

C O N T E N T S

1992-93
(23)

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Kandla	Bombay	Mormu	Manga	Cochin	corin	Madras	khapa	Paradip	Bald

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- 11.

i) Dry-bulk	1451	758	12074	11107	1191	2979	5118	4933	4191	3623	498
ii) Tankers	26878	13632	6207	6359	15767	5096	12887	11799	10730	13079	22422
iii) Break-bulk	958	465	719	733	417	705	481	846	666	551	381
iv) Container	1867	1545	-	554	837	676	2075	1240	-	1938	987
v) All Types	5546	2110	10429	4412	3714	2130	3912	5325	4082	5659	560

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SECTION - IV

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

1. Ports are meant to provide sea-borne vessels some basic services such as dock, harbour or berth facilities for the ships and landing facilities for the passengers and cargo. Apart from this ports provide cranes, warehouses, labour for cargo handling and transport.
2. Besides 11 major ports viz. Kandla, Bombay, J.L.Nehru, Mormugao, New Mangalore, Cochin, Tuticorin, Madras, Visakhapatnam, Paradip and Calcutta/Haldia, 163 minor/intermediate ports are 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 born 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 trust is appointed by Central Govt. Besides Chairman, the Port Trust Board comprises of Deputy Chairman, representatives of Customs, Railways, Defence, State Govt., Shipowners, Shippers, etc. All members of the Board, other than the Chairman and Deputy Chairman are part time Members.

5. The Central Govt. provides resources for modernisation and development of major ports. The Major Port Trusts 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 their areas, 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 movements and providing water facilities for the visiting ships. Similarly the main sources of revenue from ship traffic are (i) Port dues (ii) Pilotage (iii) Berthhire (iv) Survey and measuring fees (v) Ship repairs in dock areas.

7. The main activities of port are - (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 etc. (ix) Management of port properties and estates.

8. To carry out 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.

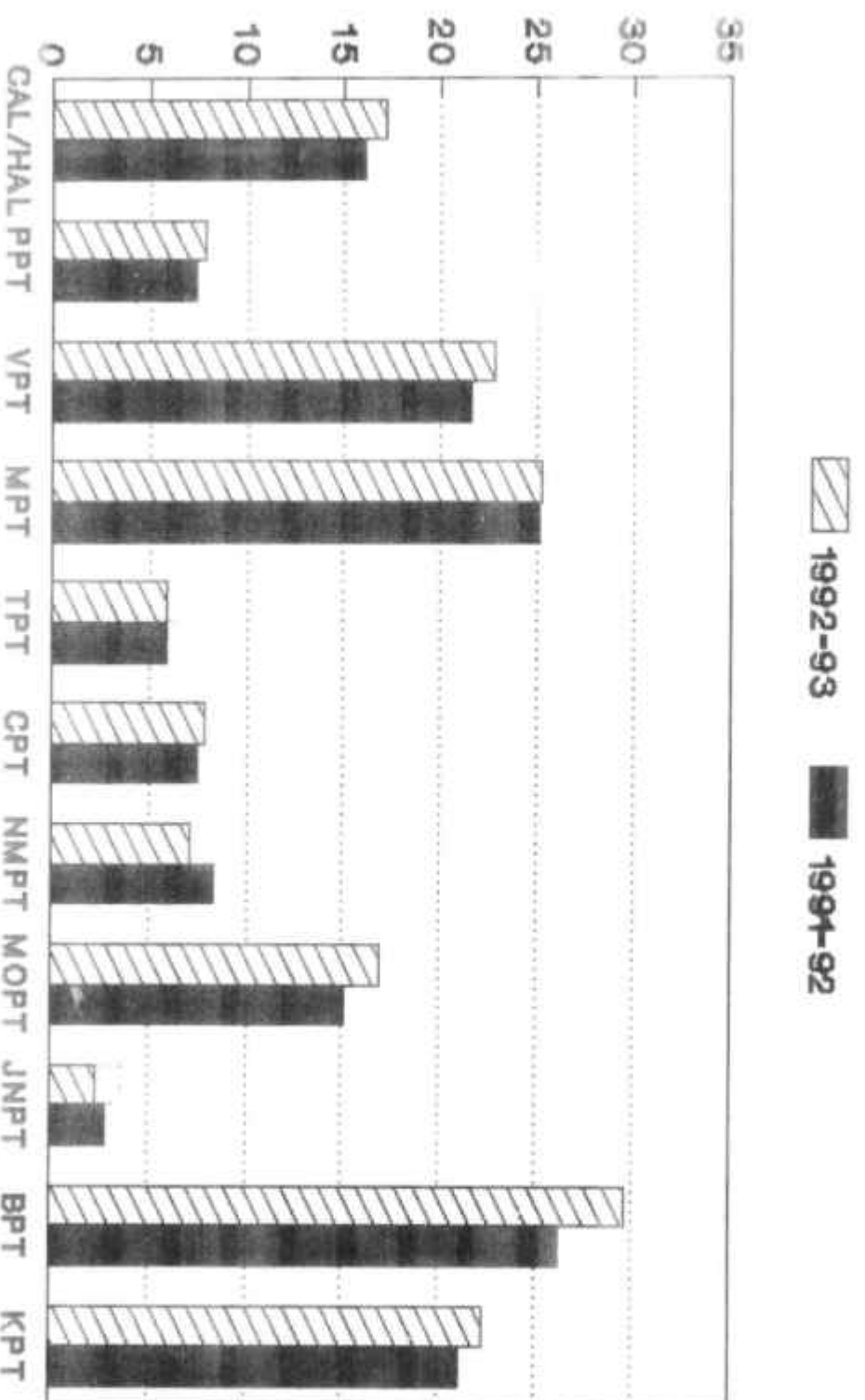
9. The capacity of a port is the aggregate capacity of individual berths depending upon the type of commodity handled at that berth. There is a wide range of factors which influence the capacity of these berths. Portwise as well commoditywise break-up of capacity is as under :-

Port		(in million tonnes)	
	Port capacity as on		
	31.3.92	31.3.93-	
1. Calcutta and Haldia	22.73	23.53	
2. Paradip	7.65	7.65	
3. Visakhapatnam	22.45	23.05	
4. Madras	22.07	22.07	
5. Tuticorin	5.10	5.10	
6. Cochin	10.66	10.66	
7. New Mangalore	9.55	9.55	

PERFORMANCE OF MAJOR PORTS

- 1992-93-

Traffic Handled at Major Ports (in million tonnes)



(NIC-STID)

Performance of Ports at a Glance
1992-93

At present there are 11 major ports and 163 minor/intermediate ports in the country. The major ports in the country handled 166.61 million tonnes of cargo during the year 1992-93 as against 156.64 million tonnes handled during 1991-92 and thus registered an increase of 6.4% during 1992-93. Traffic handled at minor ports during 1992-93 was 12.41 million tonnes which is only 7% of the traffic handled at major ports. Traffic handled at minor ports was 10% higher than that of 1991-92. Statewise overseas and coastal traffic at minor ports is given in Table-VI.

2. Trend analysis of commoditywise cargo traffic handled in 1992-93 at major ports shows that commodities like POL, coal, fertilizer, food-grains and others including containerised cargo registered increase while commodities like iron ore and fertilizer raw material showed decline in 1992-93 as compared to 1991-92.

3. POL handled during 1992-93 was 73.70 million tonnes as against 67.60 million tonnes during 1991-92. The increase in POL was 9%. The fertilizer handled during 1992-93 was 3.58 million tonnes as against 3.15 million tonnes during 1991-92. The percentage increase in case of fertilizer during 1992-93 was 13.7%. The total amount of food-grains handled during 1992-93 was 2.24 million tonnes whereas it was 1.54 million

tonnes during 1991-92. The percentage increase in this case was 45.5%. During 1992-93, 24.37 million tonnes of coal was handled as against 22.40 million tonnes during 1991-92 registering an increase of 8.8%. The containerised cargo handled during 1992-93 was 8.98 million tonnes as against 6.72 million tonnes during 1991-92. The percentage increase in this case was 33.6%. The number of containers handled during 1992-93 was 798 thousands as against 681 thousands during 1991-92. The percentage increase during 1992-93 was 17.2%.

4. Fertilizer raw material (Dry) during 1992-93 was 3.80 million tonnes against 3.96 million tonnes during 1991-92. In case of iron ore, the quantity handled was 29.79 million tonnes during 1992-93 as against 31.60 million tonnes during 1991-92. The decline of 6.1% was mainly due to recession, in the world as well as Japan markets.

5. The total traffic handled at major ports was 166.61 million tonnes during 1992-93 as against the capacity of 169.23 million tonnes (as on March, 92) available at all major ports to handle traffic.

6. Ships sailed after cargo operation increased from 9094 in 1991-92 to 10044 in 1992-93 thereby registering an increase of 10.4 percent.

7. The average pre-berthing detention at all India level was 1.9

days during 1992-93 as against 1.54 days during 1991-92. This increase in 1992-93 in average pre-berthing waiting time was mainly due to fertilizer and FRM and other dry bulk cargo vessels. In the year 1992-93, the average turn round time was 7.5 days whereas it was 6.7 days in the year 1991-92. Increase in average turn round time in 1992-93 was mainly due to commodities like fertilizer, FRM and other dry bulk and coking coal. In case of fertilizers average turn round time at all ports was 37 days while in case of FRM it was about 19 days and other dry bulk about 15 days. In case of coking coal and general cargo it was around 10 days. Average non-working time at berth for all ports was 2.37 days in 1992-93 as against 2.13 days in 1991-92. It was maximum in case of fertilizers and fertilizers raw material, etc.

8. Performance indicators like average pre-berthing detention, average turn round time, percentage idle time to time at working berth, output per ship berth day for various categories of vessels sailed like dry bulk vessels, tankers, break bulk vessel, containers are given in Table-VIII.

9. Portwise performance during 1992-93 is as under :-

KANDLA

Kandla port handled 22.91 million tonnes during 1992-93 as against 21.00 million tonnes during 1991-92 registering an increase of 9.1%. The main commodities handled at Kandla port are POL, fertilizer, FRM and food-grains. In 1992-93 increase was mainly in case of POL. Capacity utilisation of the Port during 1992-93 was 112 per cent. Average pre-berthing time at Kandla port was 3.53 days in 1992-93 in comparison to 3.56 days in 1991-92 and 1.9 days for all ports during 1992-93. Average pre-berthing time during 1992-93 was more in commodities like coking coal, fertilizer and fertilizer raw material. Average turn round time was 8.6 days in 1992-93 as compared to 7.5 days for all ports. However, it was more in coking coal, fertilizer, FRM, other dry bulk and general cargo. Average non-working time at Kandla port was 1.5 days as compared to 2.4 days for all ports during 1992-93. In 1991-92 it was 1.6 days. Overseas and coastal traffic unloaded at Kandla port is 21% of total unloaded traffic at all ports. It is more than all other major ports like Bombay, Madras and Calcutta/Haldia, etc.

BOMBAY

Bombay port handled 29.08 million tonnes during 1992-93 as against 26.26 million tonnes during 1991-92. The increase in the traffic handled during 1992-93 was 10.7%. The traffic in respect of POL, fertilizer, FRM and containerised cargo showed an increase during 1992-93. Capacity utilization was 108 per cent during 1992-93. Average pre-berthing time at Bombay was 2.32 days in 1992-93 as against 1.55 days in 1991-92. It is also more than average pre-berthing time at all ports i.e. 1.9 days in 1992-93. It was more in commodities like fertilizer, FRM and other dry bulk. Average turn round time at Bombay port was 8.6 days in 1992-93 as against 7.5 days in 1991-92. It was also more than average turn round time at all ports. It was maximum in case of fertilizer, FRM, other dry bulk and general cargo. Average non-working time at berth was 2.9 days in 1992-93 as compared to 3.05 days in 1991-92. It was slightly more than all major ports i.e. 2.4 days. It was more in commodities like fertilizer, FRM and other dry bulk. Total coastal and overseas unloaded traffic at Bombay port was 15% of the total unloaded traffic at all ports.

MADRAS

During 1992-93 Madras port handled 25.33 million tonnes as against 25.05 million tonnes during 1991-92. The major commodities handled

were POL, iron ore, coal and general cargo. Total coastal and overseas unloaded traffic at Madras port was about 17 per cent. of total unloaded traffic at all major ports. Average pre-berthing time at Madras port was 2.04 days during 1992-93 as compared to 1.56 days during 1991-92. It was also slightly higher than pre-berthing time at all ports i.e. 1.9 days. Average turn round time at Madras port was 6.97 days during 1992-93 which was less than average turn round time at all ports i.e. 7.53 days. The average non-working time at berth during 1992-93 was 2.33 days which was less than at all ports and also less than that of 1991-92. However, it was maximum in case of fertilizer i.e. 18 days. Capacity utilization at Madras port was 115 per cent. Total overseas and coastal traffic unloaded at Madras port was 16% of the total unloaded traffic at all ports.

MORMUGAO

This port handled 16.33 million tonnes during 1992-93 as against 15.10 million tonnes during 1991-92 registering an increase of 8 percent. The major commodities handled were iron ore and POL. Average pre-berthing time at Mormugao port during 1992-93 was 1.08 days which was higher than 1991-92 i.e. 0.87 days but lower than average pre-berth time at all ports i.e. 1.9 days. Average turn round time at Mormugao port was 7.21 days which was higher than 1991-92 i.e. 5.96 days but less than average turn

round time at all ports. It was highest in case of fertilizers i.e. 59.23 days. Average non-working time during 1992-93 was 3.61 which was higher than all ports i.e. 2.37 days and also higher than 1991-92 i.e. 2.42 days. Capacity utilization at Mormugao port was 102 per cent. Overseas traffic loaded at this port is about 31 percent of the total overseas loaded traffic.

VISAKHAPATNAM

This port handled 22.77 million tonnes during 1992-93 as against 21.52 million tonnes during 1991-92. The major increase was in POL, coal and general cargo whereas there was significant decline in iron ore and fertilizer and FRM. Capacity utilization at the port during 1992-93 was 101 per cent. The average pre-berthing time at port during 1992-93 was 1.78 days which was less than all ports pre-berthing time i.e. 1.9 days. However, it was more than that of 1991-92 (1.02). The average turn round time at Visakhapatnam during 1992-93 was 7.20 days. It was less than average turn round time at all ports i.e. 7.53 days but higher than that of 1991-92 i.e. 5.58 days. It was maximum in case of fertilizer and fertilizer raw material. Average non-working time at this port during 1992-93 was 1.69 days which was less than all ports average non-working time. However, it was more than that of 1991-92 (1.23 days). About 16% of overseas

traffic was unloaded and 13% of overseas traffic was loaded at this port. Coastal traffic loaded at this port was about 18 percent.

COCHIN

This port handled 7.96 million tonnes during 1992-93 as against 7.48 million tonnes during 1991-92. The major commodities handled were POL, fertilizer and FRM and general cargo. Capacity utilization of this port is 75 per cent. Average pre-berthing time during 1992-93 at Cochin port was 0.98 day which is less than pre-berthing time at all ports. However, it was more than that of 1991-92 which was mainly due to fertilizer ships. Average turn round time during 1992-93 at Cochin port was 5.50 days which was lower than average turn round time at all ports (7.5 days). However, it was more than that of 1991-92 i.e. 3.95 days. Average non-working time at berth at Cochin port was 2.43 days which is higher than that at all ports and in 1991-92. About 18% of the total coastal traffic was unloaded at this port during 1992-93.

NEW MANGALORE

This port handled 7.09 million tonnes during 1992-93 as against

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8.27 million tonnes during 1991-92. The decline was due to fall in the export of iron ore. Suspension of mining operations in Kudremukh mines due to heavy rain-fall adversely affected traffic during monsoon. There was also fall in traffic of other liquid cargo like edible oil due to restricted import policy. The capacity utilization of this port was 74%. Average pre-berthing time was 1.36 days during 1992-93 which was less than that of 1991-92 (1.67 days) and pre-berthing time of all ports i.e. 1.9 days. Average turn round time at New Mangalore port during 1992-93 was 6.37 days which was more than that of 1991-92 i.e. 5.50 days but less than average turn round time at all ports i.e. 7.53 days. Average non-working time at this port was 2.33 days which was less than that of non-working time at all ports i.e. 2.37 days but higher than that of 1991-92 i.e. 1.83 days. About 13% of the total overseas traffic was loaded at this port.

TUTICORIN

During 1992-93 this port handled 6.21 million tonnes as against 5.87 million tonnes during 1991-92. The major commodity handled were coal, general cargo, POL, fertilizer and fertilizer raw material. Capacity utilisation at this port was 122%. Average pre-berthing time during 1992-93 was 1.59 days which was less than that of average pre-berthing time at

all ports (1.9 days) in 1992-93 but more than that of 1991-92 (1.26 days). Average turn round time was 5.55 days in 1992-93 as compared to 5.19 days during 1991-92. This was less than the average turn round time at all ports i.e. 7.53 days. Average non-working time at berth during 1992-93 was 1.75 days as compared to 1.65 days in 1991-92. This was less than average non-working time at all ports i.e. 2.37 days during 1992-93. About 15 percent of coastal traffic was unloaded at this port.

PARADIP

This port handled 7.61 million tonnes during 1992-93 as against 7.30 million tonnes during 1991-92. The main commodities handled were coal and iron ore. Capacity utilization at this port was 99%. Average pre-berthing time during 1992-93 was 1.48 days which was higher than that of 1991-92 i.e. 1.17 days but less than pre-berthing time at all ports during 1992-93. Average turn round time was 5.93 days which was less than that of 1991-92 i.e. 6.08 days and at all ports i.e. 7.53 days. Average non-working time during 1992-93 was 1.07 days. This was less than that of 1991-92 (1.15 days) and average non-working time at all ports i.e. 2.4 days. About 14 per cent of coastal traffic was loaded at this port.

