	5422	6279
Unloaded	3247	4479	6988	8657	9756	10416	11253	12915	12217
SEA-ISLANDS	-	68	214	242	32	317	337	337	337
Other Ports	-	68	214	242	32	317	337	337	337
Overseas	-	-	3	-	-	-	-	-	-
Coastal	-	68	211	242	32	317	337	337	337
Loaded	-	28	100	126	1	82	99	99	99
Unloaded	-	40	114	116	31	235	238	238	238
ALL INDIA	62267	72508	87002	128668	158431	162104	167915	178943	193666
Major Ports	55579	66004	80270	119613	147575	151665	156644	165861	178141
Other Ports	6688	6504	6732	9055	10856	10439	11274	13082	15525
Overseas	52337	63049	72899	89308	108146	109876	111851	125648	139229
Coastal	9930	9459	14103	39360	50285	52228	56064	53295	54437
Loaded	34970	36762	37688	55787	72187	71682	75552	74015	85960
Unloaded	27297	35746	49314	72881	86244	90422	92363	104928	107706

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

Port/State/Type of Traffic	1970-71	1975-76	1980-81	1985-86	1989-90	1990-91	1991-92	1992-93	1993-94
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
GUJARAT									
Kandla	1474	2924	8190	15175	16755	17271	18148	20503	20953
Other Ports	705	1219	1492	2864	3495	3650	4258	5134	5587
Total	2179	4143	9682	18039	20250	20921	22406	25637	26540
Overseas	1060	2959	8123	10737	12569	13737	14126	19264	20891
Coastal	1119	1184	1559	7302	7681	7184	8280	6373	5649
MAHARASHTRA									
Bombay	10973	12654	13209	11947	13141	13719	11506	14715	16861
Jawaharlal Nehru	-	-	-	-	507	1645	2061	2105	2088
Other Ports	119	94	130	306	254	328	305	298	622
Total	11092	12748	13339	12253	13902	15692	13872	17118	19571
Overseas	9663	11630	10725	11168	13353	14770	13143	16704	18744
Coastal	1429	1118	2614	1085	549	922	729	414	827
GOA									
Mormugao	353	675	843	1621	1483	1721	2396	2394	2535
Other Ports	...	10	7	-	...	-	6	88	88
Total	353	685	850	1621	1483	1721	2402	2482	2623
Overseas	86	216	621	1163	847	1058	1660	1720	1910
Coastal	267	469	229	458	636	663	742	762	713
DAMAN & DIU									
Other Ports	...	3	3	4	1	neg.	neg.	neg.	neg.
Total	...	3	3	4	1	neg.	neg.	neg.	neg.
Overseas	...	-	-	-	-	-	-	-	-
Coastal	...	3	3	4	1	neg.	neg.	neg.	neg.

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

('000 Tonnes)

Port/State/Type of Traffic	1970-71	1975-76	1980-81	1985-86	1989-90	1990-91	1991-92	1992-93	1993-94
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
KARNATAKA									
New Mangalore	-	206	639	996	1294	1363	1298	1530	1245
Other Ports	137	157	251	436	344	271	223	284	164
Total	137	363	890	1432	1638	1634	1521	1814	1409
Overseas	34	242	509	1015	1062	958	776	1127	718
Coastal	103	121	381	417	576	676	745	687	691
KERALA									
Cochin	3447	3321	4112	4557	6053	6251	6433	6864	6351
Other Ports	179	213	20	12	40	9	9	6	1
Total	3626	3534	4132	4569	6093	6260	6442	6870	6352
Overseas	3436	3109	3533	1803	2519	2138	2566	2601	2323
Coastal	190	425	599	2766	3574	4122	3876	4269	4029
TAMIL NADU									
Tuticorin	-	922	2117	4016	4900	4541	5099	5408	5606
Madras	3737	5087	6412	11107	14097	15000	15064	16286	16879
Other Port	381	195	101	385	326	217	182	248	62
Total	4118	6204	8630	15508	19323	19758	20345	21942	22547
Overseas	3772	5488	7365	9361	8788	8978	8413	10187	9807
Coastal	346	716	1265	6147	10535	10780	11932	11755	12740

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

Port/State/Type of Traffic	1970-71	1975-76	1980-81	1985-86	1989-90	1990-91	1991-92	1992-93	1993-94
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
PONDICHERRY									
Other Ports	188	392	49	118	229	70	53	47	22
Total	188	392	49	118	229	70	53	47	22
Overseas	188	392	49	118	229	70	53	47	22
Coastal	-	-	-	-	-	-	-	-	-
ANDHRA PRADESH									
Visakhapatnam	2325	2876	3999	8941	10410	10322	10431	12774	12930
Other Ports	31	90	331	666	642	504	402	509	545
Total	2356	2966	4330	9607	11052	10826	10833	13283	13475
Overseas	2253	2904	3797	5528	7824	8429	8999	12499	12018
Coastal	103	62	533	4079	3228	2397	1834	784	1457
ORISSA									
Paradip	1	189	307	957	2460	2839	2880	2428	2581
Other Ports	-	-	-	-	26	50	118	154	131
Total	1	189	307	957	2486	2889	2998	2582	2712
Overseas	-	188	306	957	2486	2889	2998	2582	2708
Coastal	1	1	1	-	-	-	-	-	4

1.1.3 Cargo Unloaded (Overseas & Coastal) At Ports - By State ('000 Tonnes)

Port/State/Type of Traffic	1970-71	1975-76	1980-81	1985-86	1989-90	1990-91	1991-92	1992-93	1993-94
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
WEST BENGAL									
Calcutta-Haldia	3247	4479	6988	8657	9756	10416	11253	12915	12217
Other Ports	-	-	-	-	-	-	-	-	-
Total	3247	4479	6988	8657	9756	10416	11253	12915	12217
Overseas	1872	3810	5983	7841	8701	9366	10125	11017	10261
Coastal	1375	669	1005	816	1055	1050	1128	1898	1956
SEA-ISLAND									
Other Ports	-	40	114	116	31	235	238	238	238
Total	-	40	114	116	31	235	238	238	238
Overseas	-	-	-	-	-	-	-	-	-
Coastal	-	40	114	116	31	235	238	238	238
ALL INDIA									
MAJOR PORTS	25557	33333	46816	67974	80856	85088	86569	97922	100246
Other Ports	1740	2413	2498	4907	5388	5334	5794	7006	7460
Total	27297	35746	49314	72881	86244	90422	92363	104928	107706
Overseas	22364	30938	41011	49691	58378	62393	62859	77748	79402
Coastal	4933	4808	8303	23190	27866	28029	29504	27180	28304

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

Port/State/Type of Traffic	1970-71	1975-76	1980-81	1985-86	1989-90	1990-91	1991-92	1992-93	1993-94
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
GUJARAT									
Kandla	138	279	571	1311	2170	2414	2854	2407	3547
Other Ports	1961	1883	1288	1701	3132	3320	4051	4550	6213
Total	2099	2162	1859	3012	5302	5734	6905	6957	9760
Overseas	1301	1536	1429	1670	4166	4535	5539	5778	8588
Coastal	798	626	430	1342	1136	1199	1366	1179	1172
MAHARASHTRA									
Bombay	3397	3996	3769	12363	14605	15180	14755	13595	12767
Jawaharlal Nehru	-	-	-	-	190	377	733	902	1299
Other Ports	799	893	1243	1294	1085	600	227	5	24
Total	4196	4889	5012	13657	15880	16157	15715	14502	14090
Overseas	2450	3398	3078	4270	4870	4214	4185	4046	5810
Coastal	1746	1491	1934	9387	11010	11943	11530	10456	8280
GOA									
Mormugao	10652	12093	12921	14494	12685	13190	12703	13920	16182
Other Ports	...	3	1	2	-	1	6	124	124
Total	10652	12096	12922	14496	12685	13191	12709	14044	16306
Overseas	10652	12093	12921	14496	12664	13155	12515	13531	15657
Coastal	...	3	1	-	21	36	194	513	649
Daman & Diu									
Other Ports	...	9	4	neg.	-	-	-	-	-
Total	...	9	4	neg.	-	-	-	-	-
Overseas	...	-	-	-	-	-	-	-	-
Coastal	...	9	4	neg.	-	-	-	-	-

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

Port/State/Type of Traffic	1970-71	1975-76	1980-81	1985-86	1989-90	1990-91	1991-92	1992-93	1993-94
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
KARNATAKA									
New Mangalore	-	133	324	2690	6367	6659	6976	5558	7385
Other Ports	1028	608	817	423	309	340	160	186	146
Total	1028	741	1141	3113	6676	6999	7136	5744	7531
Overseas	716	496	966	2963	6606	6744	6559	5658	7237
Coastal	312	245	175	150	70	255	577	86	294
KERALA									
Cochin	1365	937	1121	720	1071	1024	1048	1114	1269
Other Ports	153	111	171	99	117	121	121	119	98
Total	1518	1048	1292	819	1188	1145	1169	1233	1367
Overseas	501	391	303	566	566	466	540	683	784
Coastal	1017	657	989	253	622	679	629	550	583
TAMIL NADU									
Tuticorin	-	444	443	205	424	534	769	807	1094
Madras	3188	2796	3963	7041	9843	9518	9982	9045	9662
Other Ports	538	108	92	95	50	10	3	12	18
Total	3726	3348	4498	7341	10317	10062	10754	9864	10774
Overseas	3161	3003	3614	6140	8948	8736	9436	8458	9621
Coastal	565	345	884	1201	1369	1326	1318	1406	1153

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

Port/State/Type of Traffic	1970-71	1975-76	1980-81	1985-86	1989-90	1990-91	1991-92	1992-93	1993-94
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
PONDICHERY									
Other Ports	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-
Overseas	-	-	-	-	-	-	-	-	-
Coastal	-	-	-	-	-	-	-	-	-
ANDHRA PRADESH									
Visakhapatnam	6408	5672	6124	6970	10707	9099	11091	9991	12665
Other Ports	469	448	518	408	732	620	778	928	1262
Total	6877	6120	6642	7378	11439	9719	11869	10919	13927
Overseas	6593	6048	6503	6597	8477	6515	7015	6535	8309
Coastal	284	72	139	781	2962	3204	4854	4384	5618
ORISSA									
Paradip	2156	3137	1934	2374	3724	4045	4417	5178	5746
Other Ports	-	-	-	-	42	11	32	53	81
Total	2156	3137	1934	2374	3766	4056	4449	5231	5827
Overseas	2156	3127	1934	2092	2474	2112	2080	1845	2145
Coastal	-	10	-	282	1292	1944	2369	3386	3682

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

Port/State/Type of Traffic	1970-71	1975-76	1980-81	1985-86	1989-90	1990-91	1991-92	1992-93	1993-94
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
WEST BENGAL									
Calcutta-Haldia	2718	3184	2284	3471	4933	4537	4747	5422	6279
Other Ports	-	-	-	-	-	-	-	-	-
Total	2718	3184	2284	3471	4933	4537	4747	5422	6279
Overseas	2443	2019	1137	823	997	1006	1123	1366	1676
Coastal	275	1165	1147	2648	3936	3531	3624	4056	4603
SEA-ISLANDS									
Other Ports	-	28	100	126	1	82	99	99	99
Total	-	28	100	126	1	82	99	99	99
Overseas	-	-	3	-	-	-	-	-	-
Coastal	-	28	97	126	1	82	99	99	99
ALL INDIA									
Major Ports	30022	32671	33454	51639	66719	66577	70075	67939	77895
Other Ports	4948	4091	4234	4148	5468	5105	5477	6076	8065
Total	34970	36762	37688	55787	72187	71682	75552	74015	85960
Overseas	29973	32111	31888	39617	49768	47483	48992	47900	59827
Coastal	4997	4651	5800	16170	22419	24199	26560	26115	26133

SECTION -II

MAJOR PORTS

- 2.1 PORT FACILITIES**
- 2.2 CARGO TRAFFIC**
- 2.3 PASSENGER TRAFFIC**
- 2.4 SHIP TRAFFIC**
- 2.5 PORT 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 Har- bour ent- rance (Km)	Mini- mum :um :Depth :Width : (Mtrs) : (Mtrs) : (Mtrs)	No. : (in mtrs.) : Diameter				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Kandla	22 55.7'N 70 07.1'E	27.8	4.3	185	No turning circle available.			Tidal Port with straight line cargo berth. Off-shore Oil Terminal. (Single buoy Mooring)
Bombay	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). Open type Harbour protected by break-water
Mormugao	15 25'N 73 47'E	5.0	13.7	250	1	480		Artificial lagoon port with open berth.
New Mangalore	12 55'N 74 48'E	6.0	13.5	...	1	590		Protected wet port.
Cochin	9 58'N 76 14'E	10.5	11.7	185	2	730		

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- (Mtrs)	Min- mum Depth (Mtrs)	Min- mum Width (Mtrs)
				No. (in mtrs.)
(1)	(2)	(3)	(4)	(5)
				(6)
				(7)
				(8)
				(9)
Tuticorin	8 45' N 78 13' E	5.6	9.2	153
				1
				486
Open to wind & weather				
Madras	13 6' N 80 18' E	6.7	11 18.6	255
			OH 19.2	1
				548
Artificial Harbour with wet docks.				
Visakhapatnam	17 41' N 83 18' E	4.4	10.7	80
				1
				366
Natural Harbour.				
-Inner Harbour		2.6	19.0	200
				1
				610
-Outer Harbour				
Paradip	20 15' N 86 40' E	5.8	12.8	160
				1
				520
Artificial Lagoon Type port/open docks.				
Calcutta	22 33' N 88 19' E	40.0	6.7	467
				2
				549
Impounded-wet docks and river side jetties.				
Haldia	22 2' N 80 6' E	116.7	9.14	467
				1
				550

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 1993-94
(1)	(2)	(3)	(4)	(5)	(6)
Kandla	General Cargo Jetties (7)	9.75	225.55	54000	97
	Oil Jetty - I (1)	10.36	225.55	40000	93
	Oil Jetty - II (1)	9.14	192.02	28000	66
	Oil Jetty - III (1)	9.45	225.55	40000	92
	S.B.M. (Vadinar) (1)	22.0	-	280000	48
Bombay	Indira Dock (28*)	8.5-10.7	244	Length overall 600 feet.	76
	Victoria Dock (12)	7.9	152	Length overall 460 feet.	63
	Princes Dock (8)	7.3	212	Length overall 500 feet.	82
	Jawahar Dweep (4)	11.6-14.3	244-493	80000 DWT	81
	Pir Pau Oil Pier (1)	9.7	174	16000 DWT	69
J.L. Nehru	Container (3)	13.5 (each)	680 Linear length of Quay	3rd Generation container U/L's	64
	Dry Bulk (2)	13.5 (each)	500	70000 DWT	82
	Service	13.5	212	50000 DWT	22

*: 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 1993-94
(1)	(2)	(3)	(4)	(5)	(6)
Mormugao	1. Port Craft (1)	4.3	90	-	-
	2. General Cargo	6.0	90	2000	56
	3. @ (Partly upto Ballard No. 7)				
	4. General Cargo (Partly from Ballard No.14-16)	8.5	65	1000	13
	5. General Cargo	8.5	159	25000	85
	6. General Cargo	6.0	223	30000	70
New Mangalore	7. Berge Berth (adjacent to berth No.6)	3.5	100	-	-
	8. Oil Berth	12.5	116(298**)	100000	85
	9. MOHP	13.0	222(357**)	275000	67
	10. Multi purpose	10.0	250	34000	95
	11. General Cargo	10.0	270	34000	
	General (7)	7.0-10.1	125-198	2000	12,62,60,36
	KLOCL (1)	12.5	285	(each) 6000	68,48,48
	Oil Jetty (1)	10.1	330	3000	71
					41

@ : Ballard No. between 7 to 14 out of commission

** : Length between extreme morning 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 1993-94
(1)	(2)	(3)	(4)	(5)	(6)
Cochin	Break bulk (8)	8.0-9.1 (each)	152-183	...	54, 35, 45, 44, 62 69, 71, -
	Fertiliser (3)	8.0-10.7	152-207	...	64, 49, -
	Oil Terminal (1)	10.7-11.7	198-440	120000	58
	Tanker berth (2) (North/South)	9.1	-	...	39
	Container (1) Terminal (Q8/Q9)	9.1-10.7	414	...	34
Tuticorin	General Cargo Berth (6)	8.2	168-192		93
	Oil Jetty (1)	8.2	228	50000	33
	Coal Jetty (1)	8.2	235	(Draft is the Limiting factor)	91
	Finger Jetty (1)	4.5	90		-
Madras	Break Bulk/ Neo Bulk (9)	7.92-9.14	157-198	...	75, 85, 69, 71, 80, 71 83, 73, 92 88, 73
	Container Terminal (2)	13.4 (each)	200 (each)	...	
	Liquid Bulk (2)	16.00-17.4	304&338.94	...	68, 71
	Dry Bulk (4)	11.00-17.4	218-222	...	86, 77, 78, 71
	Others (6)	9.14-10.4	179-246	...	78, 100, 100, 83, 91, 85.

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)
Visakhapatnam					
Inner Harbour :					
	Multi-Purpose Berths* (11)	10.1-10.2	168-195	36000	102
	Dry Bulk Berth (1)	10.1	194	35000	85
	(Mech) F B				
	Oil Berth (2)				
	Liquid Bulk Berth	10.1**	183	36000	51
	Liquid Bulk Berth	9.8	183	36000	91
Outer Harbour :					
	Ore Berth (2)				
	Dry Bulk Berth (Iron-ore)	16.0	270	120000	70
	Dry Bulk Berth (Iron-ore)	16.0	270	120000	41
	General-cum-Bulk				
	Cargo Berth (1)	13.2	232	60000	102
	Off-shore Tanker				
	Terminal Berth (1)	15.0	280	120000	55

* For handling Break-Bulk/Container.

** On a rising tide of 0.91 meters.

2.1.1.2 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)
Paradip	General Cargo Berth (3)				
	Dry & Break-Bulk-I	11.0	291	50000-55000	80
	Dry & Break-Bulk-II	11.0	196	-do-	78
	Dry & Break-Bulk-III	11.0	200	-do-	85
	Iron Ore Berth (1) (Mechanised Dry-bulk)	11.9	155 (320m. bet ween Dolphin)	50000-80000 (depend on weather conditions)	64
	Fertiliser Berth (1) (Mechanised Liquid bulk)	11.0	252	40000-60000	36
	South Quay*	11.0	215	50000-55000	78
Calcutta	Multi Purpose Berth (20)				
	1. Berth 1/KPD	9.2	133	515' length	50
	2. Berth 5/7KPD	9.2	229	- do -	56
	3. Berth 9.KPD	9.2	108	- do -	63
	4. Berth 11KPD	9.2	151	- do -	48
	5. Berth 4KPD	9.2	136	- do -	24

* 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 1993-94
(1)	(2)	(3)	(4)	(5)	(6)
Calcutta (Contd.)	6. Berth 8/KPD	9.2	128	515' length 70' Breadth	65
	7. Berth 10KPD	9.2	161	- do -	54
	8. Berth 12KPD	9.2	143	- do -	58
	9. Berth 24KPD	9.2	152	- do -	42
	10. Berth 25KPD	9.2	159	- do -	51
	11. Berth 26KPD	9.2	185	- do -	45
	12. Berth 27KPD	9.2	195	- do -	28
	13. Berth 28KPD	9.2	195	- do -	34
	14. Berth 29KPD	8.2	183	- do -	55
	15. Berth 1NSD	9.3	200	565' length 80' Breadth	41
	16. Berth 2NSD	9.3	157	- do -	66
	17. Berth 3NSD	9.3	183	- do -	65
	18. Berth 4NSD	9.3	181	- do -	56
	19. Berth 14NSD	9.3	174	- do -	65
	20. Berth 13NSD	8.1	174	- do -	67
	Container & Gen. Cargo				
	1. Berth 3KPD	9.2	128	- do -	40
	Lash Barges				
	1. Berth 6KPD	9.2	118	- do -	27
	Passenger & Gen. Cargo				
	1. Berth 22KPD	9.2	151	515' Length 70' Breadth	35
	Foodgrains				
	1. Berth 23KPD	9.2	147	- do -	59

2.1.1.2 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 acco- : mmodated (DWT)	: Percentage : occupancy : during : 1993-94
(1)	(2)	(3)	(4)	(5)	(6)
Calcutta (Contd.)	Containers				
	1. Berth 5NSD	8.4	183	565'Length 80' Breadth	42
	2. Berth 7NSD	8.1	192	- do -	63
	Oil Berth				
	1. Berth 12NSD	8.1	152	- do -	42
	Liquid Bulk				
	Berth 1 Buj Buj	Upto 9 Mtrs.	215	625' Length	61
	Berth 2 -do-	-do-	183	-do-	40
	Berth 3 -do-	-do-	85	-do-	32
	Berth 5 -do-	-do-	183	-do-	53
	Berth 7 -do-	...	...	...	23
	Berth 8 -do-	-do-	220	-do-	48
Haldia	1. Liquid Bulk	8.5	229	LOA 238 mts.	64
	2. Dry Liquid Bulk	10.0	338		70
	3. Dry Bulk	10.0	284		63
	4. Dry Liquid Bulk	10.0	243	LOA 239 mts.	35
	5. Dry/Break/Liquid Bulk	10.0	235	Beam 32.3 mts.	48
	6. -do-	10.0	235		87
	7. Dry/Break/Container	10.0	235		71
	8. -do-	10.0	443		
	9. Berth No.2 (commissioned Liquid Bulk in oct 91)	...	...	...	60

2.1.3. Storage Facilities At Major Ports

Port	Dry Storage Accomodation			Liquid Storage Tanks			
	Type	No.	Area (Sq. mtres)	No.	Location	Capa- city	Type of Cargo
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Kandla	(i) Transit Sheds	10	22311			60000 (T)	
	(ii) Ware-Houses(Double storage)	4	22311			60000	
	(iii) Other covered areas(Godowns)	8	23617			40000	
	(iv) Open area					250000	
	(v) Container Freight Station	1				5000	
Bombay	(i) Transit Sheds	269	194963	4	PAV Docks	Varies from 5.41 lakh litres to 128.31 lakh litres.	Molasses/ Caster Oil
	(ii) Ware-Houses	33	143402				
	(iii) Other covered area (container freight station)	7	21287	8.3 PT Jawahar Deep 6.8 PC		Varies from 810-10222 KL BPT, 22000- 32000 KL BPC.	POL Products & fresh water
	(iv) Open Area (At various places)		318111				
	(v) Container Storage Yard	4	5830				
						Ground slots for Containers.	

2.1.3. Storage Facilities At Major Ports (Contd.)

Port	Dry Storage Accomodation		Liquid Storage Tanks				Type of Cargo
	Type	No.	Area (Sq. mtrs)	No.	Location	Capacity	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Mormugao	i) Transit Sheds	2	10291	8	Within Harbour	18025	Molasses, Liquid Ammonia, Caustic Soda etc.
	ii) Ware-Houses	2	5336				
	iii) Other covered area						
	(a) Ware house at Vasco	3	4381				
	(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				
	iv) Open Storage						
	(a) At Berth No.6		19000				
	(b) Adjacent Berth No.6		6000				
New Mangalore	(c) At Berth No.10		16000				
	(d) At Vannu Yard		8000				
	(v) Stock Yard at Mechanical Ore handling plant		80,000				
	i) Transit Sheds	5	12144	34	Inside and outside the security wall.	140400 KL & 26000 MT	Naptha, Petro- lium products, Molasses, Palm- oil, Phosphoric Acid Ammonia etc.
	ii) Ware-Houses	8	17520				
	iii) Other covered storage	-	-				
	iv) Open area	3	24857				

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)
Cochin	i) Transit Sheds	10	30013	14	Near BTB	12140	Cashew Shell Liquid.
	ii) Ware-Houses	8	18076			Tonnes	Liquid Ammonia,
	iii) Over Flow Sheds	7	12585	1	S C B		Phosphoric Acid.
	iv) Hazardous Sheds	3	267				
	v) Container freight station	1	3402	2	Q 10		
	vi) Carbide Shed	1	61				
Tuticorin	i) Transit Sheds	2	10800	15	Circular Tank- located near Red	20000 MT 7790 KL	Liquid Ammonia, Phosphoric Acid,
Madras	ii) Ware-houses	3	15550	1	Shed Opp. Blue Gate	5000 M	Furnace oil,
	iii) Other covered area	2	733 & 739			2000 M	Naptha, Light Diesel oil, Petroleum gas.
	iv) Open Area		54000	10	Bunets Opp. Blue Gate		
	i) Transit Sheds	10	47841	16	Bharathi Dock/ South Quay	76400 Tonnes	Oils, Acids & Chemicals.
	ii) Ware-Houses	12	65686				
	iii) Container freight station	2	12600				
	iv) Covered area for FCI	6	43450				
	v) Open space	-	32500				
	vi) Container Parking Yard	-	61000				

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)
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				
Paradip	i) Transit Sheds	5	19780	2	10km. from port.	-	Ammonia & phosphoric Acid.
	ii) Ware-Houses	4	8968				
	iii) Other covered area	-	220300				
	iv) Open Area		...				
Calcutta	i) Transit Shed	27	83000	82	Near NS Dock	27000	POL (product)
	ii) Ware-Houses	59	394000		Buj Buj	M. Tonnes	Veg. oil.
	iii) Other covered area	-	376000				Other Liquid Cargo.
	iv) Open Area	-	232000				...
Haldia	i) Transit Sheds	1	100000	...	...	...	...
	ii) Ware House	-	-				
	iii) Other covered Area	1	12000				
	iv) Open Area	4	332275				

2.1.4 Performance Of Cargo Handling Equipments For The Years 1991-92, 1992-93 & 1993-94

S. No.	Name of the Port	Equipments	1991-92		1992-93		1993-94	
			% 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	77.0	30.0	75.0	22.0	78.0	35.0	
	Mobile Crane	97.0	-	100.0	-	100.0	-	
	Forklift Truck	90.0	28.0	92.0	23.0	92.0	29.0	
2. Bombay	Wharf Crane	85.0	16.0	87.0	21.0	90.0	24.0	
	Mobile Crane	70.0	17.0	82.0	22.0	86.0	23.0	
	Forklift Truck	66.0	25.0	73.0	30.0	89.0	30.0	
3. Mormugao	Wharf Crane	91.0	22.0	87.0	39.0	85.0	34.0	
	Mobile Crane	93.0	10.0	97.0	12.0	96.0	15.0	
	Forklift Truck	84.0	05.0	88.0	11.0	86.0	15.0	
4. N. Mangalore	Wharf Crane	50.0	04.0	44.0	2.0	63.0	02.0	
	Mobile Crane	85.0	02.0	73.0	2.0	68.0	-	
	Forklift Truck	70.0	05.0	78.0	3.0	78.0	04.0	
5. Cochin	Wharf Crane	79.0	08.0	77.0	7.0	80.0	06.0	
	Mobile Crane	56.0	13.0	50.0	12.0	56.0	12.0	
	Forklift Truck	54.0	14.0	60.0	13.0	64.0	24.0	

2.1.4 Performance Of Cargo Handling Equipments For The Years 1991-92, 1992-93 & 1993-94 (Contd.)

S. No.	Name of the Port	Equipments	1991-92		1992-93		1993-94	
			% Avail- ability	% Utili- sation	% Avail- ability	% Utili- sation	% Avail- ability	% Utili- sation
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
6.	Tuticorin	Wharf Crane	77.0	23.0	95.0	25.0	91.0	19.0
		Mobile Crane	83.0	15.0	52.0	12.0	68.0	12.0
		Forklift Truck	92.0	13.0	91.0	13.0	98.0	14.0
7.	Madras	Wharf Crane	83.0	37.0	84.0	35.0	89.0	31.0
		Mobile Crane	18.0	36.0	82.0	33.0	76.0	31.0
		Forklift Truck	74.0	37.0	76.0	34.0	76.0	31.0
8.	Visakhapatnam	Wharf Crane	93.0	33.0	92.0	40.0	95.0	39.0
		Mobile Crane	85.0	20.0	87.0	15.0	81.0	14.0
		Forklift Truck	77.0	13.0	70.0	33.0	73.0	23.0
9.	Paradip	Wharf Crane	82.0	33.0	84.0	23.0	89.0	06.0
		Mobile Crane	73.0	20.0	73.0	9.0	75.0	06.0
		Forklift Truck	75.0	21.0	88.0	9.0	83.0	11.0
10.	Calcutta	Wharf Crane	70.0	23.0	82.0	24.0	83.0	17.0
		Mobile Crane	64.0	30.0	54.0	26.0	55.0	24.0
		Forklift Truck	65.0	36.0	67.0	36.0	68.0	27.0

Source:- Development Wing, Ministry of Surface Transport.

Average specified norms for:-

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

2.2.2 Cargo Traffic Handled At Various Major Ports

(In Million Tonnes)

			P	O	R	T	S						
Year	Kandla	Bombay	J.L. : Mormu- Nehru :gao	N.Manga- lore	Cochin	Tutl- :corin	Madras	Visakha : :patnam	Paradip	Calcutta : :/Haldia	Total		
1	2	3	4	5	6	7	8	9	10	11	12	13	
1951-52	-	7.50	-	-	-	1.61	-	2.05	1.14	-	9.45	21.75	
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	9.68	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	17.61	29.34	-	15.39	7.09	7.02	5.13	23.86	20.37	6.03	14.22	147.06	
1989-90	18.92	27.75	0.70	14.17	7.66	7.12	5.32	23.94	21.12	6.18	14.69	147.57	
1990-91	19.69	28.90	2.02	14.91	8.02	7.28	5.08	24.52	19.42	6.88	14.95	151.67	
1991-92	21.00	26.26	2.79	15.10	8.27	7.48	5.87	25.05	21.52	7.30	16.00	156.64	
1992-93	22.91	28.31	3.01	16.31	7.09	7.98	6.22	25.33	22.76	7.60	16.34	165.86	
1993-94	24.50	29.63	3.38	18.72	8.63	7.62	6.70	26.54	25.59	8.33	16.50	178.14	

2.2.3 Cargo Traffic (Commodity-Wise) Handled At Major Ports In India
(1950 - 51 To 1993-94)

(In '000 Tonnes)

Year	POL	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)
1950-51	3458	288	120	277	2832	3313	9096	19384	...	...
1951-52	3298	211	48	464	3719	4967	9041	21748	...	...
1952-53	3137	309	11	1056	4222	3116	9026	20877	11316	9561
1953-54	3365	169	14	1334	3289	2145	9604	19920	10764	9156
1954-55	3759	248	24	868	3085	2401	9141	19526	...	...
1955-56	6543	348	60	1270	2666	2117	10110	23114	...	...
1956-57	8878	362	51	1232	3727	2027	10869	27146	...	...
1957-58	10443	422	118	1418	2813	3895	12194	31303	20439	10864
1958-59	10053	485	126	1251	2458	3851	10850	29074	19155	9919
1959-60	11496	757	149	1714	2399	3996	10991	31502	20413	11089
1960-61	12265	683	208	1333	2131	5157	11348	33125	22579	10546
1961-62	13396	760	205	1501	2616	3254	11274	33006	21571	11435
1962-63	14313	982	343	6702	3220	4163	12803	42526	24672	17854
1963-64	16719	753	626	7891	2877	4507	12533	45906	26378	19528
1964-65	17841	838	563	8485	2537	6324	13003	49591	28872	20719
1965-66	16362	1128	736	10440	1957	5966	13626	50215	28343	21872
1966-67	17159	1732	1126	11736	1417	8200	11829	53199	29740	23459
1967-68	17329	2626	1540	12592	1086	7820	12034	55027	30131	24896
1968-69	18744	2942	1314	14882	1057	6576	12038	57553	30354	27199
1969-'70	18999	1835	970	16614	1198	4113	10696	54425	26391	28034

2.2.3 Cargo Traffic (Commodity-Wise) Handled At Major Ports In India
(1950 - 51 To 1993-94)

(In '000 Tonnes)

Year	POL	Ferti- liser	Fertili- ser Raw Material	Iron Ore	Coal	Food- grains	Others	Total	Of which Unloaded Loaded
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10) (11)
1970-71	18893	1227	1040	19203	675	3193	11348	55579	25557 30022
1971-72	21273	1856	1336	19354	840	2556	11979	59194	29963 29231
1972-73	21168	2166	1407	19996	880	1182	11466	58265	28935 29330
1973-74	23193	2052	1442	21751	898	3816	10512	63664	32077 31587
1974-75	23375	2645	1705	20702	1339	5158	11777	66701	34982 31719
1975-76	21174	1751	1116	21132	1434	6858	12538	66003	33332 32671
1976-77	22913	1647	1398	21798	1446	4880	14589	68671	32757 35914
1977-78	24994	2387	1869	20931	1564	926	13433	66104	32477 33627
1978-79	27400	3535	2117	20116	1381	928	15496	70973	38198 32775
1979-80	26659	3722	2362	22853	2054	1109	18827	77586	42130 35456
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	147575	80856 66719
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	72564	3595	6318	29827	24488	2795	26274	165861	97922 67939
1993-94	73622	4183	5291	34096	26806	1964	32179	178141	100246 77895

* Included in Fertilizers.

2.2.4 Cargo Traffic (Commodity-Wise) Handled At Kandla Port
(1954 - 55 To 1993-94)

(In '000 Tonnes)

Year	POL	Ferti- liser	Fertili- ser Raw Material	Food- grains	Others	Total	Of which	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1954-55	3	-	-	-	-	3	...	...
1955-56	150	-	-	-	-	150	...	...
1956-57	249	-	-	-	-	249	...	...
1957-58	464	-	-	98	296	858	619	239
1958-59	599	2	-	201	285	1087	897	190
1959-60	563	37	-	191	349	1141	840	301
1960-61	708	52	41	413	359	1573	1231	342
1961-62	754	32	8	327	266	1387	1114	273
1962-63 *	913	98	33	342	356	1742	1409	333
1963-64	951	49	18	450	311	1779	1491	288
1964-65	944	44	46	985	293	2312	2054	258
1965-66	927	108	24	1245	201	2505	2336	169
1966-67	856	257	34	1242	272	2661	2424	237
1967-68	631	240	119	1182	293	2465	2260	205
1968-69	692	310	125	564	344	2035	1709	326
1969-70	942	297	59	526	286	2110	1804	306
1970-71	878	145	58	326	205	1612	1474	138
1971-72	1224	349	111	39	309	2032	1798	234

2.2.4 Cargo Traffic (Commodity-Wise) Handled At Kandla Port
(1954 - 55 To 1993-94)
(In '000 Tonnes)

Year	POL	Ferti- liser	Fertili- ser Raw Material	Food- grains	Others	Total	Of which	
							Unloaded	Loaded
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1972-73	1365	498	124	43	397	2427	2085	342
1973-74	1586	396	150	711	279	3122	2903	219
1974-75	1719	559	189	697	379	3543	3239	304
1975-76	1422	341	64	939	437	3203	2924	279
1976-77	1541	513	166	602	492	3314	3130	184
1977-78	2135	320	397	-	918	3770	3483	287
1978-79	3629	481	314	-	1446	5870	5404	466
1979-80	3043	431	297	-	3521	7292	6835	457
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	865	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

2.2.5 Cargo Traffic (Commodity-wise) Handled At Bombay Port
(1950 - 51 To 1993-94)

(In '000 Tonnes)

Year	POL	Ferti- liser	Fertili- ser Raw Material	Food- grains	Coal	Others	Total	Of which	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1950-51	1861	122	...	1823	163	3467	7436	...	...
1951-52	2003	83	...	2191	126	3094	7497	...	...
1952-53	1803	71	...	1176	132	3296	6478	4711	1767
1953-54	1969	52	...	880	222	3818	6941	4958	1983
1954-55	2268	100	...	1516	145	3060	7089	5340	1749
1955-56	4654	73	30	1793	85	3045	9680	6437	3243
1956-57	6694	70	41	856	65	4713	12439	8579	3860
1957-58	6459	130	58	2026	78	4714	13465	9711	3754
1958-59	5721	224	63	1566	29	4394	11997	8638	3359
1959-60	6823	310	72	1754	20	4574	13553	9927	3626
1960-61	7311	208	67	2113	20	4630	14349	10720	3629
1961-62	7794	219	83	1221	161	4433	13911	10030	3881
1962-63	8262	220	141	1826	212	5305	15966	11407	4559
1963-64	10201	222	192	1622	115	5002	17354	12272	5082
1964-65	11119	235	182	2340	-	5003	18879	13355	5524
1965-66	9937	284	236	1568	-	5885	17910	12864	5046
1966-67	9919	250	329	2103	-	4406	17007	11960	5047
1967-68	8709	984	500	2475	-	4255	16923	12587	4336
1968-69	9731	1360	281	3265	-	4385	19022	14772	4250
1969-70	8668	823	282	1407	-	3992	15172	11696	3476

2.2.5 Cargo Traffic (Commodity-Wise) Handled At Bombay Port
(1950 - 51 To 1993-94)
(In '000 Tonnes)

Year	POL	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)
1970-71	8445	220	288	948	-	4469	14370	10973 3397
1971-72	9769	657	378	515	-	4819	16138	12566 3572
1972-73	9662	692	428	478	-	4665	15925	12660 3265
1973-74	11127	717	377	1569	-	4418	18208	14094 4114
1974-75	10281	633	447	2025	-	4469	17855	13974 3881
1975-76	8716	202	232	2230	-	5270	16650	12654 3996
1976-77	8817	8	353	1469	-	6676	17323	12086 5237
1977-78	8961	415	404	237	-	6030	16047	11906 4141
1978-79	8599	623	503	285	-	6485	16495	12088 4407
1979-80	7324	669	756	272	-	6957	15978	11337 4641
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	-	6596	28310	14715 13595
1993-94	20820	57	845	763	-	7143	29628	16861 12767

2.2.5 (a) Cargo Traffic (Commodity-Wise) Handled At J.L.Nehru Port
(1989 - 90 To 1993-94)
(In '000 Tonnes)

Year	Fertiliser	Fertiliser Raw Material	Food-grains	Others	Total	Of which	
						Unloaded	Loaded
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1989-90	102	132	-	406	697	507	190
1990-91	516	850	-	656	2022	1654	377
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

2.2.6 Cargo Traffic (Commodity-Wise) Handled At Mormugao Port
(1950 - 51 To 1993-94)

Year	POL	Ferti- liser	Ferti- 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)
1950-51	54	-	-	259	27	187	102	629	...	...
1951-52	67	-	-	515	56	107	99	844	...	...
1952-53	61	-	-	852	23	148	75	1159	...	...
1953-54	58	-	-	1402	19	150	92	1721	...	...
1954-55	22	-	-	1187	23	47	64	1343	...	...
1955-56	11	-	-	1561	37	10	83	1702	...	...
1956-57	14	-	-	1913	35	11	236	2209	...	...
1957-58	14	-	-	2877	45	16	272	3224	...	...
1958-59	30	5	-	1864	33	11	174	2117	...	...
1959-60	33	3	-	4431	39	13	234	4753	...	...
1960-61	39	4	-	6035	54	10	259	6401	184	6217
1961-62	47	3	-	6211	36	7	193	6497	162	6335
1962-63	54	3	-	5258	11	-	133	5459	111	5348
1963-64	63	8	-	5690	9	-	186	5956	115	5841
1964-65	82	65	-	6156	24	-	293	6620	217	6403
1965-66	87	65	-	7172	39	-	504	7867	239	7628
1966-67	130	139	-	7268	80	-	469	8086	397	7689
1967-68	130	205	-	7246	42	-	509	8132	418	7714
1968-69	163	159	-	7823	36	-	597	8778	369	8409
1969-70	145	51	-	8081	27	7	718	9029	241	8788

2.2.6 Cargo Traffic (Commodity-Wise) Handled At Mormugao Port
(1950 - 51 To 1993-94)

('000 Tonnes)

Year	POL	Ferti- liser	Fertili- ser Raw Material	Iron Ore	Food- grains	Coal	Others	Total	Of which	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	Unloaded	Loaded
1970-71	234	97	-	9555	19	-	1100	11005	353	10652
1971-72	316	72	-	10553	32	-	727	11700	435	11265
1972-73	379	52	-	11697	50	-	668	12846	486	12360
1973-74	548	28	-	13078	51	-	630	14335	629	13706
1974-75	589	59	-	12564	37	-	869	14132	723	13409
1975-76	547	43	14	11480	69	-	613	12768	675	12093
1976-77	571	-	45	12178	-	-	661	13455	618	12837
1977-78	618	19	82	10210	-	-	273	11202	722	10480
1978-79	637	90	50	9362	-	-	659	10798	867	9931
1980-80	728	143	63	12816	-	-	755	14505	1055	13450
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	290	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	-	294	14168	1483	12685
1990-91	1369	166	148	12986	-	-	208	14911	1721	13190
1991-92	1865	127	251	12517	-	-	308	15099	2396	12703
1992-93	1784	244	204	13601	4	-	370	16314	2394	13920
1993-94	2098	141	135	15748	11	-	475	18717	2535	16182

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

2.2.7 Cargo Traffic (Commodity-Wise) Handled At New Mangalore Port
(1974 - 75 To 1993 - 94)
('000 Tonnes)

Year	POL	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)
1974-75	-	24	-	-	51	17	92	27	65
1975-76	63	38	-	100	52	86	339	206	133
1976-77	166	6	-	126	57	74	429	302	127
1977-78	197	42	-	-	13	125	377	262	115
1978-79	338	167	-	-	20	349	874	671	203
1979-80	352	208	-	14	-	327	901	674	227
1980-81	310	207	-	4	3	439	963	639	324
1981-82	364	180	-	152	547	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

2.2.8 Cargo Traffic (Commodity-Wise) Handled at Cochin Port
(1950-51 To 1993-94)

('000 Tonnes)

Year	POL	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)
1950-51	284	15	...	325	117	628	1369	...	...
1951-52	347	20	...	343	84	812	1606	...	...
1952-53	334	21	...	392	166	663	1576	1244	332
1953-54	411	27	...	338	141	666	1583	1254	329
1954-55	411	25	...	194	201	746	1577	1218	359
1955-56	482	57	...	47	260	789	1635	1241	394
1956-57	499	65	...	180	239	772	1755	1329	426
1957-58	563	70	...	112	289	794	1828	1426	402
1958-59	570	109	...	12	273	844	1808	1355	453
1959-60	594	129	...	142	308	804	1977	1549	428
1960-61	670	156	...	76	345	763	2010	1622	388
1961-62	768	158	...	184	327	848	2285	1877	408
1962-63	817	213	...	100	359	873	2362	1959	403
1963-64	923	212	...	56	364	900	2455	2034	421
1964-65	992	179	...	166	288	1087	2712	2260	452
1965-66	1045	214	...	287	192	1134	2872	2413	459
1966-67	1749	382	...	386	104	1049	3670	3072	598
1967-68	3777	342	...	169	36	1101	5425	3732	1693
1968-69	3673	198	...	243	64	1011	5189	3782	1407
1969-70	3564	177	...	186	65	803	4795	3369	1426

2.2.8 Cargo Traffic (Commodity-Wise) Handled At Cochin Port
(1950-51 To 1993-94)

('000 Tonnes)

Year	POL	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)
1970-71	3568	258	...	104	-	882	4812	3447 1365
1971-72	3391	233	...	68	54	948	4694	3516 1178
1972-73	2963	179	...	70	67	923	4202	3115 1087
1973-74	2501	212	...	4	30	974	3721	2876 845
1974-75	3540	288	...	9	66	906	4809	3586 1223
1975-76	2873	279	...	27	106	973	4258	3321 937
1976-77	3451	346	...	6	179	773	4755	3570 1185
1977-78	3808	498	...	26	139	703	5174	3925 1249
1978-79	3939	665	...	47	111	708	5470	4229 1241
1979-80	3867	681	...	22	-	889	5459	4353 1106
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

* Separate data available since 1986-87.

2.2.9 Cargo Traffic (Commodity-Wise) Handled At Tuticorin Port
(1974 - 75 to 1993 - 94)

('000 Tonnes)

Year	POL	Ferti- liser	Fertili- ser's Raw Material	Food- grains	Coal	Others	Total	Of which	
								Unloaded	Loaded
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1974-75	74	170	-	176	222	393	1035	648	387
1975-76	204	139	16	292	255	459	1365	921	444
1976-77	307	8	17	172	215	831	1550	720	830
1977-78	350	159	102	44	312	521	1488	980	508
1978-79	317	296	135	106	319	530	1703	1071	632
1979-80	440	491	221	229	434	595	2410	1712	698
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

2.2.10 Cargo Traffic (Commodity- Wise) Handled At Madras Port
(1950 - 51 To 1993-94)

('000 Tonnes)

Year	POL	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)
1950-51	508	151	1	488	-	410	647	2205	...	...
1951-52	...	89	...	489	24	274	1178	2054	1775	279
1952-53	...	184	...	340	41	455	1137	2157	1836	321
1953-54	...	72	...	180	156	462	1204	2074	1595	479
1954-55	...	81	...	111	156	418	1339	2105	1636	469
1955-56	...	158	...	42	220	437	1487	2344	1740	604
1956-57	...	145	...	150	314	373	1522	2504	1896	608
1957-58	539	166	...	333	319	358	829	2544	1915	629
1958-59	561	111	12	359	381	319	736	2479	1765	714
1959-60	567	186	13	322	488	339	848	2763	1841	922
1960-61	601	210	25	444	484	363	912	3039	2128	911
1961-62	681	279	21	324	738	424	1001	3468	2269	1199
1962-63	776	335	29	415	751	531	948	3785	2588	1197
1963-64	818	154	184	470	1060	458	1022	4166	2589	1577
1964-65	875	190	177	751	999	488	918	4398	2993	1405
1965-66	929	320	177	950	1157	395	944	4872	3299	1573
1966-67	890	480	278	1587	1582	192	847	5856	3868	1988
1967-68	814	521	247	1696	1688	146	751	5863	3793	2070
1968-69	830	598	184	995	1993	84	694	5378	3022	2356
1969-70	2242	219	115	950	2076	156	682	6440	3536	2904

2.2.10 Cargo Traffic (Commodity- Wise) Handled At Madras Port
(1950 - 51 To 1993-94)

('000 Tonnes)

Year	POL	Ferti- liser	Fertili- ser's Raw Material	Food- grains	Iron Ore	Coal	Others	Total	Of which	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	Unloaded	Loaded
1970-71	2697	300	165	721	2149	15	878	6925	3737	3188
1971-72	2787	251	224	567	2066	Neg	897	6792	4105	2687
1972-73	2999	400	198	245	2112	18	844	6816	4069	2747
1973-74	3473	311	184	561	2272	143	806	7750	4688	3062
1974-75	3227	500	218	551	2205	154	1061	7916	4761	3155
1975-76	3023	298	95	1317	2011	145	994	7883	5087	2796
1976-77	3045	420	84	990	2208	20	1068	7835	4765	3070
1977-78	3319	396	190	315	2322	31	1495	8068	4554	3514
1978-79	3624	545	195	325	2952	53	1879	9573	5277	4296
1979-80	3723	543	219	322	2865	51	2262	9985	5705	4280
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	23940	14097	9843
1990-91	8162	501	343	65	5549	4353	5545	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

2.2.11 Cargo Traffic (Commodity-Wise) Handled At Visakhapatnam Port
(1950 - 51 To 1993 - 94)

('000 Tonnes)

Year	POL	Ferti- liser	Fertili- ser's Raw Material	Food- grains	Iron Ore	Coal	Others	Total	Of which	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	Unloaded	Loaded
1950-51	24	-	-	47	-	5	766	842	...	...
1951-52	22	-	-	256	-	68	797	1143	293	850
1952-53	15	3	-	124	55	35	874	1106	155	951
1953-54	92	-	-	185	95	28	919	1319	189	1130
1954-55	90	11	-	138	147	19	576	981	243	738
1955-56	103	26	-	26	168	17	954	1294	232	1062
1956-57	187	46	-	108	132	26	965	1464	502	962
1957-58	1122	27	-	197	96	12	1022	2476	1164	1312
1958-59	1387	-	-	400	84	17	597	2485	1354	1131
1959-60	1485	41	-	258	110	27	472	2393	1224	1169
1960-61	1566	5	1	311	118	18	744	2763	1386	1377
1961-62	1702	29	11	205	131	-	678	2756	1396	1360
1962-63	1870	41	29	386	143	-	652	3121	1718	1403
1963-64	1865	54	42	347	351	8	729	3396	1849	1547
1964-65	1993	48	40	362	419	-	880	3742	1910	1832
1965-66	2006	75	67	354	1087	-	871	4460	1908	2552
1966-67	2289	174	98	380	1975	-	962	5878	2227	3651
1967-68	2061	242	194	415	2481	-	1052	6445	2414	4031
1968-69	2424	259	259	380	3397	-	1331	8050	2691	5359
1969-70	1946	241	305	229	4400	-	1191	8312	2329	5983

2.2.11 Cargo Traffic (Commodity-Wise) Handled At Visakhapatnam Port
(1950 - 51 To 1993 - 94)

('000 Tonnes)

Year	POL	Ferti- liser	Fertili- ser's Raw Material	Food- grains	Iron Ore	Coal	Others	Total	Of which	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	Unloaded	Loaded
1970-71	1666	204	418	223	4935	-	1287	8733	2325	6408
1971-72	1924	263	468	256	4701	-	1026	8638	2792	5846
1972-73	1761	269	355	139	4071	-	814	7409	2372	5037
1973-74	1937	345	383	400	4189	-	701	7955	2996	4959
1974-75	1668	334	425	482	3585	-	655	7149	2877	4272
1975-76	1438	362	342	742	4764	-	900	8548	2876	5672
1976-77	1949	256	380	369	5033	-	711	8698	2537	6161
1977-78	2196	400	405	106	6057	-	528	9692	2592	7100
1978-79	2400	477	356	106	5960	62	686	10047	3144	6903
1979-80	2600	400	482	219	5433	621	474	10229	4067	6162
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

2.2.12 Cargo Traffic (Commodity-Wise) Handled At Paradip Port
(1966 - 67 To 1993 - 94)

('000 Tonnes)

Year	Fertiliser	Fertiliser's Raw Material	Food-grains	Iron Ore	Coal	Others	Total	Of which Unloaded	Loaded
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1966-67	-	-	-	-	-	67	67	-	67
1967-68	-	-	-	494	-	402	896	42	854
1968-69	-	-	8	1212	-	18	1238	-	1238
1969-70	-	-	-	1677	-	71	1748	-	1748
1970-71	-	-	-	2134	-	23	2157	1	2156
1971-72	-	-	-	1798	-	108	1906	1906	-
1972-73	-	-	-	1874	-	149	2023	2023	-
1973-74	-	-	-	2030	-	258	2288	2288	-
1974-75	-	-	61	2190	-	417	2668	2546	122
1975-76	-	-	48	2707	10	561	3326	189	3137
1976-77	10	-	120	2322	224	641	3317	168	3149
1977-78	29	-	89	2196	46	380	2740	89	2651
1978-79	69	-	-	1726	-	369	2164	181	1983
1979-80	40	-	31	1651	215	369	2306	391	1915
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

2.2.13 Cargo Traffic (Commodity-Wise) Handled At Calcutta/Haldia Port
(1950 - 51 To 1993 -94)

('000 Tonnes)

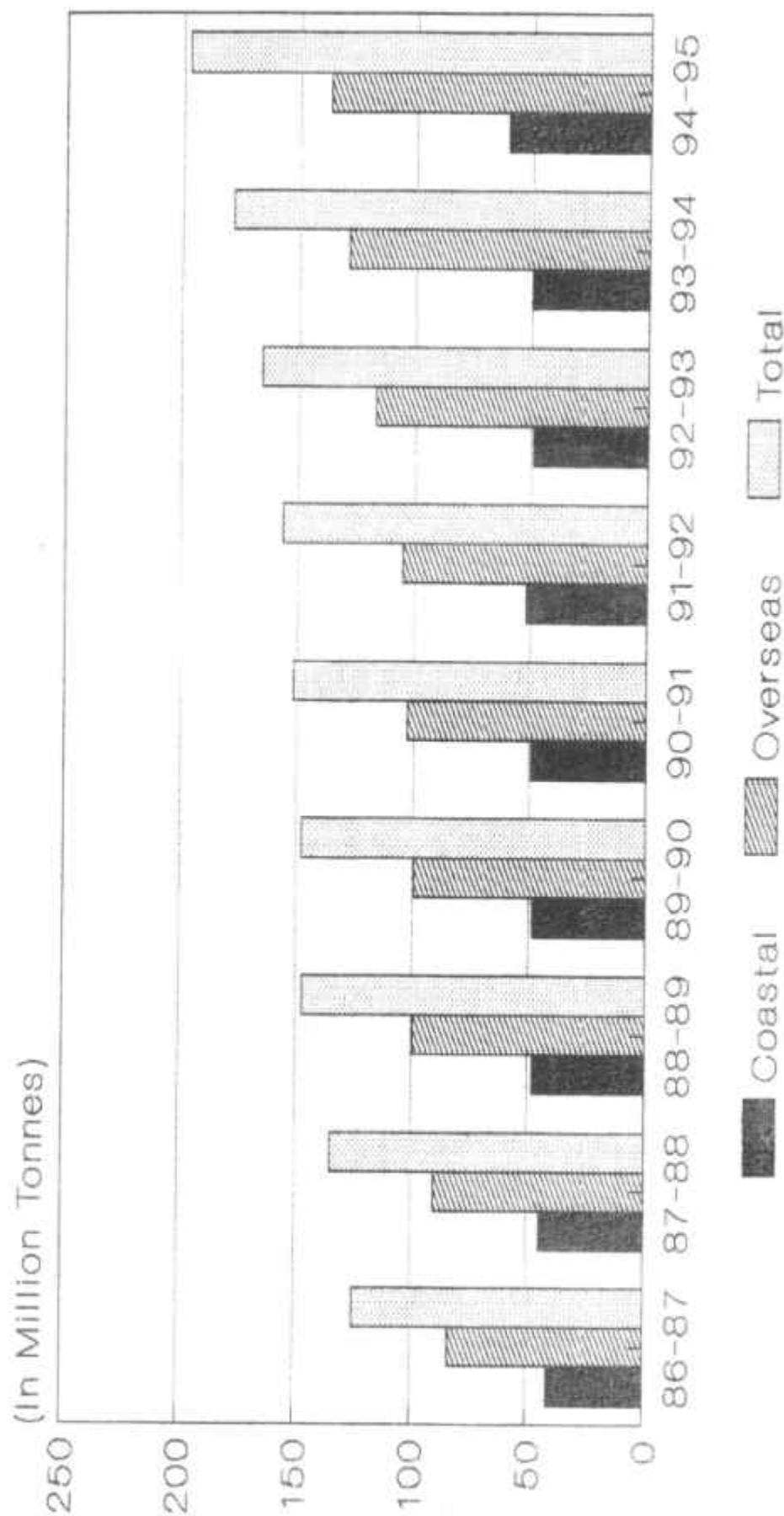
Year	POL	Ferti- liser	Fertili- ser's Raw Material	Food- grains	Iron Ore	Coal	others	Total	Of which	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	Unloaded	Loaded
1950-51	781	-	119	630	277	2137	3588	7532	..*	..*
1951-52	926	19	48	1688	440	3167	3160	9448	4156	5292
1952-53	985	30	11	1084	960	3434	3056	9560	3370	6190
1953-54	893	18	14	562	1083	2436	2997	8003	2768	5235
1954-55	987	31	24	442	565	2302	3420	7771	3292	4479
1955-56	1154	34	30	209	882	1867	3835	8011	3463	4548
1956-57	1249	36	10	733	786	2024	3897	8735	4425	4310
1957-58	1296	29	60	1129	1003	2076	4539	10132	5604	4528
1958-59	1215	39	51	1313	786	1820	3994	9218	5146	4072
1959-60	1464	54	64	1329	1116	1705	3943	9675	5032	4643
1960-61	1409	51	74	1800	731	1385	3941	9391	5492	3899
1961-62	1687	42	82	993	632	1704	4059	9199	4885	4314
1962-63	1921	72	111	1083	550	2118	4236	10091	5480	4611
1963-64	1898	54	190	1553	790	1932	4383	10800	6028	4772
1964-65	1836	77	118	1696	911	1761	4529	10928	6083	4845
1965-66	1431	62	232	1523	1024	1370	4087	9729	5284	4445
1966-67	1326	50	387	2422	911	1121	3757	9974	5792	4182
1967-68	1207	92	480	1841	683	904	3671	8878	4885	3993
1968-69	1231	58	465	1085	457	909	3658	7863	4000	3863
1969-70	1492	27	209	788	380	970	2953	6819	3399	3420

2.2.13 Cargo Traffic (Commodity-Wise) Handled At Calcutta/Haldia Port
(1950 - 51 To 1993 - 94)

('000 Tonnes)

Year	POL	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	1405	3	111	852	430	660	2504	5965	3247 2718
1971-72	1862	31	155	1084	236	786	3140	7294	4750 2544
1972-73	2039	76	302	157	242	795	3006	6617	4148 2469
1973-74	1971	43	348	520	182	725	2496	6285	3890 2395
1974-75	2277	78	412	1120	107	897	2611	7502	5085 2417
1975-76	2888	49	351	1094	118	918	2245	7663	4479 3184
1976-77	3066	80	353	1026	-	808	2662	7995	4861 3134
1977-78	3410	109	289	109	133	1036	2460	7546	3964 3582
1978-79	3917	122	564	51	96	336	2893	7979	5266 2713
1979-80	4582	116	324	-	88	733	2678	8521	6001 2520
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

Coastal/Overseas Traffic Handled at Major Ports



2.2.14 Cargo Traffic (Overseas/Coastal) At Various Major Ports
(1960 - 61 To 1993 - 94)

('000 Tonnes)

Year	P O R T S												
	Kandla	Bombay	J. L. Nehru	Mormu	N. Mangalagiri	Cochin	Tuticorin	Madras	Vishakhapatnam	Paradip	Calcutta	Total	
	1	2	3	4	5	6	7	8	9	10	11	12	13
OVERSEAS													
1960-61	1173	11055	-	-	947	-	2221	2152	-	6502	24060		
1965-66	1936	13537	-	7703	-	1627	-	3696	3770	-	6761	39032	
1970-71	907	11554	-	10738	-	3743	-	6318	8346	2156	4315	48077	
1975-76	2359	14221	-	12309	276	3247	786	7411	8414	3315	5829	58167	
1980-81	7359	12632	-	13542	651	3807	1178	9606	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	10825	4194	8018	83365	
1987-88	10314	16349	-	12718	5669	3554	964	16930	10086	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	4692	9698	90369	
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	4926	11248	104797	
1992-93	18487	17743	3007	15251	6465	3194	2544	15841	17597	4220	12383	116732	
1993-94	21182	21167	3387	17567	7782	3047	2351	16997	18555	4641	11937	128623	
COASTAL													
1960-61	400	3284	-	-	1063	-	818	601	-	2669	9085		
1965-66	567	4373	-	164	-	1245	-	1176	690	-	2968	11183	
1970-71	705	2816	-	267	-	1069	-	607	387	1	1650	7502	
1975-76	644	2429	-	459	63	1011	580	412	134	11	1834	7837	
1980-81	1402	4346	-	222	312	1426	1382	767	667	1	2152	12672	
1985-86	7111	10140	-	458	461	2976	2713	4600	4860	282	3464	37065	
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	8051	12536	-	699	738	4757	3106	9000	5601	1944	4581	49013	
1991-92	8318	11940	-	924	1144	4461	3643	9607	6688	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	

('000 Tonnes)

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2.2.15 Cargo Traffic (Unloaded/Loaded) At Various Major Ports
(1960 - 61 to 1993 - 94)

Year	Kandla	Bombay	U.L.	Mormu-	N.Manga-	Cochin	Tutl-	Madras	Visakh-	Paradi-	Calcutta	Total	
			Memru	gao	lore		corin		patnam		/Haldia		
	1	2	3	4	5	6	7	8	9	10	11	12	13
UNLOADED													
1960-61	1231	10720	-	-	-	1622	-	2128	1366	-	5492	22379	
1965-66	2336	12664	-	239	-	2413	-	3299	1908	-	5284	26343	
1970-71	1474	10973	-	353	-	3447	-	3717	2325	1	3247	25557	
1975-76	2924	12654	-	675	206	3321	922	5087	2676	189	4479	33323	
1980-81	6190	13209	-	643	639	4112	2117	6412	3998	307	6986	46616	
1985-86	15175	11947	-	1821	996	4557	4016	11107	8941	857	8657	67974	
1986-87	14854	11639	-	1293	1197	5600	3866	10801	7195	2001	6192	56940	
1987-88	16281	13570	-	1381	1305	5585	3973	12596	7561	2252	8836	73342	
1988-89	16439	13567	-	1783	1567	2541	4852	13749	10340	2777	5695	77310	
1989-90	16755	13141	507	1481	1294	6053	4600	14097	10410	2460	8756	80856	
1990-91	17271	13719	1645	1721	1363	6291	4541	15000	10322	2839	10416	85088	
1991-92	18148	11506	2061	2394	1298	6433	5099	15064	10431	2680	11293	86569	
1992-93	20503	14715	2105	2384	1530	6864	5408	16266	12774	2428	12915	97922	
1993-94	20953	16961	2068	2535	1245	6391	5606	16978	12930	2681	12217	100246	
LOADED													
1960-61	342	3629	-	-	-	388	-	911	1377	-	3899	10546	
1965-66	169	5046	-	7628	-	459	-	1573	2552	-	4445	21872	
1970-71	138	3397	-	10652	-	1365	-	3108	6406	2166	2718	30022	
1975-76	279	3996	-	12093	133	937	444	2786	5672	3137	3184	32671	
1980-81	571	3769	-	12921	324	1121	443	3063	6124	1934	2284	34534	
1985-86	1311	12363	-	14484	2690	720	205	7041	6970	2374	3471	51639	
1986-87	1340	13235	-	13626	4234	1283	162	8974	7840	2852	3880	57426	
1987-88	1602	15998	-	11951	4803	1217	288	10321	7810	2935	4235	61260	
1988-89	1368	15775	-	13806	5517	1263	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	13100	6659	1024	534	9518	9099	4046	4537	66577	
1991-92	2654	14755	733	12703	6976	1048	769	9982	11081	4417	4747	70025	
1992-93	2407	13595	902	13920	5558	1114	807	8045	9951	5178	5422	67938	
1993-94	3547	12767	1299	16182	7385	1269	1094	9692	12665	5746	6279	77895	

('000 Tonnes)

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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)
KANDLA									
1965-66	1843	95	1938	493	74	567	2336	169	2505
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
BOMBAY									
1965-66	11398	2139	13537	1466	2907	4373	12864	5046	17910
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	11506	14755	26261
1992-93	14599	3144	17743	116	10451	10567	14715	13595	28310
1993-94	16656	4511	21167	205	8256	8461	16861	12767	29628
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

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)
MORMUGAO									
1965-66	83	7620	7703	156	8	164	239	7628	7867
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
NEW MANGALORE									
1965-66	-	-	-	-	-	-	-	-	-
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

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	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
COCHIN									
1965-66	1363	264	1627	1050	195	1245	2413	459	2872
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	2566	454	3020	3867	594	4461	6433	1048	7481
1992-93	2601	593	3194	4263	521	4784	6864	1114	7978
1993-94	2322	725	3047	4029	544	4573	6351	1269	7620
TUTICORIN									
1965-66	-	-	-	-	-	-	-	-	-
1970-71	-	-	-	-	-	-	-	-	-
1975-76	498	288	786	424	156	580	922	444	1366
1980-81	1038	140	1178	1079	303	1382	2117	443	2560
1985-86	1348	160	1508	2668	45	2713	4016	205	4221
1988-89	1507	235	1742	3345	38	3383	4852	273	5125
1989-90	1523	412	1935	3377	12	3389	4900	424	5324
1990-91	1448	521	1969	3093	13	3106	4541	534	5075
1991-92	1474	751	2225	3625	18	3643	5099	769	5868
1992-93	1742	802	2544	3666	5	3671	5408	807	6215
1993-94	1258	1093	2351	4348	1	4349	5606	1094	6700

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				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
MADRAS									
1965-66	2173	1523	3696	1126	50	1176	3299	1573	4872
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
VISAKHAPATNAM									
1965-66	1887	1883	3770	21	669	690	1908	2552	4460
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

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										
(1)		(2)		(3)		(4)		(5)		(6)		(7)		(8)		(9)		(10)

PARADIP																		
1965-66		-		-		-		-		-		-		-		-		-
1970-71		-		2156		2156		1		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

CALCUTTA/HALDIA																		
1965-66		3660		3101		6761		1624		1344		2968		5284		4445		9729
1970-71		1872		2443		4315		1375		275		1650		3247		2718		5965
1975-76		3810		2019		5829		669		1165		1834		4479		3184		7663
1980-81		5983		1137		7120		1005		1147		2152		6988		2284		9272
1985-86		7841		823		8664		816		2648		3464		8657		3471		12128
1988-89		8545		825		9370		1150		3703		4853		9695		4528		14223
1989-90		8701		997		9698		1055		3936		4991		9756		4933		14689
1990-91		9366		1006		10372		1050		3531		4581		10416		4537		14953
1991-92		10125		1123		11248		1128		3624		4752		11253		4747		16000
1992-93		11017		1366		12383		1898		4056		5954		12915		5422		18337
1993-94		10261		1676		11937		1956		4603		6559		12217		6279		18496

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	:Unloaded:Loaded	: Total		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
ALL PORTS										
1965-66	22407	16625	39032	5936	5247	11183	28343	21872	50215	
1970-71	21495	26582	48077	4062	3440	7502	25557	30022	55579	
1975-76	29124	29043	58167	4209	3628	7837	33333	32671	66004	
1980-81	39090	28503	67593	7726	4951	12677	46816	33454	80270	
1985-86	45818	36730	82548	22156	14909	37065	67974	51639	119613	
1988-89	55401	43790	99191	25909	21961	47870	81310	65751	147061	
1989-90	54134	45255	99389	26722	21464	48186	80856	66719	147575	
1990-91	59023	43629	102652	26065	22948	49013	85088	66577	151665	
1991-92	59909	44888	104797	26660	25187	51847	86569	70075	156644	
1992-93	73569	43163	116732	24353	24776	49129	97922	67939	165861	
1993-94	75440	53183	128623	24806	24712	49518	100246	77895	178141	

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

PORT/ YEAR	1991-92	1992-93	1993-94						
	: Unloaded:Loaded	: Total	: Unloaded:Loaded	: Total	: Unloaded:Loaded	: Total	: Unloaded:Loaded	: Total	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
KANDLA	12047	2636	14683	16235	2252	18487	17736	3446	21182
POL- Crude	6729	-	6729	9232	-	9232	10099	-	10099
POL- Products	2868	660	3528	3525	895	4420	4033	813	4846
Fertilizer	365	-	365	448	-	448	824	-	824
Fertilizer 'Raw									
Material (Dry)	261	-	261	334	-	334	371	-	371
Fertilizer 'Raw									
Material (liquid)	675	-	675	611	-	611	672	-	672
Foodgrains	-	938	938	199	399	598	94	535	629
Iron & Steel	24	2	26	59	2	61	245	6	251
Iron Scrap	196	-	196	840	-	840	115	-	115
Sugar	-	12	12	-	23	23	-	74	74
Veg. Oil &									
Animal fats	52	64	116	50	51	101	48	117	165
Salt	-	127	127	-	62	62	-	286	286
Other Commodities	877	833	1710	937	820	1757	1235	1615	2850

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

PORT/ YEAR	1991-92	1992-93	1993-94							
	: Unloaded:Loaded	: Total	: Unloaded:Loaded	: Total	: Unloaded:Loaded	: Total	: Unloaded:Loaded	: Total		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
JAWAHARLAL NEHRU	2061	733	2794	2105	902	3007	2088	1299	3387	
Fertiliser	623	-	623	588	-	588	855	-	855	
Fert. Raw	820	-	820	106	-	106	23	-	23	
Material (Dry)	-	-	-	-	-	-	-	-	-	
Fert. Raw	-	-	-	8	-	8	-	-	-	
Material (Liquid)	-	-	-	577	-	577	275	-	275	
Foodgrains	618	733	1351	826	902	1728	935	1299	2234	
Other Commodities	1660	12515	14175	1720	13531	15251	1910	15657	17567	
MORMUGAO										
POL-Product	1250	-	1250	1142	-	1142	1481	-	1481	
Fertilizer	127	-	127	244	-	244	141	-	141	
Fertilizer Raw	-	-	-	-	-	-	-	-	-	
Material (Dry)	-	-	-	-	-	-	-	-	-	
Fertilizer Raw	251	-	251	204	-	204	135	-	135	
Material (Liquid)	-	-	-	4	-	4	11	-	11	
Foodgrains	31	-	31	107	-	107	107	-	109	
Coal	-	-	-	-	-	-	-	-	-	
Iron Ore	-	12208	12208	-	13195	13195	-	15226	15226	
Other Ore	-	120	120	-	131	131	-	219	219	
Other Commodities	1	187	188	19	205	224	35	210	245	

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

PORT/ YEAR	1991-92	1992-93	1993-94							
	: ;									
	:Unloaded:Loaded : Total			:Unloaded:Loaded : Total			: Total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
NEW MANGALORE	660	6470	7130	935	5530	6465	637	7155	7792	
POL-Products	57	-	57	68	-	68	64	-	64	
Fertilizer	141	-	141	241	-	241	106	-	106	
Fertilier Raw	-	-	-	-	-	-	-	-	-	
Material (Dry)	-	-	-	-	-	-	55	-	55	
Fertilier Raw	175	-	175	115	-	115	75	-	75	
Material(Liquid)	-	-	-	258	-	258	19	-	19	
Foodgrains	67	-	67	28	-	28	23	-	23	
Iron scrap	-	-	-	-	-	-	-	-	-	
Coal	-	-	-	-	-	-	-	-	-	
Iron Ore &	-	5993	5993	-	5061	5061	-	6830	6830	
Pellets	-	17	17	-	16	16	-	-	-	
Other Ore	-	50	50	-	23	23	-	9	9	
Coffee	220	410	630	225	430	655	295	316	611	
Other Commodities										

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

PORT/ YEAR	1991-92	1992-93	1993-94							
	: Unloaded:Loaded	: Total	: Unloaded:Loaded	: Total	: Unloaded:Loaded	: Total	: Unloaded:Loaded	: Total		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
COCHIN	2566	454	3020	2601	593	3194	2322	725	3047	
POL- Crude	1337	-	1337	1226	-	1226	1160	-	1160	
POL- Products	18	93	111	66	213	279	115	267	382	
Fertilizer	148	-	148	136	-	136	39	-	39	
Fertilizer 'Raw- Material (Dry)	464	-	464	415	-	415	381	-	381	
Fertilizer 'Raw- Material (Liq.)	357	-	357	385	-	385	323	-	323	
Foodgrains	16	3	19	87	3	90	-	-	-	
Iron & Steel	1	2	3	2	5	7	-	-	-	
Veg. Oil & animal fats	1	-	1	2	-	2	5	-	5	
Tea	-	18	18	-	32	32	-	31	31	
Coffee	-	6	6	-	46	46	-	60	60	
Cashewnuts/Cashew Kernels	1	37	38	11	31	42	31	34	65	
Other Commodities	223	295	518	271	263	534	268	333	601	

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

PORT/ YEAR	1991-92			1992-93			1993-94			
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
	: Unloaded:Loaded			: Total :Unloaded:Loaded			: Total :Unloaded:Loaded			: Total
TUTICORIN	1474	751	2225	1742	802	2544	1258	1093	2351	
Fertilizer	302	-	302	378	-	378	205	-	205	
Fertilizer Raw	304	-	304	283	-	283	138	-	138	
Material (Dry)	138	-	138	148	-	148	71	-	71	
Fertilizer Raw	14	-	14	1	-	1	1	-	1	
Material (Liquid)	-	-	-	17	-	17	60	-	60	
Iron Scrap	-	44	44	-	20	20	-	34	34	
Coal	-	45	45	-	30	30	-	133	133	
Tea/Coffee	-	75	75	189	-	189	29	-	29	
Salt	-	587	1303	726	752	1478	754	926	1680	
Foodgrains	716									
Other Commodities										

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

PORT/ YEAR	1991-92	1992-93	1993-94	
	Unloaded:Loaded	Total	Unloaded:Loaded	Total
(1)	(2)	(3)	(4)	(5)
(6)	(7)	(8)	(9)	(10)
MADRAS	6757	8682	15439	8197
			7644	15841
			8487	8510
				16997
POL- Crude	3442	-	3442	4344
POL- Products	77	756	833	49
Fertilizer	544	-	544	582
Fertilizers 'Raw				
Materials (Dry)	288	-	288	271
Fertilizers 'Raw				
Materials (Liquid)	-	-	-	-
Foodgrains	3	53	56	217
Iron & Steel	219	-	219	200
Veg. Oil & animal				
fats	36	-	36	18
Iron Ore	-	5406	5406	-
Chemicals	304	25	329	307
Iron Scrap	331	19	350	923
Coal	-	-	-	35
Coke	82	-	82	12
Other Commodities	1431	2423	3854	1239
			2208	3447
			16652	2997
				4662