CALCUTTA/HALDIA

This port handled 18.32 million tonnes during 1992-93 as against 16 million tonnes during 1991-92. The increase of traffic during 1992-93 was in POL, food-grains, coal and general cargo. Average pre-berthing time at Calcutta was 0.75 day during 1992-93 same as was in 1991-92. This was less than that of Haldia which was 1.99 days during 1992-93. Average pre-berthing time at Calcutta was less than that of all ports i.e. 1.9 days. However, at Haldia it was more than that of at all ports. Average turn round time at Calcutta was 10.11 days in 1992-93 which was higher than that of average turn round time at all ports (7.53 days).

Average turn round time at Calcutta was higher due to commodities like fertilizer, FRM, other dry bulk and general cargo. Average non-working time at berth at Calcutta during 1992-93 was 3.74 days while it was 1.74 days at Haldia as compared to 2.37 days at all ports. Average non-working time both at Calcutta and Haldia during 1992-93 was marginally higher than that of 1991-92. Capacity utilization at Calcutta was 87% while that of Haldia was 78%. About 15% of overseas traffic was unloaded and 17% of coastal traffic was loaded during 1992-93 at Calcutta/Haldia port.

J. L. NEHRU

This port handled 3.01 million tonnes during 1992-93 as against 2.79 million tonnes during 1991-92. The major increase was in food-grains and container traffic. This port handled only overseas traffic.

TABLE - I

Number of Major and Minor Ports
in the Maritime States -- 1992-93

State / U. P.	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 31-3-93

(In Million Tonnes)

Commodity	Calcutta	Haldia	Para-dip	Vizag	Madras	Tuticorin	Cochin	New Mangalore	Mormugao	Bombay	Kandla	JL Nehru	Total
P.O.L.	2.40 (6)	8.50 (2)	-	11.50 (3)	8.50 (2)	1.10 (1)	8.50 (3)	1.00 (1)	1.50 (1)	18.00 (5)	17.00 (2+SBM)	-	78.00 (26+SBM)
Iron Ore	-	-	4.00 (1)	8.00 (1)	8.00 (1)	-	-	7.50 (1)	14.00 (1+Transhipper)	-	-	-	41.50 (5+transhipper)
Coal	-	5.00 (2)	-	-	-	2.00 (1)	-	-	-	-	-	-	7.00 (3)
Fertilizers	-	1.80 (1)	2.00 (1)	0.35 (1)	-	-	0.40 (1)	-	-	-	0.50 (1)	2.90 (2)	7.95 (7)
Gen. Break Bulk Cargo	2.80 (24)	1.18 (2)	1.65 (4)	3.20 (11)	3.65 (15)	2.00 (6)	1.40 (9)	1.05 (4)	0.42 (2)	7.55 (44)	3.30 (9)	-	28.20 (130)
Containers	1.55 (2)	0.30 (1)	-	-	1.92 (2)	-	0.36 (2)	-	-	1.25 (3)	-	3.00 (3)	8.38 (13)
Total	6.75 (32)	16.78 (8)	7.65 (6)	23.05 (16)	22.07 (20)	5.10 (8+Bzone)	10.66 (15)	9.55 (6)	15.92 (4+trans)	26.80 (52)	20.80 (12+SBM)	5.90 (5)	171.63 (184+trans)

Note:- Increase in Capacity during 92-93 shown below

- i) Calcutta Containers 1.55 MT
 ii) Calcutta General Cargo (-)0.75 MT
 iii) Visakhapatnam General Cargo 0.60 MT
 iv) Kandla General Cargo 0.40 MT

Figures in Brackets indicate number of berths.

Source:- Development Wing, MOST.

TABLE - III

Major Ports - Capacity and Traffic -- 1992-93

Port	Capacity/ Traffic	(In Million Tonnes)							Total
		1.	2.	3.	4.	5.	6.	7.	
				POL	Iron Ore	Coal	Ferti- liser & FRM	Other Cargo	Contai- ner
Calcutta	Capacity Traffic		2.40 3.75		-	-	0.34	3.55 2.06	1.01
Haldia	Capacity Traffic		8.50 7.17		-	5.00 5.06	1.80 0.32	1.19 0.52	0.30 0.09
Paradip	Capacity Traffic		0.20		4.00 1.35	4.41	2.00 0.29	1.65 1.36	-
Visakhapatnam	Capacity Traffic		11.50 7.59		8.00 4.96	5.95	0.35 1.43	2.60 2.75	0.08
Madras	Capacity Traffic		8.50 9.81		8.00 4.80	5.59	0.86	3.65 3.02	1.92 1.25
Tuticorin	Capacity Traffic		1.10 0.51		-	2.00 3.16	0.66	2.00 1.60	0.28
Cochin	Capacity Traffic		8.50 6.18		-	0.06	0.40 0.55	1.40 0.86	0.36 0.31
New Mangalore	Capacity Traffic		1.00 0.63		7.50 5.08	-	0.24	1.05 1.13	0.01
Mormugao	Capacity Traffic		1.50 1.80		14.00 13.60	0.11	0.24	0.42 0.57	0.01
J.L. Nehru	Capacity Traffic		-		-	-	2.90 0.70	0.60	3.00 1.71
Bombay	Capacity Traffic		18.00 20.11		-	-	0.97	7.55 4.13	1.25 3.87
Kandla	Capacity Traffic		17.00 17.95		-	0.03	0.50 0.78	2.90 3.79	0.36
All Ports	Capacity Traffic		78.00 73.70		41.50 29.79	7.00 24.37	7.95 7.38	27.95 22.39	6.83 8.98

Note :- Capacity as on 31.3.1992.
Traffic - 1992-93 (Provisional).

TABLE - IV

Traffic handled at Major Ports for selected commodities -- 1992-93*

Port	POL	Iron Ore	Fertiliser	FRM	Food-grains	Coal	Containerised Cargo		Others	Total
							'000 Tonnes	'000 TEUs		
Kandla	17951	2	448	334	600	35	358	28	3181	22909
Bombay	20108	-	24	943	262	-	3869	314	3875	29081
JL Nehru	-	-	588	106	577	-	1712	145	24	3007
Mormugao	1798	13602	244	-	4	108	5	1	567	16328
New Mangalore	630	5082	241	-	-	-	13	2	1122	7088
Cochin	6180	-	134	415	66	55	309	56	804	7963
Tuticorin	510	-	378	283	189	3161	277	35	1417	6215
Madras	9813	4797	586	276	236	5593	1252	127	2777	25330
Visakhapatnam	7593	4960	484	946	186	5947	85	9	2565	22766
Paradip	195	1346	142	152	3	4414	-	-	1355	7607
Calcutta/Haldia	8920	-	313	346	117	5059	1104	81	2458	18317
All Ports	73698	29789	3582	3801	2240	24372	8984	798	20145	166611

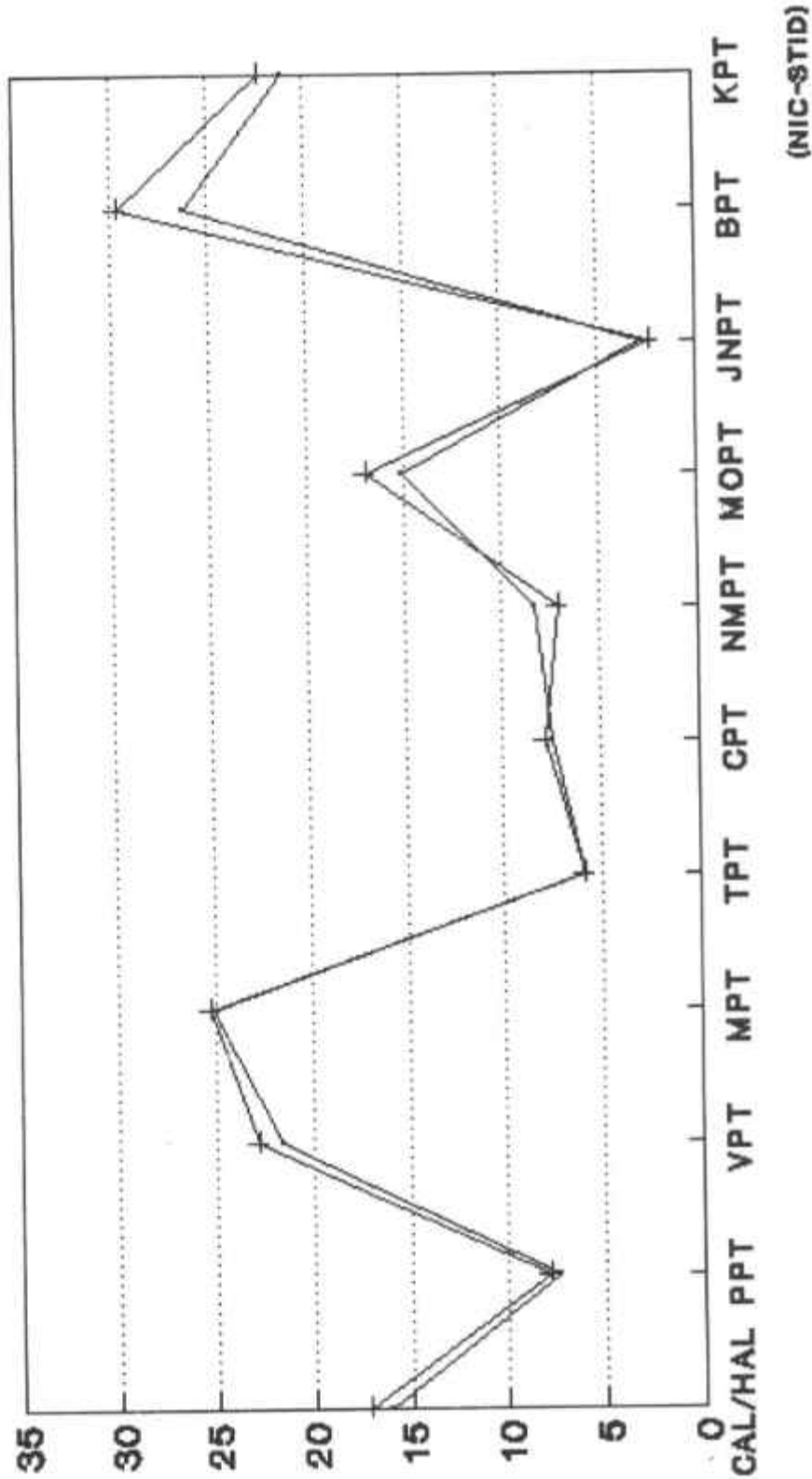
* : Provisional.

Source:- Indian Ports Association.

(xxi)

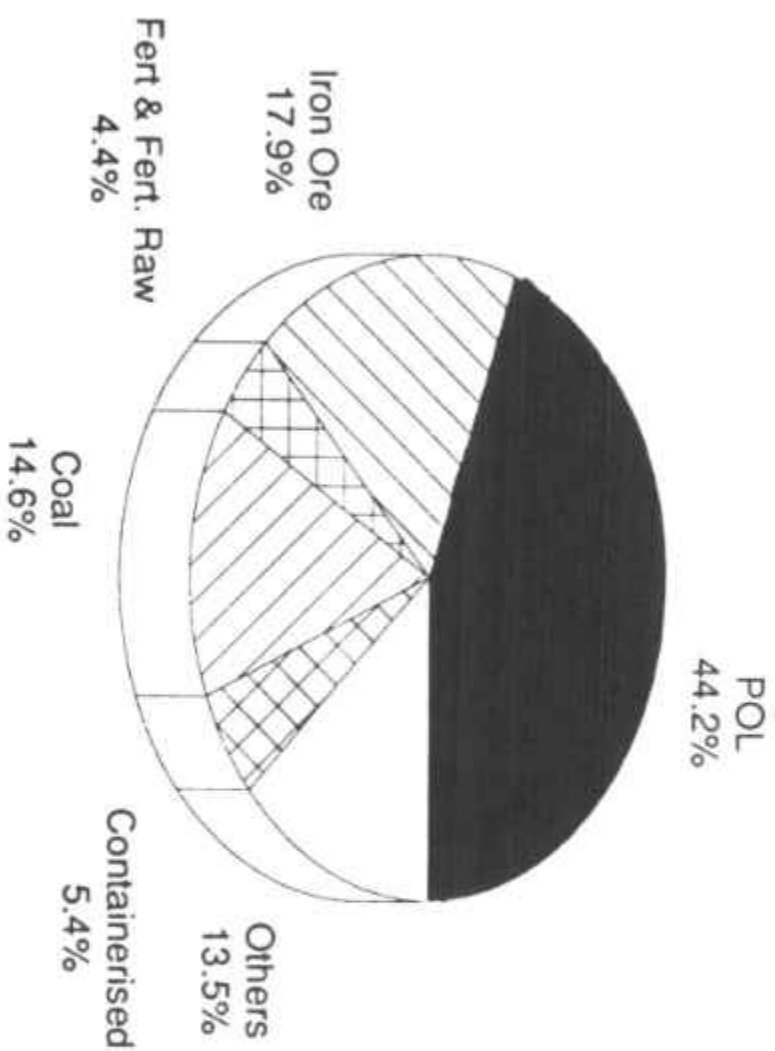
Traffic Handled at Major Ports (in million tonnes)

—+— 1992-93 — 1991-92



Traffic Handled at Major Ports

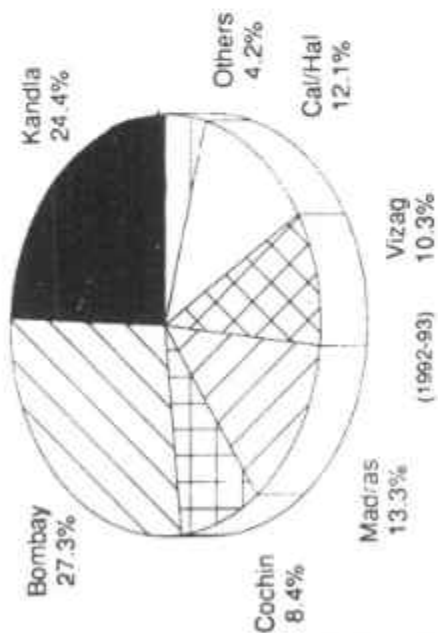
(1992-93)



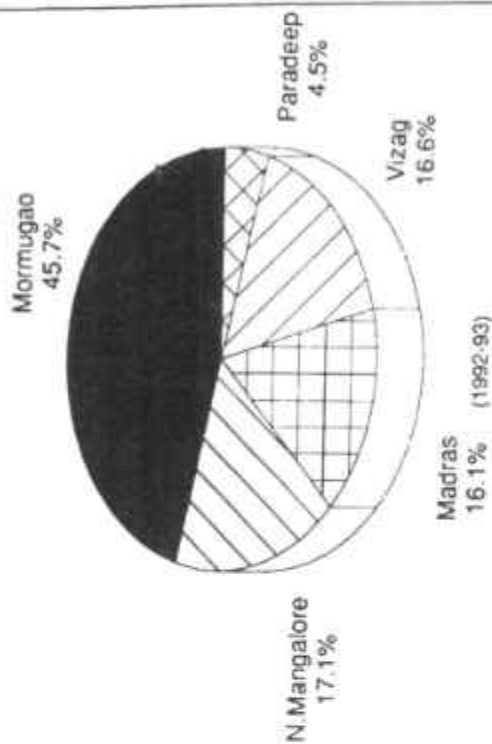
Traffic Handled at Major Ports

(PRINCIPAL COMMODITIES)

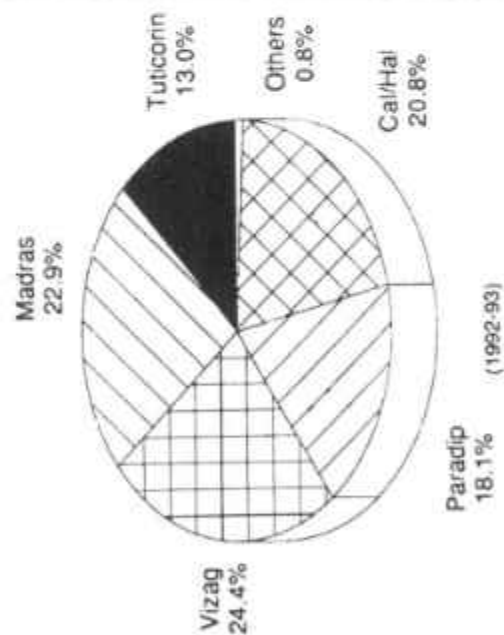
POL Traffic Handled at Major Ports



Iron Ore Traffic Handled at Major Ports



Coal Traffic Handled at Major Ports



Container Traffic at Major Ports

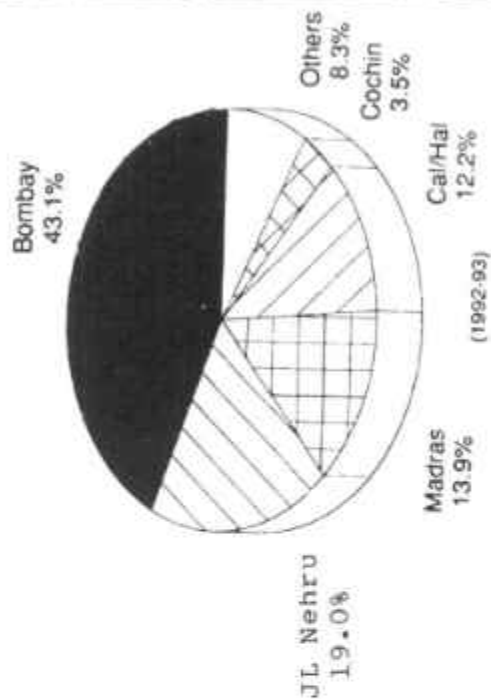


TABLE - V

Traffic Handled at Major Ports in India -- 1992-93*

Annexure

(Overseas and Coastal)

(In Million Tonnes)

Port	Overseas			Coastal			Overseas & Coastal		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
Kandla	16.23	2.25	18.48	4.27	0.15	4.42	20.50	2.41	22.91
Bombay	14.85	3.67	18.52	0.10	10.10	10.20	14.92	13.77	28.69
J.L. Nehru	2.08	0.90	2.98	-	-	-	2.08	0.90	2.98
Mormugao	1.00	13.53	14.53	0.65	0.39	1.04	1.64	13.92	15.56
New Mangalore	0.93	5.54	6.47	0.60	0.03	0.63	1.53	5.56	7.09
Cochin	2.39	0.69	3.08	4.36	0.52	4.88	6.75	1.21	7.96
Tuticorin	1.74	0.80	2.54	3.67	-	3.67	5.41	0.81	6.22
Madras	8.13	7.07	15.20	7.55	1.38	8.93	15.68	8.45	24.13
Visakhapatnam	11.86	5.61	17.47	0.88	4.41	5.29	12.74	10.02	22.76
Paradip	2.23	1.85	4.08	-	3.32	3.32	2.23	5.18	7.41
Haldia/Calcutta	11.02	1.37	12.39	1.89	4.05	5.94	12.91	5.42	18.33
All Ports	72.46	43.28	115.74	23.97	24.35	48.32	96.39	67.65	164.05

* : Provisional.