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

PORT/ YEAR	1991-92		1992-93		1993-94						
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	
	:Unloaded:Loaded	: Total	:Unloaded:Loaded	: Total	:Unloaded:Loaded	: Total	:Unloaded:Loaded	: Total	:Unloaded:Loaded	: Total	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	
VISAKHAPATNAM	8597	6237	14834	11990	5607	17597	11508	7047	18555		
POL- Crude	3214	-	3214	4814	-	4814	3067	-	3067	3067	
POL- Products	400	229	629	851	368	1219	673	346	1019	1019	
Fertilizers	504	-	504	484	-	484	682	-	682	682	
Fertilizer Raw	949	-	949	946	-	946	835	-	835	835	
Materials (Dry)											
Fertilizer Raw	376	-	376	390	-	390	257	-	257	257	
Materials (Liquid)	-	27	27	161	10	171	46	-	46	46	
Foodgrains	7	174	181	2	505	507	-	955	955	955	
Iron & Steel	2594	-	2594	3447	-	3447	4029	-	4029	4029	
Coal	67	-	67	73	-	73	44	-	44	44	
Coke	-	5162	5162	-	3904	3904	-	4227	4227	4227	
Iron Ore	41	-	41	72	-	72	71	-	71	71	
Chemicals	73	-	73	264	-	264	-	-	-	-	
Iron scrap											
Veg. Oil & Animal	12	-	12	6	-	6	6	-	6	6	
fats	360	645	1005	480	820	1300	1798	1519	3317	3317	
Other Commodities											

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

PORT/ YEAR	: 1991-92	: 1992-93	: 1993-94	
	: Unloaded:Loaded	: Total :Unloaded:Loaded	: Total :Unloaded:Loaded	: Total
(1)	(2)	(3)	(4)	(5) (6) (7) (8) (9) (10)
PARADIP	2880	2048	4928	2428 1792 4220 2577 2064 4641
Fertilizers	87	-	87	142 - 142 192 - 192
Fertilizer Raw				
Materials (Dry)	75	-	75	152 - 152 63 - 63
Fertilizer Raw				
Materials (Liquid)	698	-	698	495 - 495 471 - 471
Foodgrains	1	-	1	3 - 3 - -
Iron & Steel	6	29	35	- 45 45 62 106 168
Coal	1585	-	1585	1133 - 1133 1094 - 1094
Coke	48	-	48	84 - 84 157 - 157
Iron Ore	-	1524	1524	- 1285 1285 - 1430 1430
Iron scrap	-	-	-	- - - 17 17
Other Commodities	380	495	875	419 462 881 538 511 1049

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

PORT/ YEAR	1991-92		1992-93		1993-94					
	:		:		:		:			
	:Unloaded:Loaded		:Total :Unloaded:Loaded		:Total :Unloaded:Loaded		:Total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
CALCUTTA	1829	1034	2863	1875	1259	3134	1721	1477	3198	
POL- Crude	-	-	-	-	-	-	-	-	-	
POL- Products	120	-	120	74	-	74	46	-	46	
Fertilizer	203	-	203	198	-	198	156	-	156	
Fertilizer Raw										
Material (Dry)	132	-	132	142	-	142	76	-	76	
Fertilizer Raw										
Material (Liquid)	-	-	-	-	-	-	-	-	-	
Foodgrains	60	-	60	58	-	58	46	-	46	
Iron & Steel	276	184	460	237	311	548	208	488	696	
Veg. Oil &										
Animal fats	68	-	68	29	-	29	66	-	66	
Cement	48	-	48	9	-	9	-	-	-	
Chemicals	47	-	47	43	-	43	63	-	63	
Tea	-	152	152	-	101	101	-	108	108	
Coal	6	-	6	19	-	19	6	-	6	
Sugar	-	-	-	-	-	-	-	-	-	
Jute & its products	-	230	230	-	175	175	-	197	197	
Other Commodities	869	468	1337	1066	672	1738	1054	684	1738	

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

PORT/ YEAR	1991-92	1992-93	1993-94	
	Unloaded:Loaded	Total	Unloaded:Loaded	Total
(1)	(2)	(3)	(4)	(5)
(6)	(7)	(8)	(9)	(10)
HALDIA	8296	89	8385	9142
			107	9249
			8540	199
				8739
POL- Crude	3072	-	3072	3031
POL- Products	2900	-	2900	3206
Fertilizer	72	-	72	115
Fertilizer Raw				
Materials (Dry)	175	-	175	205
Fertilizer Raw				
Materials (Liquid)	172	-	172	180
Foodgrains	-	-	-	49
Iron & Steel	14	9	23	37
Iron scrap (Pig Iron)	46	-	46	49
Coal	1795	-	1795	2089
Cement	-	-	-	-
Tea	-	32	32	33
Other Commodities	50	48	98	181
			27	208
			293	43
				336

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

2.2.18 Coastal Traffic (Principal Commodities) Handled At Major Ports
('000 tonnes)

PORT/ YEAR	1991-92	1992-93	1993-94						
	: Unloaded:Loaded	: Total	: Unloaded:Loaded	: Total	: Unloaded:Loaded	: Total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
KANDLA	6101	218	6319	4268	155	4423	3217	101	3318
POL-Crude	5100	-	5100	3237	-	3237	2410	-	2410
POL-Products	984	162	1146	1015	47	1062	767	35	802
Foodgrains	1	1	2	1	1	2	-	-	-
Veg. Oil & Animal fats	6	-	6	-	-	-	-	-	-
Other Commodities	10	55	65	15	107	122	40	66	106
BOMBAY	424	11516	11940	116	10451	10567	205	8256	8461
POL-Crude	20	9981	10001	-	8161	8161	73	6849	6922
POL-Products	138	1531	1669	32	2289	2321	81	1406	1487
Foodgrains	-	-	-	-	-	-	-	-	-
Cement	39	-	39	26	-	26	2	-	2
Salt	8	-	8	20	-	20	32	-	32
Iron & Steel	17	neg.	17	2	-	2	-	-	-
Veg. Oil & Animal fats	-	-	-	-	-	-	-	-	-
Other commodities	202	4	206	36	1	37	17	1	18

2.2.18 Coastal Traffic (Principal Commodities) Handled At Major Ports
('000 tonnes)

PORT/ YEAR	1991-92		1992-93		1993-94				
	Unloaded:Loaded	Total	Unloaded:Loaded	Total	Unloaded:Loaded	Total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
MORMUGAO	736	188	924	674	389	1063	625	525	1150
POL- Product	615	-	615	642	-	642	617	-	617
Iron Ore	121	188	309	30	376	406	-	522	522
Others	-	-	-	2	13	15	8	3	11
NEW MANGALORE	638	506	1144	595	28	623	608	230	838
POL- Products	565	-	565	562	-	562	582	-	582
Iron Ore/Pallets	-	500	500	-	21	21	-	230	230
Other commodities	73	6	79	33	7	40	26	-	26
COCHIN	3867	594	4461	4263	521	4784	4029	544	4573
POL- Crude	3577	-	3577	4001	-	4001	3556	52	3608
POL- Products	267	589	856	199	517	716	463	488	951
Other commodities	23	5	28	63	4	67	10	4	14

2.2.18 Coastal Traffic (Principal Commodities) Handled At Major Ports
('000 tonnes)

PORT/ YEAR	:	1991-92	:	1992-93	:	1993-94	:	Total	: Unloaded:Loaded	: Total	: Unloaded:Loaded	: Total						
: Unloaded:Loaded : Total : Unloaded:Loaded : Total : Unloaded:Loaded : Total																		
(1)		(2)		(3)		(4)		(5)		(6)		(7)		(8)		(9)		(10)
TUTICORIN		3625		18		3643		3666		5		3671		4348		1		4349
POL- Products		496		-		496		510		-		510		463		-		463
Foodgrains		-		-		-		-		-		-		-		-		-
Coal		3116		-		3116		3145		-		3145		3877		-		3877
Other commodities		13		18		31		11		5		16		8		1		9
MADRAS		8307		1300		9607		8089		1401		9490		8392		1152		9544
POL- Crude		3152		-		3152		2477		-		2477		2715		-		2715
POL- Products		36		1186		1222		31		1239		1270		41		1061		1102
Veg. Oil & Animal fats		neg.		2		2		neg.		1		1		-		-		-
Coal		5051		-		5051		5541		-		5541		5550		-		5550
Coke		-		-		-		-		-		-		-		-		-
Foodgrains		-		21		21		-		23		23		-		-		-
Other commodities		68		91		159		40		138		178		86		91		177

2.2.18 Coastal Traffic (Principal Commodities) Handled At Major Ports
('000 tonnes)

T/ AR	1991-92		1992-93		1993-94					
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
	: Unloaded:Loaded		: Total :Unloaded:Loaded		: Total :Unloaded:Loaded		: Total :Unloaded:Loaded		Total	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
VISAKHAPATNAM		1834	4854	6688	784	4384	5168	1422	5618	7040
POL- crude		1194	-	1194	352	-	352	1297	1164	2461
POL- Products		577	770	1347	395	812	1207	96	855	951
Coal		-	3054	3054	-	2501	2501	-	2551	2551
Chemicals		40	-	40	36	-	36	4	-	4
Iron Ore		-	999	999	-	1056	1056	-	1003	1003
Other commodities		23	31	54	1	15	16	25	45	70
PARADIP		-	2369	2369	-	3386	3386	4	3682	3686
Coal		-	2369	2369	-	3325	3325	-	3594	3594
Iron ore		-	-	-	-	61	61	-	88	88
Others		-	-	-	-	-	-	4	-	4
CALCUTTA		1103	191	1294	1802	221	2023	1653	318	1971
POL- Crude		-	-	-	-	-	-	-	-	-
POL- Products		895	47	942	1637	37	1674	1529	48	1577
Foodgrains		-	-	-	-	-	-	-	28	28
Iron & Steel		1	2	3	-	1	1	5	4	9
Coal		-	-	-	-	-	-	-	-	-
Other commodities		207	142	349	165	183	348	119	238	357

2.2.18 Coastal Traffic (Principal Commodities) Handled At Major Ports
('000 tonnes)

PORT/ YEAR	1991-92	1992-93	1993-94						
	: Unloaded:Loaded	: Total	: Unloaded:Loaded	: Total	: Unloaded:Loaded	: Total	: Unloaded:Loaded	: Total	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
HALDIA	25	3433	3458	96	3835	3931	303	4285	4588
POL- Crude	-	-	-	-	-	-	-	-	-
POL- Products	25	631	656	84	871	955	300	858	1158
Coal	-	2802	2802	-	2960	2960	-	3427	3427
Other commodities	-	-	-	12	4	16	3	-	3
ALL MAJOR PORTS	26660	25187	51847	24353	24776	49129	24806	24712	49518
POL- Crude	13043	9981	23024	10067	8161	18228	10051	8065	18116
POL- Products	4598	4916	9514	5107	5812	10919	4939	4751	9690
Foodgrains	1	22	23	1	24	25	-	28	28
Coal	8167	8225	16392	8686	8786	17472	9427	9572	18999
Iron & Steel	18	2	20	2	1	3	5	4	9
Iron Ore	121	1687	1808	30	1514	1544	-	1843	1843
Other commodities	712	354	1066	460	478	938	384	449	833

2.2.10 Overseas Traffic (Imports 1993-94) By Country Of Origin
(Portwise - Commoditywise)

(In '000 Tonnes)

f Origin/	Kandla	Bombay	J.L.	Nehru	Mormu-	N.Manga--	Cochin	Tuti-	Madras	Visakha	Paradip	Calcutta	Haldia	Total
ies	:	:	:	:	gao	lore	:	corin	:	patnam	:	:	:	:
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
L COMMODITIES	17736	16656	2088	1910	637	2322	1258	8487	11508	2577	1721	8540	75440	
U.A.E.	6237	-	-	76	31	-	208	-	1896	159	-	-	8607	
Kuwait	464	805	22	104	23	-	-	-	446	62	-	-	1926	
S.Arabia	3220	5359	23	54	70	-	-	-	952	20	-	-	9706	
Iran	14	793	-	-	10	-	-	-	40	-	-	-	857	
Iraq	-	-	-	-	-	-	-	-	-	-	-	-	-	
Qatar	46	187	25	-	16	-	-	-	71	28	-	-	373	
U.S.S.R.	-	147	24	-	47	-	34	434	136	156	-	-	978	
U.S.A	414	600	603	30	38	51	15	345	638	84	206	540	3564	
Bahrain	881	235	-	72	25	-	-	-	23	-	-	-	1236	
Jordan	204	152	32	14	-	-	78	-	205	-	-	-	685	
Senegal	488	-	-	-	-	-	1	-	-	-	-	-	489	
Korea (S)	81	281	-	-	6	-	2	-	5	4	-	-	379	
Netherlands	351	142	-	-	-	-	-	23	-	30	-	-	546	
Italy	425	103	-	6	-	-	-	63	31	-	-	-	628	
Singapore	100	167	-	55	23	-	18	559	146	-	-	-	1068	
Malaysia	122	174	-	-	15	-	62	32	432	-	-	-	837	
France	30	119	-	8	-	-	-	12	51	-	-	-	220	
Canada	175	186	26	-	18	11	46	96	31	-	-	15	606	
Japan	80	251	-	48	24	7	8	102	30	108	142	-	800	
Brazil	5	146	-	-	-	44	-	1	-	2	-	-	198	
Germany	-	459	40	13	27	-	1	123	26	-	-	-	689	
U.K.	35	381	-	-	-	5	8	92	-	-	91	-	613	
Australia/N.Zealand	-	158	87	-	11	25	138	232	4035	1064	101	1983	7834	
Other European	-	-	-	-	-	-	-	-	-	-	-	-	-	
Countries	1000	100	-	-	-	42	-	565	-	-	210	55	1972	
Other Asian Countries	-	184	-	-	-	1673	-	838	-	-	187	2383	5265	
Other African	-	-	-	-	-	-	-	-	-	-	-	-	-	
Countries	3042	147	-	-	-	339	14	253	-	-	35	-	3830	
Others	322	5380	1206	1430	395	125	622	4717	2314	852	749	3584	21676	

2.2.19 Overseas Traffic (Imports 1993-94) By Country of Origin
(Portwise - Commoditywise)

(In '000 tons)

Country of Origin/ Commodities	Kandla	Bombay	J.L.	Mormu	N.Manga-	Cochin	Tut-	Madras	Visakh-	Paradi-	Calcutta	Haldia	
			Nehru	gao	lore	corin		patnam					
1	2	3	4	5	6	7	8	9	10	11	12	13	
POL CRUDE & PRODUCTS	14132	10911	-	1481	64	1275	-	4511	3740	-	46	5915	42075
U.A.E.	5991	-	-	18	8	-	-	-	-	-	-	-	6017
Kuwait	270	52	-	79	23	-	-	-	-	-	-	-	424
S.Arabia	2753	4950	-	54	4	-	-	-	-	-	-	-	7761
Iran	-	452	-	-	-	-	-	-	-	-	-	-	452
Iraq	-	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	171	-	-	-	-	-	-	-	-	-	-	-
Singapore	51	-	-	12	-	-	-	389	-	-	-	-	452
Malaysia	-	78	-	-	-	-	-	-	-	-	-	-	78
U.S.S.R.	-	28	-	-	-	-	-	31	-	-	-	-	59
Behrain	856	-	-	172	25	-	-	-	-	-	-	-	1053
Yemen	115	-	-	-	-	-	-	-	-	-	-	-	115
U.S.A.	-	94	-	22	-	-	-	57	-	-	1	530	704
Panama	-	-	-	-	-	-	-	-	-	-	-	-	-
Oman	-	67	-	-	-	-	-	-	-	-	-	-	67
Other European)	-	-	-	-	-	-	-	-	-	-	-	-	-
countries)	485	1590	-	-	-	-	-	13	-	-	6	-	2094
Other Asian)	-	-	-	-	-	-	-	-	-	-	-	-	-
countries)	-	-	-	-	-	-	-	-	-	-	-	-	-
Others	3611	3429	-	1124	4	1275	-	4021	3740	-	22	3548	20774

(In '000 Tonnes)

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2.2.19 Overseas Traffic (Imports 1993-94) By Country of Origin
(Portwise - Commoditywise)

(In '000 Tonnes)

Country of Origin/ Commodities	Kandla	Bombay	J.L. Nehru	Mormu- gao	N.Manga- lore	Cochin :corin	Madras :patnam	Vishakha :Calcutta	Paradip :Haldia	Total			
1	2	3	4	5	6	7	8	9	10	11	12	13	14
IRON & STEEL	245	1249	-	-	-	-	-	203	-	62	208	22	1989
Germany	-	65	-	-	-	-	-	40	-	-	-	-	105
France	-	70	-	-	-	-	-	5	-	-	-	-	75
U.S.S.R.	-	-	-	-	-	-	-	-	-	-	-	-	0
U.K.	-	129	-	-	-	-	-	12	-	-	10	-	151
Japan	-	83	-	-	-	-	-	28	-	-	34	-	145
U.S.A.	-	-	-	-	-	-	-	-	-	-	-	-	0
Canada	-	4	-	-	-	-	-	2	-	-	-	-	6
Belgium	-	141	-	-	-	-	-	39	-	30	-	-	210
Czechoslovakia	-	17	-	-	-	-	-	-	-	-	-	-	17
Brazil	-	56	-	-	-	-	-	-	-	-	-	-	56
Korea(S)	-	64	-	-	-	-	-	-	-	-	-	-	64
Malaysia	-	2	-	-	-	-	-	-	-	-	-	-	2
Others	245	618	-	-	-	-	-	77	-	32	164	22	1158
IRON SCRAP	115	-	-	-	-	-	1	311	-	-	-	-	450
U.S.A.	-	-	-	-	-	-	-	23	-	-	-	-	52
U.S.S.R.	-	-	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-	-	-	-	-
Netherlands	31	-	-	-	-	-	-	-	-	-	-	-	31
Sri Lanka	-	-	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-	-	-
U.K.	-	-	-	-	-	-	-	-	-	-	-	-	-
Others	84	-	-	-	-	-	1	282	-	-	-	-	367

(In '000 Tonnes)

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2.2.19 Overseas Traffic (Imports 1993-94) By Country Of Origin
(Portwise - Commoditywise)

(In '000 Tonnes)

Country of Origin/ Commodities	Kandla	Bombay	J.L. : Nehru	Mormu- : gao	N.Manga- : lore	Cochin : corin	Tutic : corin	Madras : patnam	Visakh : patnam	Paradip : patnam	Calcutta : patnam	Maldiva : patnam	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14
CHEMICALS	-	-	-	-	56	1	-	249	71	-	63	-	440
U.S.A.	-	-	-	-	2	1	-	105	-	-	-	-	108
Japan	-	-	-	-	24	-	-	-	-	-	-	-	24
France	-	-	-	-	-	-	-	-	-	-	-	-	0
Germany	-	-	-	-	7	-	-	34	-	-	-	-	41
S.Arabia	-	-	-	-	23	-	-	-	-	-	-	-	23
Bangladesh	-	-	-	-	-	-	-	-	-	-	-	-	-
Other American countries)	-	-	-	-	-	-	-	-	-	-	-	-	-
Other European countries)	-	-	-	-	-	-	-	-	-	-	-	-	-
Africa	-	-	-	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	110	71	-	63	-	-
COAL	-	-	-	-	107	-	60	252	4029	1094	6	2001	7549
U.S.A.	-	-	-	-	-	-	-	-	-	-	-	-	0
U.S.S.R.	-	-	-	-	-	-	-	-	-	-	-	-	-
New Zealand	-	-	-	-	-	-	-	-	131	82	-	-	213
Indonesia	-	-	-	-	-	-	-	-	-	-	-	1954	1954
Australia	-	-	-	-	-	-	-	-	3661	982	-	-	4643
Poland	-	-	-	-	-	-	-	-	-	30	-	-	30
Others	-	-	-	-	107	-	60	252	37	-	6	47	509

2.2.19 Overseas Traffic (Imports 1993-94) By Country Of Origin
(Portwise - Commoditywise)

(In '000 Tonnes)														
Country of Origin/ Commodities	Kandla	Bombay	J.L. Nehru	4	5	6	7	8	9	10	11	12	13	14
WOOD	-	172	-	-	-	42	-	65	34	17	-	31	4	365
U.S.A.	-	59	-	-	-	-	-	-	2	-	-	-	-	61
U.S.S.R.	-	20	-	-	-	3	-	-	-	-	-	-	-	23
Germany	-	1	-	-	-	-	-	-	2	-	-	-	-	3
Canada	-	38	-	-	-	18	-	-	13	-	-	-	4	73
Malaysia	-	-	-	-	-	9	-	53	-	11	-	-	-	73
Burma	-	-	-	-	-	-	-	4	-	6	-	31	-	41
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Zealand	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	8	-	-	-	-	-	8
Other European Countries	-	44	-	-	-	-	-	-	12	-	-	-	-	56
Other Asian Countries	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other African countries	-	10	-	-	-	12	-	-	5	-	-	-	-	27
Others	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MACHINERY	-	117	-	-	-	-	-	-	45	-	-	-	-	162
U.S.A.	-	32	-	-	-	-	-	-	8	-	-	-	-	40
Japan	-	16	-	-	-	-	-	-	7	-	-	-	-	23
France	-	2	-	-	-	-	-	-	-	-	-	-	-	2
Germany	-	29	-	-	-	-	-	-	10	-	-	-	-	39
U.S.S.R.	-	6	-	-	-	-	-	-	-	-	-	-	-	6
Canada	-	1	-	-	-	-	-	-	1	-	-	-	-	2
U.K.	-	11	-	-	-	-	-	-	-	-	-	-	-	11
Taiwan	-	3	-	-	-	-	-	-	-	-	-	-	-	3
Italy	-	5	-	-	-	-	-	-	-	-	-	-	-	5
Czechoslovakia	-	1	-	-	-	-	-	-	-	-	-	-	-	1
Sweden	-	3	-	-	-	-	-	-	-	-	-	-	-	3
Switzerland	-	2	-	-	-	-	-	-	-	-	-	-	-	2
Other Asian)	-	4	-	-	-	-	-	-	4	-	-	-	-	8
countries)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other European)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
countries)	-	2	-	-	-	-	-	-	16	-	-	-	-	18
Others	-	-	-	-	-	-	-	-	-	-	-	-	-	-

2.2.20 Overseas Exports By Country Of Destination 1993-94 (Portwise-Commoditywise)

(In '000 Tonnes)

Country of Destination/Commodities :	Kandla :	Bombay :	U.L. :	Morwa :	N.Manga :	Cochin :	Tutl :	Madras :	Visakh :	Paradip :	Calcutta :	Haider :	Total :
1	2	3	4	5	6	7	8	9	10	11	12	13	14
ALL COMMODITIES	3446	4511	1299	15657	7155	725	1093	8510	7047	2064	1477	199	53183
U.S.A.	38	193	-	-	-	112	62	558	198	12	209	2	1464
U.S.S.R.	97	52	-	24	1	-	12	13	98	-	-	-	297
U.K.	38	106	-	-	-	18	17	150	12	-	94	-	435
Holland	51	127	-	309	-	-	2	-	-	27	-	-	516
France	54	28	-	261	17	-	17	26	-	4	-	-	407
Japan	40	81	-	8058	2728	28	28	1688	4078	959	122	-	17810
Germany	65	70	-	-	10	35	19	92	12	-	-	-	303
Australia/N.Zealand	6	34	-	-	265	6	12	32	-	-	51	-	406
Italy	67	73	-	2264	142	-	-	117	75	-	-	-	2738
Romania	-	10	-	115	-	-	-	-	-	-	-	-	125
Belgium	-	17	-	121	32	-	-	40	9	-	-	-	219
Canada	35	18	-	-	-	11	2	12	-	-	-	-	78
Iran	33	62	-	60	-	-	2	-	30	-	-	-	1500
Iraq	13	15	-	-	-	-	-	-	-	-	-	-	28
Singapore	477	704	-	89	2	-	8	760	223	-	-	-	2263
Indonesia	12	-	-	-	276	-	-	69	176	17	-	-	550
Turkey	10	62	-	-	312	-	2	13	-	-	-	-	399
Korea (S)	60	50	-	1923	1	-	11	-	424	12	-	-	2481
Korea (N)	-	-	-	39	-	-	-	-	-	-	-	-	39
Taiwan	-	263	-	25	361	-	1	-	40	97	-	-	807
S.Arabia	807	263	-	-	3	-	-	-	-	-	-	-	1073
Pakistan	-	10	-	150	-	1	-	-	-	358	-	-	519
Hungry	-	1	-	-	-	-	2	-	-	-	-	-	3
Qatar	6	10	-	-	-	-	-	-	-	-	-	-	16
Czechoslovakia	-	16	-	-	1	-	3	-	-	-	-	-	20
U.A.E.	482	-	-	163	3	-	25	-	64	-	-	-	737
Jordan	15	42	-	12	-	-	-	-	25	-	-	-	94

2.2.20 Overseas Exports By Country Of Destination 1993-94 (Portwise-Commoditywise)

(In '000 Tonnes)

Country of Destination/Commodities :	Kandla :	Bombay :	J.L. : Nehru :	Mormu : gao :	N.Manga- lore :	Cochin :	Tuticorin :	Madras :	Visakha : patnam :	Paradip :	Calcutta :	Haldia :	Total :
1	2	3	4	5	6	7	8	9	10	11	12	13	14
ALL COMMODITIES (Contd.)													
Kuwait	33	46	-	-	-	-	-	-	-	-	-	-	79
Bahrain	3	23	-	-	352	-	-	-	-	-	-	-	378
China	-	8	-	1655	1305	-	-	789	976	511	-	-	5244
Malaysia	99	73	-	52	-	-	83	82	21	-	-	-	410
Bangladesh	242	19	-	-	-	1	204	210	-	-	17	-	693
Philippines	67	36	-	-	-	-	3	6	27	-	-	-	139
Yugoslavia	-	-	-	-	-	-	-	-	-	-	-	-	-
Dubai	-	142	-	-	-	-	-	-	-	-	-	-	142
Spain	5	10	-	99	3	-	-	-	13	24	-	-	144
Other European countries)	-	5	-	-	-	163	-	123	-	-	169	47	607
Other American countries)	-	16	-	-	-	1	-	-	-	-	13	-	30
Other African countries)	2	24	-	-	-	11	-	75	-	-	25	-	137
Other Asian countries)	-	158	-	-	-	138	-	2775	-	-	239	142	3452
Others	589	1644	1299	248	8	200	578	880	546	43	458	8	6501

2.2.20 Overseas Exports By Country Of Destination 1993-94 (Portwise-Commoditywise)

(In '000 Tonnes)

Country of Destin- : ation/Commodities :	Kandla :	Bombay : :	J.L. : Nehru :	Mormu- : gao :	N.Manga- : lore :	Cochin : Cochin :	Tuti- : :	Madras : patnam :	Visakha : :	Paradip : :	Calcutta : :	Haldia : :	Total :
1	2	3	4	5	6	7	8	9	10	11	12	13	14
POL CRUDE & ITS PRODUCTS													
	813	1500	-	-	-	267	-	815	346	-	-	-	3741
S.Arabia	152	22	-	-	-	-	-	-	-	-	-	-	174
U.S.A.	-	-	-	-	-	-	-	28	-	-	-	-	28
U.K.	-	27	-	-	-	-	-	-	-	-	-	-	27
Japan	-	3	-	-	-	-	-	-	-	-	-	-	3
France	21	-	-	-	-	-	-	-	-	-	-	-	21
Italy	-	51	-	-	-	-	-	-	-	-	-	-	51
Holland	-	89	-	-	-	-	-	-	-	-	-	-	89
Australia/N.Zealand	-	-	-	-	-	-	-	-	-	-	-	-	0
Belgium	-	-	-	-	-	-	-	-	-	-	-	-	0
Singapore	440	619	-	-	-	-	-	-	-	-	-	-	1059
Iran	-	2	-	-	-	-	-	-	-	-	-	-	2
Iraq	-	-	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	1	-	-	-	-	-	-	-	-	-	-	1
S.Korea	42	27	-	-	-	-	-	-	-	-	-	-	69
Other European)	-	-	-	-	-	-	-	-	-	-	-	-	-
countries)	-	-	-	-	-	-	-	39	-	-	-	-	39
Other African)	-	-	-	-	-	-	-	-	-	-	-	-	-
countries)	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Asian)	-	-	-	-	-	-	-	-	-	-	-	-	-
countries)	-	-	-	-	-	-	-	559	-	-	-	-	559
Other American)	-	-	-	-	-	-	-	-	-	-	-	-	-
countries)	-	-	-	-	-	-	-	-	-	-	-	-	-
Others	158	659	-	-	-	-	-	267	-	-	-	-	1619

(In '000 Tonnes)

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2.2.20 Overseas Exports By Country Of Destination 1993-94 (Portwise-Commoditywise)

(In '000 Tonnes)

Country of Destination/Commodities :	Kandla :	Bombay :	U.L. : Nehru :	Mormu- gao :	N.Manga- lore :	Cochin : corin :	Tuti- Madras :	Visakha : patnam :	Paradip :	Calcutta :	Haide :	Total :	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
IRON & STEEL	6	176	-	-	-	7	-	79	955	106	488	127	1944
U.S.A.	-	18	-	-	-	4	-	14	83	-	6	-	125
U.K.	-	2	-	-	-	-	-	-	-	-	-	-	2
Belgium	-	-	-	-	-	-	-	-	-	-	-	-	-
Japan	-	2	-	-	-	-	-	1	129	-	42	-	174
U.S.S.R.	-	-	-	-	-	-	-	-	-	-	-	-	-
Germany	-	1	-	-	-	-	-	1	-	-	-	-	2
Canada	-	1	-	-	-	1	-	3	-	-	17	-	22
Australia/N.Zealand	-	-	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	5	-	-	-	-	-	-	-	-	-	-	5
Other European countries	-	-	-	-	-	-	-	4	-	-	8	-	12
Other African countries	-	1	-	-	-	-	-	-	-	-	-	-	1
Other Asian countries	-	5	-	-	-	1	-	34	-	-	-	-	40
Others	6	141	-	-	-	1	-	22	743	106	415	127	1561
MACHINERY	-	46	-	-	-	1	-	19	-	-	-	-	66
U.S.A.	-	12	-	-	-	-	-	2	-	-	-	-	14
U.S.S.R.	-	2	-	-	-	-	-	-	-	-	-	-	2
Japan	-	-	-	-	-	-	-	-	-	-	-	-	-
Germany	-	1	-	-	-	-	-	1	-	-	-	-	2
Other African countries)	-	-	-	-	-	-	-	3	-	-	-	-	3
Other European countries)	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle East countries)	-	21	-	-	-	1	-	6	-	-	-	-	21
Other Asian countries)	-	8	-	-	-	-	-	7	-	-	-	-	15
S. America	-	2	-	-	-	-	-	-	-	-	-	-	2
Others	-	-	-	-	-	-	-	-	-	-	-	-	-

2.2.20 Overseas Exports By Country Of Destination 1993-94 (Portwise-Commoditywise)

(In '000 Tonnes)

Country of Destination/Commodities	Kandla	Bombay	J.L.	Mormu-	N.Manga-	Cochin	Tuticorin	Madras	Visakhapatnam	Paradip	Calcutta	Haiderabad	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14
BEVERAGE & TOBACCO	-	5	-	-	28	-	-	3	-	-	-	-	36
U.S.A.	-	-	-	-	-	-	-	-	-	-	-	-	-
U.S.S.R.	-	4	-	-	-	-	-	2	-	-	-	-	6
Japan	-	-	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	8	-	-	-	-	-	-	-	8
Canada	-	-	-	-	-	-	-	-	-	-	-	-	-
France	-	1	-	-	-	-	-	-	-	-	-	-	1
Belgium	-	-	-	-	-	-	-	-	-	-	-	-	-
Romania	-	-	-	-	-	-	-	-	-	-	-	-	-
U.K.	-	-	-	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-	-	-	-	-
Holland	-	-	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	20	-	-	-	-	-	-	-	20
U.A.E.	-	-	-	-	-	-	-	-	-	-	-	-	-
Aden	-	-	-	-	-	-	-	-	-	-	-	-	-
Australia/N.Zealand	-	-	-	-	-	-	-	1	-	-	-	-	1
Other European Countries	-	-	-	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-	-	-	-

2.2.21 Container Traffic Handled At Major Ports

Item	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94(E)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1. Export (in million tonnes)									
(1) Indian Lines	0.26	0.32	0.25	0.32	0.34	0.36	0.36	0.35	0.57
(1) Foreign Lines	1.57	2.27	2.59	2.64	3.18	3.32	3.28	3.21	5.29
(1) Total	1.85	2.59	2.84	2.96	3.52	3.68	3.64	3.56	5.86
2. Import (in million tonnes)									
(1) Indian Lines	0.57	0.54	0.48	0.45	0.44	0.46	0.35	0.46	0.69
(1) Foreign Lines	1.75	2.12	2.57	2.75	3.38	3.56	2.73	3.60	5.35
(1) Total	2.32	2.66	3.05	3.20	3.82	4.02	3.08	4.06	6.04
3. Total (in million tonnes)									
(1) Indian Lines	0.85	0.86	0.73	0.77	0.78	0.82	0.71	0.81	1.26
(1) Foreign Lines	3.32	4.39	5.16	5.39	6.56	6.88	6.01	6.81	10.64
(1) Total	4.17	5.25	5.89	6.16	7.34	7.70	6.72	7.62	11.90
4. General Cargo (Break Bulk & Container)	13.03	14.07	14.58	14.5	16.66	16.92	15.58	17.69	23.16
5. % Of Container Cargo to general cargo	32.0	37.3	40.4	42.5	44.1	45.5	43.1	43.1	51.4

(E) : Estimated

2.22 Container Traffic Handled At Major Ports (Port-Wise)
('000 Tonnes)

Item	Kandla	Bombay	J.L.	Nehru	Gao	Mormu	N.Manga-Cochin	Tuti	Madras	Visakha	Paradip	Calcutta	Haldia	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
EXPORT														
1984-85	80	857	-	-	3	23	6	169	1	-	159	51	1349	
1985-86	127	1083	-	-	1	43	16	317	1	-	234	23	1847	
1986-87	168	1455	-	-	3	175	29	420	5	-	283	50	2588	
1987-88	212	1666	-	-	11	181	38	444	2	-	269	11	2834	
1988-89	268	1510	-	-	12	197	42	456	1	-	366	103	2957	
1989-90	385	1510	190	-	6	229	81	493	13	-	390	221	3518	
1990-91	344	1423	377	-	7	236	109	578	36	-	382	208	3680	
1991-92	238	999	711	-	14	264	164	605	59	-	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	847	65	-	760	55	5865	
IMPORT														
1984-85	32	1128	-	-	5	164	6	176	Neg	-	119	26	1656	
1985-86	44	1486	-	-	8	178	17	387	2	-	163	40	2325	
1986-87	88	1730	-	-	21	36	48	470	10	-	184	75	2662	
1987-88	123	2078	-	-	10	45	46	458	7	-	218	87	3032	
1988-89	156	2090	-	6	9	43	35	501	1	-	298	64	3202	
1989-90	202	2360	217	1	2	30	52	490	11	-	382	97	3824	
1990-91	158	2455	279	-	2	38	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	636	12	-	417	35	4061	
1993-94	268	3349	933	2	Neg.	49	120	829	16	-	639	33	6038	
TOTAL														
1984-85	112	1985	-	-	8	187	12	345	1	-	278	77	3005	
1985-86	171	2569	-	-	9	221	33	704	3	-	397	65	4172	
1986-87	256	3185	-	-	24	211	77	890	15	-	467	125	5250	
1987-88	335	3744	-	-	21	226	84	902	9	-	487	78	5886	
1988-89	424	3600	-	5	21	240	77	959	2	-	664	167	6159	
1989-90	587	3870	407	1	8	259	133	983	24	-	752	318	7342	
1990-91	502	3688	656	-	9	275	166	1137	82	-	664	316	7695	
1991-92	333	2552	1314	-	16	294	202	1003	79	-	804	115	6715	
1992-93	359	2486	1712	5	15	316	277	1251	85	-	1009	95	7620	
1993-94	730	5099	2076	11	15	423	405	1576	81	-	1398	88	11903	

2.2.22(a) Container Cargo as well as Tare Weight of Containers
at Major Ports during 1993-94
(000 'Tonnes)

Container cargo	Tare weight	Container traffic
Kandla	613	117
Bombay	5099	878
J.L.Nehru	...	...
Mormugao	11	4
N.Mangalore	...	...
Cochin	424	...
Tuticorin	306	99
Madras	1569	302
Vizag	81	...
Calcutta	1185	214
Haldia	75	13
Total	9363	1627
		13081

Note:-(i) Total Container Traffic may not tally with the aggregate of its components viz Container Cargo and Tare Weight because J.L. Nehru and New Mangalore ports donot give the components. There was no Container Traffic at Paradip Port.

(ii) Tare weight included in the traffic in respect of Kandla, Calcutta, Haldia, N.Mangalore, Tuticorin and Vizag ports and excluded in respect of Bombay, Madras, Cochin.