Note: Overseas and Coastal loaded and unloaded data is of vessels sailed.

There may be little variation in data of total traffic handled at all ports which contains data of vessels handled

Source:- Indian Ports Association.

TABLE - VI

Cargo Traffic at Minor/Intermediate Ports -- 1992-93* ('000 Tonnes)

State / U.T.	Overseas			Coastal			Overseas & Coastal		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
Gujarat	3050	3508	6558	2101	1036	3137	5151	4544	9695
Maharashtra	-	-	-	236	5	241	236	5	241
Goa	-	-	-	45	49	94	45	49	94
Daman & Diu	-	-	-	neg.	-	neg.	neg.	-	neg.
Karnataka	170	124	294	84	53	137	254	177	431
Kerala	...	...	-	...	...	...	...	...	...
Tamil Nadu	245	12	257	-	-	-	245	12	257
Pondicherry	47	-	47	-	-	-	47	-	47
Andhra Pradesh	569	868	1437	-	-	-	569	868	1437
Orissa	154	53	207	-	-	-	154	53	207
Lakshdweep	...	...	-	...	...	...	...	...	...
Total	4235	4565	8800	2466	1143	3609	6701	5708	12409

* : Provisional.

TABLE - VII

Month-wise Vessels arrived, sailed and Traffic handled during 1992-93*

Name of the Port	April 1992	May 1992	June 1992	July 1992	Aug. 1992	Sept. 1992	Oct. 1992	Nov. 1992	Dec. 1992	Jan. 1993	Feb. 1993	March 1993
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.
Kandla												
i) Arrived	95	90	86	91	92	75	84	89	99	93	77	96
ii) Sailed	97	87	85	80	95	69	82	91	99	107	80	92
iii) Traffic handled	1878	1896	2024	1794	1921	1412	2022	1775	2150	2274	1786	1976
('000 Tonnes)												
Bombay												
i) Arrived	196	196	184	171	193	196	145	195	191	168	189	188
ii) Sailed	178	191	173	160	195	159	132	193	186	147	183	177
iii) Traffic handled	2690	2671	2298	2366	2413	2433	2313	2536	2393	2469	2133	2346
('000 Tonnes)												
J.L. Nehru												
i) Arrived	22	34	37	39	..	32	41	32	38	29	33	36
ii) Sailed	30	31	28	40	..	32	41	30	36	26	25	33
iii) Traffic handled	160	248	203	211	211	241	276	307	266	236	288	361
('000 Tonnes)												
Mormugao												
i) Arrived	66	52	48	34	30	..	59	64	58	68	56	68
ii) Sailed	53	69	41	39	30	..	61	69	59	67	61	55
iii) Traffic handled	2261	1904	402	579	260	434	1491	1560	1876	2060	1780	1680
('000 Tonnes)												

* : Provisional

Month-wise Vessels arrived, sailed and Traffic handled during 1992-93*
(Contd.)

Name of the Port	April 1992	May 1992	June 1992	July 1992	Aug. 1992	Sept. 1992	Oct. 1992	Nov. 1992	Dec. 1992	Jan. 1993	Feb. 1993	March 1993
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.
New Mangalore												
i) Arrived	44	43	32	39	25	38	29	43	46	48	33	45
ii) Sailed	39	46	35	32	25	32	28	46	43	51	32	46
iii) Traffic handled	538	623	630	632	162	441	402	750	718	880	580	735
('000 Tonnes)												
Cochin												
i) Arrived	72	65	71	64	61	47	69	61	62	61	52	63
ii) Sailed	64	69	66	68	62	44	70	65	59	62	50	63
iii) Traffic handled	690	679	679	707	667	698	671	610	613	608	630	710
('000 Tonnes)												
Tuticorin												
i) Arrived	66	76	55	67	64	74	75	50	56	69	64	69
ii) Sailed	70	70	58	71	60	74	72	55	56	74	64	67
iii) Traffic handled	518	639	562	540	533	527	555	297	459	562	463	559
('000 Tonnes)												
Madras												
i) Arrived	107	139	114	126	121	118	112	124	124	125	107	126
ii) Sailed	120	135	131	130	106	115	112	128	123	128	110	123
iii) Traffic handled	1725	2307	2081	2400	2140	2173	1878	2177	1877	2368	1728	2477
('000 Tonnes)												

* : Provisional

Month-wise Vessels arrived, sailed and Traffic handled during 1992-93*
(Contd.)

Name of the Port	April 1992	May 1992	June 1992	July 1992	Aug. 1992	Sept. 1992	Oct. 1992	Nov. 1992	Dec. 1992	Jan. 1993	Feb. 1993	March 1993
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.
Visakhapatnam												
i) Arrived	..	90	82	77	84	86	79	92	78	82	77	93
ii) Sailed	..	89	76	84	82	78	79	84	96	84	79	88
iii) Traffic handled	1933	1733	1794	2135	1901	1790	1506	2043	1913	1947	1884	2187
('000 Tonnes)												
Paradip												
i) Arrived	21	30	28	32	37	29	26	21	30	31	35	33
ii) Sailed	23	23	31	27	40	28	29	21	26	33	37	34
iii) Traffic handled	548	598	641	701	739	567	660	519	518	635	711	723
('000 Tonnes)												
Haladia												
i) Arrived	58	55	58	57	60	61	61	57	53	60	59	63
ii) Sailed	57	58	58	56	60	57	60	61	53	63	59	63
iii) Traffic handled	1095	1112	1092	1072	1032	1129	1201	991	1098	1106	979	1242
('000 Tonnes)												

* : Provisional
Source : Indian Ports Association.

Month-wise Vessels arrived, sailed and Traffic handled during 1992-93*

Name of the Port	April 1992	May 1992	June 1992	July 1992	Aug. 1992	Sept. 1992	Oct. 1992	Nov. 1992	Dec. 1992	Jan. 1993	Feb. 1993	March 1993
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.
Calcutta												
i) Arrived	63	57	57	61	63	62	69	67	75	64	60	82
ii) Sailed	62	56	59	55	67	51	67	71	65	71	69	71
iii) Traffic handled	364	320	316	361	406	376	395	496	468	542	463	579
('000 Tonnes)												
ALL PORTS												
i) Arrived	810	927	852	858	830	818	849	895	910	898	842	962
ii) Sailed	793	924	841	842	822	735	833	914	901	913	849	912
iii) Traffic handled	14400	14730	12722	13498	12385	12221	13370	14061	14349	15687	13425	15575
('000 Tonnes)												

* : Provisional

TABLE - VIII

Selected Port Performance Indicators (Port-wise) -- 1992-93* (Contd.)

Item	Kandla		Bombay		Mormu-		New		Manga-		Cochin		Tutl-		Madras		khapa-		Paradip		Haldia		Calcu-		All	
	gao		lore		lore		corin		tnam		ttnam		ttnam		ttnam		ttnam		ttnam		ttnam		ttnam		ttnam	
1.No. of vessels sailed																										
i) Dry-bulk	143	147	278	150	29	173	354	430	264	228	36	2262														
ii) Tankers	610	668	302	142	280	129	477	350	71	412	217	3659														
iii) Break-bulk	213	651	18	144	96	299	311	103	15	19	339	2208														
iv) Container	79	658	12	18	222	146	255	49	-	48	135	1915														
v) All Types	1045	2124	610	454	627	747	1397	932	350	707	727	10044														
2.Av. Pre-berthing detention (days)																										
i) Dry-bulk	7.6	8.7	0.3	2.8	2.8	1.8	3.2	2.7	1.5	1.9	1.7	3.0														
ii) Tankers	2.3	2.4	1.9	0.5	1.5	1.0	2.1	0.9	1.5	2.2	0.6	1.8														
iii) Break-bulk	5.0	1.8	M	0.8	0.3	2.2	2.4	1.9	1.1	2.7	0.9	2.0														
iv) Container	1.8	1.3	0.2	0.2	0.4	0.6	0.4	0.3	-	0.2	0.5	0.8														
v) All Types	3.5	2.3	1.1	1.4	1.0	1.6	2.1	1.8	1.5	2.0	0.8	1.9														
3.Av. Turn round time (days)																										
i) Dry-bulk	24.0	27.7	9.2	9.2	26.2	8.4	12.4	10.6	6.8	11.3	20.4	12.6														
ii) Tankers	4.2	5.6	5.2	1.7	5.4	2.7	3.9	3.1	3.0	4.3	4.5	4.4														
iii) Break-bulk	12.0	11.5	14.6	8.5	5.4	6.8	9.9	10.5	5.5	12.8	14.2	10.6														
iv) Container	4.8	4.6	0.7	1.9	2.9	2.2	2.3	1.8	-	2.6	7.4	3.6														
v) All Types	8.6	8.6	7.2	6.4	5.5	5.6	7.1	7.3	6.0	6.7	10.4	7.5														

* : Provisional.

e : Includes J.L. Nehru also.

TABLE - IX

Major Ports - Average Pre-berthing time - 1992-93*

(in days)

Port	Calcutta	Haldia	Para- dip	Vizag	Madras	Tutic- cordin	Cochin	NMPT	Mormu- gaon	Bombay	Kandla	All Ports
Commodity	1992-93 1991-92	1992-93 1991-92	1992-93 1991-92	1992-93 1991-92	1992-93 1991-92	1992-93 1991-92	1992-93 1991-92	1992-93 1991-92	1992-93 1991-92	1992-93 1991-92	1992-93 1991-92	1992-93 1991-92
P.O.L.	0.51 0.67	2.35 1.84	3.03 1.44	0.99 1.07	2.31 2.73	1.06 0.70	1.82 1.01	0.54 0.48	2.07 1.63	2.59 2.52	2.66 2.78	2.03 1.98
Iron Ore	- -	- -	0.83 0.60	1.37 1.66	0.62 0.73	- -	- -	1.84 4.05	0.20 0.07	- -	4.06 2.06	0.94 1.77
Coking Coal	- -	1.95 0.97	0.92 1.17	4.19 0.77	- -	- -	- -	- -	- -	- -	15.46 9.73	2.95 1.09
Thermal Coal	- -	1.02 1.27	0.52 0.66	0.70 0.46	1.54 0.64	1.08 1.03	- -	- 0.01	- -	- -	- -	1.04 0.79
Fertilizers	2.04 0.60	3.63 1.65	17.12 1.71	4.04 1.76	10.12 1.85	4.45 2.39	10.58 0.42	19.09 0.59	0.48 0.23	26.75 0.19	9.74 3.48	6.83 1.53
Raw Materials	2.04 0.84	4.60 1.68	1.20 0.87	3.79 2.20	3.42 3.95	2.84 3.39	0.66 7.63	- -	- -	6.60 1.63	12.07 6.70	5.26 3.16
Other Dry Bulk	1.20 4.34	2.40 1.35	2.48 2.82	2.43 1.72	5.62 3.58	1.67 2.17	1.65 -	1.48 0.75	0.37 0.06	11.42 3.22	5.47 4.68	3.76 2.68
Other Lqd. Bulk	1.68 0.97	0.79 0.67	0.36 0.29	0.54 0.43	0.30 0.74	0.96 0.60	0.35 0.24	0.33 0.20	0.79 0.33	1.66 1.36	1.45 1.57	1.00 0.83
General Cargo	0.77 0.85	2.37 0.05	1.01 2.05	1.66 0.68	2.12 1.21	2.21 2.01	0.29 0.41	0.85 0.54	0.05 0.04	1.79 1.23	4.96 6.22	1.97 1.66
Containers	0.51 0.33	0.24 0.42	- 0.55	0.27 0.12	0.36 0.59	0.61 0.44	0.45 0.26	0.16 0.12	0.14 -	1.34 0.83	1.84 1.63	0.87 0.61
Total	0.75 0.75	1.99 1.52	1.48 1.17	1.78 1.02	2.04 1.56	1.59 1.26	0.98 0.79	1.36 1.67	1.08 0.87	2.32 1.55	3.53 3.56	1.92 1.54

Note :- Source : Indian Ports Association.

* : Provisional.

All Ports do not include J.L. Nehru Port's data.

(XXXIII)

Average Preberthing waiting time (indays)

—+— 1992-93 — 1991-92

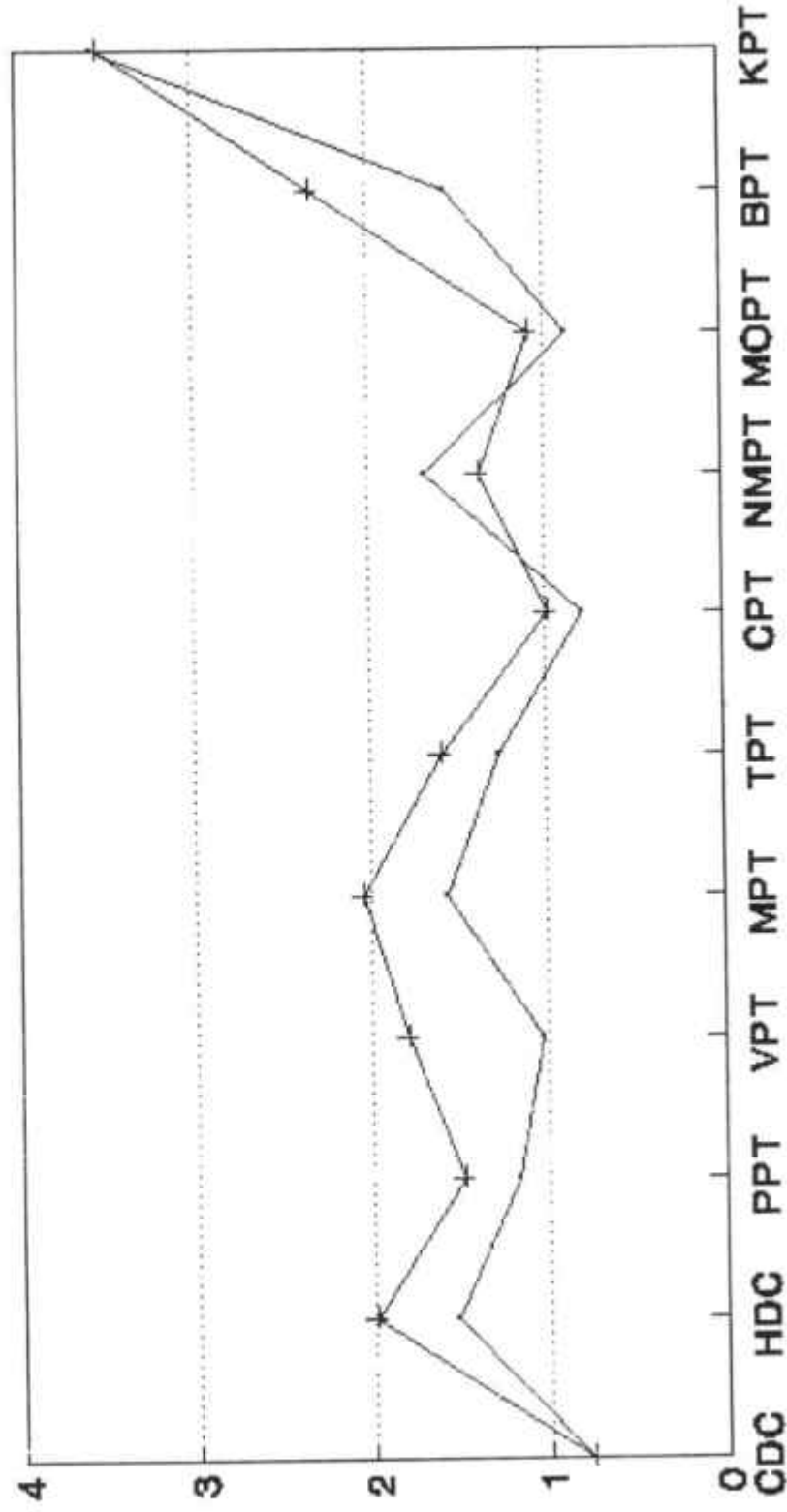


TABLE - X

Major Ports - Average Turn Round Time -- 1992-93*

(in days)

Port	Calcutta	Wardha	Paradeep	Vizag	Madras	Tuticorin	Cochin	NMPT	Mormu-	Bombay	Kandla	At ports
Commodity	1992-93	1991-92	1992-93	1991-92	1992-93	1991-92	1992-93	1991-92	1992-93	1991-92	1992-93	1991-92
P.O.L.	4.39	4.43	4.77	3.41	4.12	2.95	6.53	1.93	5.30	5.86	6.51	4.48
Iron Ore	5.02	4.29	5.23	3.14	4.64	2.50	3.01	1.66	5.04	5.67	4.46	4.48
Coking Coal	-	-	3.89	5.74	3.46	-	-	3.89	7.33	-	-	5.03
Thermal Coal	-	-	3.32	6.08	3.42	-	-	5.81	5.72	-	-	5.03
Fertilizers	-	5.57	5.30	6.70	6.66	5.03	-	9.56	-	-	-	5.90
Raw Materials	-	6.71	6.71	7.00	6.69	4.83	-	-	-	-	-	6.36
Other Dry Bulk	26.10	29.95	47.23	26.51	44.36	24.14	60.17	63.38	59.73	64.21	30.36	37.08
Other Liquid Bulk	15.56	15.29	24.22	22.07	23.75	15.14	23.25	25.67	26.71	26.28	24.00	21.21
General Cargo	16.53	21.78	9.77	13.82	14.28	10.24	18.41	-	-	22.83	20.79	16.73
Other Dry Bulk	13.52	17.66	12.72	13.07	15.22	13.46	21.24	-	-	21.27	20.14	17.34
Other Liquid Bulk	15.40	17.50	7.21	10.04	15.55	0.69	20.41	17.26	6.32	31.97	22.50	11.37
General Cargo	23.32	11.64	9.52	7.99	14.06	12.07	-	7.19	11.35	16.03	24.09	12.23
Other Liquid Bulk	5.54	2.96	1.61	1.97	2.04	2.47	1.56	1.11	4.47	4.57	3.87	2.85
General Cargo	4.86	2.79	1.67	2.03	2.73	1.85	1.42	0.90	2.26	5.07	2.73	7.01
Other Liquid Bulk	13.00	10.39	5.17	9.16	9.23	6.77	6.39	8.52	13.87	11.26	12.01	10.14
General Cargo	13.34	7.70	6.74	5.80	7.96	7.47	4.76	8.50	17.97	9.89	15.46	10.00
Other Liquid Bulk	7.43	2.55	-	1.84	2.31	2.17	2.93	1.89	3.72	4.07	4.79	3.83
General Cargo	5.90	3.24	1.56	1.58	2.59	1.69	2.53	2.26	-	4.70	4.39	3.57
Total	1992-93	1991-92	1992-93	1991-92	1992-93	1991-92	1992-93	1991-92	1992-93	1991-92	1992-93	1991-92
1992-93	10.11	6.67	5.93	7.21	6.97	5.55	5.50	6.37	7.21	8.57	6.57	6.53
1991-92	10.52	8.98	6.06	5.24	5.98	5.19	3.95	5.50	5.96	7.48	6.57	6.65

Note: - Source: Indian Ports Association.