2.2.23 Container Traffic Handled At Major Ports (Type - Wise)

Type	KANDLA				BOMBAY							JAWAHARLAL NEHRU						
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)		
IMPORT		24847	21211	13620	14233	26616	154425	160424	141910	161003	225945	17237	23252	50287	86215	73524		
20'		22501	19171	11758	10883	20830	97989	100084	91566	102543	138229	...	...	...	40513	46270		
40'		1173	1020	1031	1675	2893	28218	30170	25172	29270	44358	...	...	...	12851	13627		
Stuffed		10711	6977	4446	4901	13232	129718	137901	90857	107687	151092	...	...	...	...	...		
20'		9353	6305	3688	3957	10548	82654	89525	61389	69225	90794	...	...	...	35866	43431		
40'		679	336	379	472	1342	23532	24188	14734	19231	30149	...	...	...	24404	30541		
Empty		14136	14234	9374	9332	13384	24707	22523	51053	53396	74853	...	...	...	5731	6445		
20'		13148	12866	8070	6926	10282	15335	10559	30177	33318	48435	...	...	...	30349	30093		
40'		494	684	652	1203	1551	4666	5982	10438	10039	14209	...	...	...	16109	15729		
EXPORT		24513	21919	14487	14226	24526	154463	162584	137085	153430	200171	16643	31389	59208	74179	95258		
20'		22071	19985	12381	11082	19766	98121	101346	88401	101542	126517	...	...	...	47537	57585		
40'		1221	967	1053	1572	2380	26171	30619	24342	25944	36827	...	...	...	13321	18836		
Stuffed		23442	20926	13556	13255	22949	124566	134490	124964	138490	185664	...	...	...	71546	92046		
20'		21806	19366	11824	10883	19367	85854	86084	82380	94026	121666	...	...	...	46698	56436		
40'		818	780	896	1186	1791	19356	24203	21292	22232	37999	...	...	...	12425	17806		
Empty		1071	993	931	971	1577	29697	28094	12121	14940	14507	...	...	...	2633	3210		
20'		265	619	557	190	399	12267	15262	6021	7516	4851	...	...	...	841	1150		
40'		403	187	187	386	589	8615	5416	3050	3712	4828	...	...	...	896	1030		

Note: Unless specified, No. of containers are in 20' equivalents units - TEUS

2.2.23 Container Traffic Handled At Major Ports (Type - wise)

Type	KANDLA				BOMBAY				JAMNAPUR, NEHRU						
	1989-90	1990-91	1991-92	1992-93	1993-94	1989-90	1990-91	1991-92	1992-93	1993-94	1989-90	1990-91	1991-92	1992-93	1993-94
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
TRANSHIPMENT	-	-	-	-	-	1010	1206	561	887	1514	...	...	...	2241	4289
20'	-	-	-	-	-	796	988	503	669	784	...	...	...	1543	2673
40'	-	-	-	-	-	107	110	29	109	365	...	...	...	349	808
Stuffed	-	-	-	-	-	1010	1206	561	887	1514	...	...	...	2241	4289
20'	-	-	-	-	-	796	988	503	669	784	...	...	...	1543	2673
40'	-	-	-	-	-	107	110	29	109	365	...	...	...	349	808
Empty	-	-	-	-	-	-	-	-	-	-	...	...	...	-	-
20'	-	-	-	-	-	-	-	-	-	-	...	...	...	-	-
40'	-	-	-	-	-	-	-	-	-	-	...	...	...	-	-
TOTAL	49380	43130	28307	28459	51142	309898	324216	279556	315400	427630	33880	54641	109495	142835	173071
20'	44572	39156	24139	21965	40596	196906	202416	160470	204754	264530	...	...	...	69593	106528
40'	2394	1987	2084	3247	5273	56496	60899	49543	55323	81550	...	...	...	26521	33271
Stuffed	34153	27903	18002	18156	36181	255294	273599	216382	247064	338270	...	...	...	109653	139768
20'	31159	25671	15512	14840	29915	169304	176597	144272	183920	213244	...	...	...	72843	89650
40'	1497	1116	1245	1658	3133	42995	48501	36055	41572	62513	...	...	...	18505	25059
Empty	15207	15227	10305	10303	14961	54604	50617	63174	68336	89360	...	...	...	32962	33303
20'	13413	13485	8627	7125	10681	27602	25821	36198	40834	51266	...	...	...	16950	16879
40'	897	871	839	1589	2140	13501	12398	13488	13751	19037	...	...	...	8016	8212

Note: Unless specified, No. of containers are in 20' equivalents units - TEUS

2.2.23 Container Traffic Handled At Major Ports (Type - Wise)

Type	MORMUGAO				NEW MANGALORE				COCHIN							
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
IMPORT		802	208	-	-	493	1103	623	550	814	902	21416	22396	22817	24744	27356
20'		...	...	-	-	129	...	...	350	546	730	10682	11896	11053	12554	13484
40'		...	...	-	-	182	...	...	95	84	86	5367	5250	5682	6095	6946
Stuffed		892	298	-	-	54	...	...	296	232	214	4376	3394	4169	3086	3675
20'		...	...	-	-	40	...	...	182	92	64	2390	1952	2005	1516	1839
40'		...	...	-	-	7	...	...	57	70	75	993	721	1082	785	918
Empty		-	-	-	-	439	...	...	254	582	688	17040	19002	18648	21658	23681
20'		-	-	-	-	89	...	...	178	554	666	8292	9944	9048	11038	11625
40'		-	-	-	-	175	...	...	38	14	11	4374	4529	4800	5310	6028
EXPORT		-	-	-	-	351	1123	613	513	1041	1022	22503	23248	24071	26312	27770
20'		-	-	-	-	75	...	...	407	749	760	11667	12508	12721	13744	14090
40'		-	-	-	-	136	...	...	53	146	131	5418	5370	5675	6284	6840
Stuffed		-	-	-	-	345	...	...	409	695	815	20472	21948	22676	25405	27089
20'		-	-	-	-	69	...	...	387	643	743	10440	11624	11892	13261	13753
40'		-	-	-	-	136	...	...	11	26	36	5016	5162	5392	6072	6668
Empty		-	-	-	-	6	...	...	104	346	207	2031	1300	1395	907	881
20'		-	-	-	-	6	...	...	20	106	17	1227	884	829	483	337
40'		-	-	-	-	-	...	...	42	120	95	402	208	283	212	172

Note: Unless specified, No. of containers are in 20' equivalents units - TEUS

2.2.23 Container Traffic Handled At Major Ports (Type - Wise)

Type	MORMUGAO				NEW MANGALORE							COCHIN				
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
TRANSHIPMENT	-	-	-	-	-	-	-	-	-	-	-	2231	1894	1088	466	318
20'	-	-	-	-	-	-	-	-	-	-	-	873	890	522	178	140
40'	-	-	-	-	-	-	-	-	-	-	-	679	502	283	144	89
Stuffed	-	-	-	-	-	-	-	-	-	-	-	969	1218	598	246	318
20'	-	-	-	-	-	-	-	-	-	-	-	585	602	312	100	140
40'	-	-	-	-	-	-	-	-	-	-	-	192	306	143	74	89
Empty	-	-	-	-	-	-	-	-	-	-	-	1262	676	490	218	-
20'	-	-	-	-	-	-	-	-	-	-	-	288	288	210	78	-
40'	-	-	-	-	-	-	-	-	-	-	-	487	194	140	70	-
TOTAL	298	-	-	-	844	1671	1236	1063	1855	1924	1819	47875	48782	52144	55592	70819
20'	...	-	-	-	204	473	...	767	1395	1490	1631	25277	24664	26820	27732	35309
40'	...	-	-	-	320	599	...	148	230	217	94	11289	12059	12662	13930	17755
Stuffed	298	-	-	-	399	935	...	705	927	1029	791	26311	28063	29089	31012	41194
20'	...	-	-	-	109	297	...	569	735	807	763	14161	14499	15088	15692	21186
40'	...	-	-	-	145	319	...	68	96	11	4	6075	6762	7000	7660	10004
Empty	-	-	-	-	445	736	...	358	928	895	1028	21564	20719	23055	24580	29625
20'	-	-	-	-	95	176	...	198	660	683	848	11116	10165	11731	12040	14123
40'	-	-	-	-	175	280	...	80	134	106	90	5224	5277	5662	6270	7751

Note: 1. Unless specified, No. of containers are in 20' equivalents units - TEUS
2. In Cochin, 45' containers are also handled.

2.2.23 Container Traffic Handled At Major Ports (Type - Wise)

Type	TUTICORIN				MADRAS				VISAKHAPATNAM						
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
: 1989-90 : 1990-91 : 1991-92 : 1992-93 : 1993-94 : 1989-90 : 1990-91 : 1991-92 : 1992-93 : 1993-94 : 1989-90 : 1990-91 : 1991-92 : 1992-93 : 1993-94															
IMPORT	5810	9688	13389	17448	24501	45671	54258	52871	62023	81514	1347	4103	4024	4318	4547
20'	4765	5988	7095	9418	13821	28891	30858	32265	37179	47610	399	845	2056	2264	1919
40'	1022	1850	3147	4015	5340	8390	11700	10303	12872	16952	474	1674	984	1027	1314
Stuffed	2803	2705	1174	2994	5579	36519	43897	31080	39936	50708	497	2807	819	236	476
20'	2625	2199	988	2024	3895	21875	23595	19574	26074	30846	397	503	219	60	216
40'	54	253	93	485	642	7322	10051	8753	5931	9931	50	1152	300	88	130
Empty	4007	6983	12215	14454	18922	9152	10571	21791	22987	30806	850	1386	3205	4082	4071
20'	2071	3789	6107	7394	9926	7016	7273	12691	11108	15764	2	342	1837	2204	1703
40'	968	1597	3054	3830	4498	1068	1849	4550	5941	7021	424	522	684	939	1184
EXPORT	7090	10324	14281	17562	23609	45422	54373	53334	63512	80591	1311	4241	3772	4258	4148
20'	4898	6608	7919	9442	13179	28402	32223	32015	38706	46845	371	637	1924	2254	1738
40'	1096	1758	3181	4060	5215	8510	11075	10664	12403	16873	470	1702	924	1002	1205
Stuffed	6356	9473	14158	17383	23186	37974	45927	51203	62557	79434	893	2085	3316	4159	4029
20'	4220	6079	7876	9395	13064	26396	30311	30954	38423	46542	39	487	1812	2241	1711
40'	1068	1697	3141	3994	5061	5789	7808	10129	12067	16446	427	799	752	959	1159
Empty	734	851	123	179	423	7448	8446	2131	955	1157	418	2158	456	99	119
20'	678	729	43	47	115	2006	1912	1061	283	303	332	350	112	13	27
40'	28	61	40	65	154	2721	3267	535	336	427	43	903	172	43	46

Note: Unless specified, No. of containers are in 20' equivalents units - TEUs

2.2.23 Container Traffic Handled At Major Ports (Type - Wise)

Type	TUTICORIN					MADRAS					VISAKHAPATNAM				
	1989-90	1990-91	1991-92	1992-93	1993-94	1989-90	1990-91	1991-92	1992-93	1993-94	1989-90	1990-91	1991-92	1992-93	1993-94
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
TRANSHIPMENT	215	194	-	-	-	2080	432	750	925	526	-	-	-	-	-
20'	143	156	-	-	-	1004	330	710	677	414	-	-	-	-	-
40'	36	19	-	-	-	138	51	20	124	56	-	-	-	-	-
Stuffed	215	194	-	-	-	1799	352	750	706	526	-	-	-	-	-
20'	143	156	-	-	-	1523	298	710	462	414	-	-	-	-	-
40'	36	19	-	-	-	138	27	20	122	56	-	-	-	-	-
Empty	-	-	-	-	-	281	80	-	219	-	-	-	-	-	-
20'	-	-	-	-	-	281	32	-	219	-	-	-	-	-	-
40'	-	-	-	-	-	-	24	-	2	-	-	-	-	-	-
TOTAL	14115	20206	27670	35010	48110	93173	109073	106455	127360	162631	2658	6434	7796	8576	8685
20'	9807	12952	15014	18860	27000	59097	63421	64490	76562	94859	770	1682	3980	4518	3657
40'	2154	3627	6326	8075	10555	17036	22626	20987	25394	33861	944	3376	1908	2029	2619
Stuffed	9374	12372	15332	20377	28765	76292	89976	82533	103194	130668	1390	4892	4135	4395	4505
20'	7058	8434	8864	11419	16059	48794	54204	50738	64959	77802	436	960	2031	2301	1927
40'	1158	1969	3234	4479	6903	11245	17006	15402	19120	26433	477	1951	1052	1047	1289
Empty	4741	7634	12338	14633	19345	16881	19047	23922	24161	31963	1268	3542	3661	4181	4190
20'	2749	4518	6150	7441	10041	9303	9717	13752	11603	17067	334	602	1949	2217	1730
40'	996	1658	3094	3596	4652	3789	4940	5085	6279	7448	467	1425	856	982	1230

Note: * There were 199 and 114 containers of size 45' which have been included in 20' containers.

(One 45' Container = 3 TEU) in 1992-93 and 1993-94 respectively.

Note: Unless specified, No. of containers are in 20' equivalents units - 11 US

2.2.23 Container Traffic Handled At Major Ports (Type - Wise)

Type	PARADIP				HALDIA				CALCUTTA							
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
:1989-90 :1990-91 :1991-92 :1992-93 :1993-94 :1989-90 :1990-91 :1991-92 :1992-93 :1993-94 :1989-90 :1990-91 :1991-92 :1992-93 :1993-94																
IMPORT																
20'				221	-	-	8335	8843	3186	2981	2259	30400	23763	28898	37719	48706
40'		NIL		137	-	-	7747	8367	3046	2561	1965	22338	17771	15800	26717	31934
				42	-	-	294	228	70	210	147	4031	2996	3549	5501	8365
Stuffed																
20'				-	-	-	5217	5689	1602	1652	1487	22714	19332	18640	25635	35981
40'		NIL		-	-	-	4773	5301	1514	1440	1469	16476	14774	14120	19361	26311
				-	-	-	222	194	44	106	9	3118	2279	2260	3137	4835
Empty																
20'				221	-	-	3118	3154	1584	1329	772	7686	4431	10258	12084	12725
40'		NIL		137	-	-	2974	3066	1532	1121	496	5862	2997	1560	7356	5623
				42	-	-	72	34	26	104	138	912	717	1289	2364	3551
EXPORT																
20'				225	-	-	14174	13443	5796	4343	3746	26859	25183	28915	35882	47301
40'		NIL		137	-	-	13444	12727	5598	3527	2618	20185	18773	21997	26842	32547
				44	-	-	360	358	99	408	564	3337	3205	3459	4520	7377
Stuffed																
20'				207	-	-	13613	13089	5682	4182	3672	22743	21911	27788	34409	43143
40'		NIL		119	-	-	12979	12467	5496	3374	2608	17593	16821	21406	25801	29675
				44	-	-	317	311	93	404	532	2575	2545	3191	4304	6734
Empty																
20'				16	-	-	561	354	114	161	74	4116	3272	1127	1473	4158
40'		NIL		16	-	-	465	260	102	153	10	2592	1952	591	1041	2872
				-	-	-	46	47	6	4	32	762	660	268	216	643

Note: Unless specified, No. of containers are in 20' equivalents units - TEUS

2.2.23 Container Traffic Handled At Major Ports (Type - Wise)

Type	PARADIP	HALDIA	CALCUTTA														
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	
TRANSHIPMENT																	
20'	NIL							110	17	-	6	57	39	-	-	-	
40'								104	17	-	6	57	39	-	-	-	
Stuffed								110	17	-	6	57	39	-	-	-	
20'								104	17	-	6	57	39	-	-	-	
40'								3	-	-	-	-	-	-	-	-	
Empty	NIL																
20'																	
40'																	
TOTAL								22509	22396	8999	7324	6011	57316	48985	57813	73601	96007
20'								21191	21218	8661	6086	4568	42580	36583	37797	53599	64461
40'								659	569	169	618	711	7368	6201	7008	10021	15763
Stuffed								18630	18886	7301	5834	5165	45514	41282	45628	60044	79124
20'								17752	17872	7027	4814	4083	34126	31634	35526	45162	55986
40'								539	509	137	510	541	6694	4824	5451	7441	11569
Empty	NIL							3679	3508	1698	1490	846	11802	7703	11385	13557	16863
20'								3439	3345	1634	1274	506	8454	4949	2271	8397	8495
40'								120	81	32	108	170	1674	1377	1557	2560	4194

Note: Unless specified, No. of containers are in 20' equivalents units - TEUS

2.2.24 Level of Containerisation in the General Cargo
at various Major Ports 1992-93 and 1993-94

Ports	Container Cargo (000 tonnes)			General Cargo (000 tonnes)			Percentage of Container Cargo to General Cargo			
	Export		Import	Total		Total	Export		Import	Total
	1	2	3	4	5	6	7	8	9	10
Kandla	1992-93	254	105	359	987	468	1455	25.7	22.4	24.7
	1993-94	462	268	730	1646	757	2403	28.1	35.4	30.4
Bombay	1992-93	466	2030	2496	1882	3432	5314	24.8	59.1	47.0
	1993-94	1750	3349	5099	2627	4804	7431	56.6	69.7	68.6
J.L.Nehru	1992-93	891	821	1712	891	821	1712	100.0	100.0	100.0
	1993-94	1143	933	2076	1143	933	2076	100.0	100.0	100.0
Mormugao	1992-93	4	1	5	158	7	165	2.5	14.3	3.0
	1993-94	9	2	11	158	15	173	5.7	13.3	6.4
New Mangalore	1992-93	14	1	15	456	196	656	3.1	0.5	2.3
	1993-94	15	neg	15	325	153	478	4.6	-	3.1
Cochin	1992-93	278	38	316	383	309	692	72.6	12.3	45.7
	1993-94	374	49	423	489	253	742	76.5	19.4	57.0
Tuticorin	1992-93	212	65	277	804	369	1173	26.4	17.6	23.6
	1993-94	285	120	405	1071	478	1549	26.6	25.1	26.1
Madras	1992-93	715	536	1251	1303	987	2290	54.9	54.3	54.6
	1993-94	947	629	1576	1641	1150	2791	57.7	54.7	56.5
Vishakapatnam	1992-93	73	12	85	792	106	898	9.2	11.3	9.5
	1993-94	65	16	81	1789	143	1932	3.6	11.2	4.2
Paradip	1992-93	-	-	-	45	40	85	-	-	-
	1993-94	-	-	-	-	30	30	-	-	-
Calcutta	1992-93	592	417	1009	1437	1639	3076	41.2	25.4	32.8
	1993-94	760	638	1398	1719	1579	3298	44.2	40.5	42.4
Haldia	1992-93	60	35	95	107	70	177	56.1	50.0	53.7
	1993-94	55	33	88	199	57	256	27.6	57.9	34.4
TOTAL	1992-93	3559	4061	7620	8247	8446	17693	38.5	48.1	43.1
	1993-94	5865	6038	11903	12607	10352	23159	45.8	58.3	51.4

Note : Includes Transhipment Cargo.

2.2.25 Commodity-wise Break up of Container Cargo as well as General Cargo and level of containerisation at Major Ports

General Cargo (000T)	Level of Containerisation										
	Share of comm- % Share of comm- % Share of comm- % Share of comm- % Share of comm-					percentage of containerisation					
	odities in total odities in total odities in total odities in total odities in total					Cargo to General Cargo					
	Container Cargo	Total General Cargo	Container Cargo	General Cargo	Container Cargo	Col.2	Col.3	Col.4	Col.5	Col.6	Col.7
All Ports											
	1992-93	1993-94	1992-93	1993-94	1992-93	1993-94	1992-93	1993-94	1992-93	1993-94	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	
Exports											
1. Textiles, Cotton, Yarn etc	220	375	333	428	9.2	8.9	5.0	4.5	58.1	87.6	
2. Metal & Metal Products	83	147	287	253	3.5	3.5	4.3	2.7	28.9	58.1	
3. Foodgrains & Other Prod.	36	136	36	136	1.6	3.3	0.6	1.4	100.0	100.0	
4. Tea & Coffee	171	237	250	285	7.1	5.6	3.7	3.0	68.4	83.2	
5. Granite & its other Mat.	113	147	359	608	4.7	3.5	5.4	0.4	31.5	24.2	
6. Fish and other Marine Products.	108	102	116	112	4.5	2.4	1.7	1.2	93.1	91.1	
7. Fodder	18	94	18	94	0.8	2.2	0.3	1.0	100.0	100.0	
8. Fruits & Vegetable.	50	114	278	309	2.0	2.7	4.2	3.2	17.9	36.9	
9. Jute and Jute Products.	102	95	164	208	4.3	2.2	2.7	2.2	55.4	45.7	
10. Spices.	35	65	87	90	1.5	1.5	1.0	0.9	52.2	72.2	
11. Hosiery etc.	6	46	44	73	0.3	1.1	0.7	0.8	13.6	63.0	
12. Machinery/Instruments and Transport equipment	66	129	170	178	2.8	3.0	2.5	1.9	38.8	72.5	
13. Drugs and Medicine	18	34	60	57	0.8	0.8	0.9	0.6	30.0	59.6	
14. Cashew Kernels.	54	69	55	70	2.3	1.6	0.8	0.7	98.2	98.6	
15. Dyes and Colours	16	58	60	80	0.7	1.4	0.9	0.8	28.7	72.5	
16. Cast Iron Goods.	82	96	82	96	3.4	2.3	1.2	1.0	100.0	100.0	
17. Oil fats etc.	42	108	47	116	1.8	2.6	0.7	1.2	89.4	93.1	
18. Chemicals.	84	159	92	182	3.5	3.7	1.4	1.9	91.3	87.4	
19. Others	1086	2019	4167	6158	45.2	47.7	62.0	64.6	26.1	32.8	
Total Exports	2392	4232	6708	9535	100.0	100.0	100.0	100.0	35.7	44.4	
All Major Ports	3558	5865	9247	12807					50.8	45.8	

* Handled at only 7 Major ports of Bombay, Madras, Calcutta, Haldia, Cochin, Tuticorin and Vishakhapatnam. For other ports, commodity-wise break-up of container cargo is not available.

2.2.26 Commodity-wise Break up of Container Cargo as well as General Cargo and level of containerisation at Major Ports

	General Cargo (000T)										Level of Containerisation	
	Container Cargo					% Share of commodities in Total					% of container	
	Total General Cargo					Container Cargo					Cargo to General Cargo	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	Col. 2	Col. 3
All Ports											----- x100	----- x100
											Col. 4	Col. 5
	1992-93	1993-94	1992-93	1993-94	1992-93	1993-94	1992-93	1993-94	1992-93	1993-94		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)		
Imports												
1. Iron & Steel, Metal and Metal products	681	764	1965	1944	21.8	15.8	28.4	23.0	34.7	39.3		
2. Chemicals	298	410	307	491	9.5	8.5	4.4	5.6	97.1	83.5		
3. Paper, Newsprints etc.	219	436	267	497	7.0	9.0	3.9	5.9	82.0	87.7		
4. Foodgrains & other Cereals.	125	224	163	297	4.0	4.6	2.4	3.5	76.7	75.4		
5. Plastic and its products	220	275	281	298	7.0	5.7	4.1	3.5	78.3	92.3		
6. Machinery/Instruments and Transport equip.	111	758	216	241	3.5	3.3	3.1	2.8	51.4	65.5		
7. Textiles, Yarn, Cotton etc.	88	108	97	114	2.8	2.2	1.4	1.3	90.7	94.7		
8. Rubber and its products	69	98	75	106	2.2	2.0	1.1	1.3	92.0	92.4		
9. Oils/fats	12	56	12	56	0.4	1.2	0.2	0.7	100.0	100.0		
10. Wood	24	126	60	155	0.8	2.6	0.9	1.6	40.0	81.3		
11. Others	1283	2176	3469	4264	41.0	45.1	50.1	50.4	37.0	51.0		
Total Imports*	3130	4831	6912	8463	100.0	100.0	100.0	100.0	45.3	57.1		
All Major Ports	4061	6038	8446	10352					48.1	58.3		

* Handled at only 7 Major Ports of Bombay, Madras, Calcutta, Malida Cochin, Tuticorin and Vishakhapatnam. For other Ports, commodity-wise break-up of container cargo is not available.

Port : Bombay

2.2.27 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 Container Cargo		% Share of commodities in Total General Cargo		% of container cargo to General Cargo				
					Container Cargo		General Cargo		Col. 2 Col. 3		Col. 4 Col. 5		
	1	2	3	4	5	6	7	8	9	10	11	x100	x100

Export													

1. Textiles, Cotton, Yarn etc.	32	114	144	159	6.9	6.5	7.7	6.1	22.2	71.7			
2. Metal & Metal products	56	81	226	151	12.0	4.6	12.0	5.7	24.8	53.6			
3. Tea & Coffee	9	14	9	15	1.9	0.8	0.5	0.6	100.0	93.3			
4. Foodgrains and other Cereals.	38	138	38	138	8.2	7.9	2.0	5.3	100.0	100.0			
5. Fish, shrimps and other marine products	5	2	7	3	1.1	0.1	0.4	0.1	71.4	66.7			
6. Fodder	18	94	18	94	3.9	5.4	1.0	3.6	100.0	100.0			
7. Fruits & Vegetables.	5	80	198	250	1.1	4.6	10.5	9.5	7.5	72.0			
8. Spices	8	21	39	43	1.7	1.2	2.1	1.6	20.5	48.8			
9. Hosiery, Hardwares and Millinery.	6	46	44	73	1.3	2.6	2.3	2.8	13.6	63.0			
10. Machinery, Instruments Transport equipments.	20	68	118	111	4.3	3.9	6.3	4.2	16.9	61.3			
11. Drugs and Medicines.	18	34	60	57	3.9	1.9	3.2	2.2	30.0	59.6			
12. Dyes and Colours.	16	58	60	80	3.4	3.3	3.2	3.0	26.7	72.5			
13. Oil seeds, fats etc.	1	64	1	66	0.2	3.7	0.1	2.5	100.0	97.0			
14. Chemicals	36	84	36	97	7.7	4.8	1.9	3.7	100.0	86.6			
15. Others	198	852	884	1290	42.4	46.7	46.8	49.1	22.4	66.0			
Total Export	466	1750	1882	2627	100.0	100.0	100.0	100.0	24.6	77.2			

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

Port : Bombay

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				
	1992-93	1993-94	1992-93	1993-94	1992-93	1993-94	1992-93	1993-94	1992-93	1993-94	Col.2	Col.3	
	2	3	4	5	6	7	8	9	10	11	Col.4	Col.5	
Import													
1. Iron & Steel	184	524	1042	1248	9.1	15.6	30.4	26.0	17.7	42.0			
2. Metal & Metal Products.	373	90	397	146	18.4	2.7	11.6	3.0	94.0	61.6			
3. Chemicals	198	270	198	333	9.8	8.1	5.8	6.9	100.0	81.1			
4. Paper, Newsprints etc.	185	377	185	377	9.1	11.3	5.4	7.9	100.0	100.0			
5. Plastic & its products	149	192	210	215	7.3	5.7	6.1	4.5	71.0	89.3			
6. Machinery/Instrument and Transport equipments.	55	118	116	178	2.7	3.5	3.4	3.7	47.4	66.3			
7. Textiles, cotton, yarn etc.	57	63	64	67	2.8	1.9	1.9	1.4	89.1	94.0			
8. Hair and wool	40	61	45	64	2.0	1.8	1.3	1.3	88.9	95.3			
9. Rubber and its products.	36	62	42	69	1.8	1.9	1.2	1.4	85.7	89.8			
10. Oil, fats etc.	12	56	12	56	0.6	1.7	0.3	1.2	100.0	100.0			
11. Woodpulp.	20	119	20	119	1.0	3.6	0.6	2.5	100.0	100.0			
12. Foodgrains & other cereals.	118	212	118	212	5.8	6.3	3.4	4.4	100.0	100.0			
13. Industrial alcohols & sprits(non-potable)	1	3	17	18	0.0	0.1	0.5	0.4	5.9	16.7			
14. Drugs & Medicine.	5	7	6	11	0.2	0.2	0.2	0.2	83.3	63.6			
15. Fertilizers	6	1	6	1	0.3	neg.	0.2	neg.	100.0	100.0			
16. Fertilizers raw mat.	240	335	240	335	11.8	10.0	7.0	7.0	100.0	100.0			
17. Others	351	859	714	1355	17.3	25.6	20.7	28.2	49.2	63.4			
Total Imports	2030	3349	3432	4804	100.0	100.0	100.0	100.0	59.1	69.7			

Port : Cochin

2.2.27 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		% Share of commodities in Total Container		% Share of commodities in Total General		% of container Cargo to General Cargo				
	Cargo		Cargo		Cargo		Cargo		Col.2	Col.3			
									x100	x100			
									Col.4	Col.5			
	1992-93	1993-94	1992-93	1993-94	1992-93	1993-94	1992-93	1993-94	1992-93	1993-94			
	1	2	3	4	5	6	7	8	9	10	11		
Export													
1. Textiles, Cotton, Yarn etc.	23	22	23	22	8.3	5.9	6.0	4.5	100.0	100.0			
2. Tea & Coffee	60	75	78	91	21.6	20.1	20.4	18.6	76.9	82.4			
3. Fish, shrimps and other mariner products.	56	73	62	81	20.1	19.5	16.2	16.6	90.3	90.1			
4. Spices	27	44	28	47	9.7	11.6	7.3	9.6	96.4	93.6			
5. Cashew kernels	30	34	31	35	10.8	9.1	8.1	7.2	96.8	97.1			
6. Chemicals	9	16	13	21	3.2	4.3	3.4	4.3	69.2	76.2			
7. Coal Products	21	29	23	30	7.6	7.7	6.0	6.1	91.3	96.7			
8. Others.	52	81	125	162	18.7	21.7	32.6	33.1	41.6	50.0			
Total Export	278	374	363	469	100.0	100.0	100.0	100.0	72.6	76.5			

2.2.2/ 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 commodities in Total Container Cargo		% Share of commodities in Total General Cargo		% of container cargo to General Cargo		% of container cargo to General Cargo	
	1992-93	1993-94	1992-93	1993-94	1992-93	1993-94	1992-93	1993-94	1992-93	1993-94	Col.2	Col.3
	2	3	4	5	6	7	8	9	10	11	Col.4	Col.5
1											x100	x100
Import												
1. Iron & Steel Metal & Metal Products.	3	3	3	3	3	6.1	1.0	1.2	100.0	100.0		
2. Chemicals.	1	1	5	4	2.6	2.0	1.6	1.6	20.0	25.0		
3. Paper, Newsprints etc.	1	1	11	12	2.6	2.0	3.6	4.7	9.1	8.3		
4. Machinery	1	4	5	4	2.6	8.2	1.6	1.6	20.0	100.0		
5. Rubber and its products.	9	8	9	8	23.1	16.3	2.9	3.2	100.0	100.0		
6. Cashew nuts	1	-	11	31	2.6	-	3.6	12.2	9.1	-		
7. Other	23	32	265	191	58.8	65.4	85.7	75.5	8.7	16.8		
Total Imports	39	49	309	253	100.0	100.0	100.0	100.0	12.6	19.4		

Port : Tuticorin

2.2.27 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					% Share of commodities in Total Container					% of container cargo to General Cargo			
	Total General Cargo					odities in Total Container					Col.2 Col.3 Col.4 Col.5			
	Cargo					Cargo					----- x100 ----- x100			
	1	2	3	4	5	6	7	8	9	10	11			
Export														
1. Cotton Yarn, etc.	38	42	38	42	42	17.9	14.7	4.7	3.9	100.0	100.0			
2. Tea & Coffee	10	29	19	34	34	4.7	10.2	2.4	3.2	52.6	85.3			
3. Frozen Cargo	11	10	11	10	10	5.2	3.5	1.4	1.0	100.0	100.0			
4. Garnet Sand	14	19	23	32	32	6.6	6.7	2.9	3.0	60.9	59.4			
5. Cashew kernels	24	35	24	35	35	11.3	12.3	3.0	3.2	100.0	100.0			
6. Others.	115	150	689	918	918	54.3	52.6	85.6	65.7	16.7	16.3			
Total Export	212	285	804	1071	1071	100.0	100.0	100.0	100.0	26.4	26.6			
Import														
1. Iron & Steel Metal & Metal Products	-	-	-	-	-	-	-	-	-	-	-			
2. Raw Cashew	17	37	135	168	168	26.2	31.1	36.6	35.2	12.6	22.0			
3. Others	48	82	234	309	309	73.8	68.9	63.4	64.8	20.5	26.5			
Total Imports	65	119	369	477	477	100.0	100.0	100.0	100.0	17.6	24.9			

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

Port : Madras

General Cargo (000T)

Commodities	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		
	1992-93	1993-94	1992-93	1993-94	1992-93	1993-94	1992-93	1993-94	Col.2	Col.3	
1	2	3	4	5	6	7	8	9	----- x100	----- x100	1993-94
Export											
1. Textiles, Cotton Yarn etc.	127	197	128	205	17.9	20.9	9.8	12.5	99.2	96.1	
2. Metal & Metal Products	27	66	61	102	3.8	7.0	4.7	6.2	44.3	64.7	
3. Tea & Coffee	10	8	10	8	1.4	0.8	0.6	0.5	100.0	100.0	
4. Garnite blocks & its other materials	113	147	359	608	15.9	15.6	27.6	37.1	31.5	24.2	
5. Fish, shrimps and other marine products	18	27	18	28	2.5	2.9	1.4	1.7	100.0	96.4	
6. Fruits & Vegetables	45	34	81	59	6.3	3.6	6.2	3.6	55.6	57.6	
7. Machinery/Instruments Transport Equipment	46	61	52	67	6.5	6.5	4.0	4.1	88.5	91.0	
8. Oil seeds, Fats etc.	41	44	46	50	5.8	4.7	3.5	3.0	89.1	88.0	
9. Chemicals	39	59	43	84	5.5	6.2	3.3	3.9	90.7	92.2	
10. Others	245	300	505	450	34.4	31.8	38.7	27.4	48.5	66.7	
Total Exports	711	943	1303	1641	100.0	100.0	100.0	100.0	54.6	57.5	

Note: Transhipment Cargo Excluded.

Port : Madras

2.2.27 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 Container Cargo		% Share of commodities in Total General Cargo		% of container Cargo to General Cargo		Col.2		Col.3	
											Col.4		Col.5	
											x100		x100	
	1	2	3	4	5	6	7	8	9	10	11			
Import														
1. Iron & Steel Metal & Metal Products	60	97	249	312	11.3	15.5	25.2	27.1	24.1	31.1				
2. Chemicals	54	76	59	91	10.1	12.1	6.0	7.9	91.5	83.5				
3. Paper, Paper products etc.	33	58	71	108	6.2	9.3	7.2	9.4	46.5	53.7				
4. Wheat Flour, other cereals & products	7	12	45	85	1.3	1.9	4.6	7.4	15.6	14.1				
5. Plastic & its' products	71	83	71	83	13.3	13.3	7.2	7.2	100.0	100.0				
6. Machinery/Instruments and Transport Equipments	55	36	95	59	10.3	5.7	9.6	5.1	57.9	61.0				
7. Textiles, cotton, Hair and wool etc.	31	45	33	47	5.8	7.2	3.3	4.1	93.9	95.7				
8. Rubber and its' products	24	28	24	29	4.5	4.5	2.4	2.5	100.0	96.6				
9. Wood Pulp	4	7	40	36	0.8	1.1	4.1	3.1	10.0	19.4				
10. Drugs & Medicines	12	6	12	6	2.3	1.0	1.2	0.5	100.0	100.0				
11. Plantation commodities	10	9	11	13	1.9	1.4	1.1	1.2	90.9	69.2				
12. Others	172	169	277	281	32.2	27.0	28.1	24.5	62.1	60.1				
Total Imports	533	626	987	1150	100.0	100.0	100.0	100.0	54.0	54.4				

Note : Transhipment cargo excluded.