* : Provisional.

All ports do not include J.L. Narmada Port's data. (XXXV)

Average Turn Round Time (indays)

—+— 1992-93 — 1991-92

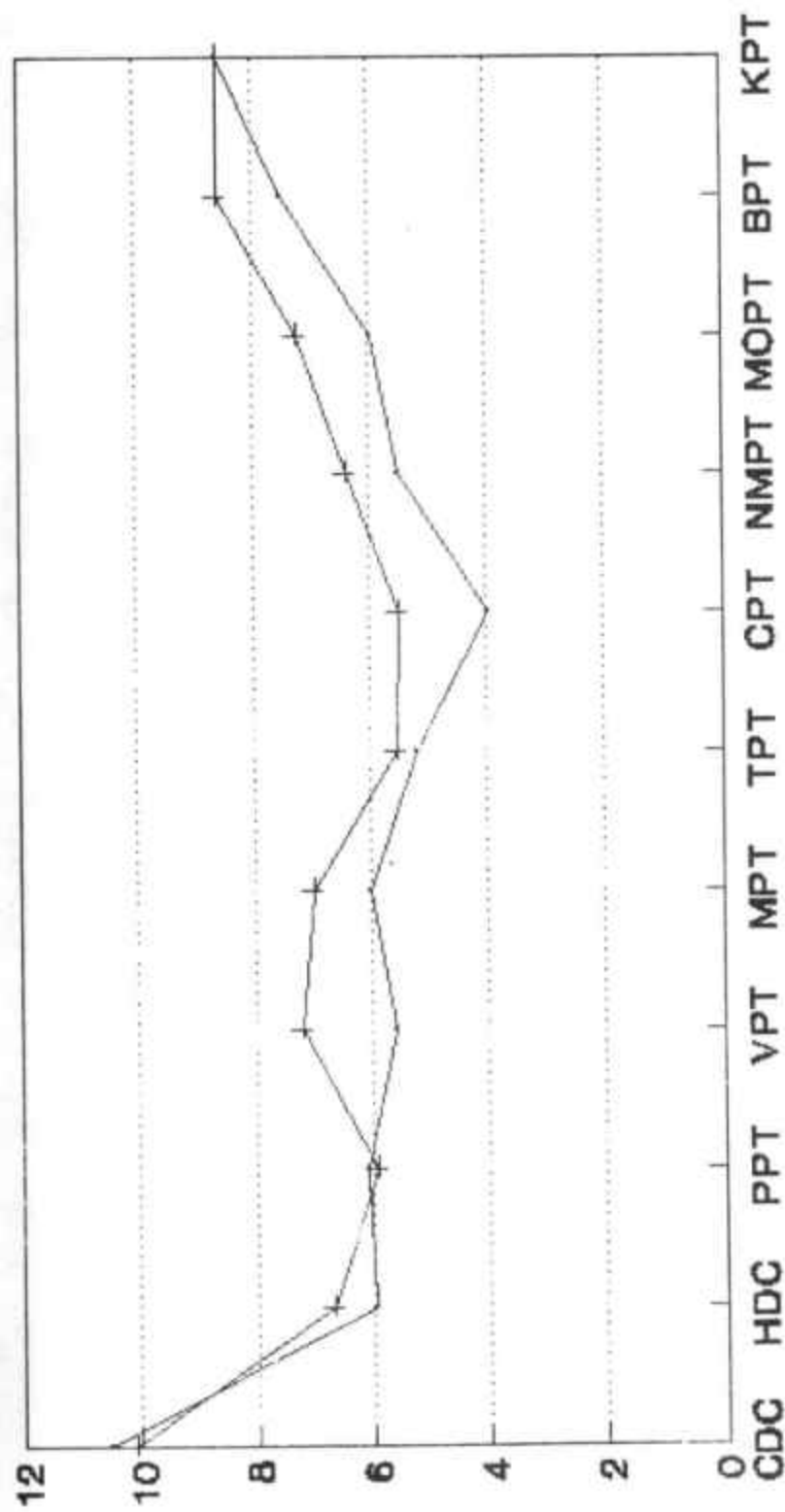


TABLE - XI

Major Ports - Average Non-working time at berth -- 1992-93*

(In days)

Port --->	Calcu- tla	HaIdia dip	Para- vizag	Madras	Tutl- corin	Cochin	NMPT	Mormu- gao	Bombay	Kandla	All Ports		
Commodity													
P.O.L.	1992-93 1991-92	1.26 1.46	0.52 0.55	- 0.79	0.87 0.60	0.65 0.72	0.72 0.66	2.54 0.48	0.50 0.35	2.40 2.25	1.78 1.86	0.70 0.78	1.20 1.06
Iron Ore	1992-93 1991-92	- -	- 1.53	1.90 1.85	1.36 1.59	- -	- -	0.73 0.72	4.04 2.42	- -	- -	3.72 0.66	2.29 1.59
Coking Coal	1992-93 1991-92	- -	2.72 3.64	1.01 0.96	2.17 1.42	- -	- -	- -	- -	- -	- -	1.11 1.95	2.13 2.06
Thermal Coal	1992-93 1991-92	- -	1.89 2.72	1.11 1.29	0.97 1.36	1.75 2.31	0.95 0.66	- -	4.26 -	- -	- -	- -	1.38 1.73
Fertlilizers	1992-93 1991-92	13.52 5.39	11.01 4.25	9.63 4.12	8.17 4.12	18.09 9.48	8.52 6.34	29.85 14.89	23.41 11.70	32.04 5.08	10.45 6.93	6.50 3.88	14.26 6.39
Raw Materials	1992-93 1991-92	5.83 4.28	8.23 6.88	0.69 0.92	3.20 3.43	5.29 5.18	3.54 4.06	12.51 7.13	- -	- -	9.21 13.82	2.62 3.74	6.15 6.66
Other Dry Bulk	1992-93 1991-92	5.66 8.25	7.65 4.92	1.35 1.89	2.28 1.82	5.89 4.51	3.17 4.73	7.48 -	6.59 3.31	2.96 2.26	8.98 4.67	4.60 2.66	4.54 3.29
Other Lqd. Bulk	1992-93 1991-92	1.13 0.93	0.54 0.54	- -	0.32 0.49	0.49 0.96	0.71 0.52	0.48 0.58	0.30 0.20	2.57 0.84	1.34 2.33	0.83 1.19	0.81 0.86
General Cargo	1992-93 1991-92	5.23 4.70	5.14 1.54	0.96 1.36	2.37 1.10	3.88 3.78	2.35 2.72	2.77 2.43	3.77 4.20	6.30 7.77	4.44 4.45	2.19 2.97	3.76 3.82
Containers	1992-93 1991-92	1.73 1.04	0.79 1.02	- -	0.32 0.20	0.96 1.14	0.64 0.57	1.15 1.08	0.99 0.98	0.19 -	1.12 1.54	0.72 0.76	1.04 1.16
Total	1992-93 1991-92	3.74 3.44	1.74 1.62	1.07 1.15	1.69 1.23	2.33 2.14	1.75 1.65	2.43 1.44	2.33 1.83	3.61 2.42	2.89 3.05	1.52 1.61	2.37 2.13

Note :- Source : Indian Ports Association.

* : Provisional.

All Ports do not include U.L. Nehru Port's data.

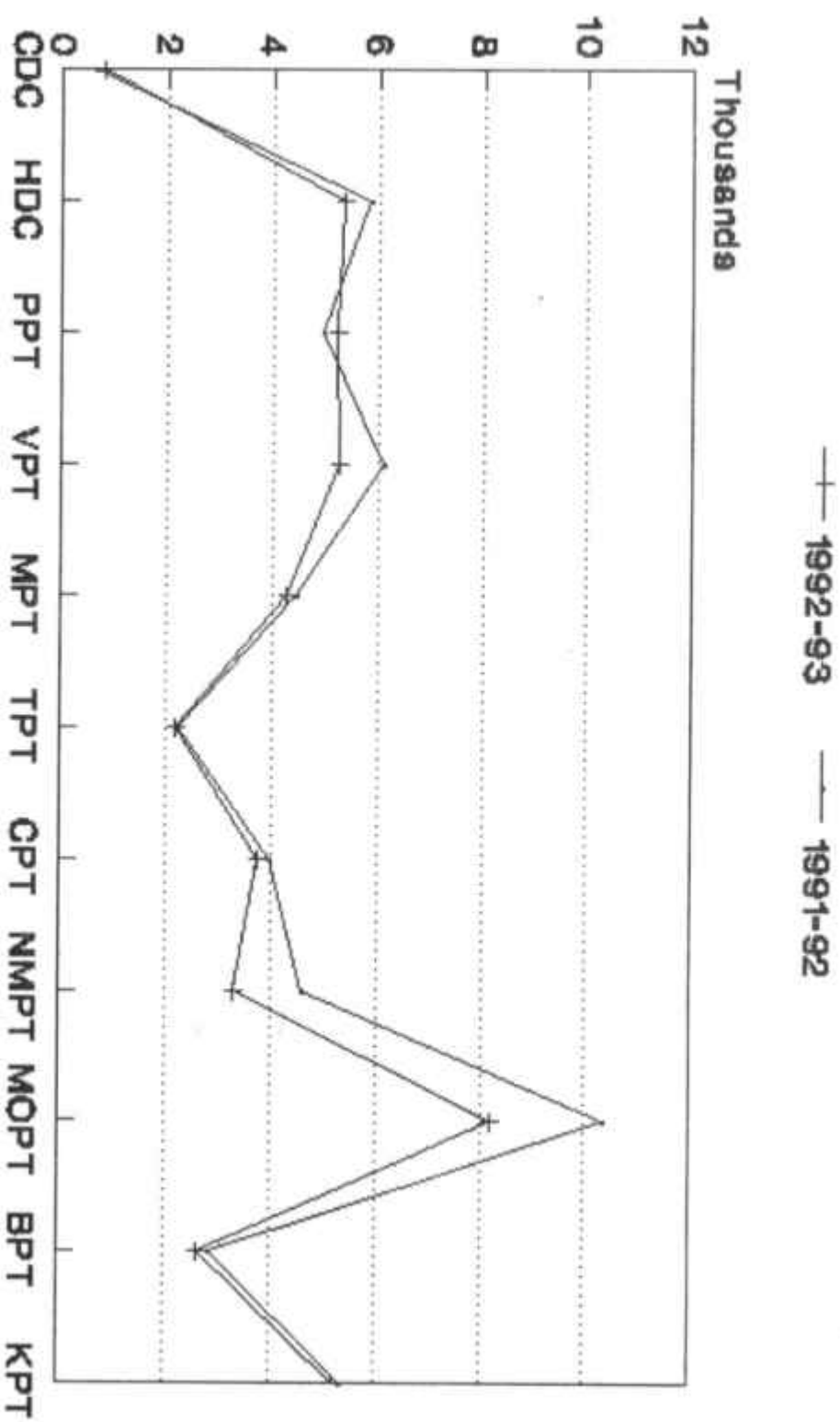
TABLE -XII

Major Ports - Output per Ship Berth Day -- 1992-93*

		(In Tonnes)										
Port	Commodity	Calcutta	Haldia	Para-dip	Vizag	Madras	Tuticorin	Cochin	NMPT	Mormu-gao	Bombay	Kandla
		tta					corin					
1992-93	P.O.L.	3121	14795	8021	13500	15106	5219	14243	5224	7266	15470	24127
1991-92		2356	13499	3333	12449	15098	5551	15440	5960	7763	14712	22640
1992-93	Iron Ore	-	-	15625	19628	34851	-	-	21971	19482	-	732
1991-92		-	-	15720	20190	36882	-	-	24789	19708	-	233
1992-93	Coking Coal	-	3748	5234	5474	-	-	-	-	-	-	2284
1991-92		-	3083	5418	5423	-	-	-	-	-	-	1603
1992-93	Thermal Coal	-	9757	6217	5871	6398	7363	-	-	-	-	-
1991-92		-	8163	5416	5839	5710	7684	-	0	-	-	-
1992-93	Fertilizers	468	436	866	1016	1008	845	453	660	622	805	1435
1991-92		525	456	1020	1175	1218	1101	736	651	821	465	1416
1992-93	Raw Materials	532	723	3266	1914	1094	1620	1794	-	-	800	1066
1991-92		615	1243	2308	1915	1252	1297	1735	-	-	786	1453
1992-93	Other Dry Bulk	579	1412	2642	2535	1712	1837	915	986	4289	990	1081
1991-92		447	2279	2214	3067	1590	1277	-	1388	1869	1012	1497
1992-93	Other Lqd. Bulk	1604	5264	10099	6443	5214	5243	6170	6216	4783	1797	5096
1991-92		1632	5712	9109	5460	4481	5113	6799	6672	5782	2711	4758
1992-93	General Cargo	403	633	767	1063	589	628	434	600	588	493	960
1991-92		379	926	609	1028	593	610	422	584	787	499	833
1992-93	Containers	1487	1317	-	1195	2654	1127	1001	503	624	1690	1845
1991-92		1424	1363	755	1242	1950	890	904	421	-	1630	1697
1992-93	Total	782	5336	5192	5742	4245	2148	3848	3299	8212	2617	5214
1991-92		612	5861	4919	6120	4579	2196	4124	4564	10343	2825	5322

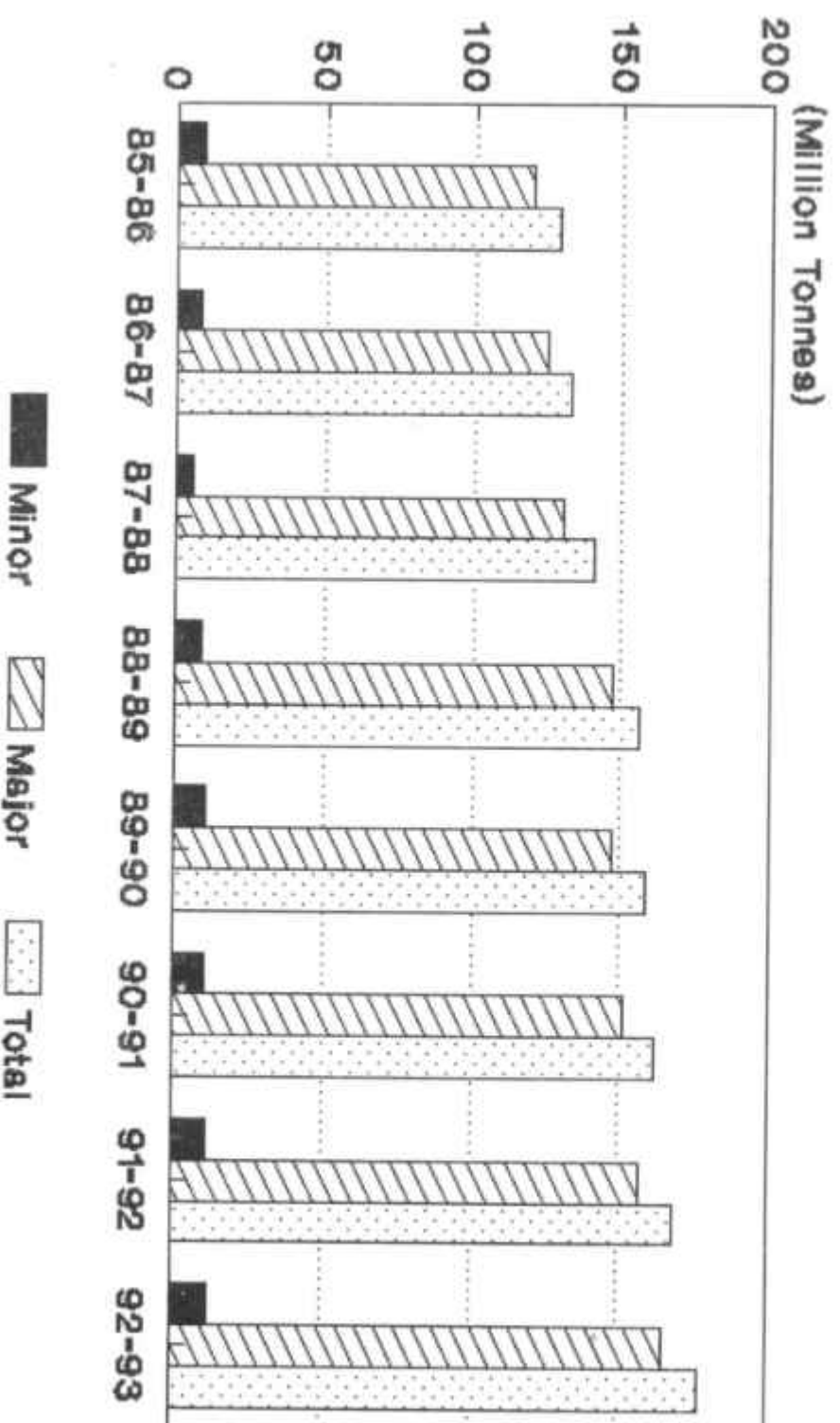
Note :- Source : Indian Ports Association.

Output Pership Berthday (in tonnes)



**Detailed tables
on
Port Sector (Major & Minor)
Time Series data upto
1991-92**

Traffic Handled at Minor/Major Ports



P O R T S E C T O R A T A G L A N C E

No. of Ports	1965-66	1970-71	1975-76	1980-81	1985-86	1988-89	1989-90	1990-91	1991-92
i) Major (Nos.)	7	8	10	10	10	10	11	11	11
ii) Minor/Intermediate (Nos.)	144	160	161	161	162	162	163	163	163
iii) Total	151	168	171	171	172	172	174	174	174
I. CARGO HANDLED									
(In million tonnes)									
i) P.O.	16.36	18.89	21.17	33.58	54.89	63.17	61.97	64.00	67.60
ii) Iron Ore	10.44	19.20	21.13	22.84	28.84	32.74	33.19	31.73	31.60
iii) Fertiliser & raw materials	1.86	2.27	2.86	6.21	6.81	6.39	8.11	8.94	9.92
iv) Coal	1.96	0.68	1.43	2.11	7.54	15.47	17.62	19.66	22.40
Coke & Coking Coal	0.54	0.19	0.40	0.58	2.40	4.75	4.81	5.85	6.03
Other Coal	1.42	0.49	1.03	1.53	5.14	10.72	12.81	13.81	16.37
v) Others (including containers)	19.60	14.54	19.42	15.53	21.54	29.29	26.68	27.12	25.12
Total	50.22	55.58	66.01	80.27	119.62	147.06	147.57	151.67	156.64
II. CONTAINERS									
('000 TEUs)	220	237	304	410	541	633	681	681	
(million tonnes)	1.78	1.98	2.73	4.17	6.16	7.34	7.70	6.72	
III. PASSENGER TRAFFIC									
HANDLED ('000 Nos.)	1074	745	371	388	400	193	160	156	162

P O R T S E C T O R A T A G L A N C E (CONTD.)

IV. EMPLOYMENT

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
(Thousand number)	110	113	109	106	105	102	102	101	99	98	93

V. FINANCIAL PERFORMANCE

	1965-66	1970-71	1975-76	1980-81	1985-86	1988-89	1989-90	1990-91	1991-92
--	---------	---------	---------	---------	---------	---------	---------	---------	---------

i) Total Revenue (Rs.million)	542	818	1797	3912	7027	10528	11416	12582	14474
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ii) Total Expenditure (Rs.million)	511	788	1552	3371	5617	7573	8520	9304	11002
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VI. SELECTED PERFORMANCE INDICATORS

	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92
--	---------	---------	---------	---------	---------	---------	---------	---------

i) Total vessels sailed (Nos.)	7433	8263	8505	8514	8778	8873	9118	9094
--------------------------------	------	------	------	------	------	------	------	------

ii) Av. Turn round time (days)	11.9	9.8	7.3	7.4	8.4	8.8	8.1	6.7
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iii) Av. pre-berth in detention (days)	3.6	2.9	1.8	2.1	2.7	2.6	2.1	1.6
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iv) Output per ship berthday (tonnes)	2314	2515	3076	3384	3400	3273	3372	3942
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P O R T S E C T O R A T A G L A N C E (CONT'D.)

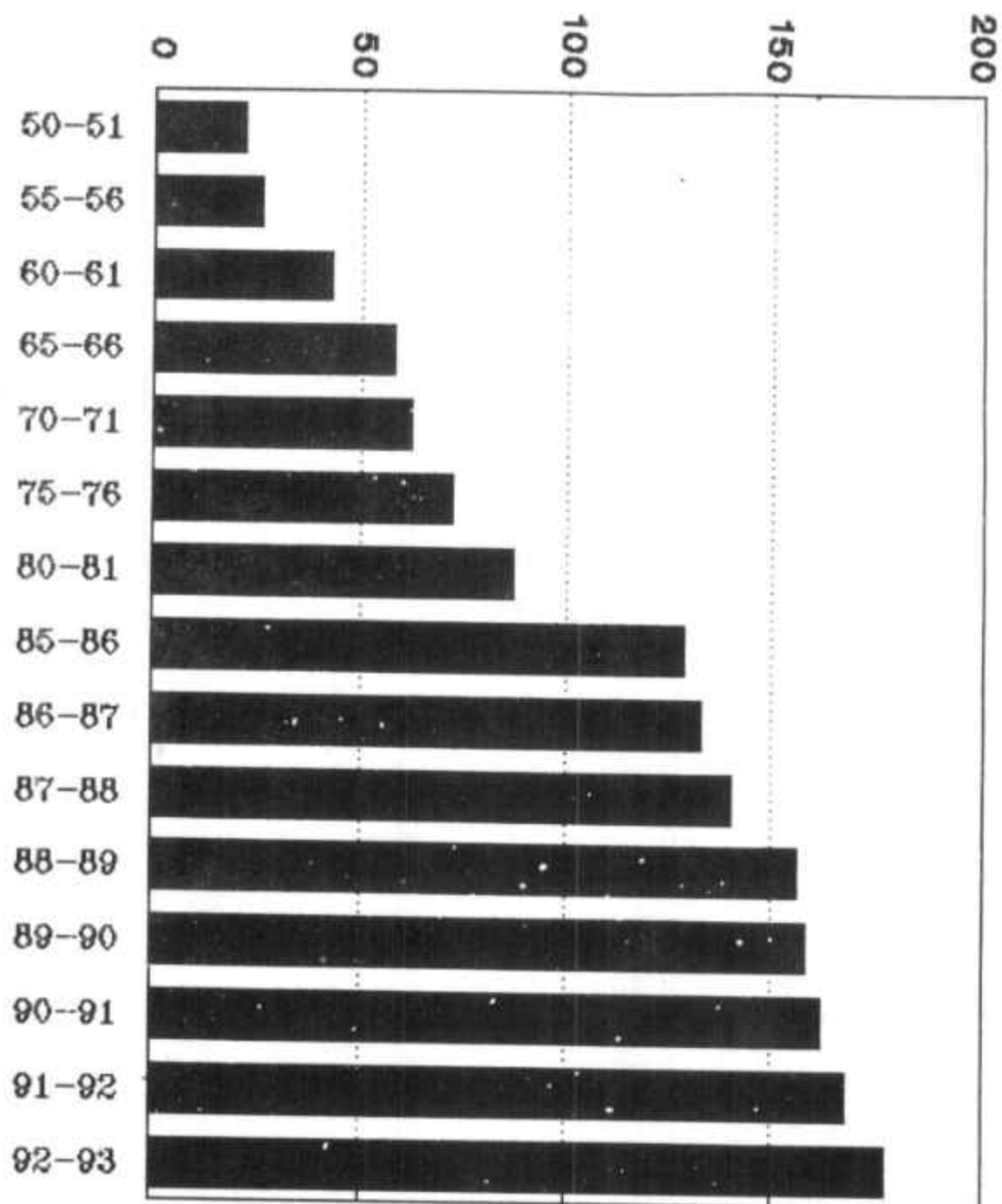
M I N O R P O R T S										
I. CARGO HANDLED (In million tonnes)										
i) Fertiliser & raw material	0.39	0.80	1.64	3.93	2.13	2.98	2.63	2.15		
ii) Iron & other ore	0.92	1.47	1.85	1.69	0.99	1.39	0.95	0.36		
iii) Oil cakes	0.58	0.60	0.47	0.46	0.80	1.67	1.71	2.07		
iv) Building material	0.32	0.54	0.15	1.64	1.46	1.40	1.86	1.80		
v) Salt	0.24	0.63	0.22	0.24	0.15	0.19	0.17	0.17		
vi) Others	4.34	2.46	2.40	1.10	3.54	3.22	3.12	4.82		
TOTAL	6.69	6.50	6.73	9.06	9.07	10.86	10.44	11.27		
II. PASSENGER TRAFFIC HANDLED (Million Nos.)										
	8.00	4.62	4.74	10.56	17.44	16.59	12.76	14.11		
III. SHIP TRAFFIC (Nos.)										
i) Steamers	1427	3435	3055	4128	3709	3731	3294	3228		
ii) Sailing vessels	41258	26295	17868	16861	16587	28224	26129	27072		
IV. EMPLOYMENT (As on 31st March) (In thousand Nos.)										
	1983	1984	1985	1986	1989	1990	1991	1992		
	6.5	6.5	6.5	6.2	7.5	6.9	9.1	9.1		

SECTION - I

SUMMARY TABLES

(MAJOR/MINOR PORTS)

Traffic handled at Indian Ports (In Million Tonnes)



1.1.1 TREND OF CARGO TRAFFIC HANDLED AT PORTS

(In million tons)

PORTS/YEARS	OVERSEAS				COASTAL				OVERSEAS & COASTAL	
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
MAJOR PORTS										
1965-66	22.41	16.62	39.03	5.94	5.25	11.19	28.35	21.87	50.22	
1970-71	21.50	26.58	48.08	4.06	3.44	7.50	25.56	30.02	55.58	
1975-76	29.13	29.04	58.17	4.20	3.64	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	
1988-89	55.40	43.79	99.19	25.90	21.97	47.87	81.30	65.76	147.06	
1989-90	54.13	45.26	99.39	26.72	21.46	48.18	80.85	66.72	147.57	
1990-91	59.02	43.63	102.65	26.07	22.95	49.02	85.09	66.58	151.67	
1991-92	59.91	44.89	104.80	26.66	25.18	51.84	86.57	70.07	156.64	
MINOR PORTS										
1965-66	1.26	2.58	3.84	1.67	2.19	3.86	2.93	4.77	7.70	
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	4.23	6.73	
1985-86	3.87	2.89	6.76	1.03	1.26	2.29	4.90	4.15	9.05	
1988-89	4.26	2.89	7.15	0.97	0.95	1.92	5.23	3.84	9.07	
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	10.44	
1991-92	2.95	4.10	7.05	2.85	1.37	4.22	5.80	5.47	11.27	
ALL PORTS										
1965-66	23.67	19.20	42.87	7.61	7.44	15.05	31.28	26.64	57.92	
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	37.68	87.00	
1985-86	49.69	39.62	89.31	23.19	16.17	39.36	72.88	55.79	128.67	
1988-89	59.66	46.68	106.34	26.87	22.92	49.79	86.53	69.60	156.13	
1989-90	58.38	49.77	108.15	27.86	22.42	50.28	86.24	72.19	158.43	
1990-91	67.39	47.48	109.87	28.04	24.20	52.24	90.43	71.68	162.11	
1991-92	62.86	48.99	111.85	29.51	26.55	56.06	92.37	75.54	167.91	

1.1.2 CARGO HANDLED AT PORTS BY STATE

('000 TONNES)

Type	1965-66	1970-71	1975-76	1980-81	1985-86	1988-89	1989-90	1990-91	1991-92
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
GUJARAT	5768	4278	6305	11541	21051	23154	25552	26655	29311
Kandla	2505	1612	3203	8761	16486	17807	18925	19685	21002
Other Ports	3263	2666	3102	2780	4565	5347	6627	6970	8309
Overseas	3461	2361	4495	9552	12407	14956	16735	18272	19665
Coastal	2307	1917	1810	1989	8644	8198	8817	8383	9646
Loaded	1830	2099	2162	1859	3012	3613	5302	5734	6905
Unloaded	3938	2179	4143	9682	18039	19541	20250	20921	22406
MAHARASHTRA	18786	15288	17637	18351	25910	30204	29782	31849	29587
Bombay	17910	14370	16650	16978	24310	29342	27746	28899	26261
Jawaharlal Nehru	-	-	-	-	-	-	697	2022	2794
Other Ports	876	918	987	1373	1600	862	1339	928	532
Overseas	13869	12113	15028	13803	15438	16847	18223	18984	17328
Coastal	4917	3175	2609	4548	10472	13357	11559	12865	12259
Loaded	5678	4196	4889	5012	13657	16398	15880	16157	15715
Unloaded	13108	11092	12748	13339	12253	13806	13902	15692	13872

1.1.2 CARGO HANDLED AT PORTS BY STATE (CONTD)

('000 TONNES)

Port/State/Type of Traffic	1965-66	1970-71	1975-76	1980-81	1985-86	1988-89	1989-90	1990-91	1991-92
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
GOA	7867	11005	12781	13772	16117	15389	14168	14912	15111
Mormugao	7867	11005	12768	13764	16115	15369	14168	14911	15099
Other Ports	...	...	13	8	-	...	...	1	12
Overseas Coastal	7703	10738	12309	13542	15659	14865	13511	14213	14175
Unloaded	164	267	472	230	458	524	657	699	936
Loaded	7628	10652	12096	12922	14496	13608	12685	13191	12709
Unloaded	239	353	685	850	1621	1781	1483	1721	2402
Daman & Diu	...	...	12	7	4	1	1	neg.	neg.
Overseas Coastal	...	...	-	-	-	-	-	-	-
Loaded	...	...	12	7	4	1	1	neg.	neg.
Unloaded	...	...	9	4	Neg.	-	-	-	-
KARNATAKA	1206	1165	1104	2031	4545	7739	8314	8633	8657
New Mangalore	-	-	339	963	3686	7084	7661	8022	8274
Other Ports	1206	1165	765	1068	859	655	653	611	383
Overseas Coastal	734	750	738	1475	3978	7050	7668	7702	7335
Unloaded	472	415	366	556	567	689	646	931	1322
Loaded	1081	1028	741	1141	3113	5816	6676	6999	7136
Unloaded	125	137	363	890	1432	1923	1638	1634	1521

1.1.2 CARGO HANDLED AT PORTS BY STATE (CONTD.)

('000 TONNES)

Port/State/Type of Traffic	1965-66	1970-71	1975-76	1980-81	1985-86	1988-89	1989-90	1990-91	1991-92
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
KERALA	3295	5144	4582	5424	5388	8128	7281	7405	7611
Cochin	2872	4812	4258	5233	5277	7824	7124	7275	7481
Other Ports	423	332	324	191	111	304	157	130	130
Overseas	1793	3937	3500	3836	2369	3911	3085	2604	3106
Coastal	1502	1207	1082	1588	3019	4217	4196	4801	4505
Loaded	694	1518	1048	1292	819	1412	1188	1145	1169
Unloaded	2601	3626	3534	4132	4569	6716	6093	6260	6442
TAMIL NADU	6376	7844	9552	13128	22849	29294	29640	29820	31099
Tuticorin	-	-	1366	2560	4221	5125	5324	5075	5868
Madras	4872	6925	7883	10375	18148	23863	23940	24518	25046
Other Ports	1504	919	303	193	480	306	376	227	185
Overseas	4360	6933	8491	10979	15501	17837	17736	17714	17849
Coastal	2016	911	1061	2149	7348	11457	11904	12106	13250
Loaded	2396	3726	3348	4498	7341	10435	10317	10062	10754
Unloaded	3980	4118	6204	8630	15508	18859	19323	19758	20345

1.1.2 CARGO HANDLED AT PORTS BY STATE (CONTD.)

('000 TONNES)

Port/State/Type of Traffic	1965-66	1970-71	1975-76	1980-81	1985-86	1988-89	1989-90	1990-91	1991-92
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
PONDICHERY	52	188	392	49	118	413	229	70	53
Overseas	52	188	392	49	118	413	229	70	53
Coastal	-	-	-	-	-	-	-	-	-
Loaded	52	-	-	-	-	-	-	-	-
Unloaded	-	188	392	49	118	413	229	70	53
ANDHRA PRADESH	4842	9233	9086	10972	16985	21510	22491	20545	22702
Visakhapatnam	4460	8733	8548	10123	15911	20372	21117	19421	21522
Other Ports	382	500	538	849	1074	1138	1374	1124	1180
Overseas	4146	8846	8952	10300	12125	16021	16301	14944	16014
Coastal	696	387	134	672	4860	5489	6190	5601	6688
Loaded	2842	6877	6120	6642	7378	10511	11439	9719	11869
Unloaded	2000	2356	2966	4330	9607	10999	11052	10826	10833
ORISSA	-	2157	3326	2241	3331	6054	6252	6945	7447
Paradip	-	2157	3326	2241	3331	6032	6184	6884	7297
Other Ports	-	-	-	-	-	22	68	61	150
Overseas	-	2156	3315	2240	3049	5074	4960	5001	5078
Coastal	-	1	11	1	282	980	1292	1944	2369
Loaded	-	2156	3137	1934	2374	3277	3766	4056	4449
Unloaded	-	1	189	307	957	2777	2486	2889	2998

1.1.2 CARGO HANDLED AT PORTS BY STATE (CONTD.)

('000 TONNES)