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

Port : Vishakhapatnam

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	
	1992-93	1993-94	1992-93	1993-94	1992-93	1993-94	1992-93	1993-94	Col.2 x100	Col.3 x100
1	2	3	4	5	6	7	8	9	10	11
Export										
1. Shrimps/Reefer Cargo	18	21	18	21	24.7	32.3	2.3	1.2	100.0	100.0
2. Alumina Ingots	41	31	49	44	56.2	47.7	6.2	2.4	83.7	70.4
3. Others	14	13	725	1724	19.1	20.0	91.5	96.4	1.9	0.8
Total Exports	73	65	792	1789	100.0	100.0	100.0	100.0	9.2	3.6
Import										
Total Imports	12	16	106	143	100.0	100.0	100.0	100.0	11.3	11.2

Port : Calcutta

2.2.27 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										% of container					
	Total General										Cargo to General Cargo					
	Cargo										Cargo		Col.4		Col.5	
													x100		x100	

Cargo Cargo
Col.4 Col.5

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

Port : Haldia

Commodities	General Cargo (000T)											Level of Containerisation	
	Container Cargo		Total General Cargo		% Share of comm- odities in Total Container Cargo		% Share of comm- odities in Total General Cargo		Cargo to General Cargo		% of container		
									Col.2		Col.3		
									----- x100		----- x100		
	1992-93	1993-94	1992-93	1993-94	1992-93	1993-94	1992-93	1993-94	1992-93	1993-94	1992-93	1993-94	
1	2	3	4	5	6	7	8	9	10	11			
Export													
1. Tea & Coffee	33	29	33	29	55.0	52.7	30.8	14.6	100.0	100.0			
2. Jute & Jute Products	4	8	4	11	6.7	14.6	3.7	5.5	100.0	72.7			
3. Cast Iron goods	1	1	1	1	1.7	1.8	0.9	0.5	100.0	100.0			
4. Mica	4	5	4	5	6.7	9.1	3.7	2.5	100.0	100.0			
5. Others	18	12	65	153	29.9	21.8	60.9	76.9	27.7	7.8			
Total Export	60	55	107	199	100.0	100.0	100.0	100.0	56.1	27.6			
Import													
1. Iron & Steel, Metal & its Products	18	21	37	22	51.4	53.6	52.9	38.6	48.6	95.5			
2. Chemicals	2	-	2	-	5.7	-	2.9	-	100.0	-			
3. Machinery	-	-	-	-	-	-	-	-	-	-			
4. Others	15	12	31	35	42.9	36.4	44.2	61.4	48.4	34.3			
Total Import	35	33	70	57	100.0	100.0	100.0	100.0	50.0	57.9			

2.3.1 Passenger Traffic At Major Ports In India

(In '000)

Port/Year	Overseas			Coastal			Total		
	Emarked	Disembarked	Total	Emarked	Disembarked	Total	Emarked	Disembarked	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
KANDLA									
1960-61	(a)	(a)	(a)	80.3	60.4	140.7	80.3	60.4	140.7
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
1980-89	No Traffic								
1989-90	No Traffic								
1990-91	No Traffic								
1991-92	No Traffic								
1992-93	No Traffic								
1993-94	No Traffic								
BOMBAY									
1960-61	88.1	91.8	179.9	382.7	365.5	748.2	470.8	457.3	928.1
1965-66	87.8	75.9	163.7	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	121.8	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	8.1	17.8	0.0	0.0	0.0	8.7	9.1	17.8
1990-91	5.8	9.1	14.9	0.0	0.0	0.0	5.8	9.1	14.9
1991-92	6.9	7.3	14.2	0.0	0.0	0.0	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
JAMSHEDPUR									
1989-90	No Traffic								
1990-91	No Traffic								
1991-92	No Traffic								
1992-93	No Traffic								
1993-94	No Traffic								

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)
MORMUGAO									
1960-61	(a)	(a)	(a)	4.3	4.3	8.6	4.3	4.3	8.6
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	-	-	-
NEW MANGALORE									
1975-76	-	-	-	0.3	0.3	0.6	0.3	0.3	0.6
1988-89	-	-	-	-	No	Traffic	-	-	-
1989-90	-	-	-	-	No	Traffic	-	-	-
1990-91	-	-	-	-	No	Traffic	-	-	-
1991-92	-	-	-	-	No	Traffic	-	-	-
1992-93	-	-	-	-	No	Traffic	-	-	-
1993-94	-	-	-	-	No	Traffic	-	-	-
COCHIN									
1960-61	1.9	0.6	2.5	0.6	0.8	1.4	2.5	1.4	3.9
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

2.3.1 Passenger Traffic At Major Ports In India

(In '000)

Port/Year	Overseas		Coastal		Total				
	Embarcked	Disembarcked	Total	Embarcked	Disembarcked	Total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
MADRAS									
1960-61	26.2	32.9	59.1	3.7	2.5	6.2	29.9	35.4	65.3
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	16.2	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	77.0	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
VISAKHAPATNAM									
1965-66	-	9.6	9.6	-	-	-	-	9.6	9.6
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

2.4.1 Number And Size of Ships Sailed

(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	1987-88	92	911	216	1840	98	1240	529	12796	-	-	1	19	936	16806
	1988-89	103	950	139	1666	102	1253	515	12362	-	-	3	30	862	16261
	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	276	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	
Bombay	1987-88	482	4664	744	5798	111	1446	678	14190	22	701	4	56	2041	26855
	1988-89	516	4517	722	5108	152	1651	675	15316	-	-	-	-	2065	26592
	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	26	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	1989-90	84	...	-	-	12	...	-	-	-	-	3	...	99	...
	1990-91	99	...	-	-	54	...	-	-	-	-	17	...	170	...
	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
	1987-88	-	-	30	207	197	7125	199	3080	-	-	-	-	426	10412
Mormugao	1988-89	6	-	31	219	236	8192	212	3184	1	37	-	-	486	11632
	1989-90	3	40	29	284	182	7183	181	2856	5	226	-	-	401	10589
	1990-91	-	-	21	262	177	7642	237	3745	2	76	-	-	437	11725
	1991-92	-	-	16	184	178	7101	267	4261	-	-	-	-	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

* Includes Naval and other ships.

2.4.1 Number And Size of Ships Sailed

(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	
N. Mangalore	1987-88	24	110	175	1458	121	2662	106	1194	-	-	-	-	-	-	-	-	-	426	5424		
	1988-89	18	53	136	1152	147	3333	131	1734	-	-	-	-	-	-	-	-	-	432	6272		
	1989-90	12	35	116	322	161	3688	111	1478	-	-	-	-	-	-	-	-	-	400	5523		
	1990-91	11	32	135	1076	176	4051	135	1751	-	-	-	-	-	-	-	-	-	457	6910		
	1991-92	18	66	136	1161	189	4301	149	1973	-	-	-	-	-	-	-	-	-	492	7501		
	1992-93	18	53	143	1215	150	3700	142	1997	-	-	-	-	-	-	-	-	-	453	6965		
	1993-94	20	59	114	967	174	4573	174	2359	-	-	-	-	-	-	-	-	-	482	7958		
Cochin	1987-88	172	1529	183	1317	32	504	243	5901	2	57	-	-	-	-	-	-	-	632	9308		
	1988-89	195	1345	160	1280	28	570	277	6809	3	86	-	-	-	-	-	-	-	663	10090		
	1989-90	258	1496	160	1500	26	498	233	5911	4	115	-	-	-	-	-	-	-	681	9520		
	1990-91	287	1339	154	1455	31	493	249	6231	7	206	-	-	-	-	-	-	-	728	9724		
	1991-92	250	1325	100	984	33	474	277	6883	10	295	-	-	-	-	-	-	-	670	9961		
	1992-93	227	1050	90	753	33	541	289	7422	3	86	-	-	-	-	-	-	-	642	9852		
	1993-94	267	1469	90	675	31	356	263	6612	5	115	-	-	-	-	-	-	-	656	9427		
Tuticorin	1987-88	85	545	144	608	144	3095	91	1239	-	-	-	-	-	-	-	-	-	464	5487		
	1988-89	81	535	145	576	173	3584	118	1644	2	57	-	-	-	-	-	-	-	519	5396		
	1989-90	138	670	225	871	168	3534	102	1424	5	142	-	-	-	-	-	-	-	638	6641		
	1990-91	193	680	226	850	180	3167	111	1383	-	-	-	-	-	-	-	-	-	692	6080		
	1991-92	167	590	224	1027	163	3446	141	1845	-	-	-	-	-	-	-	-	-	695	6908		
	1992-93	145	561	300	1080	174	3687	129	1808	-	-	-	-	-	-	-	-	-	748	7136		
	1993-94	171	734	336	1052	193	4371	104	1391	2	72	-	-	-	-	-	-	-	806	7620		
Madras	1987-88	474	3667	249	1935	213	5827	463	11161	12	348	-	-	-	-	-	-	-	1411	23138		
	1988-89	361	3321	261	1752	249	7176	484	10955	11	314	-	-	-	-	-	-	-	1386	23520		
	1989-90	476	3726	276	2127	263	8971	437	10955	14	419	-	-	-	-	-	-	-	1486	35198		
	1990-91	419	3726	285	1766	313	7967	484	10789	12	348	-	-	-	-	-	-	-	1513	24596		
	1991-92	372	2779	222	1428	321	8299	481	10944	20	598	-	-	-	-	-	-	-	1416	24048		
	1992-93	322	2276	226	1724	364	9151	480	11344	16	685	-	-	-	-	-	-	-	1408	25182		
	1993-94	306	2543	232	1718	358	8482	460	11225	14	400	-	-	-	-	-	-	-	1370	24368		

2.4.1 Number And Size of Ships Sailed

(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	1987-88	14	109	105	888	199	6306	256	5724	6	229	-	-	582	13256
	1988-89	3	32	80	895	313	9796	295	7895	8	172	-	-	699	18790
	1989-90	17	103	107	794	357	9715	298	6975	9	267	-	-	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	1992-93	49	302	108	956	426	10063	353	8420	15	434	-	-	951	20175
	1993-94	50	334	186	1805	426	10421	370	9256	11	314	-	-	1043	22130
Paradip	1987-88	-	-	19	115	180	3786	38	619	9	257	-	-	246	4777
	1988-89	-	-	42	341	186	3860	45	714	7	200	-	-	280	5115
	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	84	990	10	295	-	-	329	6593
1992-93	1992-93	-	-	14	106	263	5690	71	1222	15	428	-	-	363	7646
	1993-94	-	-	5	47	293	6216	89	1556	15	428	-	-	402	8247
Calcutta	1987-88	162	627	545	3831	69	571	157	1540	-	-	-	-	933	6569
	1988-89	164	905	462	3004	68	585	143	1468	-	-	-	-	837	5962
	1989-90	140	863	441	2936	57	506	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	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
Haldia	1987-88	77	490	24	236	141	3365	307	7146	12	343	-	-	561	11580
	1988-89	67	460	23	203	172	4040	330	7745	11	314	-	-	603	12762
	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	1992-93	49	402	19	194	229	5462	412	9468	-	-	-	-	709	15526
	1993-94	57	463	35	375	236	5925	394	9693	-	-	-	-	722	16456

2.4.1 Number And Size of Ships Sailed

(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	
All Ports	1987-88	1558	12742	2259	16802	1384	33255	2961	63402	64	1935	5	75	8231
	1988-89	1596	12205	2055	15043	1689	39709	3094	68056	32	1180	3	30	8479
	1989-90	1814	12995	2188	15302	1732	41954	2890	72922	86	2653	12	243	8724
	1990-91	1832	12421	2157	15309	1746	40937	3082	67859	77	2355	25	226	8919
	1991-92	1776	11912	1945	14152	1801	41856	3337	73270	109	2950	58	186	9026
	1992-93	2006	16108	2115	15314	2305	51464	3646	80489	84	2711	58	1588	10214
	1993-94	2157	19356	2239	16154	2435	53980	3710	83531	93	2789	78	2316	10712

2.5.1 Port-Wise Commodity-Wise Capacity

(In Million Tonnes)

Commodities	Calcutta	Haldia	Paradip	Visakhapatnam	Madras	Tuticorin	Cochin	New Mangalore	Morva	Bombay	Kandla	J. L. Nehru	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
POL													
As on 31.3.93	2.40	8.50	-	11.50	8.50	1.10	8.50	1.00	1.50	18.00	17.00	-	78.00
As on 31.3.94	2.40	8.50	-	11.50	8.50	1.10	8.50	1.00	1.50	18.00	17.00	-	78.00
As on 31.3.95	2.40	8.50	-	11.50	8.50	1.10	8.50	1.00	1.50	18.00	17.00	-	78.00
Iron Ore													
As on 31.3.93	-	-	4.00	8.00	8.00	-	-	7.50	14.00	-	-	-	41.50
As on 31.3.94	-	-	4.00	8.00	8.00	-	-	7.50	14.00	-	-	-	41.50
As on 31.3.95	-	-	4.00	8.00	8.00	-	-	7.50	14.00	-	-	-	41.50
Coal													
As on 31.3.93	-	5.00	-	-	-	2.00	-	-	-	-	-	-	7.00
As on 31.3.94	-	5.00	-	-	-	3.00	-	-	-	-	-	-	8.00
As on 31.3.95	-	5.00	-	-	-	3.00	-	-	-	-	-	-	8.00
Fertilisers													
As on 31.3.93	-	1.80	2.00	0.35	-	-	0.40	-	-	-	0.50	2.90	7.95
As on 31.3.94	-	1.80	2.00	0.35	-	-	0.40	-	-	-	0.50	2.90	7.95
As on 31.3.95	-	1.80	2.00	0.35	-	-	0.40	-	-	-	0.50	2.90	7.95
Break-Bulk Cargo													
As on 31.3.93	2.80	1.18	1.65	3.20	3.65	2.00	1.40	1.05	0.42	7.55	3.30	-	28.20
As on 31.3.94	2.80	1.30	1.65	3.50	3.65	2.00	1.40	1.05	0.42	7.55	3.30	-	28.62
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
Container													
As on 31.3.93	1.58	0.30	-	-	1.92	-	0.36	-	-	1.25	-	3.00	6.38
As on 31.3.94	1.55	0.30	-	-	1.92	-	0.50	-	-	1.25	-	3.00	6.52
As on 31.3.95	1.55	0.30	-	-	1.92	-	0.96	-	-	1.25	-	3.00	6.98
TOTAL													
As on 31.3.93	6.75	16.78	7.65	23.05	22.07	5.10	10.66	9.55	15.92	26.80	20.80	5.90	171.03
As on 31.3.94	6.75	16.90	7.65	23.35	22.07	6.10	10.80	9.55	15.92	26.80	20.80	5.90	172.59
As on 31.3.95	6.75	17.03	7.65	23.35	22.07	6.10	11.26	10.00	16.30	26.80	20.80	5.90	174.01

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						
1993-94	865	1597	3638	2441	1993	10608
1992-93	816	1517	3554	2349	1940	10130
2. Av. pre-berthing waiting time(days)						
1993-94	2.5	2.6	1.9	2.0	1.3	1.9
1992-93	3.0	3.7	1.8	1.9	0.8	2.0
3. Av. turn round time (days)						
1993-94	7.2	10.1	3.5	9.4	4.5	6.3
1992-93	9.2	12.8	3.6	9.1	3.3	6.7
4. Percentage of idle time at berth to time at working berth						
1993-94	34	30	36	44	35	37
1992-93	35	32	37	44	33	38
5. Output per ship berth day (tonnes)						
1993-94	11164	2601	13028	646	1908	3892
1992-93	8156	2200	12513	545	1812	3575

Source:- Major Ports.

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

2.6.2 Selected Port Performance Indicators - By Port

Item	Kandla	Bombay	Mormu- gao	New Man- galore	Cochin	Tuticorin	Madras	Vishaka- patnam	Paradip	Malda	Calcutta	J.L. Nehru	All Ports
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1. No. of vessels sailed													
1993-94	1241	2210	637	482	625	806	1362	1044	329	717	736	419	10608
1992-93	1045	2151	553	453	624	748	1405	949	315	707	764	416	10130
2. Av. pre-berthing waiting time(days)													
1993-94	3.3	2.6	2.4	1.9	0.9	2.0	1.9	1.2	1.0	1.6	1.0	0.8	1.9
1992-93	3.9	2.4	3.2	1.4	1.0	1.2	1.9	1.6	1.4	2.0	0.8	1.8	2.0
3. Av. turn round time (days)													
1993-94	7.3	6.2	6.0	5.2	4.2	5.8	6.9	6.0	5.8	5.7	9.3	4.2	6.3
1992-93	8.5	6.1	6.8	6.4	4.4	5.1	6.7	7.2	6.1	6.7	10.0	4.6	6.7
4. % of idle time at berth to time at working berth													
1993-94	20	39	32	48	51	42	46	26	26	43	46	46	37
1992-93	22	41	30	47	47	30	44	32	27	42	46	15	38
5. Output per ship berth day (tonnes)													
1993-94	5505	2720	8346	5568	3670	2238	4294	5688	5263	6335	928	2800	3892
1992-93	5282	2692	8217	3288	3886	2161	4321	5240	5134	5336	786	2691	3575

Source: Major Ports.

2.6.3 Number of Vessels Sailed by Type and Port.

Port	Container		Break Bulk		(Mech.Operation)		Dry Bulk		(Conv.Operation)		Liquid Bulk		All Types	
	92-93	93-94	92-93	93-94	92-93	93-94	92-93	93-94	92-93	93-94	92-93	93-94	92-93	93-94
Calcutta	135	204	378	315	-	-	-	-	39	19	216	201	764	736
Haldia	49	57	19	35	139	147	123	109	412	394	707	717	315	329
Paradip	-	-	12	5	31	36	232	257	351	371	949	1044	1405	1362
Vishakhapatnam	49	49	122	199	93	96	334	329	452	421	1405	1362	748	806
Madras	259	253	330	330	49	47	315	311	279	261	624	525	453	482
Tuticorin	145	171	300	338	86	108	88	85	128	104	748	806	553	637
Cochin	224	263	90	74	16	19	15	8	242	255	416	419	2151	2210
New Mangalore	16	20	144	115	150	173	-	-	141	174	453	482	1045	1241
Mormugao	11	22	20	27	165	183	116	155	2	-	416	419	3638	10608
J.L.Nehru	319	301	56	75	39	37	-	6	-	-	-	-	-	-
Bombay	652	653	668	645	-	-	152	129	879	783	2151	2210	1045	1241
Kandla	79	107	210	283	42	19	103	189	3554	3638	10130	10608	-	-
All Ports	1940	1993	2349	2441	810	865	1517	1597	3554	3638	10130	10608	-	-

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

(a) Vessels with dry Bulk as import cargo and Break Bulk as export Cargo have been counted once.

(b) Vehicles Carrier. (c) Includes Conventional also.

(d) 3 Vessels worked both as Break bulk and container. One vessel worked both at Dry bulk and Break bulk.

Twenty Dry bulk vessels worked both in Mechanical and Conventional methods.

(e) 33 Dry bulk vessels worked both in Mechanical and Conventional methods. One vessel worked both as Break bulk and Container. One vessel worked both as Dry bulk and Break bulk.

* Includes 14 lash vessels also.

** Includes 16 lash vessels also.

§ Five vessels are double counted.

+ one vessel is double counted.

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	
	92-93	93-94	92-93	93-94	92-93	93-94	92-93	93-94	92-93	93-94	92-93	93-94
Calcutta	0.7	0.8	1.1	1.0	-	-	2.0	3.5	0.6	1.0	0.9	1.0
Haldira	0.2	0.2	2.6	1.6	1.0	0.7	2.5	2.3	2.2	1.9	2.0	1.6
Paradip	-	-	1.3	0.5	0.7	1.4	1.6	1.1	0.4	0.3	1.4	1.0
Vishakhapatnam	0.3	0.2	1.7	1.5	1.4	0.4	3.1	2.4	0.9	0.5	1.8	1.2
Madras	0.4	2.4	1.9	1.6	0.7	2.3	3.4	1.7	2.0	2.0	1.9	1.9
Tuticorin	0.5	0.8	1.6	2.9	0.8	1.5	2.1	3.1	0.5	0.7	1.2	2.0
Cochin	0.4	0.5	0.4	1.1	1.8	0.7	1.7	0.3	1.6	1.3	1.0	0.9
New Mangalore	0.2	0.2	0.8	0.3	2.8 \$	4.6 \$	-	-	0.5	0.5	1.4	1.9
Mormugao	0.1	veg.	1.3	1.9	3.5	3.2	3.8	1.4	2.9	2.6	3.2	2.4
J.L.Nehru	0.4	0.5	0.4 @	0.3 @	14.4	3.9 \$	-	-	5.0	-	1.8	0.6
Bombay *	1.4	1.7	2.0	2.2	-	-	8.4	6.4	2.5	3.0	2.4	2.6
Kandla	2.1	1.2	5.7	4.7	10.0	7.6	8.0	4.8	2.4	2.5	3.9	3.3
All Ports	0.8	1.3	1.9	2.0	3.0	2.5	3.7	2.6	1.8	1.9	2.0	1.9

@ Vehicles Carrier.

* Excluding vessels handled in Stream.

\$ Includes Conventional also.

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	
	92-93	93-94	92-93	93-94	92-93	93-94	92-93	93-94	92-93	93-94	92-93	93-94
Calcutta	7.3	6.0	13.4	13.7	-	-	16.7	16.9	4.4	5.0	10.0	9.3
Haldia	2.6	2.0	12.3	11.3	5.6	4.3	14.7	12.8	4.3	4.0	8.7	5.7
Paradip	-	-	6.6	1.9	3.2	3.8	7.2	6.6	1.7	2.3	8.1	5.8
Vishakhapatnam	1.9	1.8	9.2	8.4	8.6	4.7	11.7	9.4	3.2	2.5	7.2	6.0
Madras	2.4	6.4	8.5	8.8	3.5	6.5	13.2	10.2	3.9	3.7	6.7	6.9
Tuticorin	2.1	2.7	8.1	7.6	4.3	4.6	11.4	10.4	2.1	2.2	5.1	5.8
Cochin	2.9	3.5	4.5	6.7	17.0	11.4	31.5	17.3	3.2	3.3	4.4	4.2
New Mangalore	1.9	1.6	8.5	7.4	9.2	8.3	-	-	1.7	1.6	6.4	5.2
Mormugao	0.5	0.5	13.0	11.8	6.9	7.6	11.2	7.0	4.3	3.9	6.8	6.0
J.L.Nehru	2.7	3.0	0.8	0.9	24.7	18.7	-	-	6.1	-	4.6	4.2
Bombay	3.6	4.8	9.1	10.1	-	-	16.8	13.5	3.2	3.1	6.1	6.2
Kandla	4.8	4.2	11.7	10.1	39.2	21.8	17.9	13.7	4.2	4.3	8.5	7.3
All Ports	3.3	4.5	9.1	9.4	9.2	7.2	12.8	10.1	3.8	3.5	6.7	6.3

\$ Includes - Conventional also.
 @ Vehicles Carrier.

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	
	92-93	93-94	92-93	93-94	92-93	93-94	92-93	93-94	92-93	93-94	92-93	93-94
Calcutta	29	27	48	49	-	-	52	46	48	49	46	46
Haldia	45	56	45	42	62	60	35	38	40	42	42	43
Paradip	-	-	18	17	56	52	26	26	...	...	27	28
Vishakhapatnam	22	21	32	27	45	34	29	22	37	35	32	26
Madras	52	57	54	51	50	59	39	40	36	34	44	46
Tuticorin	29	36	37	48	13	20	21	39	40	38	30	42
Cochin	51	55	53	66	73	53	40	38	32	33	47	51
New Mangalore	60	52	49	56	43 \$	43 \$	-	-	33	36	47	48
Mormugao	43	39	37	29	29	30	27	30	37	42	30	32
J.L.Nehru	16	36	8	8	6	55 \$	-	-	-	-	15	46
Bombay	31	29	47	46	-	-	38	33	38	36	41	39
Kandla	16	14	15	16	23	15	14	15	35	34	22	20
All Ports	33	35	44	44	35	34	32	30	37	36	38	37

\$ Includes Conventional also.
@ Vehicles Carrier.

2.6.7 Output Per Ship Berthday - By Type And Port.

(Tonnes)

Port	Container		Break	Bulk		Dry Bulk (Mech.)		Dry Bulk (conv.)		Liquid		All Types	
	92-93	93-94	92-93	93-94	92-93	93-94	92-93	93-94	92-93	93-94	92-93	93-94	92-93
Calcutta	1489	1962	425	443	-	-	504	782	2992	2834	786	928	
Haldia	1307	1847	577	678	7442	10910	1915	2385	13979	14450	5336	6335	
Paradip	-	-	794	857	18189	18081	4385	4370	10020	8423	5134	5263	
Vishakhapatnam	1182	1073	1019	1431	13122	15797	3327	3927	12546	14570	5240	5688	
Madras	2548	1753	556	625	36208	23498	2886	3017	15234	17497	4321	4294	
Tuticorin	1269	1315	620	639	8462	8528	1890	2664	5298	5003	2161	2238	
Cochin	833	773	506	416	1723	1905	780	539	13227	13525	3886	3870	
New Mangalore	504	611	600	598	6232 \$	11753 \$	-	-	5378	5378	3258	5568	
Mormugao	1191	1030	615	725	23367	18742	1344	1468	6267	7327	8217	8346	
J.L.Nehru	2664	2890	984 \$	1238 \$	2915	2799 \$	-	-	731	-	2691	2800	
Bombay	1861	2058	492	535	-	-	905	885	13706	13798	2692	2720	
Kandla	1797	2406	967	1188	1132	1428	1271	1327	19896	20125	5282	6502	
All Ports	1812	1908	545	646	8156	11184	2200	2801	12513	13028	3575	3892	

\$ Includes Conventional also.

\$ Vehicles Carrier.

2.6.8 Average Berth Occupancy At Major Ports
(Percentage)

Port	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
KANDLA	80.0	84.0	86.0	88.5	89.8	89.1	90.5
BOMBAY	73.5	81.0	81.6	77.0	62.6	71.2	72.4
J.L. NEHRU	...	...	...	...	...	65.8	71.7
MORMUGAO	43.0	62.0	69.0	66.0	67.0	83.8	80.7
NEW MANGALORE	77.8	83.7	169.0	55.9	57.3	64.9	49.6
COCHIN	41.7	47.8	52.3	49.7	45.3	53.2	49.7
TUTICORIN	52.3	63.5	73.3	72.6	76.1	84.5	85.1
MADRAS	79.1	84.7	86.2	86.6	79.0	78.8	80.4
VISAKHAPATNAM	52.1	56.9	63.3	77.9	81.9	91.0	87.5
PARADIP	51.2	64.2	70.2	68.5	60.6	68.6	69.9
HALDIA	57.8	67.6	67.4	69.1	63.2	73.5	63.7
CALCUTTA	67.3	58.2	59.9	56.9	53.8	52.3	48.5

2.6.9 Utilisation Of Cargo Handling Equipment

Port/Year	Mech. System		Utilisation of General Cargo Mandling :Equipment (Average no. of hours :worked per month per equipment.)			
	Tonnes : Commo- per : dity :worked : : day :	3-10 : Above 10 : : Tonnes : Tonnes :	(4)	(5)	(6)	(7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
KANDLA						
Norms (1983)	2300 Fertiliser		300	300	250	300
Performance						
1982-83	2444	"	281	-	91	91
1983-84	2198	"	317	-	64	135
1984-85	1653	"	245	-	142	177
1985-86	1803	"	235	-	112	16
1986-87	1946	"	181	-	49	162
1987-88	2057	"	210	-	38	175
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
BOMBAY						
Norms (1983)	-		300	300	250	300
Performance						
1982-83	-		193	57	170	185
1983-84	-		187	14	190	177
1984-85	-		163	7	170	176
1985-86	-		166	25	179	209
1986-87	-		151	5	173	212
1987-88	-		131	24	176	259
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

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		Cranes : Lifts	
	Tonnes : per 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	36784	"	154	-	77	34		
1982-83	43085	"	187	-	172	44		
1983-84	32946	"	255	-	200	45		
1984-85	33268	"	196	-	44	66		
1985-86	36025	"	164	-	55	58		
1986-87	45092	"	113	-	29	77		
1987-88	41065	"	186	-	79	96		
1988-89	38964	"	162	-	126	132		
1989-90	43544	"	93	-	51	50		
1990-91	53133	"	174	-	69	33		
1991-92	47647	"	280	-	86	82		
1992-93	47939	"	246	-	108	114		
1993-94	37992	"	140	-	128	111		
1994-95								
NEW MANGALORE								
Norms (1983)	29700	"	300	300	250	300		
Performance	27357	"	43	-	59	18		
1982-83	28187	"	76	-	85	27		
1983-84	41228	"	28	-	78	27		
1984-85	28948	"	33	-	47	25		
1985-86	15944	"	9	-	49	23		
1986-87	17362	"	24	-	29	46		
1987-88	18434	"	10	-	26	35		
1988-89	19476	"	25	-	18	27		
1989-90	24774	"	18	-	22	28		
1990-91	24909	"	31	-	20	23		
1991-92	26035	"	19	-	24	22		
1992-93	27195	"	48	-	21	30		
1993-94	21479	"		-	14	48		
1994-95								

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 : Cranes : Lifts	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
COCHIN						
Norms (1983)	-	-	200	200	167	200
Performance	-	-	128	-	145	154
1982-83	-	-	131	-	125	164
1983-84	-	-	126	-	116	141
1984-85	-	-	93	-	162	150
1985-86	-	-	81	-	131	120
1986-87	-	-	68	-	158	122
1987-88	-	-	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	-	-	-	-	-	-
TUTICORIN						
Norms (1983)	-	-	300	300	250	300
Performance	-	-	84	-	51	38
1982-83	-	-	71	-	43	41
1983-84	-	-	44	-	42	31
1984-85	-	-	63	-	18	37
1985-86	-	-	43	-	21	25
1986-87	-	-	57	-	25	36
1987-88	-	-	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	-	-	-	-	-	-

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)	
MADRAS							
Norms (1983)	37000	Iron Ore	300	300	250	300	
Performance	33889	"	451	*	292	308	
1982-83	41682	"	366	*	244	285	
1983-84	38156	"	338	*	285	298	
1984-85	39787	"	297	*	225	296	
1985-86	45826	"	295	*	262	281	
1986-87	44280	"	413	*	339	336	
1987-88	47910	"	435	*	322	336	
1988-89	56572	"	434	400	336	307	
1989-90	46299	"	404	358	350	309	
1990-91	44115	"	277	269	254	270	
1991-92	40942	"	250	243	241	238	
1992-93	25530	"	246	214	223	224	
1993-94	45605	"	222	231	206	214	
1994-95							
VISAKHAPATNAM							
Norms (1983)	50000	Iron Ore	300	300	250	300	
Performance	59596	"	172	-	210	88	
1982-83	36899	"	200	-	230	222	
1983-84	31438	"	78	-	359	228	
1984-85	22325	"	254	-	275	209	
1985-86	32878	"	192	-	166	125	
1986-87	35139	"	124	-	170	154	
1987-88	41833	"	162	-	105	127	
1988-89	42393	"	188	-	174	134	
1989-90	33515	"	168	-	146	130	
1990-91	28964	"	187	-	85	134	
1991-92	26790	"	313	-	107	233	
1992-93	39798	"	291	50	101	158	
1993-94	40765	"	268	87	141	201	
1994-95							

* Relates to vessels of capacity more than 35000 DWT.
 † Included in 3-10 Tonnes.
 ‡ 3 to 50 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.)		Elect. Wharf Cranes: Mobile : Fork		Cranes : Lifts	
	Tonnes : Commo- per : dity worked : day :	(3)	(4)	(5)	(6)	(7)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)		
PARADIP								
Norms (1983)	18700	Iron Ore	300	300	250	300		
Performance								
1982-83	12357	"	*	95	108	121		
1983-84	12762	"	*	123	132	171		
1984-85	13130	"	*	91	104	71		
1985-86	11279	"	*	188	80	119		
1986-87	12981	"	*	98	72	73		
1987-88	17044	"	*	100	100	35		
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 *	23014	"	*	155	29	45		
CALCUTTA								
Norms (1983)	2000	Coal	300	300	250	300		
Performance								
1982-83	3518	"	2400	123	314	297		
1983-84	2780	"	2130	88	304	253		
1984-85	3517	"	1920	177	229	194		
1985-86	-	"	2410	104	326	251		
1986-87	-	"	2410	108	264	226		
1987-88	-	"	2140	125	248	261		
1988-89	-	"	2190	125	219	240		
1989-90	-	"	2210	258	207	245		
1990-91	-	"	1700	260	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		

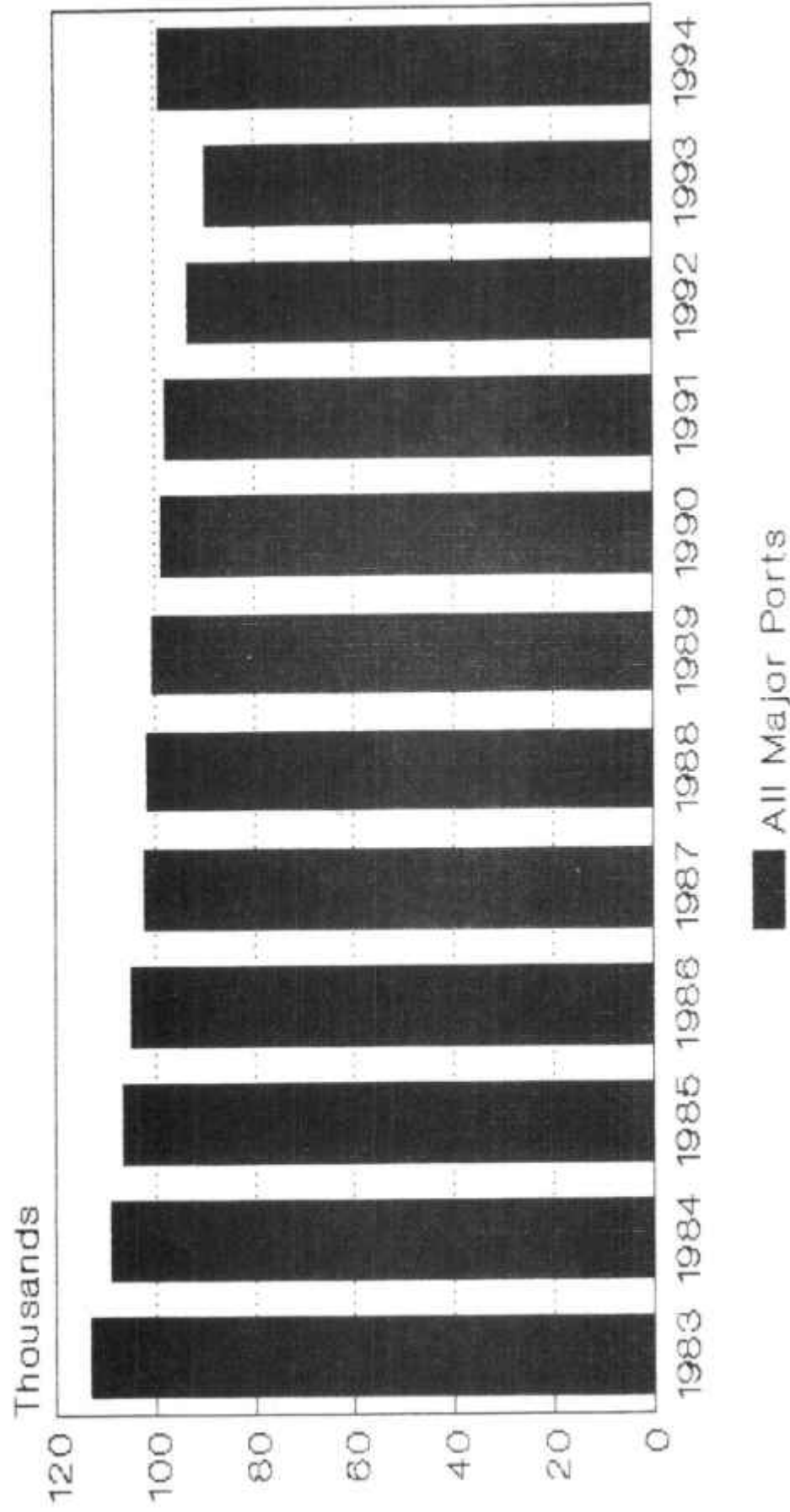
* There are no 3-10 tonnes crane.

@ 2-10 Tonnes.

* Data relates of the period from April'94 to Feb.-95.

EMPLOYMENT AT MAJOR PORTS

(As on 31st December)



2.7.1 Employment At Ports - By Ports As On 31st December

(In Numbers)												
PORT	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Kandla	4171	4702	4499	4713	4503	4537	4633	4603	4976	4927	4677	4740
Bombay	34365	31830	31026	30736	30939	30987	30319	29349	28199	27327	25063	34696
J.L.Nehru	-	-	-	-	-	-	-	1137	1187	1366	1507	1513
Mormugao	3556	3889	3855	3791	3681	3683	3646	3614	3582	3668	3257	3612
New Mangalore	1224	1304	1273	1285	1304	1314	1312	1328	1330	1337	2401	2311
Cochin	6405	6664	6010	6047	5950	5967	5868	5781	5533	5546	5546	5502
Tuticorin	2249	2361	2253	2286	2298	2286	2284	2270	2268	2250	2054	1998
Madras	12028	11892	11685	12128	11492	11469	11489	11346	11361	10318	10271	10357
Visakhapatnam	11894	11701	11075	11950	11066	11013	10986	10848	11314	10227	10082	9772
Paradip	5592	5530	5495	4803	5390	5590	5388	4841	4811	4834	4986	5241
Calcutta/ Haldia	31498	29008	29066	27180	25619	24873	24658	23643	23394	21292	19808	19296
ALL MAJOR PORTS	112982	108881	106437	104919	102244	101719	100583	98760	97855	93112	89662	99038

Note : Number of officers in class I & II Posts have not been included

2.7.2 Number Of Dock Workers Registered With DLB'S Of Major Ports As On 31st December

		(In Numbers)											
PORT	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	
KANDLA	822	835	836	833	863	871	869	875	913	897	984	953	
BOMBAY	10972	10719	11869	10525	10354	10121	9903	7848	8137	6849	7051	*	
MORMUGAO	1127	1120	1114	1109	1101	968	961	955	935	902	621	807	
COCHIN	1164	1131	1077	995	919	823	757	665	581	683	584	548	
MADRAS	1695	1876	1806	1689	1558	1483	1394	1341	1306	1108	1890	1143	
VIZAG	841	869	851	841	816	685	665	641	611	706	739	732	
CALCUTTA	8096	7754	7410	7229	6885	6249	5941	5689	5272	4169	3907	3019	
TOTAL	24717	24304	24953	23221	22496	21200	20490	18014	17755	15314	15976	7202	

* Bombay Dock Labour Board merged with Bombay Port.