Port/State/Type of Traffic	1965-66	1970-71	1975-76	1980-81	1985-86	1988-89	1989-90	1990-91	1991-92
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
WEST BENGAL	9729	5965	7663	9272	12128	14223	14689	14953	16000
Calcutta-Haldia	9729	5965	7663	9272	12128	14223	14689	14953	16000
Other Ports	-	-	-	-	-	-	-	-	-
Overseas	6761	4315	5829	7120	8664	9370	9698	10372	11248
Coastal	2968	1650	1834	2152	3464	4853	4991	4581	4752
Loaded	4445	2718	3184	2284	3471	4528	4933	4537	4747
Unloaded	5284	3247	4479	6988	8657	9695	9756	10416	11253
SEA-ISLANDS	-	-	68	214	242	...	32	317	337
Other Ports	-	-	68	214	242	...	32	317	337
Overseas	-	-	-	3	-	...	-	-	-
Coastal	-	-	68	211	242	...	32	317	337
Loaded	-	-	28	100	126	...	1	82	99
Unloaded	-	-	40	114	116	...	31	235	238
ALL INDIA	57921	62267	72508	87002	128668	156109	158431	162104	167915
Major Ports	50215	55579	66004	80270	119613	147061	147575	151665	156644
Other Ports	7706	6688	6504	6732	9055	9048	10856	10439	11271
Overseas	42879	52337	63049	72899	89308	106344	108146	109876	111851
Coastal	15042	9930	9459	14103	39360	49765	50285	52228	56064
Loaded	26646	34970	36762	37688	55787	69596	72187	71682	75552
Unloaded	31275	27297	35746	49314	72881	86513	86244	90422	92363

1.1.3 CARGO UNLOADED (OVERSEAS & COASTAL) AT PORTS - BY STATE

('000 tonnes)

Port/State/Type of Traffic	1965-66	1970-71	1975-76	1980-81	1985-86	1988-89	1989-90	1990-91	1991-92
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
GUJARAT									
Kandla	2336	1474	2924	8190	15175	16439	16755	17271	18148
Other Ports	1602	705	1219	1492	2864	3102	3495	3650	4258
Total	3938	2179	4143	9682	18039	19541	20250	20921	22406
Overseas	2671	1060	2959	8123	10737	12314	12569	13737	14126
Coastal	1267	1119	1184	1559	7302	7227	7681	7184	8280
MAHARASHTRA									
Bombay	12864	10973	12654	13209	11947	13567	13141	13719	11506
Jawaharlal Nehru	-	-	-	-	-	-	507	1645	2061
Other Ports	244	119	94	130	306	239	254	328	305
Total	13108	11092	12748	13339	12253	13806	13902	15692	13872
Overseas	11398	9663	11630	10725	11168	13106	13353	14770	13143
Coastal	1710	1429	1118	2614	1085	700	549	922	729
GOA									
Mormugao	239	353	675	843	1621	1783	1483	1721	2396
Other Ports	...	...	10	7	-	...	...	-	6
Total	239	353	685	850	1621	1783	1483	1721	2402
Overseas	83	86	216	621	1163	1279	847	1058	1660
Coastal	156	267	469	229	458	504	636	633	742
DAMAN & DIU									
Other Ports	...	...	3	3	4	1	1	neg.	neg.
Total	...	...	3	3	4	1	1	neg.	neg.
Overseas	...	...	-	-	-	-	-	-	-
Coastal	...	...	3	3	4	1	1	neg.	neg.

1.1.3 CARGO UNLOADED (OVERSEAS & COASTAL) AT PORTS - BY STATE (CONTD.)

('000 tonnes)

Port/State/Type of Traffic	1965-66	1970-71	1975-76	1980-81	1985-86	1988-89	1989-90	1990-91	1991-92
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
KARNATAKA									
New Mangalore	-	-	206	639	996	1567	1294	1363	1298
Other Ports	125	137	157	251	436	356	344	271	223
Total	125	137	363	890	1432	1923	1638	1634	1521
Overseas	16	34	242	509	1015	1339	1062	958	776
Coastal	109	103	121	381	417	584	576	676	745
KERALA									
Cochin	2413	3447	3321	4112	4557	6541	6053	6251	6433
Other Ports	188	179	213	20	12	175	40	9	9
Total	2601	3626	3534	4132	4569	6716	6093	6260	6442
Overseas	1486	3436	3109	3533	1803	3130	2519	2138	2566
Coastal	1115	190	425	599	2766	3586	3574	4122	3876
TAMIL NADU									
Tuticorin	3299	3737	922	2117	4016	4852	4900	4541	5099
Madras	681	381	5087	6412	11107	13749	14097	15000	15064
Other Port-	3980	4118	195	101	385	258	326	217	182
Total	2378	3772	6204	8630	15508	18859	19323	19758	20345
Overseas	1602	346	5488	7365	9361	9070	8788	8978	8413
Coastal			716	1265	6147	9789	10535	10780	11932

1.1.3 CARGO UNLOADED (OVERSEAS & COASTAL) AT PORTS - BY STATE (CONTD.)

('000 tonnes)

Port/State/Type 1965-66 1970-71 1975-76 1980-81 1985-86 1988-89 1989-90 1990-91 1991-92 of Traffic

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

PONDICHERY

Other Ports	-	188	392	49	118	413	229	70	53
Total	-	188	392	49	118	413	229	70	53
Overseas	-	188	392	49	118	413	229	70	53
Coastal	-	-	-	-	-	-	-	-	-

ANDHRA PRADESH

Visakhapatnam	1908	2325	2876	3999	8941	10340	10410	10322	10431
Other Ports	92	31	90	331	666	659	642	504	402
Total	2000	2356	2966	4330	9607	10999	11052	10826	10833
Overseas	1979	2253	2904	3797	5528	7691	7824	8429	8999
Coastal	21	103	62	533	4079	3308	3228	2397	1834

ORISSA

Paradip	-	1	189	307	957	2777	2460	2839	2880
Other Ports	-	-	-	-	-	-	26	50	118
Total	-	1	189	307	957	2777	2486	2889	2998
Overseas	-	-	188	306	957	2777	2486	2889	2998
Coastal	-	1	1	1	-	-	-	-	-

1.1.3 CARGO UNLOADED (OVERSEAS & COASTAL) AT PORTS - BY STATE (CONTD.)

('000 tonnes)

Port/State/Type of Traffic	1965-66	1970-71	1975-76	1980-81	1985-86	1988-89	1989-90	1990-91	1991-92
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
WEST BENGAL									
Calcutta-Haldia	5284	3247	4479	6988	8657	9695	9756	10416	11253
Other Ports	-	-	-	-	-	-	-	-	-
Total	5284	3247	4479	6988	8657	9695	9756	10416	11253
Overseas	3660	1872	3810	5983	7841	8545	8701	9366	10125
Coastal	1624	1375	669	1005	816	1150	1055	1050	1128
SEA-ISLAND									
Other Ports	-	-	40	114	116	...	31	235	238
Total	-	-	40	114	116	...	31	235	238
Overseas	-	-	-	-	-	...	-	-	-
Coastal	-	-	40	114	116	...	31	235	238
ALL INDIA									
MAJOR PORTS	28343	25557	33333	46816	67974	81310	80856	85088	86569
Other Ports	2932	1740	2413	2498	4907	5203	5388	5334	5794
Total	31275	27297	35746	49314	72881	86513	86244	90422	92363
Overseas	23671	22364	30938	41011	49691	59664	58378	62393	62859
Coastal	7604	4933	4808	8303	23190	26849	27866	28029	29504

1.1.4 CARGO LOADED (OVERSEAS AND COASTAL) AT PORTS - BY STATE

('000 tonnes)

Port/State/Type of traffic	1965-66	1970-71	1975-76	1980-81	1985-86	1988-89	1989-90	1990-91	1991-92
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
GUJARAT									
Kandla	169	138	279	571	1311	1368	2170	2414	2854
Other Ports	1661	1961	1883	1288	1701	2245	3132	3320	4051
Total	1830	2099	2162	1859	3012	3613	5302	5734	6905
Overseas	790	1301	1536	1429	1670	2642	4166	4535	5539
Coastal	1040	798	626	430	1342	971	1136	1199	1366
MAHARASHTRA									
Bombay	5046	3397	3996	3769	12363	15775	14605	15180	14755
Jawaharlal Nehru	-	-	-	-	-	-	190	377	733
Other Ports	632	799	893	1243	1294	623	1085	600	227
Total	5678	4196	4889	5012	13657	16398	15880	16157	15715
Overseas	2471	2450	3398	3078	4270	3741	4870	4214	4185
Coastal	3207	1746	1491	1934	9387	12657	11010	11943	11530
GOA									
Mormugao	7628	10652	12093	12921	14494	13606	12685	13190	12703
Other Ports	...	...	3	1	2	-	-	1	6
Total	7628	10652	12096	12922	14496	13606	12685	13191	12709
Overseas	7620	10652	12093	12921	14496	13586	12664	13155	12515
Coastal	8	...	3	1	-	20	21	36	194
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 (CONTD.)

('000 tonnes)

Port/State/Type of Traffic 1965-66 1970-71 1975-76 1980-81 1985-86 1988-89 1989-90 1990-91 1991-92

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

KARNATAKA

New Mangalore

Other Ports

Total

Overseas

Coastal

-
1081
1081
718
363

133
608
741
496
245

324
817
1141
966
175

2690
423
3113
2963
150

5517
299
5816
5711
105

6367
309
6676
6606
70

6659
340
6999
6744
255

6976
160
7136
6559
577

KERALA

Cochin

Other Ports

Total

Overseas

Coastal

459
235
694
307
387

937
111
1048
391
657

1121
171
1292
303
989

720
99
819
566
253

1283
129
1412
781
631

1071
117
1188
566
622

1024
121
1145
466
679

1048
121
1169
540
629

TAMIL NADU

Tuticorin

Madras

Other Ports

Total

Overseas

Coastal

-
1573
823
2396
1982
414

444
2796
108
3348
3003
345

443
3963
92
4498
3614
884

205
7041
95
7341
6140
1201

273
10114
48
10435
8767
1668

424
9843
50
10317
8948
1369

534
9518
10
10062
8736
1326

769
9982
3
10754
9436
1318

1.1.4 CARGO LOADED (OVERSEAS AND COASTAL) AT PORTS - BY STATE

Port/State/Type of Traffic	1965-66	1970-71	1975-76	1980-81	1985-86	1988-89	1989-90	1990-91
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
PONDICHERY								
Other Ports	52	-	-	-	-	-	-	-
Total	52	-	-	-	-	-	-	-
Overseas	52	-	-	-	-	-	-	-
Coastal	-	-	-	-	-	-	-	-
ANDHRA PRADESH								
Visakhapatnam	2552	6408	5672	6124	6970	10032	10707	9099
Other Ports	290	469	448	518	408	479	732	620
Total	2842	6877	6120	6642	7378	10511	11439	9719
Overseas	2167	6593	6048	6503	6597	8330	8477	6515
Coastal	675	284	72	139	781	2181	2962	3204
ORISSA								
Paradip	-	2156	3137	1934	2374	3255	3724	4045
Other Ports	-	-	-	-	-	-	42	11
Total	-	2156	3137	1934	2374	3255	3766	4056
Overseas	-	2156	3127	1934	2092	2275	2474	2112
Coastal	-	-	10	-	282	980	1292	1944
								2369

1.1.4 CARGO LOADED (OVERSEAS AND COASTAL) AT PORTS - BY STATE (CONTD.)

('000 tonnes)

	1965-66	1970-71	1975-76	1980-81	1985-86	1988-89	1989-90	1990-91	1991-92
(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	

BENGAL

Cuttack-Haldia	4445	2718	3184	2284	3471	4528	4933	4537	4747
Other Ports	-	-	-	-	-	-	-	-	-
Total	4445	2718	3184	2284	3471	4528	4933	4537	4747
Overseas	3101	2443	2019	1137	823	825	997	1006	1123
Coastal	1344	275	1165	1147	2648	3703	3936	3531	3624

SEA-ISLANDS

Other Ports	-	-	28	100	126	...	1	82	99
Total	-	-	28	100	126	...	1	82	99
Overseas	-	-	-	3	-	...	-	-	-
Coastal	-	-	28	97	126	...	1	82	99

ALL INDIA

Major Ports	21872	30022	32671	33454	51639	65751	66719	66577	70075
Other Ports	4774	4948	4091	4234	4148	3845	5468	5105	5477
Total	26646	34970	36762	37688	55787	69596	72187	71682	75552
Overseas	19208	29973	32111	31888	39617	46680	49768	47483	48992
Coastal	7438	4997	4651	5800	16170	22916	22419	24199	26560

SECTION - II

MAJOR PORTS

- 2.1 PORT FACILITIES
- 2.2 CARGO TRAFFIC
- 2.3 PASSENGER TRAFFIC
- 2.4 SHIP TRAFFIC
- 2.5 PORT CAPACITIES
- 2.6 PORT PERFORMANCE INDICATORS
- 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-	Minimum Depth	Minimum Width	No. (in mtrs.)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Kandla	23 01'N	70 13'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	10.6	366	Not applicable for entrance channel only for Dock Basin.	Natural Harbour with wet docks.	
J.L. Nehru	18 56.5'N	72 57.5'E	...	14.6	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 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	

2.1.1.1 TOPOGRAPHY OF MAJOR PORTS

PORT	Location		Entrance Channel		Turning Circle		Type of Dock/Port
	Latitude	Longitude	Distance of anchor	Minimum width	Minimum diameter	No. of turns	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Tuticorin	8 45'N	78 13'E	5.6	9.2	153	1	488
Madras	13 6'N	80 10'E	5.6	10.6	245	1	559
Visakhapatnam	17 41'N	83 18'E	4.4	10.7	80	1	366
-Inner Harbour			2.6	19.0	200	1	610
Paradip	20 15'N	86 40'E	5.8	12.8	160	1	520
Calcutta	22 33'N	88 19'E	40.0	6.7	467	2	549
Haldia	22 2'N	80 6'E	116.7	9.14	467	1	550

2.1.2 DETAILS OF BERTHS AT MAJOR PORTS

PORT	TYPE OF BERTH (No.)	Draft (In mtr.)	Length (In mtr.)	Max. size of ship: that can be acco- mmodated (DWT)	Percentage: occupancy during 1990-91	Percentage: occupancy during 1991-92
(1)	(2)	(3)	(4)	(5)	(6)	(7)
KANDLA	General Cargo Jetties(6)	9.1	226	54000	99	99
	Oil Jetty - I (1)	10.4	213	40000	83	90
	Oil Jetty - II (1)	9.1	192	28000	48	42
	Oil Jetty - III (1)	9.4	213	40000	82	92
	S.B.M.(Vadinar) (1)	22.0	-	280000	57	63
BOMBAY	Indira Dock (28*)	8.5-10.7	224	Length overall 600 feet	80	63
	Victoria Dock (14)	7.3-7.9	152	Length overall 460 feet	69	56
	Princes Dock (8)	7.3	212	Length overall 500 feet	84	65
	Butcher Island (4)	11.6-14.3	244-493	80000 DWT	70	77
	Pir Pau Oil Pier (1)	9.7	174	16000 DWT	72	64
J.L. NEHRU	Container (3)	13.5	680	3rd Generation Linear length container U/L's of Quay	19	51
	Dry Bulk (2)	13.5(each)	500	70000 DWT	70	66
	Service	13.5	212	50000 DWT		

*:Included 3 Container berth.

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 1990-91	Percentage occupancy : during 1991-92
(1)	(2)	(3)	(4)	(5)	(6)	(7)
MORMUGAO	1. Port Craft (1)	4.3	90	-	-	-
	2. General Cargo	6.0	90	2000	8	9
	3. 8 (Partly upto Ballard No. 7)					
	4. General Cargo (Partly from Ballard No. 14-16)	8.5	65	1000	14	11
	5. General Cargo	8.5	159	25000	76	75
	6. Ore/ MOHP	8.5	223	30000	47	57
	7. Berge Berth (adjacent to berth No.6)	3.5	100	-	-	-
	8. Oil Berth	12.0	116(298**)	35000	73	81
	9. MOHP	13.0	222(357**)	275000	72	61
	10. General Cargo	10.0	250	34000	63	65
NEW MANGALORE	General (7)	7.0-10.1	125-198	2000(each)	*	37,72,68,45 56,57,76
	KLOCL (1)	12.5	285	6000	70	72
	Oil Jetty (1)	10.1	330	3000	32	33
				* 39,68,79,54 72,41,48		

@ : Ballard No. between 7 to 14 out of commission
 **: Length between extreme morring 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 1990-91	Percentage occupancy during 1991-92
(1)	(2)	(3)	(4)	(5)	(6)	(7)
COCHIN	Break bulk (6)	9.1(each)	152-183	...	56,59,40,37 37,33. 81,85 56 22	43,41,30,28 32,17 84,82 55 28
	Fertiliser (2)	8.5-10.7	152-207	...		
	Oil Terminal(1)	9.1-10.7	198-440	120000		
	Tanker berth(2)	9.1-10.7	-	...		
	(North South)					
	Container (2)	9.1(each)	152(each)	...	70,66	61,69
TUTICORIN	General Cargo Berth(6)	8.2	168-192		93,89,87 68,80,66 29 64	89,83,85,79 81,77 35 81
	Oil Jetty (1)	8.2	228	46153		
	Coal Jetty (1)	8.2	235	-		
	Passenger Jetty (1)	4.5	-	-		
MADRAS	General/Dry Bulk (9)	8.5-11.0	171-218	...	86,89,82,88,82, 87,73,90,98. 92,84,80,91. 97,97,91,99. 74,76 67 97 86	72,88,68,79,84 65,64,84,96. 78,74,75,72 100,100,82,100 74,68. 62 81 72
	General (4)	7.9-9.1	171(each)	...		
	Coal/General (4)	7.9-11.0	157-218	...		
	Oil (2)	16.0-17.4	304-339	...		
	Ore (1)	17.4	222	...		
	Container (1)	11.0	380	...		
	Passenger (1)	8.5	198	...		
	Coast Guard(1)	4.5		...		

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 1990-91	Percentage : occupancy during 1991-92
(1)	(2)	(3)	(4)	(5)	(6)	(7)
VISAKHAPATNAM						
INNER HARBOUR :						
Multi-Purpose Berths* (8)						
	Berth - I	9.5	168	35000	95	100
	Berth - II	9.5	168	35000	90	97
	Berth - III	9.5	168	35000	93	90
	Berth - IV	10.1	168	35000	98	99
	Berth - V	10.1	168	35000	96	96
	Berth - VI	10.1	168	35000	93	93
	Berth - VII	10.2	195	36000	97	100
	Berth - VIII	10.2	194	36000	97	98
	Dry Bulk Berth (1)	10.1	194	35000	82	72
	(Mech) F B					
	Oil Berth (2)	10.1	183	36000	63	67
	Liquid Bulk Berth	9.8	183	36000	88	84
OUTER HARBOUR :						
	Ore Berth (2)					
	Dry Bulk Berth (Iron-ore)	16.0	270	120000	65	91
	Dry Bulk Berth (Iron-ore)	15.3	270	120000	53	34
	General-cum-Bulk	13.2	232	60000	82	84
	Cargo Berth (1)					
	Off-shore Tanker	15.0	280	120000	43	50
	Terminal Berth (1)					

* For handling Break- Bulk/Container.

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 1990-91	Percentage occupancy during 1991-92
(1)	(2)	(3)	(4)	(5)	(6)	(7)
PARADIP	General Cargo Berth (3)					
	Dry & Break-bulk-I	11.0	291	50000-55000	89	73
	Dry & Break-bulk-II	11.0	196	-do-	77	71
	Dry & Break-bulk-III	11.0	200	-do-	90	77
	Iron Ore Berth (1)	11.9	155	50000-80000	51	40
	(Mechanised Dry-bulk)		(320m. bet ween Dolphin)	depend on weather conditions		
	Fertiliser Berth (1)	11.0	252	40000-60000	32	27
	(Mechanised Liquid bulk)					
	South Quay*	11.0	215	50000-55000	84	70
CALCUTTA	Multi Purpose Berth (20)					
	1. Berth 1/KPD	9.2	133	515' length 70' Breadth	60	34
	2. Berth 5/7KPD	9.2	229	- do -	71	63
	3. Berth 9.KPD	9.2	108	- do -	70	43
	4. Berth 11KPD	9.2	151	- do -	65	65
	5. Berth 4KPD	9.2	136	- do -	18	42

* 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 acco- :mmodated (DWT)	Percentage: occupancy : during : : 1990-91 : 1991-92	Percentage: occupancy : during : : 1990-91 : 1991-92
(1)	(2)	(3)	(4)	(5)	(6)	(7)
CALCUTTA (CONTD.)	6. Berth 8/KPD	9.2	128	515' length 70' Breadth	66	54
	7. Berth 10KPD	9.2	161	- do -	74	68
	8. Berth 12KPD	9.2	143	- do -	47	45
	9. Berth 24KPD	9.2	152	- do -	59	43
	10. Berth 25KPD	9.2	159	- do -	56	49
	11. Berth 26KPD	9.2	185	- do -	68	53
	12. Berth 27KPD	9.2	195	- do -	76	64
	13. Berth 28KPD	9.2	195	- do -	73	74
	14. Berth 29KPD	8.2	183	- do -	71	61
	15. Berth 1NSD	9.3	200	565' length 80' Breadth	67	61
	16. Berth 2NSD	9.3	157	- do -	78	80
	17. Berth 3NSD	9.3	183	- do -	78	79
	18. Berth 4NSD	9.3	181	- do -	61	59
	19. Berth ANSD	9.3	174	- do -	70	64
	20. Berth BNSD	8.1	174	- do -	65	70
	CONTAINER & GEN. CARGO					
	1. Berth 3KPD	9.2	128	- do -	30	31
	LASH BARGES					
	1. Berth 6KPD	9.2	118	- do -	49	82
	PASSENGER & GEN. CARGO					
	1. Berth 22KPD	9.2	151	515' Length 70' Breadth	59	31
	FOODGRAINS					
	1. Berth 23KPD	9.2	147	- do -	57	51

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 1990-91	Percentage occupancy : during 1991-92
(1)	(2)	(3)	(4)	(5)	(6)	(7)
CALCUTTA (CONTD.)						
CONTAINERS						
1. Berth SNSD		8.4	183	565' Length 80' Breadth	51	53
2. Berth DNSD		8.1	192	- do -	59	59
OIL BERTH						
1. Berth CNSD		8.1	152	- do -	46	47
LIQUID BULK						
Berth 1 Buj Buj		Upto 9 Mtrs.	215	625' Length	51	54
Berth 2 -do-		-do-	183	-do-	30	40
Berth 3 -do-		-do-	85	-do-	27	27
Berth 5 -do-		-do-	183	-do-	31	41
Berth 8 -do-		-do-	220	-do-	36	35
HALDIA						
1. Liquid Bulk		8.5	229	LOA 238 mts.	73	73
2. Dry Liquid Bulk		10.0	338		63	52
3. Dry Bulk		10.0	284		80	85
4. Dry Liquid Bulk		10.0	243	LOA 239 mts.	64	61
5. Dry/Break/Liquid Bulk		10.0	235	Beam 32.3 mts. Allotted to ONGC.		
6. -do-		10.0	235		63	42
7. Dry/Break/Container		10.0	235		92	90
8. -do-		10.0	443		69	67
9. Berth No.2 (commissioned Liquid Bulk in oct 91)		...	...	...	-	47

2.1.1.3. STORAGE FACILITIES AT MAJOR PORTS

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)
KANDLA	i) Transit Sheds	9	33369	Adequate storage facilities are available with Private agencies at the vicinity of the Port.			
	ii) Ware-Houses (Double storage)	4	22311				
	iii) Other covered areas (Godowns)	8	23617				
	iv) Open area	Ample	-				
BOMBAY	i) Transit Sheds	29	191908	8	P&V Docks	7 Nos. 11490	Molasses
	ii) Ware-Houses	36	154540+			1 No. 6486	
			34000				
			(Under construction)				
	iii) Other covered area (container freight station)	7	21392	11	Butcher Island	Tonnes. Varies from 200- 32600KL.	POL Products & fresh water
	iv) Open Area	(At various places)	306617				
	v) Container storage yard	4	5830		Ground slots for FCL containers.		

2.1.3. STORAGE FACILITIES AT MAJOR PORTS (CONTD.)

PORT	Dry Storage Accomodation			Liquid Storage Tanks		
	Type	No.	Area (Sq. mters)	No. Location	Capa- city	Type of Cargo
(1)	(2)	(3)	(4)	(5)	(6)	(7) (8)
MORMUGAO	i) Transit Sheds	3	11364	3 Within Harbour	16000 (12150 met.cube)	Molasses.
	ii) Ware-Houses	6	11700			
	iii) Other covered area					
	(a) Storage shed at Vasco	3	4910			
	(b) CWC's godowns	2	4000			
	(c) CWC godowns at headland	2	4012			
	(d) Food Corporation of India godowns at headland	2	8268			
	iv) Open Area					
	(a) General Cargo		19500			
	(b) Ores					
	i) At MOHP (Berth No.6)		19000			
	ii) At MOHP (Berth No.9)		80000			
NEW MANGALORE	i) Transit Sheds	5	12144	34	Inside and	140400 KL Neptha, Petro-
	ii) Ware-Houses	8	17520		outside the	& lium products,
	iii) Other covered storage	-	-		security wall. 26000 MT	Molasses, Palm-
	iv) Open area	3	24857			oil, Phosphoric Acid Amonia etc.

2.1.1.3. 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)
COCHIN	i) Transit Sheds	10	30013	14	Near BTB	12140 Tonnes
	ii) Ware-Houses	9	20272			Cashew Shall, Liquid Ammonia
	iii) Over Flow Sheds	7	12585	1	S C B	Hedrochloric Acid, Phospho- ric Acid.
	iv) Hazardous Sheds	4	369			
	v) Container freight station	1	3402	2	Q 10	
	vi) Carbide Shed	1	61			
TUTICORIN	i) Transit Sheds	2	10800	3	Close of Haza- rdous shed & located at berth No.IV.	24400 Ammonia, Phosphoric Acid.
	ii) Ware-houses	3	15550			
	iii) Other covered area	2	733 & 739			
	iv) Open Area		24000			
MADRAS	i) Transit Sheds	10	47841	16	Bharathi Dock/ South Quay	76400 Oils, Acids & Chemicals.
	ii) Ware-Houses	12	65686			
	iii) Container Freight station	1	6300			
	iv) Other covered area	7	749750			
	v) Other Open space		38600			

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)
VISAKHAPATNAM	i) Transit Sheds ii) Ware-Houses iii) Other covered area (S.2 & S.3 sheds) iv) Open area	7 3 2	30959 27044 8113	13	West Ore berths West jetty berths area	19098 M.Tonnes	Edible oils & Molasses, caustic soda, P.Acid & Ammonia.
PARADIP	i) Transit Sheds ii) Ware-Houses iii) Other covered area iv) Open Area	5 4 - -	19780 8968 220300 ...	2	10km. from port. port.	-	Ammonia & Phosphoric Acid.
CALCUTTA	i) Transit Shed ii) Ware-Houses iii) Other covered area iv) Open Area	27 59 - -	83000 394000 376000 232000	82	Near NS Dock Buj Buj	27000 M.Tonnes	POL(product) Veg.oil. other Liquid cargo.
HALDIA	i) Transit Sheds ii) Ware House iii) Other covered Area iv) Open Area	1 1 1 4	100000 - 12000 332275	...	...	...	...

2.1.4 PERFORMANCE OF CARGO HANDLING EQUIPMENTS FOR THE YEARS 1989-90, 1990-91 & 1991-92

S. No.	Name of the Port	Equipments	1989-90			1990-91			1991-92		
			(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
						% Avail- ability	& Utili- sation	% Avail- ability	& Utili- sation	% Avail- ability	& Utili- sation
1.	KANDLA	Wharf Crane				88.0	33.0	83.0	31.0	77.0	30.0
		Mobile Crane				85.0	03.0	80.0	Nil	97.0	Nil
		Forklift Truck				81.0	35.0	78.0	33.0	90.0	28.0
2.	BOMBAY	Wharf Crane				78.0	25.0	86.0	22.0	85.0	16.0
		Mobile Crane				57.0	24.0	80.0	20.0	70.0	17.0
		Forklift Truck				66.0	33.0	81.0	29.0	66.0	25.0
3.	MORMUGAO	Wharf Crane				91.0	23.0	91.0	15.0	91.0	22.0
		Mobile Crane				88.0	19.0	94.0	08.0	93.0	10.0
		Forklift Truck				75.0	18.0	81.0	06.0	84.0	05.0
4.	N.MANGALORE	Wharf Crane				50.0	03.0	46.0	02.0	50.0	04.0
		Mobile Crane				73.0	02.0	68.0	03.0	85.0	02.0
		Forklift Truck				76.0	03.0	71.0	04.0	70.0	05.0
5.	COCHIN	Wharf Crane				81.0	12.0	91.0	13.0	79.0	08.0
		Mobile Crane				55.0	24.0	58.0	20.0	56.0	13.0
		Forklift Truck				60.0	20.0	57.0	20.0	54.0	14.0

2.1.4 PERFORMANCE OF CARGO HANDLING EQUIPMENTS FOR THE YEARS 1989-90, 1990-91 & 1991-92 (CONTD.)

S. No.	Name of the Port	Equipments	1989-90		1990-91		1991-92	
			% 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 Mobile Crane Forklift Truck	85.0 78.0 85.0	23.0 10.0 16.0	76.0 78.0 94.0	21.0 16.0 15.0	77.0 83.0 92.0	23.0 15.0 13.0
7.	MADRAS	Wharf Crane Mobile Crane Forklift Truck	89.0 69.0 80.0	50.0 46.0 41.0	84.0 71.0 74.0	51.0 48.0 42.0	83.0 18.0 74.0	37.0 36.0 37.0
8.	VISAKHAPATNAM	Wharf Crane Mobile Crane Forklift Truck	85.0 69.0 67.0	26.0 26.0 19.0	90.0 77.0 72.0	23.0 21.0 18.0	93.0 85.0 77.0	33.0 20.0 13.0
9.	PARADIP	Wharf Crane Mobile Crane Forklift Truck	63.0 70.0 56.0	27.0 10.0 06.0	94.0 71.0 60.0	37.0 15.0 13.0	82.0 73.0 75.0	33.0 20.0 21.0
10.	CALCUTTA	Wharf Crane Mobile Crane Forklift Truck	74.0 61.0 68.0	30.0 26.0 34.0	63.0 63.0 84.0	23.0 32.0 42.0	70.0 64.0 65.0	23.0 30.0 36.0

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. TREND OF CARGO TRAFFIC HANDLED AT VARIOUS MAJOR PORTS

(In Million Tonnes)

Year	P O R T S												
	:Kandla:Bombay:J.L.	:Mormu:-:N.Manga-:Cochin:Tuti-	:Madras:Visakha:Paradip:Calcutta:	Total									
	:gao	:lore	:corin	:patnam	:Haldia								
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	9.88	1.37	10.01	96.38	
1984-85	15.74	26.94	-	14.30	3.38	4.07	3.77	14.13	11.08	2.14	10.27	105.82	
1985-86	16.49	24.31	-	16.12	3.69	5.28	4.22	18.15	15.91	3.33	12.13	119.63	
1986-87	16.19	25.08	-	14.92	5.43	6.88	4.13	19.78	15.04	4.85	12.07	124.37	
1987-88	18.06	29.57	-	13.33	6.11	6.80	4.26	22.82	15.37	5.19	13.07	134.60	
1988-89	17.81	29.34	-	15.39	7.09	7.82	5.13	23.86	20.37	6.03	14.22	147.06	
1989-90	18.92	27.75	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	14.51	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	

2.2.3 TREND OF CARGO TRAFFIC HANDLED (COMMODITY-WISE) AT MAJOR PORTS IN INDIA
(1950-51 To 1991-92)

(In '000 Tonnes)

Year	POL	Ferti- liser	Fertili- ser's Raw Material	Iron Ore	Coal	Food- grains	Others	Total	Unloaded	Loaded
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1950-51	1544	288	120	277	2832	3313	11010	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 TREND OF CARGO TRAFFIC HANDLED (COMMODITY-WISE) AT MAJOR PORTS IN INDIA
(1950-51 To 1991-92)

(In '000 Tonnes)

Year	POL	Ferti- liser	Fertili- ser's Raw Material	Iron Ore	Coal	Food- grains	Others	Total	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	25198	147575	80856	66719
1990-91	64004	2821	6064	31730	19659	1528	25801	151665	85088	66577
1991-92	67602	3153	6767	31601	22403	1539	23579	156644	86569	70075

Note:- Since 1989-90 Fertiliser Raw Material Includes liquid raw fertiliser also.
* Included with Fertilisers.

2.2.4 TREND OF CARGO TRAFFIC HANDLED (COMMODITY-WISE) AT KANDLA PORT
(1954-55 To 1991-92)
(In '000 Tonnes)

Year	POL	Fertiliser	Fertiliser's		Foodgrains	Others	Total	Unloaded	Loaded
			Raw	Material					
(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	239
1958-59	599	2	-	201	285	1087	897	190	190
1959-60	563	37	1	191	349	1141	840	301	301
1960-61	708	52	41	413	359	1573	1231	342	342
1961-62	754	32	8	327	266	1387	1114	273	273
1962-63	913	98	33	342	356	1742	1409	333	333
1963-64	951	49	18	450	311	1779	1491	288	288
1964-65	944	44	46	985	293	2312	2054	258	258
1965-66	927	108	24	1245	201	2505	2336	169	169
1966-67	856	257	34	1242	272	2661	2424	237	237
1967-68	631	240	119	1182	293	2465	2260	205	205
1968-69	692	310	125	564	344	2035	1709	326	326
1969-70	942	297	59	526	286	2110	1804	306	306
1970-71	878	145	58	326	205	1612	1474	138	138
1971-72	1224	349	111	39	309	2032	1798	234	234

2.2.4 TREND OF CARGO TRAFFIC HANDLED (COMMODITY-WISE) AT KANDLA PORT
(1954-55 To 1991-92)

(In '000 Tonnes)

Year	POL	Fertiliser	Fertiliser's Raw Material	Foodgrains	Others	Total	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	262	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	3403	18925	16755	2170
1990-91	15062	308	737	585	2993	19685	17271	2414
1991-92	16503	365	936	940	2258	21002	18148	2854

2.2.5 TREND OF CARGO TRAFFIC HANDLED (COMMODITY-WISE) AT BCMEA PORT
(1950-51 To 1969-70)

(In '000 Tonnes)

Year	POL	Fertiliser	Fertiliser's		Foodgrains	Coal	Others	Total	Unloaded	Loaded
			Raw	Material						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
1950-51	1900	122	...	1823	163	34	7436	...	...	...
1951-52	2003	83	...	2191	126	3094	7497	...	...	...
1952-53	1803	71	...	1176	132	3296	6478	4711	1767	1767
1953-54	1969	52	...	880	222	3818	6941	4958	1983	1983
1954-55	2268	100	...	1516	145	3060	7089	5340	1749	1749
1955-56	4654	73	30	1793	85	3045	9680	6437	3243	3243
1956-57	6694	70	41	856	65	4713	12439	8579	3860	3860
1957-58	6459	130	58	2026	78	4714	13465	9711	3754	3754
1958-59	5721	224	63	1566	29	4394	11997	8638	3359	3359
1959-60	6823	310	72	1754	20	4574	13553	9927	3626	3626
1960-61	7311	208	67	2113	20	4630	14349	10720	3629	3629
1961-62	7794	219	83	1221	161	4433	13911	10030	3881	3881
1962-63	8262	220	141	1826	212	5305	15966	11407	4559	4559
1963-64	10201	222	192	1622	115	5002	17354	12272	5082	5082
1964-65	11119	235	182	2340	-	5003	18879	13355	5524	5524
1965-66	9937	284	236	1568	-	5885	17910	12864	5046	5046
1966-67	9919	250	329	2103	-	4406	17007	11960	5047	5047
1967-68	8709	984	500	2475	-	4255	16923	12587	4336	4336
1968-69	9731	1360	281	3265	-	4385	19022	14772	4250	4250
1969-70	8668	823	282	1407	-	3992	15172	11696	3476	3476