2.7.3 Number Of Dock Workers Listed With Major Ports As On 31st December

(In Numbers)

PORT	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
KANDLA	1320	1617	1598	54	-	-	-	-	-	-	-	-
BOMBAY	-	-	-	-	-	-	-	-	-	-	-	*
MADRAS	805	505	497	479	521	1497	1479	1445	1376	289	275	260
VISAKHAPATNAM	1710	1586	1573	1558	1539	1538	1516	1502	1487	1483	1006	1319
TOTAL	3844	3708	3669	2091	2060	3035	2895	2947	2863	1772	1281	1579

* Bombay Dock Labour Board merged with Bombay Port.

2.7.4 Employment At Ports - By Port & Classes As On 31st December, 1994

Port	Number of Officers		Number of non-cargo handling workers		Number of cargo : handling workers : other than Shore workers		Number : Number : of cargo : of : handling : casual : workers : shore : workers		Total		
	Class : Class : II : III : IV : Class : Class : III : IV		Class : Class : III : IV : Class : Class : III : IV		Class : Class : III : IV : Class : Class : III : IV		Class : Class : III : IV : Class : Class : III : IV				
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Kandla	124	56	625	1947	1020	375	103	670	-	-	4920
Bombay	730	13	4874	10481	5491	525	7905	5420	-	-	35439
J.L. Nehru	186	1	298	102	444	569	-	-	-	-	1700
Mormugao	157	77	515	1664	1094	305	-	34	-	-	3846
New Mangalore	56	125	372	414	471	-	744	293	17	-	2492
Cochin	157	75	987	1529	1302	939	234	511	-	-	5734
Tuticorin	120	63	280	878	840	-	-	-	-	-	2181
Madras	278	247	2014	3004	3193	709	281	1070	86	-	10882
Visakhapatnam	230	151	1170	3262	2376	1909	761	271	23	-	10153
Paradip	84	199	434	1258	1223	-	-	2001	325	-	5524
Calcutta/Haldia	891	333	2301	7850	5265	1731	1294	642	213	-	20520
Total	3013	1340	13870	32389	22719	7162	11322	10912	664	-	103391

2.7.5 Employment At DLB'S Of Major Ports As On 31st December, 1994

(In Numbers)

Port / DLB	DLB Employment				Dock Workers					Grand Total
	Class I	Class II	Class III	Class IV	Total : Register Listed	Others	Total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Kandla	2	3	63	13	81	953	-	-	953	1034
Mormugao	6	3	79	28	116	807	-	-	807	923
Cochin	8	8	108	39	163	548	-	-	548	711
Madras	27	13	364	103	507	1143	260	741	2144	2651
Visakhapatnam	23	7	283	118	431	732	1319	-	2051	2482
Calcutta	24	19	518	318	879	3019	-	529	3548	4427
All DLB's	90	53	1415	619	2177	7202	1579	1270	10051	12228

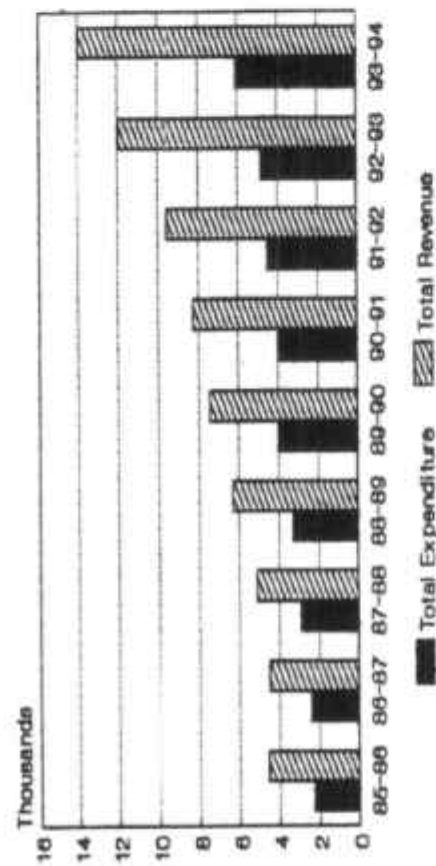
2.7.6 Mandays Lost Per Thousand Mandays Employed During 1988-1994

1988		1989		1990		1991		1992		1993		1994			
PORT	Man- days lost per 1000 emplo- yed (in '000)	Mandays lost per 1000 emplo- yed (in '000)	Man- days lost per 1000 emplo- yed (in '000)	Mandays lost per 1000 emplo- yed (in '000)	Man- days lost per 1000 emplo- yed (in '000)	Mandays lost per 1000 emplo- yed (in '000)	Man- days lost per 1000 emplo- yed (in '000)	Mandays lost per 1000 emplo- yed (in '000)	Man- days lost per 1000 emplo- yed (in '000)	Mandays lost per 1000 emplo- yed (in '000)	Man- days lost per 1000 emplo- yed (in '000)	Mandays lost per 1000 emplo- yed (in '000)			
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Kandla	1622	Neg.	1651	17	1643	3.6	1767	0.3	1747	-	1696	0.3	1708	0.8	
Bombay	12332	1	12067	19	11159	0.5	10901	0.4	10253	0.2	9634	1.7	10409	0.6	
Mormugao	1395	2	1382	28	1371	0.2	1355	0.3	1371	-	1223	1.1	1326	-	
N.Mangalore	394	18	394	87	398	47.1	399	0.2	401	0.1	720	-	693	-	
Cochin	2037	Neg.	1987	22	1934	0.6	1834	1.8	1869	2.7	1839	0.2	1815	0.3	
Tuticorin	686	6	685	20	681	3.9	680	4.6	675	-	616	4.5	599	11.3	
Madras	4335	1	4309	23	4240	1.9	4213	3.3	3515	1.6	3648	1.4	3450	1.4	
Visakha- patnam	3971	Neg.	3950	20	3897	0.1	4024	0.4	3725	0.7	3246	-	3151	-	
Paradip	1677	-	1616	16	1452	-	1443	0.9	1450	-	1499	4.9	1572	-	
Calcutta/ Haldia	9337	2	9180	15	8806	0.1	8600	1.5	7638	0.2	7115	1.0	6695	0.5	
J.N.P.T.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	452	3.4	454	-	
TOTAL	3786	1	3721	20	35575	1.2	35216	1.2	32644	0.5	31690	1.3	31872	0.7	

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

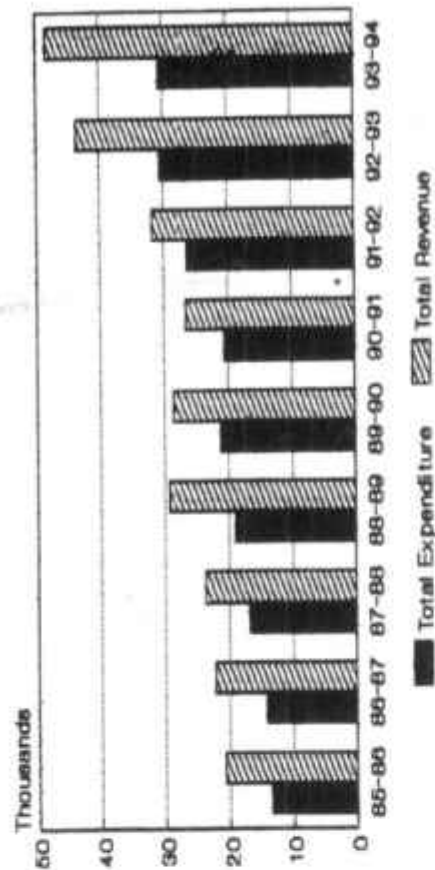
Revenue and Expenditure at Kandla Port

(Rs. in Lakhs)



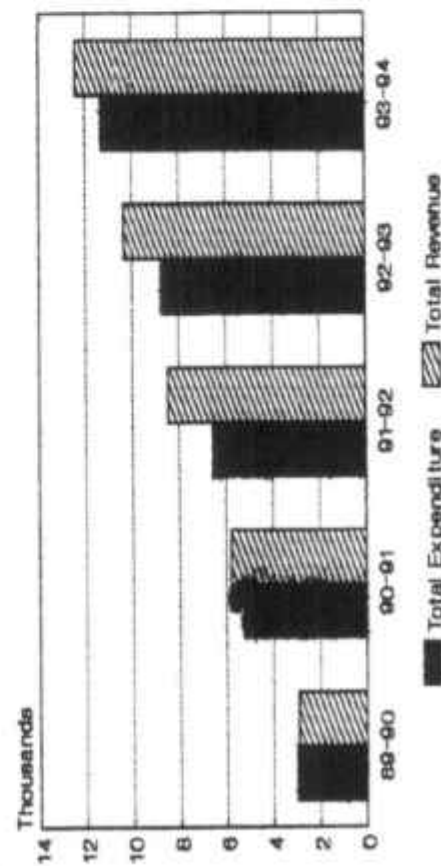
Revenue and Expenditure at Bombay Port

(Rs. in Lakhs)



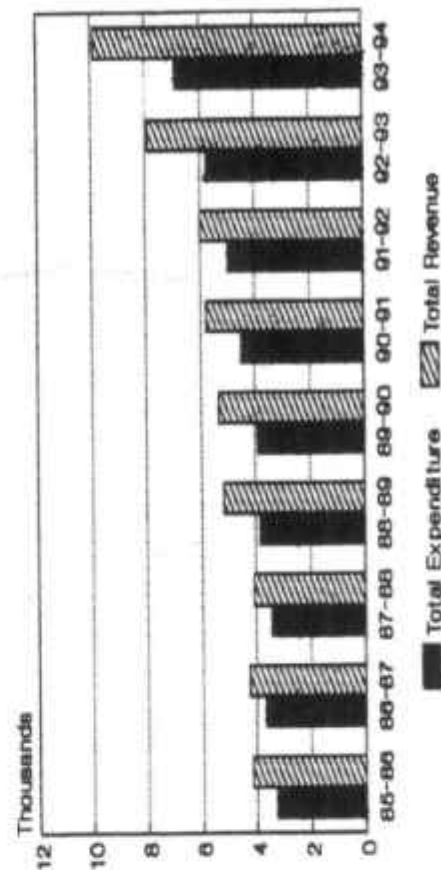
Revenue and Expenditure at J.L. Nehru

(Rs. in Lakhs)



Revenue and Expenditure at Mormugao Port

(Rs. in Lakhs)



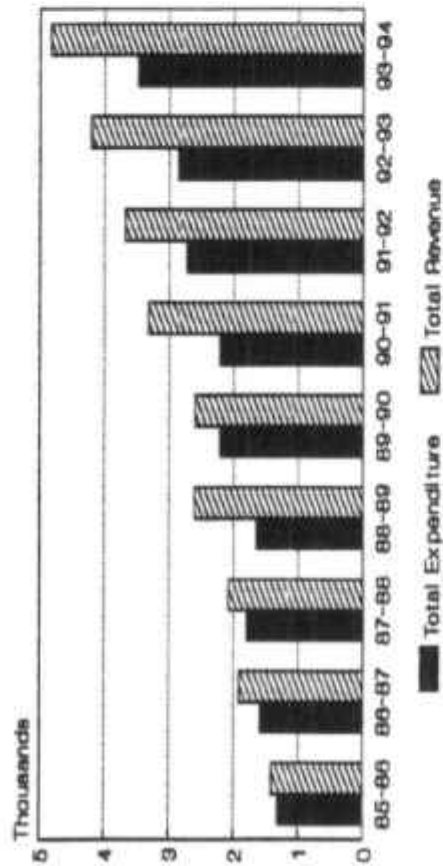
2.6.1 Revenue And Expenditure At Major Ports

(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	Adm.				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
KANDLA													
1984-85	4278	2302	1473	1013	1936	462	-	12	178	181	691	251	383
1985-86	4525	2248	1453	829	2147	538	-	11	180	180	745	293	397
1986-87	4480	2361	1345	926	2113	571	-	6	160	149	882	276	433
1987-88	5072	2879	1456	1143	2377	556	-	8	155	204	1082	475	493
1988-89	6298	3252	1631	1542	3093	585	-	9	208	210	1366	339	567
1989-90	7431	3924	1922	1861	3683	729	-	8	241	242	1585	457	627
1990-91	8246	3931	2342	1817	3851	779	-	4	246	268	1808	332	731
1991-92	9553	4490	2535	2126	4411	835	-	4	259	293	2348	452	780
1992-93	11948	4812	3091	2244	5329	911	-	4	271	322	3257	460	871
1993-94	13996	6041	4071	2746	5365	1075	-	7	739	402	3821	873	938
BOMBAY													
1984-85	18938	13470	2405	1949	10059	4901	125	678	2583	588	3766	3743	1611
1985-86	20695	13436	2694	2217	10895	5322	151	735	2611	614	4344	2793	1755
1986-87	21955	14118	2713	2593	10893	5728	-	763	2624	688	5725	2438	1908
1987-88	23723	16761	3103	3251	12046	6421	189	844	2680	803	5705	3187	2255
1988-89	29228	18809	3720	3603	15047	6991	192	891	3322	951	6947	3991	2482
1989-90	28580	21150	3721	3323	17444	7600	226	1027	948	1298	6241	5018	2884
1990-91	26623	20490	3554	3736	16808	7739	230	1111	1087	1318	3144	3399	3187
1991-92	31718	26394	4280	4214	19348	8596	255	1184	1680	1705	6154	7010	3685
1992-93	43723	30526	8394	5497	26124	9216	327	1219	1607	1935	7271	8610	4049
1993-94	48482	30657	10115	5469	29910	10425	339	1361	1804	2067	8814	8663	4672
JAWAHARLAL NEHRU													
1989-90	2917	2987	317	536	2084	606	-	10	150	40	366	91	1704
1990-91	5782	5226	682	802	4371	2780	-	14	257	167	472	625	838
1991-92	6494	6542	1019	833	5916	3206	-	14	376	244	1183	1099	1146
1992-93	10350	8743	1506	701	8661	4115	-	94	388	334	1783	2514	985
1993-94	12428	11298	2201	1265	7626	4711	-	97	442	440	2159	3489	1296

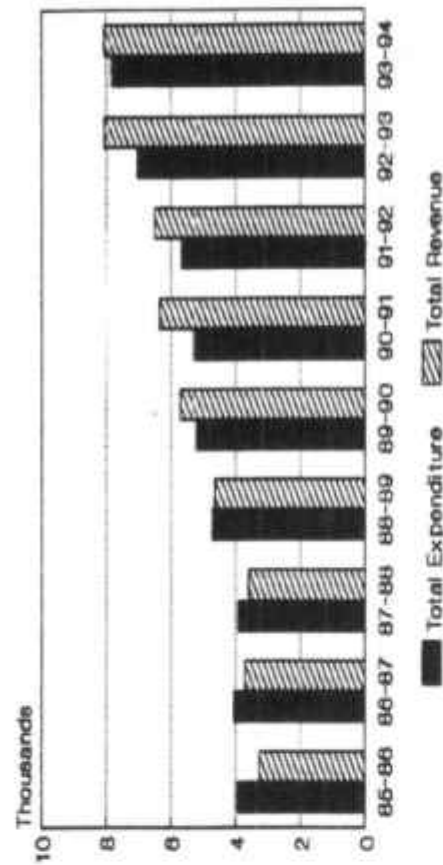
Revenue and Expenditure at New Mangalore

(Rs. in Lakhs)



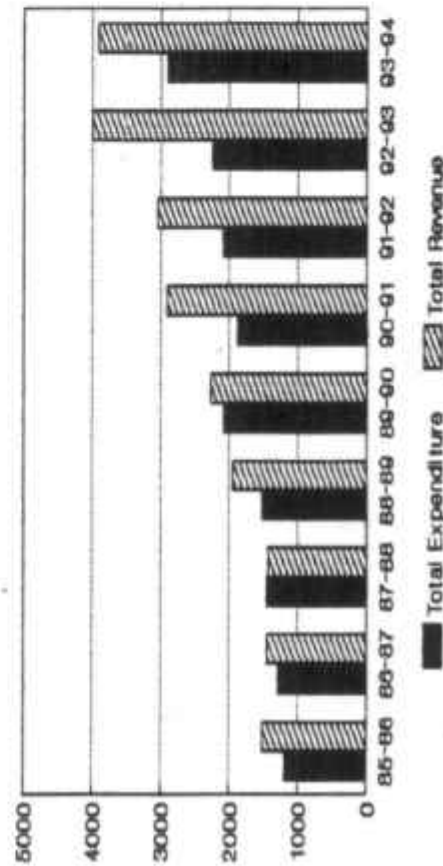
Revenue and Expenditure at Cochin Port

(Rs. in Lakhs)



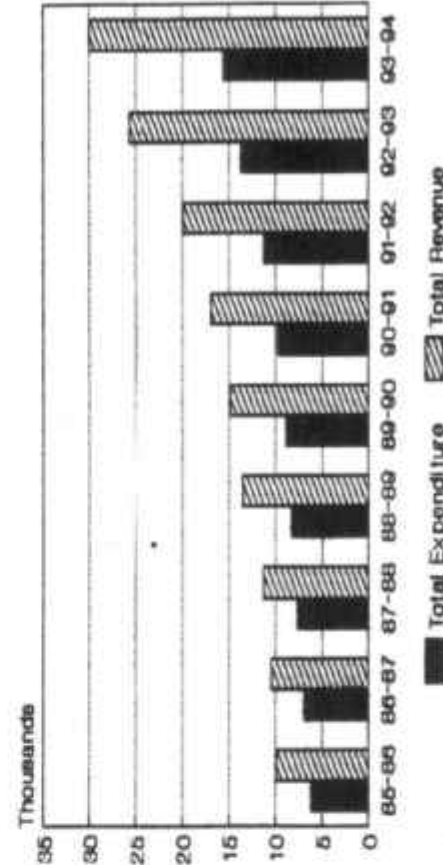
Revenue and Expenditure at Tuticorin

(Rs. in Lakhs)



Revenue and Expenditure at Madras

(Rs. in Lakhs)



2.8.1 Revenue And Expenditure At Major Ports

(Rs. in Lakhs)

Port / Year	Total : Revenue	Total : Expenditure	Port & Dock including Pilottage	Cargo handling and ware- housing	Railways	Land and Building	Finance and Misc.	Manage- ment & General Admn.					
	Revenue	Exp.	Revenue	Exp.	Revenue	Exp.	Revenue	Exp.					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
COCHIN													
1984-85	2639	2719	714	1086	1567	471	12	11	236	72	110	356	723
1985-86	3265	3930	800	1371	2001	511	9	11	263	81	192	1197	759
1986-87	3719	4066	909	1288	2410	701	-	15	222	78	176	1020	966
1987-88	3626	3906	880	984	2387	759	-	12	210	97	149	1086	960
1988-89	4654	4721	1198	1301	3086	829	-	15	239	112	131	1303	1161
1989-90	5722	5225	1214	1413	3988	966	-	16	303	134	217	1463	1233
1990-91	6364	5324	1163	1524	4059	1008	-	17	316	135	826	1256	1384
1991-92	6498	5667	1137	1576	4335	1105	-	17	356	167	670	1454	1348
1992-93	8056	7022	1594	2178	4600	1162	-	20	441	183	1421	1821	1657
1993-94	8069	7799	1906	2794	4557	1206	-	24	500	199	1106	1815	1761
TUTICORIN													
1984-85	1243	1029	210	196	854	185	63	24	35	56	81	283	283
1985-86	1511	1189	256	238	1037	222	48	23	37	67	133	360	279
1986-87	1440	1284	220	261	999	229	41	33	38	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	86	181	411	353
1989-90	2274	2073	438	390	1507	335	65	49	80	96	184	799	404
1990-91	2908	1880	468	439	1561	368	73	51	145	106	661	442	474
1991-92	3046	2086	550	506	1936	447	72	68	147	123	341	407	535
1992-93	3989	2250	861	545	2287	500	74	65	222	134	545	415	591
1993-94	3908	2899	924	635	2201	689	-	51	231	135	552	689	700

2.8.1 Revenue And Expenditure At Major Ports

(Rs. in Lakhs)

Port / Year	Total : Total : Revenue: Expenditure:		Port & Dock including pilottage		Cargo handling : and ware- housing		Railways		Land and Building		Finance and Misc.		Manage- ment & General Admn.	
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
	Revenue :	Exp.	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)	(15)
MADRAS														
1984-85	8549	5580	1287	826	6341	2274	477	354	38	80	406	945	1101	
1985-86	9669	6195	1519	854	6982	2421	566	380	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	1648	1939	
1989-90	14832	8882	1977	1337	9794	3065	1184	527	146	92	1731	1561	2300	
1990-91	16964	9713	2184	1426	10714	3194	1295	614	186	93	2605	1778	2608	
1991-92	19947	11218	3055	1594	11172	3722	1630	719	208	96	3682	2157	2928	
1992-93	25664	13700	4003	1536	13135	4062	1576	924	201	121	6749	3694	3363	
1993-94	30029	15848	5087	1650	14721	4588	1601	815	219	143	8401	4850	3492	
VISAKHAPATNAM														
1984-85	6262	5470	1179	1040	4041	1610	378	484	367	165	297	1413	758	
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	775	2074	1419	
1990-91	13955	10547	2531	1990	7300	2843	1427	1193	569	420	2128	2487	1614	
1991-92	15713	11861	2682	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	3376	2207	

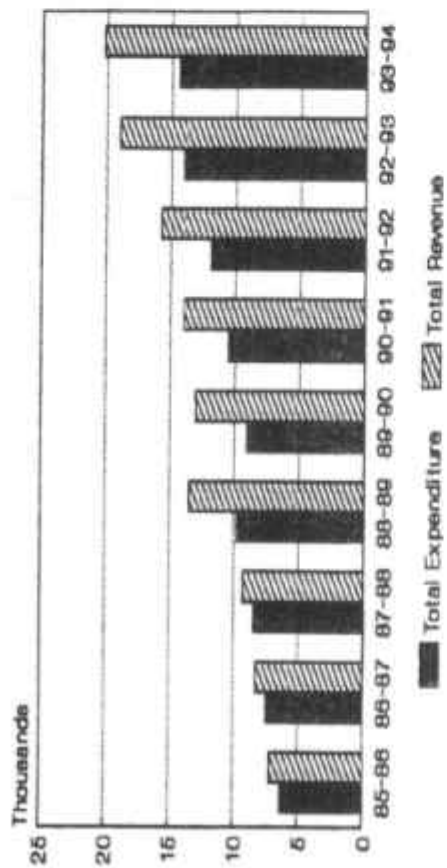
(Rs. in Lakhs)

HALDIA

-150-

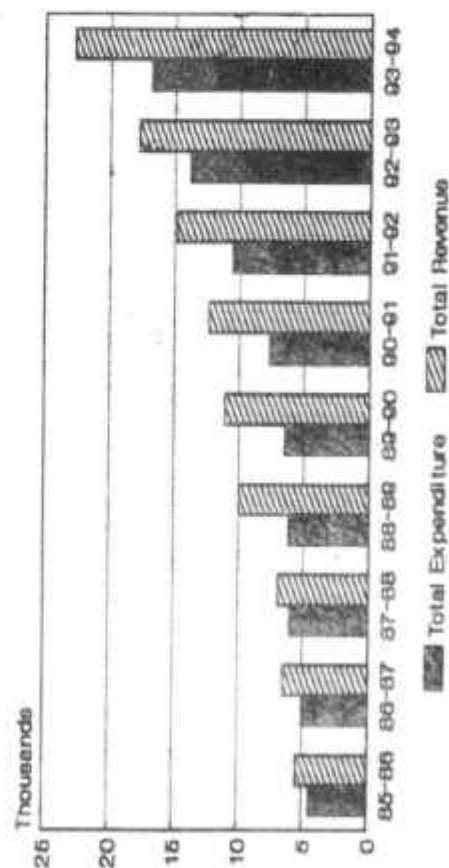
Revenue and Expenditure at Vizag

(Rs. in Lakhs)



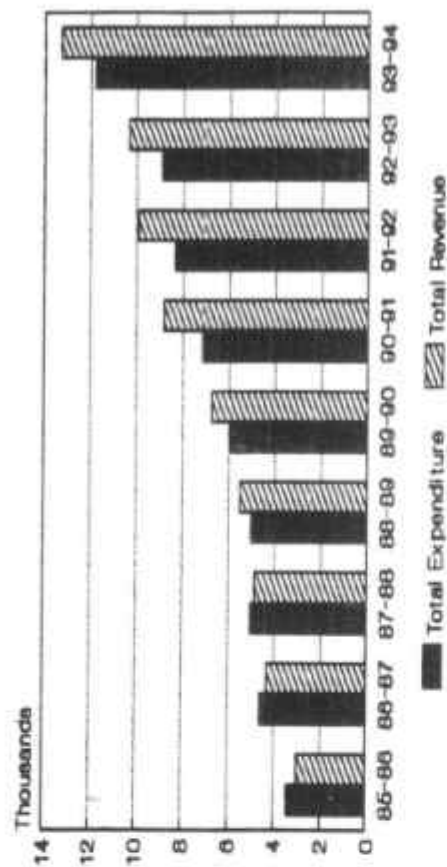
Revenue and Expenditure at Haldia

(Rs. in Lakhs)



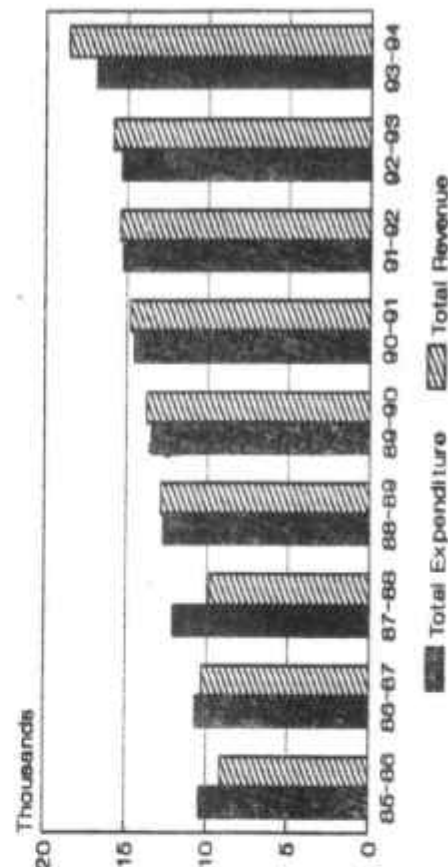
Revenue and Expenditure at Paradip

(Rs. in Lakhs)



Revenue and Expenditure at Calcutta

(Rs. in Lakhs)



2.8.1 Revenue And Expenditure At Major Ports

(Rs. in Lakhs)

Port / Year	Total : Revenue		Port & Dock including Pilottage		Cargo handling and ware- housing		Railways		Land and Building		Finance and Misc.		Manage- ment & General Admn.	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
CALCUTTA														
1984-85	10590	9565	2167	2497	5688	2094	395	894	638	131	702	1815	2134	
1985-86	9106	10392	2617	3007	4717	2234	386	863	770	149	616	1636	2503	
1986-87	10281	10624	2652	3011	5508	2246	358	881	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	2831	417	819	1246	224	1398	3115	3867	
1991-92	15372	15187	2426	3484	8176	2832	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	11088	2889	638	760	1609	257	1312	4169	4997	
ALL PORTS														
1984-85	64198	51224	12922	12501	37920	14079	1745	2804	4525	1662	7086	11470	8706	
1985-86	70274	56165	14918	13911	40353	16496	2006	3157	4733	1772	8264	11924	9905	
1986-87	77771	61665	15579	14978	43983	17334	2740	3468	4857	2043	10812	12970	10872	
1987-88	82138	69403	17307	16344	44466	18595	3405	3885	4952	2295	11988	16030	12254	
1988-89	105277	75729	19866	17442	59093	20352	3998	4198	5895	2589	16625	16809	14339	
1989-90	114163	85197	21145	19517	69260	22078	4372	4820	4314	3302	15072	18401	17079	
1990-91	125818	93042	23208	20881	75828	26120	5010	4934	5112	3729	16660	19159	18219	
1991-92	144736	110022	26541	25103	80662	28040	6236	5831	6397	4630	24900	25097	20321	
1992-93	178646	127618	38205	30153	96135	32290	7230	6890	6970	5365	30106	30223	22697	
1993-94	206457	144453	48260	32769	109563	36476	7588	6423	8456	5689	32590	37466	25630	

2.8.2 Net And Operating Surplus At Major Ports

(Rs. in Lakhs)

Item/Year	Kandla	Bombay	J.L.	Mormu-	N.Manga-	Cochin	Tutl-	Madras	Vizakha	Paradip	Haldia	Calcutta	All
:	:	:	Nehru	: gao'	: lore	:	: corin	:	: patnam	:	:	:	: Ports
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Operating Income													
1984-85	3587	15172	-	3609	1067	2529	1162	8143	5965	1471	4519	9888	57112
1985-86	3780	16351	-	3780	1314	3073	1378	9118	6909	2640	5177	8490	62010
1986-87	3618	16422	-	3845	1790	3541	1298	9705	7804	3908	5798	9230	66959
1987-88	3980	16018	-	3605	1964	3477	1270	10162	8096	4148	6314	9106	70150
1988-89	4932	22261	-	4527	2255	4523	1760	12169	10729	4828	9084	11564	88652
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	16386	8838	16310	14411	148540
1993-94	10175	41668	10269	8216	4060	6963	3356	21629	18096	11230	20943	17263	173868
Operating Expenditure													
1984-85	2051	9727	-	2241	844	2363	746	4635	4057	2163	3177	7750	39754
1985-86	1955	10643	-	2362	1041	2733	829	5071	4604	2610	3617	8756	44241
1986-87	2085	11680	-	2947	1120	3048	894	5534	5438	2935	4121	6893	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	6980	3682	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	1680	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

2.6.2 Net And Operating Surplus At Major Ports

(Rs. in Lakhs)

Item/Year : Kandla : Bombay : J.L. : Mormu- : N.Manga- : Cochin : Tutl- : Madras : Visakha : 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													
1984-85	1536	5445	-	1368	223	166	416	3508	1908	(-)692	1342	2138	17358
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	995	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	1609	8909	5774	2388	4952	2052	51145
1993-94	5007	17674	2460	2791	1031	979	1146	10942	7050	4826	8383	4593	56882

Net Surplus													
1984-85	1976	5468	-	792	178	(-)80	214	2969	792	(-)1025	665	1025	12974
1985-86	2277	7259	-	886	95	(-)665	322	3674	864	(-)412	1095	(-)1286	14109
1986-87	2119	8029	-	566	324	(-)349	156	3537	823	(-)259	1484	(-)343	16106
1987-88	2193	6962	-	637	286	(-)282	(-)9	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	8729	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	52004

2.8.3 Operating Ratio At Major Ports

(In Percentage)

Year	Kandla	Bombay	J.L.	Mormu-	N.Manga-	Cochin	Tut-	Madras	Visakh-	Paradip	Hal-	Calcutta	All
:	:	:	:	:	:	:	:	:	:	:	:	:	:
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1984-85	67.18	64.11	-	62.09	79.10	93.44	64.20	56.92	68.01	147.04	70.30	78.38	69.61
1985-86	51.72	65.09	-	63.02	79.22	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	86.08	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

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

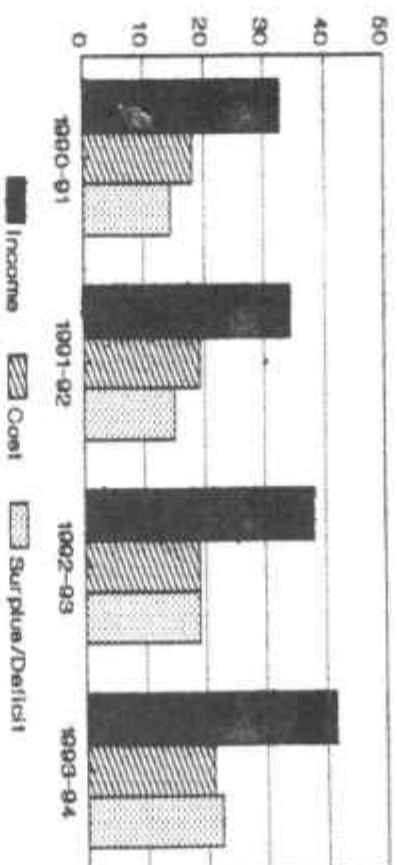
(In Rs.)

Port	Revenue Income			Cost			Surplus/Deficit		
	1991-92	1992-93	1993-94	1991-92	1992-93	1993-94	1991-92	1992-93	1993-94
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Kandla	34.30	37.94	41.53	19.23	19.00	21.09	15.07	18.94	20.44
Bombay	86.87	119.23	129.19	87.44	78.91	93.64	(-)0.57	40.32	35.55
J.L. Nehru	262.03	284.12	303.10	195.07	206.34	230.52	66.96	77.78	72.58
Mormugao	39.69	48.50	52.87	32.89	35.39	36.75	6.80	13.11	16.12
New Mangalore	44.32	59.22	55.97	32.82	40.25	40.26	11.50	18.97	15.71
Cochin	77.90	83.17	91.38	56.30	65.19	78.54	21.60	17.98	12.84
Tuticorin	51.92	64.18	58.33	35.56	36.20	41.38	16.36	27.98	16.95
Madras	79.79	101.44	113.32	44.87	54.15	58.26	34.92	47.29	55.06
Visakhapatnam	62.69	71.98	70.70	55.11	61.28	56.35	7.58	10.70	14.35
Paradip	135.52	135.00	159.34	114.34	117.00	141.70	21.18	18.00	17.64
Calcutta*	189.37	182.94	223.39	161.31	158.57	181.82	28.06	24.37	41.57

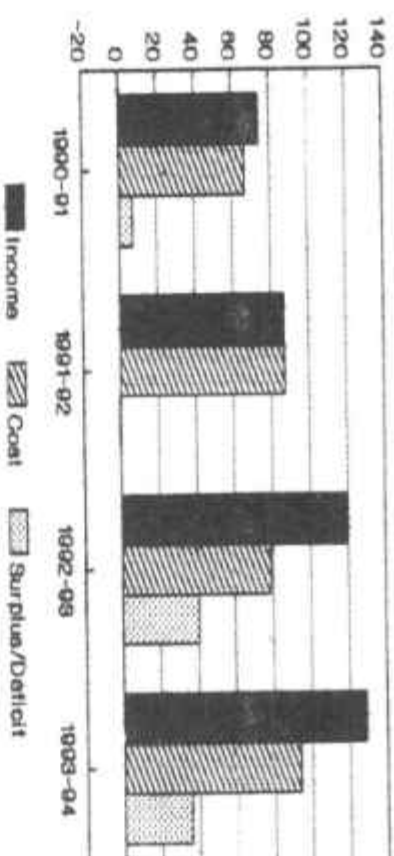
* Includes Haldia.

Source : Indian Ports Association.

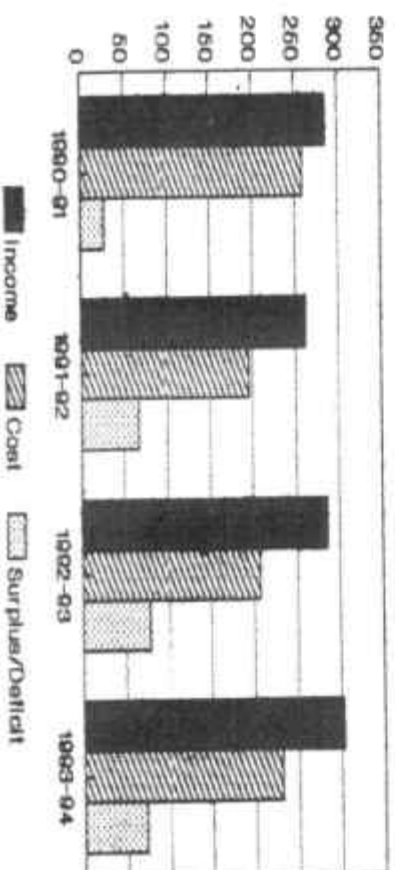
**Income, Cost and Surplus/Deficit
per Tonne of Cargo Handled
at Kandla Port (In Rupees)**



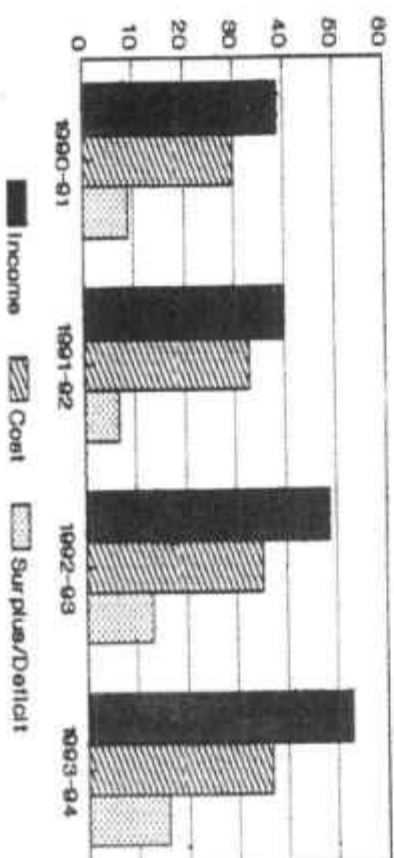
**Income, Cost and Surplus/Deficit
per Tonne of Cargo Handled
at Bombay Port (In Rupees)**



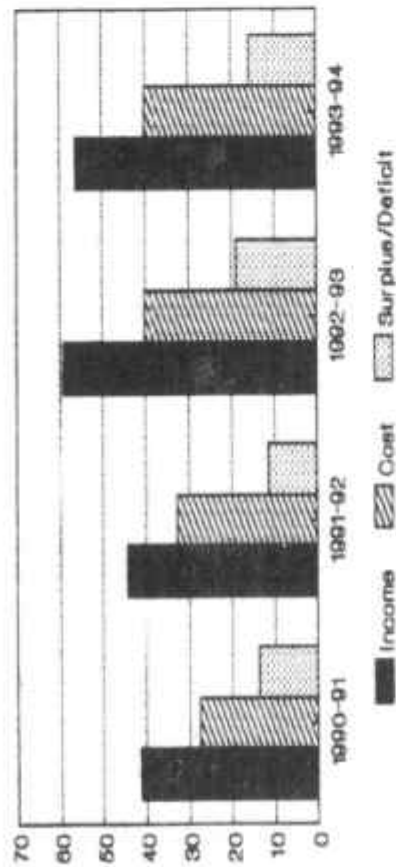
**Income, Cost and Surplus/Deficit
per Tonne of Cargo Handled
at J.L. Nehru Port (In Rupees)**



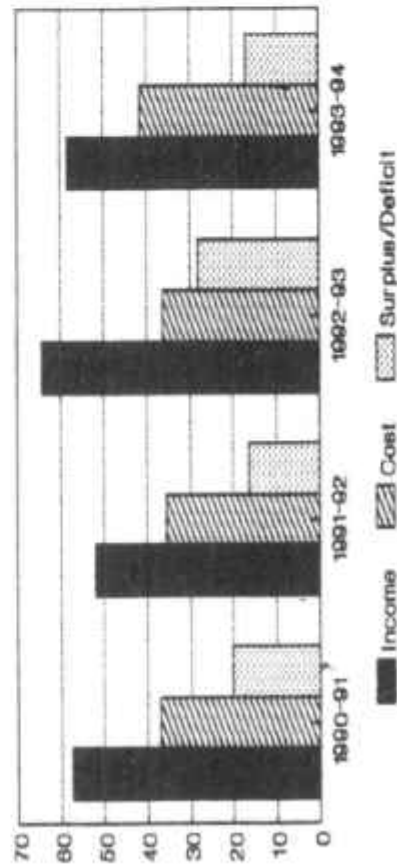
**Income, Cost and Surplus/Deficit
per Tonne of Cargo Handled
at Mormugao Port (In Rupees)**



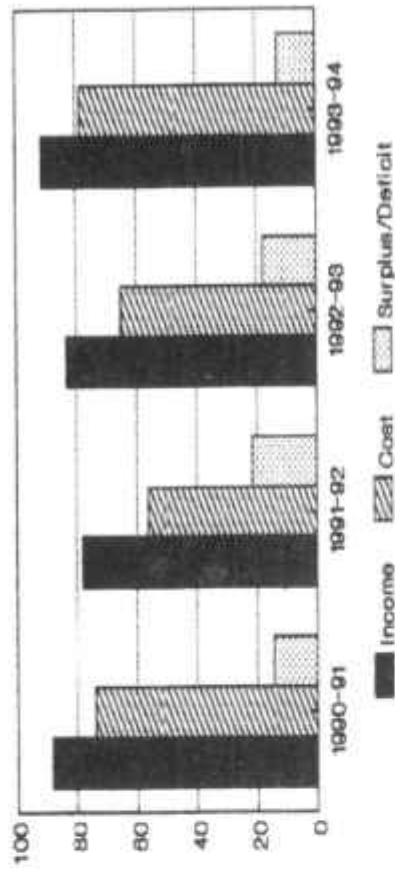
**Income, Cost and Surplus/Deficit
per Tonne of Cargo Handled
at New Mangalore Port (In Rupees)**



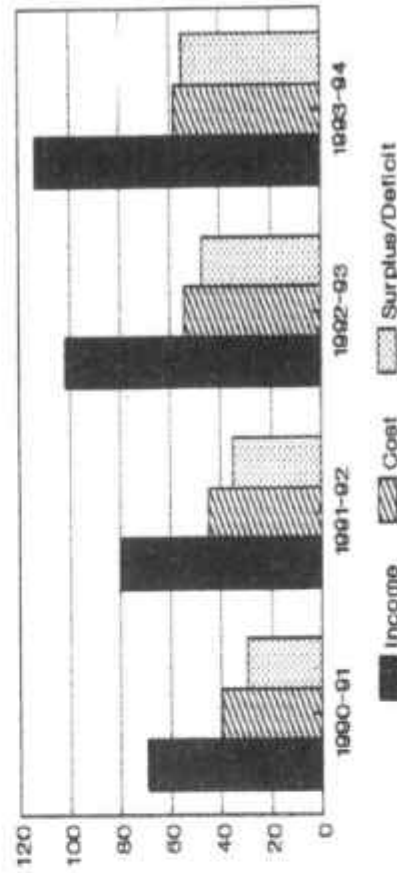
**Income, Cost and Surplus/Deficit
per Tonne of Cargo Handled
at Tuticorin Port (In Rupees)**



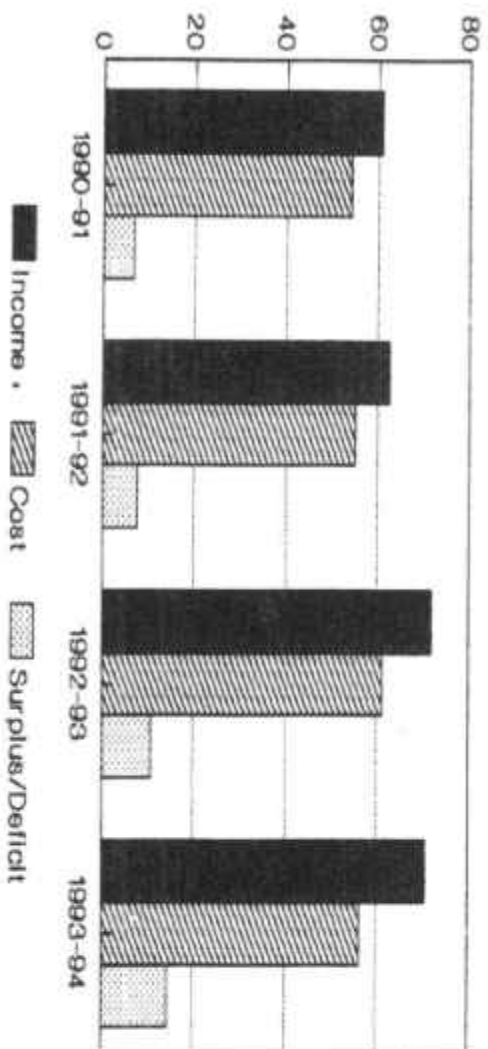
**Income, Cost and Surplus/Deficit
per Tonne of Cargo Handled
at Cochin Port (In Rupees)**



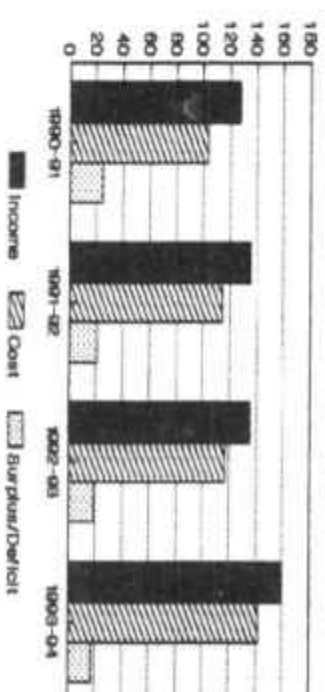
**Income, Cost and Surplus/Deficit
per Tonne of Cargo Handled
at Madras Port (In Rupees)**



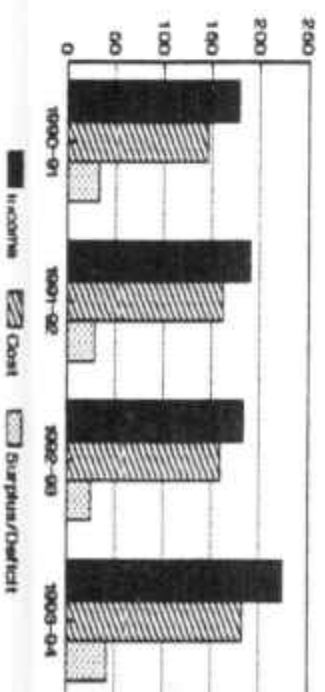
Income, Cost and Surplus/Deficit per Tonne of Cargo Handled at Visakhapatnam Port (In Rupees)



Income, Cost and Surplus/Deficit per Tonne of Cargo Handled at Paradip Port (In Rupees)



Income, Cost and Surplus/Deficit per Tonne of Cargo Handled at Calcutta Port (In Rupees)



SECTION -III

MINOR/INTERMEDIATE PORTS

- 3.1 CARGO TRAFFIC**
- 3.2 PASSENGER TRAFFIC**
- 3.3 SHIP TRAFFIC**
- 3.4 EMPLOYMENT**

(In '000 Tonnes)

Year	Overseas		Coastal		Overseas & Coastal				
	: Unloaded:	: Loaded	: Total	: Unloaded:	: Loaded	: Total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1970-71	869	3391	4260	871	1557	2428	1740	4948	6688
1975-76	1814	3068	4882	599	1023	1622	2413	4091	6504
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	3370	3854	7224	1964	1251	3215	5334	5105	10439
1991-92	2950	4104	7054	2844	1373	4217	5794	5477	11271
1992-93	4179	4737	8916	2827	1339	4166	7006	6076	13082
1993-94	3962	6644	10606	3498	1421	4919	7460	8065	15525

3.1.2 - State-Wise Cargo (Overseas/Coastal) At Minor/Intermediate Ports (In '000 Tonnes)

Year	Gujarat	Mahara- shtra	Goa	Daman & Diu	Ka/Na- 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)
OVERSEAS												
1970-71	1454	559	-	-	-	750	194	615	188	500	-	4260
1975-76	2136	807	-	-	-	462	253	294	392	536	-	4882
1980-81	2193	1171	-	-	-	824	298	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	4638	599	1	-	-	418	86	227	70	1124	61	7224
1991-92	4982	213	-	-	-	205	86	185	53	1180	150	7054
1992-93	6555	-	-	-	-	320	90	260	47	1437	207	8916
1993-94	8297	-	-	-	-	163	60	80	22	1772	212	10606
COASTAL												
1970-71	1212	359	-	-	-	415	138	304	-	-	-	2428
1975-76	966	180	13	-	-	303	71	9	-	-	-	1622
1980-81	587	202	8	-	-	244	162	-	-	6	-	1429
1985-86	1533	332	Neg.	4	-	106	43	35	-	-	-	2295
1986-87	1455	284	1	-	-	153	40	0	-	-	-	2206
1987-88	1467	320	Neg.	3	-	167	41	0	-	-	-	2026
1988-89	1469	242	-	-	-	151	32	0	-	-	-	1922
1989-90	1596	268	-	-	-	164	37	1	-	-	-	2089
1990-91	2332	325	-	-	-	193	44	Neg.	-	-	-	317
1991-92	3327	319	12	-	-	178	44	-	-	-	-	3215
1992-93	3129	303	212	-	-	150	35	-	-	-	-	4217
1993-94	3503	646	212	-	-	147	38	-	-	35	-	4166
TOTAL												4919
1970-71	2666	918	-	-	-	1165	332	919	188	500	-	6886
1975-76	3102	987	13	-	-	765	324	303	392	536	-	6504
1980-81	2780	1373	8	-	-	1068	191	193	49	848	-	6732
1985-86	4555	1600	2	-	-	859	111	480	118	1074	-	9055
1986-87	4489	1532	5	-	-	820	90	255	50	861	3	8368
1987-88	3894	681	-	-	-	417	82	84	-	699	30	5918
1988-89	5347	862	-	-	-	655	304	306	413	1138	22	9075
1989-90	6627	1339	-	-	-	653	157	376	229	1374	68	10856
1990-91	6970	928	1	-	-	611	130	227	70	1124	61	10439
1991-92	8309	532	12	-	-	383	130	185	53	1180	150	11271
1992-93	9884	303	212	-	-	470	125	260	47	1437	207	13082
1993-94	11800	646	212	-	-	310	98	80	22	1807	212	15525

* Figures pertain to only Lakshadweep.

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

(in '000 Tonnes)

Year	Gujarat	Mahara- shtra	Goa	Daman & Diu	Karna- take	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												
1970-71	705	119	...	...	137	179	381	108	31	...	...	1740
1975-76	1219	94	10	3	157	213	195	392	90	40	...	2413
1980-81	1492	130	7	3	251	20	101	49	331	114	...	2498
1985-86	2864	306	Neg.	4	436	12	385	118	668	116	...	4907
1986-87	2648	279	...	3	353	15	187	50	438	134	...	4107
1987-88	2159	239	Neg.	3	72	9	36	...	262	27	...	2907
1988-89	3102	239	...	1	356	175	258	413	659	26	...	5230
1989-90	3495	254	...	1	344	40	326	229	642	31	...	5388
1990-91	3650	328	...	...	271	9	217	70	504	50	...	5334
1991-92	4258	305	6	Neg.	223	9	182	53	402	118	...	5794
1992-93	5134	298	88	Neg.	284	6	248	47	509	154	...	7006
1993-94	5587	622	88	Neg.	164	1	62	22	545	131	...	7460
LOADED												
1970-71	1961	799	...	...	1028	153	528	...	469	...	...	4848
1975-76	1883	893	3	9	808	111	108	...	448	...	...	4091
1980-81	1288	1243	1	4	817	171	92	...	518	...	...	4234
1985-86	1701	1294	2	Neg.	423	99	95	Neg.	408	...	...	4148
1986-87	1841	1253	5	...	467	75	68	...	423	...	...	4261
1987-88	1735	342	...	...	345	73	48	...	437	...	...	3011
1988-89	2245	823	...	...	299	129	48	...	479	...	...	3845
1989-90	3132	1085	...	...	309	117	50	...	732	...	...	5468
1990-91	3320	800	1	...	340	121	10	...	620	...	...	5105
1991-92	4051	227	6	...	160	121	3	...	778	...	...	5477
1992-93	4550	5	124	...	186	119	12	...	928	...	...	6076
1993-94	6213	24	124	...	146	98	18	...	1262	...	...	8065
TOTAL												
1970-71	2666	918	...	...	1165	332	918	188	500	...	...	6588
1975-76	3102	987	13	12	765	324	303	392	530	...	...	6504
1980-81	2780	1373	8	7	1068	191	193	49	849	...	...	8732
1985-86	4565	1600	2	4	859	111	480	116	1074	...	...	9055
1986-87	4489	1532	5	3	820	90	253	50	861	...	...	8368
1987-88	3894	681	...	...	417	82	84	...	699	...	...	5918
1988-89	5347	862	...	...	655	304	306	413	1138	...	...	8075
1989-90	6627	1239	...	...	653	157	276	229	1374	...	...	10856
1990-91	6970	928	1	1	611	130	227	70	1124	...	...	10438
1991-92	8309	532	12	...	383	130	185	53	1180	...	...	11271
1992-93	9684	303	212	...	470	125	260	47	1437	...	...	13082
1993-94	11800	646	212	...	310	99	80	22	1807	...	...	15525

Note : - The traffic in respect of Sea Islands from the year 1987-88 to 88-89 pertain only to Lakshadweep.

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)
GUJARAT						
1970-71	259	1195	1454	446	766	1212
1975-76	854	1282	2136	365	601	966
1980-81	1252	941	2193	240	347	587
1985-86	2292	740	3032	572	961	1533
1986-87	2080	954	3034	568	887	1455
1987-88	1605	822	2427	554	913	1467
1988-89	2477	1401	3878	625	844	1469
1989-90	2735	2296	5031	760	836	1596
1990-91	2370	2268	4638	1280	1052	2332
1991-92	2079	2903	4982	2179	1148	3327
1992-93	3029	3526	6555	2105	1024	3129
1993-94	3155	5142	8297	2432	1071	3503
MAHARASHTRA						
1970-71	-	559	559	119	240	359
1975-76	-	807	807	194	86	180
1980-81	-	1171	1171	306	72	202
1985-86	-	1238	1238	279	265	332
1986-87	30	1331	1361	309	113	294
1987-88	-	620	620	239	14	320
1988-89	-	1071	1071	254	14	268
1989-90	-	599	599	305	14	319
1990-91	-	213	213	298	5	303
1991-92	-	-	-	622	24	646
1992-93	-	-	-	-	-	-
1993-94	-	-	-	-	-	-
GOA						
1970-71	-	-	-	10	3	13
1975-76	-	-	-	7	1	8
1980-81	-	2	2	Neg.	-	-
1985-86	-	4	4	Neg.	-	-
1986-87	-	-	-	-	-	-
1987-88	Neg.	-	-	-	-	-
1988-89	...	-	-	-	-	-
1989-90	...	-	-	-	-	-
1990-91	...	1	1	6	6	12
1991-92	-	-	-	88	124	212
1992-93	-	-	-	88	124	212
1993-94	-	-	-	-	-	-

3.1.4 Cargo Traffic Handled At Minor/Intermediate Ports (State-Wise) (In '000 Tonnes)

States U.T.	Overseas : Unloaded:Loaded : Total	Coastal : Unloaded:Loaded : Total	Overseas & Coastal : Unloaded:Loaded : Total						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Daman & Diu	-	-	-	..3	..9	127	..3	..9	127
1970-71	-	-	-	3	4	7	3	4	7
1975-76	-	-	-	3	Neg.	4	3	-	3
1980-81	-	-	-	4	-	3	3	-	3
1985-86	-	-	-	3	-	3	3	-	3
1986-87	-	-	-	3	-	3	3	-	3
1987-88	-	-	-	1	-	1	1	-	1
1988-89	-	-	-	1	-	1	1	-	1
1989-90	-	-	-	Neg.	-	Neg.	Neg.	-	Neg.
1990-91	-	-	-	Neg.	-	Neg.	Neg.	-	Neg.
1991-92	-	-	-	Neg.	-	Neg.	Neg.	-	Neg.
1992-93	-	-	-	Neg.	-	Neg.	Neg.	-	Neg.
1993-94	-	-	-	Neg.	-	Neg.	Neg.	-	Neg.
KARNATAKA									
1970-71	34	716	750	103	312	415	137	1028	1165
1975-76	91	371	462	66	237	303	157	608	765
1980-81	177	647	824	74	170	244	251	817	1068
1985-86	412	341	753	24	82	106	436	423	859
1986-87	229	374	667	60	193	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	2250	239	489	94	70	164	344	309	653
1990-91	1159	259	418	112	81	193	271	340	611
1991-92	1196	89	205	107	71	178	223	160	383
1992-93	181	128	320	92	58	150	284	186	470
1993-94	-	-	163	83	64	147	164	146	310
KERALA									
1970-71	144	50	194	35	103	138	179	153	332
1975-76	196	57	253	17	54	71	213	111	324
1980-81	16	13	29	4	158	162	220	171	324
1985-86	-	68	68	12	31	43	122	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

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)
ORISSA									
1970-71	-	-	-	-	-	-	-	-	-
1975-76	-	-	-	-	-	-	-	-	-
1980-81	-	-	-	-	-	-	-	-	-
1985-86	-	3	30	3	-	-	-	30	3
1986-87	-	22	30	22	-	-	-	22	61
1987-88	-	42	61	22	-	-	-	42	118
1988-89	26	11	68	26	-	-	-	26	150
1989-90	30	53	61	30	-	-	-	30	150
1990-91	118	53	207	118	-	-	-	118	212
1991-92	154	81	212	154	-	-	-	154	212
1992-93	131	-	-	131	-	-	-	131	-
1993-94	-	-	-	-	-	-	-	-	-
SEA ISLANDS									
ANDAMAN GROUP (I)									
1970-71	-	-	-	-	-	-	-	-	-
1975-76	-	3	28	-	28	56	28	98	56
1980-81	-	-	104	-	95	199	104	126	202
1985-86	-	-	103	-	126	229	103	126	229
1986-87	-	-	-	-	-	-	-	-	-
1987-88	...	...	...	...	...	...	...	...	...
1988-89	...	...	...	...	...	...	...	...	...
1989-90	...	...	...	...	...	...	...	...	...
1990-91	...	...	...	...	...	...	...	...	...
1991-92	...	...	...	...	...	...	...	...	...
1992-93	...	...	...	...	...	...	...	...	...
1993-94	...	...	...	...	...	...	...	...	...
LAKSHADWEEP (II)									
1970-71	-	-	-	-	-	-	-	-	-
1975-76	-	-	-	-	-	-	-	-	-
1980-81	-	-	-	-	-	-	-	-	-
1985-86	-	-	-	-	-	-	-	-	-
1986-87	-	-	-	-	-	-	-	-	-
1987-88	-	-	-	-	-	-	-	-	-
1988-89	-	-	-	-	-	-	-	-	-
1989-90	-	-	-	-	-	-	-	-	-
1990-91	-	-	-	-	-	-	-	-	-
1991-92	-	-	-	-	-	-	-	-	-
1992-93	-	-	-	-	-	-	-	-	-
1993-94	-	-	-	-	-	-	-	-	-

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)
SEA ISLANDS (I + II)									
1970-71	-	-	-	40	28	68	40	28	68
1975-76	-	-	-	114	97	211	114	100	214
1980-81	-	3	3	116	126	242	116	126	242
1985-86	-	-	-	134	126	260	134	126	260
1986-87	-	-	-	27	1	28	27	1	28
1987-88	-	-	-	27	Neg.	27	27	-	27
1988-89	-	-	-	31	1	32	31	1	32
1989-90	-	-	-	235	82	317	235	82	317
1990-91	-	-	-	238	99	337	238	99	337
1991-92	-	-	-	238	99	337	238	99	337
1992-93	-	-	-	238	99	337	238	99	337
1993-94	-	-	-	-	-	-	-	-	-
TOTAL	869	3391	4260	871	1557	2428	1740	4948	6688
1970-71	1814	3068	4882	599	1023	1622	2413	4091	6504
1975-76	1921	3388	5309	577	849	1426	2498	4234	6732
1980-81	3873	2887	6760	1034	1261	2295	4907	4148	9055
1985-86	3055	3107	6162	1052	1154	2206	4107	4261	8368
1986-87	1951	1941	3892	956	1070	2026	2907	3011	5918
1987-88	4263	2890	7153	967	955	1922	5230	3845	9075
1988-89	4244	4513	8757	1144	955	2099	5388	5468	10856
1989-90	3370	3854	7224	1964	1251	3215	5334	5105	10439
1990-91	2950	4104	7054	2844	1373	4217	5794	5477	11271
1991-92	4179	4737	8916	2827	1339	4166	7006	6076	13082
1992-93	3962	6644	10606	3498	1421	4919	7460	8065	15525
1993-94	-	-	-	-	-	-	-	-	-

3.1.5 Transshipment Traffic

(In '000 Tonnes)

State/Port	Commodity	1990-91	1991-92	1992-93	1993-94
Gujarat					
Sikka	Light Diesel	2343	-	-	-
	Oil	-	1799	-	-
	Crude Oil	-	-	1909	3603
Bedi	Iron Ore	-	16	-	-
	Coal Cargo	-	-	24	-
Bhavnagar	Iron Ore	-	246	269	-
Andhra Pradesh					
Kakinada					
Maharashtra	Wheat	-	-	123	-
	G.Cargo	-	-	-	3
Total Transshipment		2343	2061	2325	3606

3.1.6 - Overseas Cargo Traffic Handled In Principal Commodities

(In '000 Tonnes)

Commodity	1991-92		1992-93		1993-94				
	: Unloaded	: Loaded	: Total	: Unloaded	: Loaded	: Total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
KERALA	Neg.	86	86	-	90	90	1	59	60
Other Ores	-	83	83	-	90	90	-	59	59
Foodgrains	Neg.	-	-	-	-	-	-	-	-
Others	Neg.	3	3	-	-	-	1	-	1
TAMILNADU	182	3	185	248	12	260	62	18	80
Other Ores	-	-	-	-	12	12	-	14	14
Fertilizer & Raw Material	173	-	173	209	-	209	43	4	47
Others	9	3	12	39	-	39	19	-	19
ANDHRA PRADESH	402	778	1180	509	928	1437	510	1262	1772
Fertilizer & Raw Material	395	-	395	450	17	467	503	-	503
Others	7	778	785	59	911	970	7	1262	1269
PONDICHERY	53	-	53	47	-	47	22	-	22
Foodgrains	-	-	-	-	-	-	-	-	-
Fertiliser	53	-	53	47	-	47	22	-	22

3.1.6 - Overseas Cargo Traffic Handled In Principal Commodities

		(In '000 Tonnes)									
Commodity		1991-92		1992-93		1993-94					
		:		:		:					
		:Unloaded:Loaded		:Total :Unloaded:Loaded		:Total :Unloaded:Loaded		:Total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)		
ORISSA	118	32	150	154	53	207	131	81	212		
Other Ores	-	32	32	-	53	53	-	81	81		
Fertiliser	118	-	118	69	-	69	131	-	131		
Foodgrains	-	-	0	85	-	85	-	-	-		
TOTAL	2901	4153	7054	4179	4737	8916	3962	6644	10606		
Fertilizer											
Raw Material	2060	49	2109	2928	77	3005	2273	4	2277		
Iron Scrap	177	19	196	21	11	32	2	-	2		
Iron & Other											
Ores	-	358	358	-	216	216	-	154	154		
Foodgrains	14	236	250	465	62	527	165	109	274		
Oil Cakes	-	2068	2068	-	2367	2367	-	2479	2479		
Others	650	1423	2073	765	2004	2769	1522	3898	5420		

3.1.7 - Coastal Cargo Traffic Handled In Principal Commodities (In '000 Tonnes)

Commodity	1991-92		1992-93		1993-94				
	: Unloaded:	: Loaded :	: Total :	: Unloaded:	: Loaded :	: Total :			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
GUJARAT	2179	1148	3327	2105	1024	3129	2432	1071	3503
1. Building Material	518	839	1357	413	703	1116	388	697	1085
2. Salt	5	92	97	-	83	83	-	134	134
3. Others	1655	218	1873	1692	238	1930	2044	240	2284
MAHARASHTRA	305	14	319	298	5	303	622	24	646
1. Building Material*	304	-	304	269	5	274	322	-	322
2. Salt	-	-	-	-	Neg.	-	-	-	-
3. Iron ore	1	14	15	29	-	29	261	24	285
4. Others	-	-	-	-	-	-	39	-	39
GOA	6	6	12	88	124	212	88	124	212
DAMAN & DIU	Neg.	-	Neg.	Neg.	-	Neg.	Neg.	-	Neg.
1. Building Material	Neg.	-	Neg.	Neg.	-	Neg.	Neg.	-	Neg.
2. Others	Neg.	-	Neg.	-	-	-	-	-	-
KARNATAKA	107	71	178	92	58	150	83	64	147
1. Building Material	-	56	56	2	31	33	-	29	29
2. Salt	77	-	77	87	-	87	79	-	79
3. Others	30	15	45	3	27	30	4	35	39
ANDHRA PRADESH	-	-	-	-	-	-	35	-	35
1. Salt	-	-	-	-	-	-	35	-	35

3.1.7 - Coastal Cargo Traffic Handled in Principal Commodities

(In'000 Tonnes)

Commodity	1991-92		1992-93		1993-94					
	:Unloaded:Loaded		:Total :Unloaded:Loaded		:Total :Unloaded:Loaded					
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
KERALA	9	35	44	6	29	35	-	39	39	39
1.Building Material	-	25	25	-	13	13	-	18	18	18
2.Others	9	10	19	6	16	22	-	21	21	21
TAMILNADU	Neg.	-	Neg.	-	-	-	-	-	-	-
1.Others	Neg.	-	Neg.	-	-	-	-	-	-	-
LAKSHADWEEP	33	5	38	33	5	38	33	5	38	38
1.Building Material	16	-	16	16	-	16	16	-	16	16
2.Others	17	5	22	17	5	22	17	5	22	22
ANDAMAN & NICOBAR	205	94	299	205	94	299	205	94	299	299
1.Building Material	42	34	76	42	34	76	42	34	76	76
2.Salt	2	-	2	2	-	2	2	-	2	2
3.Others	161	60	221	161	60	221	161	60	221	221
TOTAL	2844	1373	4217	2827	1339	4166	3498	1421	4919	4919
1.Building Material	880	920	1800	742	786	1528	768	778	1546	1546
2.Salt	84	92	176	91	83	174	116	134	250	250
3.Iron ore	-	-	-	29	-	29	261	24	285	285
4.Others	1880	361	2241	1965	470	2435	2353	485	2838	2838

* Includes Clinkers.

3.1.8 Overseas Cargo Traffic At Selected Minor/Intermediate
Ports During 1992-93 And 1993-94

(In '000 Tonnes)

Port/Commodity	Unloaded		Loaded		Total		
	1992-93	1993-94	1992-93	1993-94	1992-93	1993-94	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	
GUJARAT							
1. Bedi	511	402	2135	2311	2646	2713	
a) Foodgrains	108	108	7	11	115	119	
b) Rock Phosphate	41	-	-	-	41	-	
c) Other Fertilizers	310	288	-	-	310	288	
d) Salt	-	-	-	-	-	-	
e) Oil Cakes	-	-	2113	2299	2113	2299	
f) Others	52	6	15	1	67	7	
2. Okha	318	276	156	297	474	573	
a) Foodgrains	-	-	48	13	48	13	
b) Fertilizer finished	56	28	-	-	56	28	
c) Salt	-	-	9	2	9	2	
d) Other Ores	26	-	-	-	26	-	
e) Coke & Coal	149	188	-	-	149	188	
f) Others	87	60	99	282	186	342	
3. Bhavnagar	569	539	107	180	676	719	
a) Foodgrains	-	-	-	-	-	-	
b) Fertilizer finished	118	170	-	-	118	170	
c) Rock Phosphate	119	228	-	-	119	228	
d) Other fertilizer	180	141	-	-	180	141	
e) Iron Scrap	-	-	-	-	-	-	
f) Others	152	-	107	180	259	180	
4. Navalakhi	344	282	80	169	424	451	
a) Foodgrains	9	-	4	-	13	-	
b) Fertilizer finished	329	271	-	-	329	271	
c) Salt	-	-	76	169	76	169	
d) Others	6	11	-	-	6	11	

3.1.8 Overseas Cargo Traffic At Selected Minor/Intermediate
Ports During 1992-93 And 1993-94

Port/Commodity	(In '000 Tonnes)					
	Unloaded		Loaded		Total	
	1992-93	1993-94	1992-93	1993-94	1992-93	1993-94
(1)	(2)	(3)	(4)	(5)	(6)	(7)
5. Sikka	465	455	54	125	519	580
a) Salt	-	-	-	-	-	-
b) P. Acid	370	347	-	-	370	347
c) Others	95	108	54	125	149	233
6. Surat	398	939	159	599	557	1538
a) Rock Phosphate	174	211	-	-	174	211
b) Other fertilizer	77	31	-	-	77	31
c) Other Ores	-	-	-	-	-	-
d) Others	147	697	159	599	306	1296
MAHARASHTRA						
1. Redi	-	-	-	-	-	-
a) Iron Ore	-	-	-	-	-	-
KARNATAKA						
1. Karwar	160	60	66	79	226	139
a) Foodgrains	80	23	-	-	80	23
b) Rock Phosphate	66	35	-	-	66	35
c) Fertilizer finished	14	-	-	-	14	-
d) Timber	-	-	-	-	-	-
e) P. Acid	-	2	5	-	5	2
f) Others	-	-	61	79	61	79
2. Mangalore	32	21	2	-	34	21
a) Timber	-	-	-	-	-	-
b) Foodgrains	4	-	-	-	4	-
c) Fertilizer finished	15	-	-	-	15	-
d) Others	13	21	2	-	15	21

3.1.8 Overseas Cargo Traffic At Selected Minor/Intermediate
Ports During 1992-93 And 1993-94

(In '000 Tonnes)

Port/Commodity	Unloaded		Loaded		Total		
	1992-93	1993-94	1992-93	1993-94	1992-93	1993-94	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	
KARNATAKA (CONTD.)							
3. Belekari	-	-	61	-	61	-	-
a) Iron Ore	-	-	26	-	26	-	-
b) Manganese Ore	-	-	35	-	35	-	-
KERALA							
Neendakara	-	-	90	59	90	59	59
TAMILNADU							
1. Cuddalore	176	62	-	-	176	62	62
a) Foodgrains	11	-	-	-	11	-	-
b) Fertilizer finished	140	43	-	-	140	43	43
c) Other Ores	25	-	-	-	25	-	-
d) Others	-	19	-	-	-	19	19
ANDHRA PRADESH							
1. Kakinada	509	510	928	1262	1437	1772	1772
a) Foodgrain	18	7	91	26	109	33	33
b) Fertiliser finished	-	438	-	-	-	438	438
c) Rock Phosphate	450	64	18	-	468	64	64
d) Other Ores	-	-	-	5	-	5	5
e) Others	41	1	819	1231	860	1232	1232
ORISSA							
1. Gopalpur	154	131	53	81	207	212	212
a) Other Ores	-	-	53	81	53	81	81
b) Fertiliser finished	69	131	-	-	69	131	131
c) Foodgrains	85	-	-	-	85	-	-
Total (above Ports)	3636	3677	3891	5162	7527	8839	8839
Total for all Minor/ Intermediate Port	4179	3962	4737	6644	8916	10606	10606

3.1.9 Coastal Cargo Traffic At Selected Minor/Intermediate
Ports During 1992-93 And 1993-94
(In '000 Tonnes)

Port/Commodity	Unloaded			Loaded			Total	
	1992-93	1993-94	1992-93	1992-93	1993-94	1992-93	1993-94	1993-94
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
GUJARAT								
1. Okha	64	157	13	13	77	170		
a) Fuel Oil	64	157	-	-	64	157		
b) Bauxite	-	-	12	13	12	13		
c) Others	-	-	1	-	1	-		
2. Surat	2027	2252	213	218	2240	2470		
a) Cement Clinkers	413	386	-	-	413	386		
b) Iron Ore	1614	1861	-	139	1614	2000		
c) Others	-	5	213	79	213	84		
3. Jafrabad	-	2	667	575	667	577		
a) Cement Clinkers	-	2	666	574	666	576		
b) Others	-	-	1	1	1	1		
4. Sikka	-	-	83	90	83	90		
a) Salt	-	-	83	90	83	90		
MAHARASHTRA								
1. Ratnagiri	264	240	5	Neg.	269	240		
a) Cement Clinkers	264	200	5	-	269	200		
b) Ethelene	-	40	-	-	-	40		
c) Others	-	-	-	-	-	-		

3.1.9 Coastal Cargo Traffic At Selected Minor/Intermediate
Ports During 1992-93 And 1993-94

(In '000 Tonnes)

Port/Commodity	Unloaded		Loaded		Total		
	1992-93	1993-94	1992-93	1993-94	1992-93	1993-94	1993-94
(1)	(2)	(3)	(4)	(5)	(6)	(7)	
KARNATAKA							
1. Karwar	86	80	11	-	97	80	
a) Salt	86	79	-	-	86	79	
b) Others	-	1	11	-	11	1	
KERALA							
1. Calicut/Bey pore	6	-	23	33	29	33	
a) Building material	-	-	10	12	10	12	
b) Rice/Wheat	-	-	2	7	2	7	
c) Others	6	-	11	14	17	14	
2. Azhikkal	-	-	5	6	5	6	
a) Building material	-	-	5	6	5	6	
LAKSHADWEEP							
a) Fuel Oil	33	33	5	5	38	38	
b) Others	5	5	Neg	Neg	5	5	
	28	28	5	5	33	33	
Total for above Ports							
a) Fuel Oil	2480	2764	1025	934	3505	3698	
b) Bauxite	69	162	-	-	69	162	
c) Cement Clinkers	-	-	12	13	12	13	
d) Salt	677	588	671	-	1348	588	
e) Iron Ore	86	79	83	90	169	169	
f) Building material	1614	1861	-	139	1614	2000	
g) Rice, Wheat	-	-	5	12	5	12	
h) Ethelene	-	40	2	7	2	7	
i) Others	34	34	-	-	-	40	
			252	673	286	707	
Total All Minor/Intermediate Ports							
	2827	3498	1339	1421	4166	4919	

3.1.10 Cargo Traffic Handled At Selected Minor/Intermediate Ports in 1992-93 And 1993-94

State/Port	Overseas				Coastal				Total			
	Unloaded	Loaded	Unloaded	Loaded	Unloaded	Loaded	Unloaded	Loaded	Unloaded	Loaded	Unloaded	Loaded
	1992-93 : 1993-94	1992-93 : 1993-94	1992-93 : 1993-94	1992-93 : 1993-94	1992-93 : 1993-94	1992-93 : 1993-94	1992-93 : 1993-94	1992-93 : 1993-94	1992-93 : 1993-94	1992-93 : 1993-94	1992-93 : 1993-94	1992-93 : 1993-94
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
GUJARAT	3029	3155	3526	5142	2105	2432	1024	1071	5134	5587	4550	6213
Mandvi	22	77	45	15	-	-	-	-	22	77	45	15
Navlakhi	344	282	80	169	-	-	-	12	344	282	80	161
Bedi	499	402	2123	2311	-	-	-	-	499	402	2123	2311
Sikka	465	456	54	125	-	-	87	90	465	456	137	215
Okha	318	276	156	297	64	157	13	13	382	433	169	310
Porbandar	135	45	682	1017	-	12	8	4	135	57	690	1021
Veraval	247	116	52	143	10	9	29	126	257	125	81	269
Bhavnagar	569	539	107	180	-	-	-	-	569	539	107	180
Surat	398	938	159	599	2027	2252	213	218	2425	3190	372	817
Mundra	31	1	25	27	-	-	-	16	31	1	25	43
Jafrabad	-	-	42	259	-	2	666	575	-	2	708	834
Piparav	-	-	-	-	-	-	11	16	-	-	11	16
Mahuva	-	-	-	-	-	-	1	-	-	-	1	-
Gogha	-	-	-	-	4	-	-	-	4	-	-	-
Dahel	-	20	-	-	-	-	-	-	-	20	-	-
Jakhu	-	-	-	-	-	-	-	-	-	-	-	-
Others	1	3	1	-	-	-	-	1	1	3	1	1
MAHARASHTRA	-	-	-	-	298	622	5	24	298	622	5	24
Ratnagiri	-	-	-	-	264	240	4	-	264	240	4	-
Redi	-	-	-	-	-	40	1	22	-	40	1	22

3.1.10 Cargo Traffic Handled At Selected Minor/Intermediate Ports in 1992-93 And 1993-94

State/Port	Overseas				Coastal				Total			
	Unloaded	Loaded	Unloaded	Loaded	Unloaded	Loaded	Unloaded	Loaded				
: 1992-93 : 1993-94 : 1992-93 : 1993-94 : 1992-93 : 1993-94 : 1992-93 : 1993-94												
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
MAHARASHTRA (CONTD.)												
Revanda	-	-	-	-	1	-	-	-	1	-	-	-
Utwa-Belapur	-	-	-	-	3	-	-	-	3	-	-	-
Dharamtar	-	-	-	-	1	-	-	-	1	-	-	-
Dabhol	-	-	-	-	-	1	neg.	-	-	-	1	neg.
Jalga	-	-	-	-	-	220	-	-	2	-	220	2
Vijaydurg	-	-	-	-	-	121	-	-	-	-	121	-
Others	-	-	-	-	-	-	-	-	-	-	-	-
GOA	-	-	1	-	88	68	124	124	88	88	124	124
Panaji	-	-	1	-	-	-	-	-	-	-	1	1
Daman & Diu	-	-	-	-	neg.	neg.	-	-	-	-	-	-
Daman	-	-	-	-	neg.	neg.	-	-	-	-	-	-
KARNATAKA												
Karwar	192	81	128	82	92	63	58	64	284	164	186	146
Managalore	160	60	67	79	86	60	6	2	246	140	73	81
Belakeri	32	21	-	-	3	3	24	31	35	24	24	31
Tadri	-	-	61	-	-	-	-	-	-	-	61	-
Honawar	-	-	-	-	-	-	3	5	-	-	3	5
Kundapura	-	-	-	-	-	-	1	1	-	-	1	1
Majpe	-	-	-	3	3	-	6	2	-	-	6	2
	-	-	-	3	3	-	18	23	3	-	18	26

3.1.10 Cargo Traffic Handled At Selected Minor/Intermediate Ports in 1992-93 And 1993-94

State/Port	Overseas				Coastal				Total			
	Unloaded	Loaded	Unloaded	Loaded	Unloaded	Loaded	Unloaded	Loaded	Unloaded	Loaded	Unloaded	Loaded
	1992-93	1993-94	1992-93	1993-94	1992-93	1993-94	1992-93	1993-94	1992-93	1993-94	1992-93	1993-94
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
KERALA	-	1	90	59	6	-	29	39	6	1	119	98
Calicut/												
Bey pore	-	1	-	-	6	-	23	33	6	1	23	33
Neendakara	-	-	90	59	-	-	-	-	-	-	90	59
Azhikkal	-	-	-	-	-	-	6	6	-	-	6	6
TAMIL NADU	248	62	12	18	-	-	-	-	248	62	12	18
Nagapattinam	69	-	-	-	-	-	-	-	69	-	-	-
Cuddalore	176	62	-	-	-	-	-	-	176	62	-	-
Colachel	-	-	12	18	-	-	-	-	-	-	12	18
Rameswaram	3	-	-	-	-	-	-	-	3	-	-	-
PONDICHERY	47	22	-	-	-	-	-	-	47	22	-	-
ANDHRA PRADESH	509	510	928	1262	-	35	-	-	509	545	928	1262
KARNATAKA	509	510	928	1262	-	35	-	-	509	545	928	1262
ORISSA	154	116	53	32	-	-	-	-	154	116	53	32
Gopalpur	154	116	53	32	-	-	-	-	154	116	53	32
SEA ISLANDS	-	-	-	-	238	238	99	99	238	238	99	99
A & N Islands	-	-	-	-	205	205	94	94	205	205	94	94
Lakshadweep	-	-	-	-	33	33	5	5	33	33	5	5

3.1.11 State-Wise Cargo Handled At Minor/Intermediate Ports
(1992-93 And 1993-94) By Steamers And Sailing Vessels

(In '000 Tonnes)

State / Port	Overseas					Coastal					Total				
	Unloaded	Loaded	Unloaded	Loaded	Unloaded	Loaded	Unloaded	Loaded	Unloaded	Loaded	Overseas&Coastal				
: 1992-93 : 93-94 : 1992-93 : 93-94 : 1992-93 : 93-94 : 1992-93 : 93-94 : 1992-93 : 93-94															
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)					
GUJARAT	3029	3155	3526	5142	2105	2432	1024	1071	9684	11800					
Steamers	3021	3148	3475	5094	2101	2431	1005	1047	9602	11720					
Sailing Vessels	8	7	51	48	4	1	19	24	82	80					
MAHARASHTRA	-	-	-	-	298	622	5	24	303	646					
Steamers	-	-	-	-	292	622	5	24	297	646					
Sailing Vessels	-	-	-	-	6	-	-	-	6	-					
GOA	-	-	-	-	88	88	124	124	212	212					
Steamers	-	-	-	-	88	88	124	124	212	212					
Sailing Vessels	-	-	-	-	-	-	-	-	-	-					
DAMAN & DIU	-	-	-	-	-	-	-	-	-	-					
Steamers	-	-	-	-	-	-	-	-	-	-					
Sailing Vessels	-	-	-	-	neg.	-	-	-	-	-					
KARNATAKA	192	81	128	82	92	83	58	64	470	310					
Steamers	192	81	128	78	86	80	7	4	413	243					
Sailing Vessels	-	-	-	4	6	3	51	60	57	67					
KERALA	-	1	90	59	6	-	29	39	125	99					
Steamers	neg.	1	90	59	-	-	-	3	90	63					
Sailing Vessels	-	-	-	-	6	-	29	36	35	36					

3.1.11 State-Wise Cargo Handled At Minor/Intermediate Ports
(1992-93 And 1993-94) By Steamers And Sailing Vessels
(In '000 Tonnes)

State / Port	Overseas					Coastal					Total	
	Unloaded	Loaded	Unloaded	Loaded	Unloaded	Unloaded	Loaded	Unloaded	Loaded	Unloaded	Loaded	
	1992-93	93-94	1992-93	93-94	1992-93	93-94	1992-93	93-94	1992-93	93-94	1992-93	93-94
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)		
TAMILNADU	248	62	12	18	-	-	-	-	-	260	80	
Steamers	248	62	12	18	-	-	-	-	-	260	80	
Sailing Vessels	-	-	-	-	-	-	-	-	-	-	-	
PONDICHERRY	47	22	-	-	-	-	-	-	-	47	22	
Steamers	47	22	-	-	-	-	-	-	-	47	22	
Sailing Vessels	-	-	-	-	-	-	-	-	-	-	-	
ANDHRA PRADESH	509	510	928	1262	-	35	-	-	-	1437	1807	
Steamers	509	510	928	1262	-	35	-	-	-	1437	1807	
Sailing Vessels	-	-	-	-	-	-	-	-	-	-	-	
ORISSA	154	131	53	81	-	-	-	-	-	-	-	
Steamers	154	131	53	81	-	-	-	-	-	207	212	
Sailing Vessels	-	-	-	-	-	-	-	-	-	207	212	
SEA ISLANDS	-	-	-	-	-	-	-	-	-	-	-	
Steamers	-	-	-	-	238	238	99	99	99	337	337	
Sailing Vessels	-	-	-	-	238	238	99	99	99	337	337	
Total	4179	3962	4737	6644	2827	3498	1339	1421	13082	15525		
Steamers	4171	3955	4686	6592	2805	3494	1240	1301	12902	15342		
Sailing Vessels	8	7	51	52	22	4	99	120	180	183		

3.1.12 - Port-Wise Cargo Traffic Handled By Steamers / Sailing Vessels - 1993-94
(In Tonnes)

State / Selected Port	Steamers				Sailing Vessels				Total	
	Overseas		Coastal		Overseas		Coastal		Steamers	Sailing Vessels
	UL	L	UL	L	UL	L	UL	L		
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.
GUJARAT	3148332	5094233	2431552	1046468	6823	47850	791	24278	11720585	79702
Mandvi	76926	15400	-	-	-	-	-	-	92326	-
Navlakhi	282467	168523	-	11525	-	-	-	-	462515	-
Bedi	396717	2310828	-	-	5006	-	-	-	2707545	5006
Sikka	455557	124911	-	90087	-	-	-	-	670555	-
Okha	275533	282772	156716	12380	201	13926	-	788	727401	14915
Porbunder	44677	1009988	11799	-	341	7207	417	4175	1066464	12140
Veraval	115812	143135	8829	123501	452	149	298	2495	381277	3394
Bhavnagar	509432	180471	-	-	-	-	-	-	688903	-
Surat	938786	595040	2252011	218525	823	26568	-	-	4008362	-
Mundra	-	-	-	16129	-	-	-	-	16129	27391
Jafrabad	-	259165	1966	574321	-	-	76	290	835452	366
Dahaj	20267	-	-	-	-	-	-	-	20267	-
Others	32158	-	231	-	-	-	-	16490	32389	16490
MAHARASHTRA	-	-	622120	24262	-	-	-	-	646382	-
Ratnagiri	-	-	240124	190	-	-	-	-	240314	-
Redi	-	-	40420	22145	-	-	-	-	62565	-
Utva Belapur	-	-	120508	-	-	-	-	-	120508	-
Ravdanda	-	-	220333	1927	-	-	-	-	222260	-
Others	-	-	735	-	-	-	-	-	735	-
KERALA	572	59150	-	3137	-	-	14	32786	62859	32800
Neendakana	-	59150	-	-	-	-	-	-	59150	-
Kozhikoda	572	-	-	3137	-	-	14	26996	3709	27010
Azhikkal	-	-	-	-	-	-	-	5790	-	5790

Note : UL - Unloaded; L - Loaded.

3.1.12 - Port-Wise Cargo Traffic Handled By Steamers / Sailing Vessels - 1993-94
(In Tonnes)

State / Selected port	Steamers										Sailing Vessels				Total				
	Overseas					Coastal					Overseas					Coastal			
	UL		L		UL	UL		L		UL	UL		L			UL	UL		L
	2.	3.	4.	5.		6.	7.	8.	9.		10.	11.							
GOA	-	-	88662	124693	-	-	-	-	213355	-	-	-	-	-	-	-	-	-	
DAMAN & DIU	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Daman	-	-	-	-	-	-	-	308	-	-	-	-	-	-	-	-	308	-	
KARNATAKA	81256	78611	79995	4635	-	3547	2448	59637	244497	65632	-	-	-	-	-	-	-	-	
Tadri	-	-	-	4635	-	-	-	-	4635	-	-	-	-	-	-	-	-	-	
Karwar	60315	78611	79995	-	-	-	-	2480	218921	2480	-	-	-	-	-	-	-	2480	
Mangalore	20941	-	-	-	-	-	2448	30898	20941	33346	-	-	-	-	-	-	-	33346	
Others	-	-	-	-	-	3547	-	26259	-	28806	-	-	-	-	-	-	-	-	
TAMILNADU	62245	17770	-	-	-	-	-	-	60015	-	-	-	-	-	-	-	-	-	
Cuddalore	61781	-	-	-	-	-	-	-	61781	-	-	-	-	-	-	-	-	-	
Nagapattinam	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Colachel	-	17770	-	-	-	-	-	-	17770	-	-	-	-	-	-	-	-	-	
Vallinokkam	464	-	-	-	-	-	-	-	464	-	-	-	-	-	-	-	-	-	
PONDICHERRY	22295	-	-	-	-	-	-	-	22295	-	-	-	-	-	-	-	-	-	
ANDHRA PRADESH	509884	1262232	35326	-	-	-	-	-	1807442	-	-	-	-	-	-	-	-	-	
Kakinada	509884	1262232	35326	-	-	-	-	-	1807442	-	-	-	-	-	-	-	-	-	
ORISSA	130327	81364	-	-	-	-	-	-	211691	-	-	-	-	-	-	-	-	-	
Gopalpur	130327	81364	-	-	-	-	-	-	211691	-	-	-	-	-	-	-	-	-	
LAKSHADWEEP	-	-	33430	4514	-	-	-	-	37944	-	-	-	-	-	-	-	-	-	
ANDAMAN & NICOBAR	-	-	205711	94722	-	-	-	-	300433	-	-	-	-	-	-	-	-	-	
TOTAL	3954339	6534210	3736920	1299484	6823	51397	3547	83875	15524953	145642	-	-	-	-	-	-	-	-	

Note : UL - Unloaded; L - Loaded.

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3.2.1 Passenger Traffic Handled At Minor/Intermediate Ports
(In '00 Numbers)

Year	Overseas			Coastal			Total	
	Embarked	Disembarked	Embarked	Disembarked	Embarked	Disembarked	Embarked	Disembarked
(1)	(2)	(3)	(4)	(5)	(6)	(7)		
1970-71	371	627	69103	9764	69474	10391		
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		

3.2.2 - State-wise Passenger Traffic - Overseas And Coastal

(In '000 Numbers)

State/UT/Port	1970-71	1975-76	1980-81	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
GUJARAT	470	385	750	244	283	283	596	10697	1056	1056	1602	1037
Embarked	211	193	398	125	168	168	311	5329	531	531	827	551
Disembarked	259	192	352	119	116	115	285	5368	525	525	775	486
MAHARASHTRA	17676	43503	42368	102429	107078	140304	155919	139701	121817	135137	128146	132928
Embarked	8715	21396	20939	51660	53356	70238	77968	70199	62236	67790	65396	66964
Disembarked	8961	22107	21429	50769	53722	70066	77951	69502	59581	67347	62750	65964
GOA	50799	591	1435	1472	2194	1587	1587	...	-	-	-	-
Embarked	50256	374	1435	775	1060	817	817	...	-	-	-	-
Disembarked	543	317	-	697	1134	770	770	...	-	-	-	-
KARNATAKA	-	-	-	-	-	-	-	-	-	-	-	-
Embarked	-	-	-	-	-	-	-	-	-	-	-	-
Disembarked	-	-	-	-	-	-	-	-	-	-	-	-
KERALA	28	27	7	-	-	70	20	36	33	33	39	50
Embarked	9	14	4 Neg.	Neg.	Neg.	10	10	11	4	4	21	26
Disembarked	19	13	3 Neg.	Neg.	Neg.	10	10	25	29	29	18	24

3.2.2 - State-Wise Passenger Traffic - Overseas And Coastal

(In '000 Numbers)

State/UT/Port (1)	1970-71 (2)	1975-76 (3)	1980-81 (4)	1985-86 (5)	1986-87 (6)	1987-88 (7)	1988-89 (8)	1989-90 (9)	1990-91 (10)	1991-92 (11)	1992-93 (12)	1993-94 (13)
TAMILNADU	972	922	1825	-	-	14021	14380	14494	-	-	42	-
Embarked	363	415	829	-	-	7051	7190	7247	-	-	42	-
Disembarked	609	507	996	-	-	6970	7190	7247	-	-	-	-
SEA-ISLANDS	...	672	1043	1431	1457	1683	1683	3288	4685	4833	4833	4833
ANDAMAN GROUP	...	533	731	654	854	854	854	3288	4685	4833	4833	4833
Embarked	...	256	341	375	375	375	375	1547	2269	2308	2308	2308
Disembarked	...	277	390	479	479	479	479	1741	2416	2525	2525	2525
LAKSHADWEEP GROUP	...	139	312	577	603	829	1029	1047	...	...	...	...
Embarked	...	67	156	278	302	410	517	508	...	...	...	...
Disembarked	...	72	156	299	301	419	512	538	...	...	...	...
ALL MINOR/ INTERMEDIATE PORTS	79945	46200	47428	105576	111012	157898	174385	189282	127601	141050	134062	130790
Embarked	69554	22715	24102	53213	55261	79069	87186	84642	65040	70633	68594	69823
Disembarked	10391	23485	23326	52363	55751	78829	87197	84421	62551	70426	66068	68975

* The data of Lakshadweep was not received commodity wise.

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- : taka	Kerala :	Tamil Nadu	Pondi- : cherry	Andhra : Pradesh	Orissa	Sea : Islands	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
STEAMERS											
1988-89	1645	217	176	-	41	57	52	32	123	4	174
1989-90	1657	153	176	-	44	57	50	17	145	6	174
1990-91	1273	164	176	-	56	41	32	4	128	5	174
1991-92	1199	132	176	-	62	41	19	2	143	7	174
1992-93	2030	117	104	-	83	45	31	2	153	10	174
1993-94	2109	132	104	-	65	55	20	2	184	11	174
SAILING VESSELS											
1988-89	7208	23971	-	212	871	313	172	21	-	-	221
1989-90	7208	19012	-	356	945	313	148	21	-	-	221
1990-91	5082	19150	16	253	821	481	61	44	-	-	221
1991-92	5179	19800	17	427	932	418	57	21	-	-	221
1992-93	2186	18390	11	255	1162	402	33	21	-	-	221
1994-94	6716	20053	11	255	813	389	88	-	184	-	221
TOTAL											
1988-89	8853	24188	176	212	912	370	224	53	123	4	395
1989-90	8865	19165	176	356	989	370	198	38	145	6	395
1990-91	6355	19314	192	253	877	522	93	48	128	5	395
1991-92	6378	19932	193	427	994	459	76	23	143	7	395
1992-93	4216	18507	115	255	1245	447	64	23	153	10	395
1993-94	8825	20185	115	255	878	444	88	2	184	11	395

3.4.1 - Employment At Minor Ports

(In Number)

State/UT	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Gujarat	4211	4211	4211	4612	4601	4601	4601	4601	4601	4601	4601
Maharashtra	257	250	249	244	230	236	230	230	230	234	235
Goa	174	174	150	149	160	160	160	145	150	168	168
Daman & Diu	9	9	9	9	9	9	8	7	8	22	22
Karnataka	477	477	131	135	135	135	154	257	297	297	297
Kerala	291	291	401	410	930	930	930	1349	1349	1345	1331
Tamil Nadu	387	392	365	363	376	376	264	264	264	261	301
Pondicherry	75	75	75	75	75	75	120	119	119	114	119
Orissa	-	-	-	189	189	189	189	189	189	163	163
Andhra Pradesh	497	497	497	619	619	610	122	115	120	123	123
Andaman Group	...	...	...	...	...	...	...	1643	1663	1663	1663
Lakshadweep Group	102	102	106	106	106	131	133	131	131	131	131
Total	6480	6478	6194	6911	7430	7461	6911	9050	9121	9142	9174

SECTION -IV

GENERAL TABLES

4.1.1 State-Wise Navigational Aids And Berths At Ports As On 31.3.1994

Maritime States/ U.Ts.	General Light house	Light buoy	VHF/HF RT set.	Decca Navigator Chain	Radio Beacon	Racon	Light vessel	Launches	Light House
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Gujarat	54	12	26	4	3	6	1	4	-
Maharashtra	16	-	4	-	2	-	-	-	1
Goa, Daman & Diu	2	-	-	-	1	-	-	-	-
Karnataka	5	-	2	-	1	-	-	-	-
Kerala	15	-	-	-	1	1	-	-	-
Tamilnadu	11	-	-	-	1	1	-	-	-
Pondicherry	1	-	-	-	1	-	-	-	-
Andhra Pradesh	12	-	-	-	3	-	-	-	-
Orissa	5	-	5	-	2	-	-	-	-
West Bengal	1	-	3	-	1	-	-	-	-
Andaman & Nicobar Islands	24	-	-	-	2	2	-	-	1
Lakshadweep	14	-	-	-	2	2	-	-	-
Total	160	12	40	4	20	12	1	4	2

Source :- Department of Lighthouses & Lightships.

4.1.2 International Maritime Transport - Monthly Average Cargo Loaded and Unloaded in External Trade

(In Million Tonnes)

Country	Unloaded												Loaded				
	1988	1989	1990	1991	1992	1993	1988	1989	1990	1991	1992	1993					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)					
Argentina	0.75	0.62	0.49	0.57	...	...	2.34	2.13	3.07	3.07	...	...					
Australia	2.43	2.91	2.60	2.77	3.09	...	22.01	23.01	23.99	26.61	26.33	...					
Belgium	7.04	6.50	7.39	5.58	7.41	...	4.05	4.06	4.17	2.42	4.76	...					
Brazil	4.84	4.77	...	...	...	...	14.12	13.40	...	...	...	...					
China	6.71	6.87	6.18	7.29	8.47	...	6.73	6.61	7.70	9.02	8.82	...					
Denmark	2.53	2.56	2.46	2.71	2.86	...	1.04	1.16	1.22	1.37	1.46	...					
Egypt	1.64	1.54	1.50	1.85	1.33	1.91	0.79	0.82	0.72	1.02	1.14	1.23					
Finland	2.66	2.80	2.90	2.69	2.58	2.71	1.95	1.87	2.00	2.22	2.67	2.66					
France	14.75	14.88	14.75	15.58	15.20	...	4.63	5.01	5.15	4.83	5.10	...					
Germany(FR)	7.79	7.75	8.13	8.53	9.83	9.95	3.68	3.94	3.69	3.71	4.63	4.80					
Greece	2.64	2.70	2.93	3.01	3.15	...	2.04	2.14	1.86	1.68	1.70	...					
Hongkong	4.45	4.27	4.36	5.16	4.76	5.69	2.31	1.87	1.87	2.19	2.27	2.32					
India	4.97	4.87	5.20	5.24	6.48	6.62	3.89	4.15	3.96	4.08	3.99	4.99					
Indonesia	1.86	2.35	2.57	2.91	3.00	...	9.74	8.68	9.13	9.45	12.63	...					
Italy	16.60	17.75	18.89	18.65	18.76	...	3.21	3.18	3.49	3.54	3.84	...					
Japan	55.57	58.60	59.30	60.43	58.97	60.14	6.73	6.76	7.03	7.49	8.34	8.78					
Korea(Rep. Of)	12.02	12.75	14.36	17.37	18.54	20.52	4.53	4.24	3.96	4.33	5.24	6.10					
Malaysia	2.03	2.27	2.44	2.63	2.75	2.98	1.33	1.53	1.56	1.50	1.64	1.82					
Mexico	1.10	3.73	3.74	4.14	4.34	...	7.85	9.40	11.03	10.27	10.45	...					
Netherlands	22.21	23.37	23.44	23.89	24.10	...	7.32	7.72	7.65	7.54	7.42	...					
Norway	1.58	1.51	1.58	1.56	1.53	1.66	5.31	6.91	7.43	7.27	8.46	9.12					

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

(In Million Tonnes)

Country	Unloaded												Loaded											
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)
Panama	5.59	5.35	5.59	5.27	5.27	5.27	5.18	7.52	7.63	7.89	8.34	8.20	8.42											
Philippines	2.21	2.39	2.64	2.53	2.53	2.84	...	1.15	1.09	1.18	1.18	1.07	...											
Poland	1.52	1.42	1.04	1.08	1.08	1.27	1.28	2.67	2.28	2.56	2.08	2.11	2.65											
Singapore	7.01	8.11	8.85	9.71	9.71	11.37	13.25	4.82	6.30	6.80	7.48	8.44	9.56											
South Africa	1.12	1.13	...	...	...	...	...	5.93	7.99	...	...	...	...											
Spain	8.80	9.73	10.16	10.86	10.86	11.16	...	3.44	3.31	3.36	3.36	3.40	...											
Sweden	4.60	4.66	4.58	4.46	4.46	4.60	4.75	3.72	3.68	3.72	3.79	3.90	4.00											
Turkey	4.04	3.62	4.59	6.41	6.41	4.35	5.14	7.10	11.51	5.28	3.51	2.21	1.91											
United Kingdom	13.31	14.03	14.17	14.30	14.30	14.69	...	10.76	9.57	10.37	10.69	11.15	...											
United States	38.45	41.16	41.27	37.41	37.41	40.29	44.89	30.10	31.76	31.00	32.46	32.69	30.01											
Yugoslavia	1.74	1.76	1.32	0.85	0.85	...	...	0.74	0.65	0.73	0.71	...	...											

Source (Except India) : Monthly Bulletin Of Statistics (U.N.) - March, 1995.

4.1.3 Estimated Share Of Foreign Trade By Sea In Total Foreign
Trade Of India By All Modes Of Transport During
1980-81 TO 1994-95

(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)
1980-81	6711	79.1	12549	90.8	86.7
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	82338	66.3	88705	80.3	73.6

Source:

- 1) Ministry of Commerce.
- ii) RBI Publication, Report on Currency and Finance.
- P : Provisional.

4.1.6 Transport Sector - Outlay And Expenditure Under The Plans

(Rs. in Crores)

Sector	Fifth Plan (1974-78)		Sixth Plan (1980-85)		Seventh Plan (1985-90)		Eighth Plan (1992-97)		Annual Plan (1992-93)		Annual Plan (1993-94)		Annual Plan (1994-95)		Annual Plan (1995-96)	
	Out- lay	Expen- diture	Out- lay	Expen- diture	Out- lay	Expen- diture	Out- lay	Expen- diture	Out- lay	Expen- diture	Out- lay	Expen- diture	Out- lay	Expen- diture	Out- lay	Expen- diture
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1. Railway	2202	2063	5100	5585	12334	16549	27202	5710	6162	5900	5901	7149	6889	7694	7694	7694
2. Roads	1353	1701	3439	3887	5200	6335	12833	2271	2297	2749	2588	3175	3199	3753	3753	3753
3. Road Transport	461	503	1196	1276	1990	2151	4119	541	551	720	661	834	810	800	800	800
4. Ports (including minor ports)	571	488	947	725	1230	1513	3557	574	318	676	734	554	564	681	747	747
5. Shipping	450	469	755	468	827	720	3669	1296	384	1165	862	1371	1363	391	1081	1081
6. I.W.T.	32	16	72	63	226	188	331	56	19	56	25	47	42	44	74	74
7. Light Houses & Light ships.	14	9	12	*	30	*	57	25	5	14	10	15	*	15	15	15
8. Civil Air Transport	337	294	859	957	758	1948	4083	1050	882	1614	1146	1719	2341	3847	2101	2101
9. Other Transport	-	-	-	-	49	72	239	33	32	47	60	26	29	70	94	94
10. Total Transport Sector	5420	5543	12060	13961	22644	29476	56090	11756	10650	13941	11987	14890	15237	18095	16448	16448
11. Share of Ports & LH & LS in the transport sector	10.8%	9.0%	5.5%	5.2%	5.6%	5.1%	6.4%	5.9%	3.0%	4.9%	6.2%	3.8%	3.7%	5.0%	4.6%	4.6%

* : Included in Ports.

8 : Farakka Barage & Hooghly River Training projects.

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

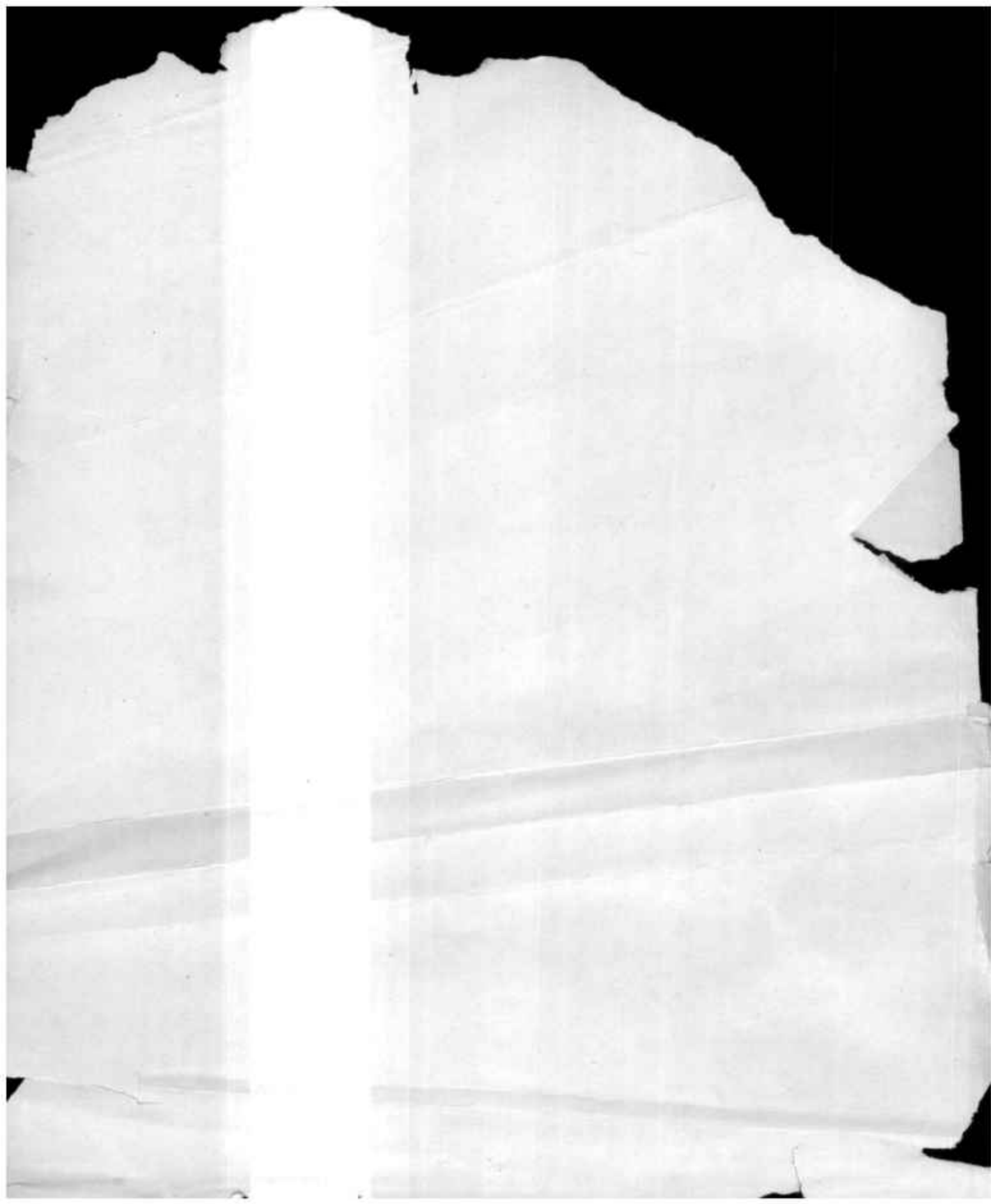
2. Plan Documents.

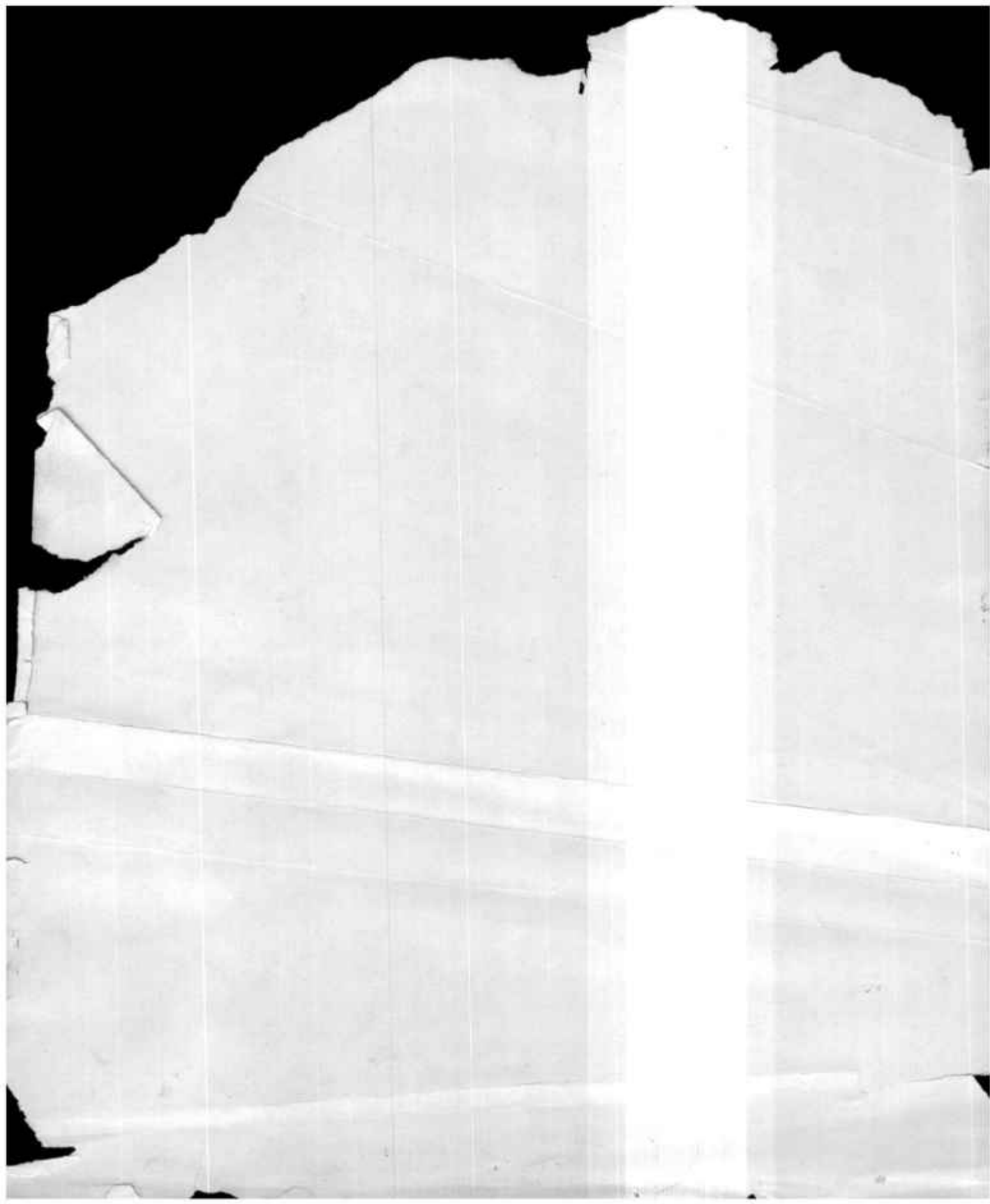
DEFINITIONS OF TERMS USED

- 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 : A bulk cargo ship designed to carry ore and oil enabling thereby to be loaded in both directions.
7. Tankers : 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 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 : A scalar with only magnitude but no direction such as the total of exports and imports or loaded and unloaded cargo.
22. Traffic flows : A vector with magnitude and direction such as passengers embarked/disembarked or cargo exports/imports.

23. Gang
: Gang is a group of workers formed as one unit for the purpose of handling cargo in the act of discharging from or loading on to the ship inside the ship inside the hatch-hold of the vessel or in the deck as per necessity.
24. Gang shift
: Refers to a gang (irrespective of number of persons in the gang) working in one shift.
25. Gang hours
: Number of hours per shift multiplied by number of gang shifts.
26. Cranage
: The hire charges for providing a port crane for cargo handling.
27. Wharfage
: A port charge on the ships for all cargo conveyed on over or through a wharf/berth.





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