2.2.5 TREND OF CARGO TRAFFIC HANDLED (COMMODITY-WISE) AT BOMBAY PORT
(1950-51 TO 1991-92)

(In '000 Tonnes)

Year	POL	Fertiliser	Fertiliser's Raw Material	Foodgrains	Coal	Others	Total	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	335	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	45	621	625	-	7937	28899	13719	15180
1991-92	19512	37	457	340	-	5915	26261	11506	14755

2.2.5 (a) TREND OF CARGO TRAFFIC HANDLED (COMMODITY-WISE) AT J.L. NEHRU PORT
(1950-51 To 1991-92)

(In '000 Tonnes)

Year	POL	Fertiliser	Fertiliser's Raw Material	Foodgrains	Coal	Others	Total	Unloaded	Loaded
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1989-90	-	102	132	-	-	406	697	507	190
1990-91	-	516	850	-	-	656	2022	1654	377
1991-92	-	623	820	-	-	1351	2794	2061	733

2.2.7 TREND OF CARGO TRAFFIC HANDLED (COMMODITY-WISE) AT NEW MANGALORE PORT
(1974-75 To 1991-92)

(In '000 tonnes)

Year	POL	Fertiliser	Fertiliser's Raw Mate- rial	Foodgrains	Iron Ore	Others	Total	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	200	-	-	3	327	901	674	227
1980-81	310	207	-	14	3	439	963	639	324
1981-82	364	180	-	152	547	399	1642	821	821
1982-83	351	153	-	22	1123	624	2272	851	1421
1983-84	348	211	-	141	1231	906	2837	1242	1595
1984-85	437	247	-	88	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	-	-	5877	1015	7661	1294	6367
1990-91	612	83	-	-	5951	1277	8022	1363	6659
1991-92	622	141	-	-	5993	1343	8274	1298	6976

2.2.8 TREND OF CARGO TRAFFIC HANDLED (COMMODITY-WISE) AT COCHIN PORT
(1950-51 to 1991-92)

(In '000 tonnes)

Year	POL	Fertiliser	Fertiliser's		Foodgrains	Coal	Others	Total	Unloaded	Loaded
			Raw Mate- rial *							
(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 TREND OF CARGO TRAFFIC HANDLED (COMMODITY-WISE) AT COCHIN PORT (CONTD.)
(1950-51 to 1991-92)

(In '000 tonnes)

Year	POL	Fertiliser	Fertiliser's Raw Mate- rial *	Foodgrains	Coal	Others	Total	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	3857	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	...	15	-	563	6883	5600	1283
1987-88	5366	110	...	23	-	546	6802	5585	1217
1988-89	6268	139	...	175	-	693	7824	6541	1283
1989-90	5589	209	...	45	-	601	7124	6053	1071
1990-91	5804	181	...	40	-	566	7275	6251	1024
1991-92	5881	148	...	19	-	612	7481	6433	1048

* Break up not available for the years 1950-51 to 1985-86.

2.2.10 TREND OF CARGO TRAFFIC HANDLED (COMMODITY-WISE) AT MADRAS PORT (CONTD.)
(1950-51 To 1991-92)

(In '000 tonnes)

Year	POL	Ferti- liser	Fertiliser's Raw Material	Foodgrains	Iron Ore	Coal	Others	Total	Unloaded	Loaded
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
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	4926	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

2.2.8 TREND OF CARGO TRAFFIC HANDLED (COMMODITY-WISE) AT COCHIN PORT (CONTD.)
(1950-51 to 1991-92)

(In '000 tonnes)

Year	POL	Fertiliser	Fertiliser's Raw Mate- rial *	Foodgrains	Coal	Others	Total	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	3857	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	3577	398
1985-86	3863	769	...	5	-	640	5277	4457	720
1986-87	5432	139	...	15	-	563	6883	5600	1283
1987-88	5366	110	...	23	-	546	6802	5585	1217
1988-89	6268	139	...	175	-	693	7824	6541	1283
1989-90	5589	209	...	45	-	601	7124	6053	1071
1990-91	5804	181	...	40	-	566	7275	6251	1024
1991-92	5881	148	...	19	-	612	7481	6433	1048

* Break up not available for the years 1950-51 to 1985-86.

2.2.9 TREND OF CARGO TRAFFIC HANDLED (COMMODITY-WISE) AT TUTICORIN PORT
(1974-75 to 1991-92)

(In '000 tonnes)

Year	POL	Fertiliser	Fertiliser Raw Material	Foodgrains	Coal	Others	Total	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

2.2.10 TREND OF CARGO TRAFFIC HANDLED (COMMODITY-WISE) AT MADRAS PORT
(1950-51 to 1991-92)

(In '000 tonnes)

Year	POL	Fertiliser	Fertiliser's Raw Material	Foodgrains	Iron Ore	Coal	Others	Total	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 TREND OF CARGO TRAFFIC HANDLED (COMMODITY-WISE) AT MADRAS PORT (CONTD.)
(1950-51 To 1991-92)

(In '000 tonnes)

Year	POL	Ferti- liser	Fertiliser's Raw Material	Foodgrains	Iron Ore	Coal	Others	Total	Unloaded	Loaded
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
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	4926	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

AT MORMUGAO PORT

(In '000 tonnes)

	(7)	(8)	(9)	(10)	(11)
Coal					
Others					
Total					
Unloaded					
Loaded					
187	102	629	...	...	
107	99	844	...	...	
148	75	1159	...	...	
150	92	1721	...	...	
47	64	1343	...	...	
10	83	1702	...	...	
11	236	2209	...	...	
16	272	3224	...	...	
11	174	2117	...	...	
13	234	4753	...	...	
10	259	6401	184	...	
7	193	6497	162	6217	
36	133	5459	111	6335	
11	186	5956	115	5348	
9	293	6620	217	5841	
24	504	7867	239	6403	
39	469	8086	397	7628	
80	509	8132	418	7689	
42	597	8778	369	7714	
36	718	9029	241	8409	
27				8788	

2.2.6 TREND OF CARGO TRAFFIC HA

Year	POL	Fertiliser	Fertilise Raw Material
(1)	(2)	(3)	(4)
1970-71	234	97	-
1971-72	316	72	-
1972-73	379	52	-
1973-74	548	28	-
1974-75	589	59	14
1975-76	547	43	16
1976-77	571	-	45
1977-78	610	19	82
1978-79	637	90	50
1989-80	728	143	63
1980-81	589	178	19
1981-82	657	138	64
1982-83	736	119	-
1983-84	1020	142	61
1984-85	904	290	79
1985-86	945	300	-
1986-87	784	229	226
1987-88	1132	54	178
1988-89	1321	127	221
1989-90	1043	245	146
1990-91	1369	166	145
1991-92	1865	127	251

Note:- Mormugao was declared as Major Port

2.2.6 TREND OF CARGO TRAFFIC HANDLED (COMMODITY-WISE
(1950-51 To 1991-92))

Year	POL	Fertiliser	Fertiliser's		
			Raw Material	Iron Ore	Foodgrains
(1)	(2)	(3)	(4)	(5)	(6)
1950-51	54	-	-	259	27
1951-52	67	-	-	515	56
1952-53	61	-	-	852	23
1953-54	58	-	-	1402	19
1954-55	22	-	-	1187	23
1955-56	11	-	-	1561	87
1956-57	14	-	-	1913	
1957-58	14	-	-	2877	
1958-59	30	5	-	1864	
1959-60	33	3	-	4431	
1960-61	39	4	-	6035	
1961-62	47	3	-	6211	
1962-63	54	3	-	5258	
1963-64	63	8	-	5690	
1964-65	82	65	-	6156	
1965-66	87	65	-	7172	
1966-67	130	139	-	7268	
1967-68	130	205	-	7246	
1968-69	163	159	-	7823	
1969-70	145	51	-	8081	

INDEXED (COMMODITY-WISE) AT MORMUGAO PORT
1950-51 TO 1991-92)

(In '000 tonnes)

	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Iron							
Foodgrains							
Coal							
Others							
Total							
Unloaded							
Loaded							
Ore							
	9555	19	-	1100	11005	353	10652
	10553	32	-	727	11700	435	11265
	11697	50	-	668	12846	486	12360
	13078	51	-	630	14335	629	13706
	12564	37	-	869	14132	723	13409
	1140	69	-	613	12768	675	12093
	8	-	-	661	13455	618	12837
	0	-	-	273	11202	722	10480
	2	-	-	659	10798	867	9931
	6	-	-	755	14505	1055	13450
	8	-	-	380	13764	843	12921
	115	43	-	650	14976	1145	13831
	39	33	-	509	12814	982	11832
	-	-	-	51	12841	938	11903
	-	-	-	351	14299	1150	13149
	-	-	-	674	16115	1621	14494
	-	-	-	208	14919	1293	13626
	-	-	-	271	13332	1381	11951
	70	12	-	277	15389	1783	13606
	15	34	-	294	14168	1483	12685
	34	34	-	208	14911	1721	13190
	34	34	-	308	15099	2396	12703

During 1962-63.

2.2.11 TREND OF CARGO TRAFFIC HANDLED (COMODITY-WISE) AT VISAKHAPATNAM PORT
(1950-51 to 1991-92)

(In '000 tonnes)

Year	POL	Fertiliser	Fertiliser's Raw Material	Food-grains	Iron Ore	Coal	Others	Total	Unloaded	Loaded
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
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	367	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 TREND OF CARGO TRAFFIC HANDLED (COMMODITY-WISE) AT VISAKHAPATNAM PORT
(1950-51 to 1991-92)

(In '000 tonnes)

Year	POL	Fertiliser	Fertiliser's			Iron Ore	Coal	Others	Total	Unloaded	Loaded
			Raw Mate- rial	grains	Food-						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
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	2076	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	

2.2.12 TREND OF CARGO TRAFFIC HANDLED (COMMODITY-WISE) AT PARADIP PORT
(1966-67 To 1991-92)

(In '000 Tonnes)

Year	POL	Fertilisers	Fertiliser's Raw Mate- rial	Foodgrains	Iron Ore	Coal	Others	Total	Unloaded	Loaded
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1966-67	-	-	-	-	-	-	67	67	-	67
1967-68	-	-	-	-	494	-	402	896	-	854
1968-69	-	-	-	8	1212	-	18	1238	42	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	-	250	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	1358	319	1049
1984-85	-	37	-	12	1607	148	333	2137	193	1944
1985-86	-	135	-	-	1868	869	409	3331	957	2374
1986-87	-	61	50	-	2079	1511	708	4853	2201	2852
1987-88	-	9	494	-	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	2980	4417

2.2.13 TREND OF CARGO TRAFFIC HANDLED (COMMODITY-WISE) AT CALCUTTA/HALDIA PORT
(1950-51 To 1991-92)

(In '000 tonnes)

Year	POL	Fertiliser's		Foodgrains	Iron Ore	Coal	Others	Total	Unloaded	Loaded
		Fertiliser	Raw Mate- rial							
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
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 TREND OF CARGO TRAFFIC HANDLED (COMMODITY-WISE) AT CALCUTTA/HALDIA PORT
(1950-51 To 1991-92)

(In '000 tonnes)

Year	POL	Fertiliser	Raw Mate- rial	Foodgrains	Iron Ore	Coal	Others	Total	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

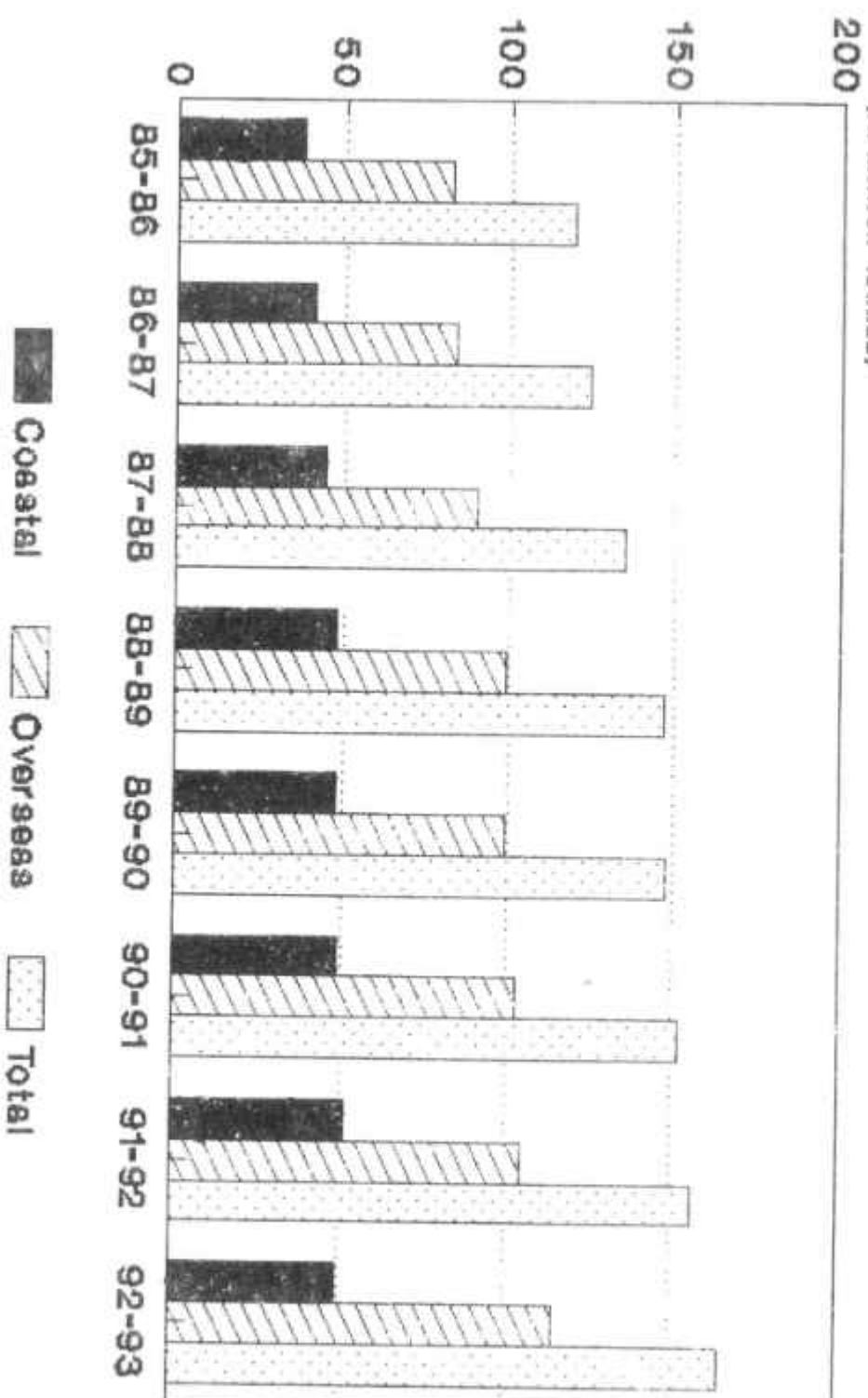
2.2.14 TREND OF CARGO TRAFFIC (OVERSEAS/COASTAL) AT VARIOUS MAJOR PORTS
(1960-61 To 1991-92)

(In '000 tonnes)

YEAR	:Kandla:	Bombay:	lal	:Jawahar-:	Mormu-:	New	:Tuti-:	Cochin:	corin	:Madras:	khapa-:	Paradip:	Haldia	:Total
	:Nehru	:	:	:gao	:	:lore	:	:	:	:tnam	:	:	:	:
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)		
OVERSEAS														
1960-61	1173	11055	-	-	-	947	-	2221	2162	-	6502	24060		
1965-66	1938	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	9608	9456	2240	7120	67593		
1985-86	9375	14170	-	15657	3225	2301	1508	13548	11051	3049	8664	82548		
1986-87	8897	13626	-	14222	4885	2636	1069	15193	10625	4194	8018	83365		
1987-88	10314	16349	-	12718	5669	3554	964	16930	10866	4171	8565	90100		
1988-89	11078	16227	-	14865	6546	3639	1742	15789	14883	5052	9370	99191		
1989-90	11704	16455	697	13511	7179	2965	1935	15426	14927	4892	9698	99389		
1990-91	13634	16363	2022	14212	7284	2518	1969	15518	13820	4940	10372	102652		
1991-92	14683	14321	2794	14175	7130	3020	2225	15439	14834	4928	11248	104797		
COASTAL														
1960-61	400	3294	-	-	-	1063	-	818	601	-	2889	9065		
1965-66	567	4375	-	164	-	1245	-	1176	690	-	2968	11182		
1970-71	705	2816	-	267	-	1065	-	607	387	1	1650	7502		
1975-76	844	2428	-	459	63	1011	580	472	134	11	1834	7837		
1980-81	1402	4346	-	222	317	1426	1382	767	667	1	2152	12677		
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	3382	8074	5489	980	4853	47870		
1989-90	7221	11291	-	657	482	4759	3389	8514	6190	1232	4991	48186		
1990-91	6051	12536	-	698	738	4757	3106	9000	5601	1944	4581	49013		
1991-92	6319	11940	-	924	1144	4461	3643	9607	6688	2369	4752	51847		

Coastal/Overseas Traffic Handled at Major Ports

(In Million Tonnes)



(NIC-STID)

2.2.14 TREND OF CARGO TRAFFIC (OVERSEAS/COASTAL) AT VARIOUS MAJOR PORTS
(1960-61 To 1991-92)

(In '000 tonnes)

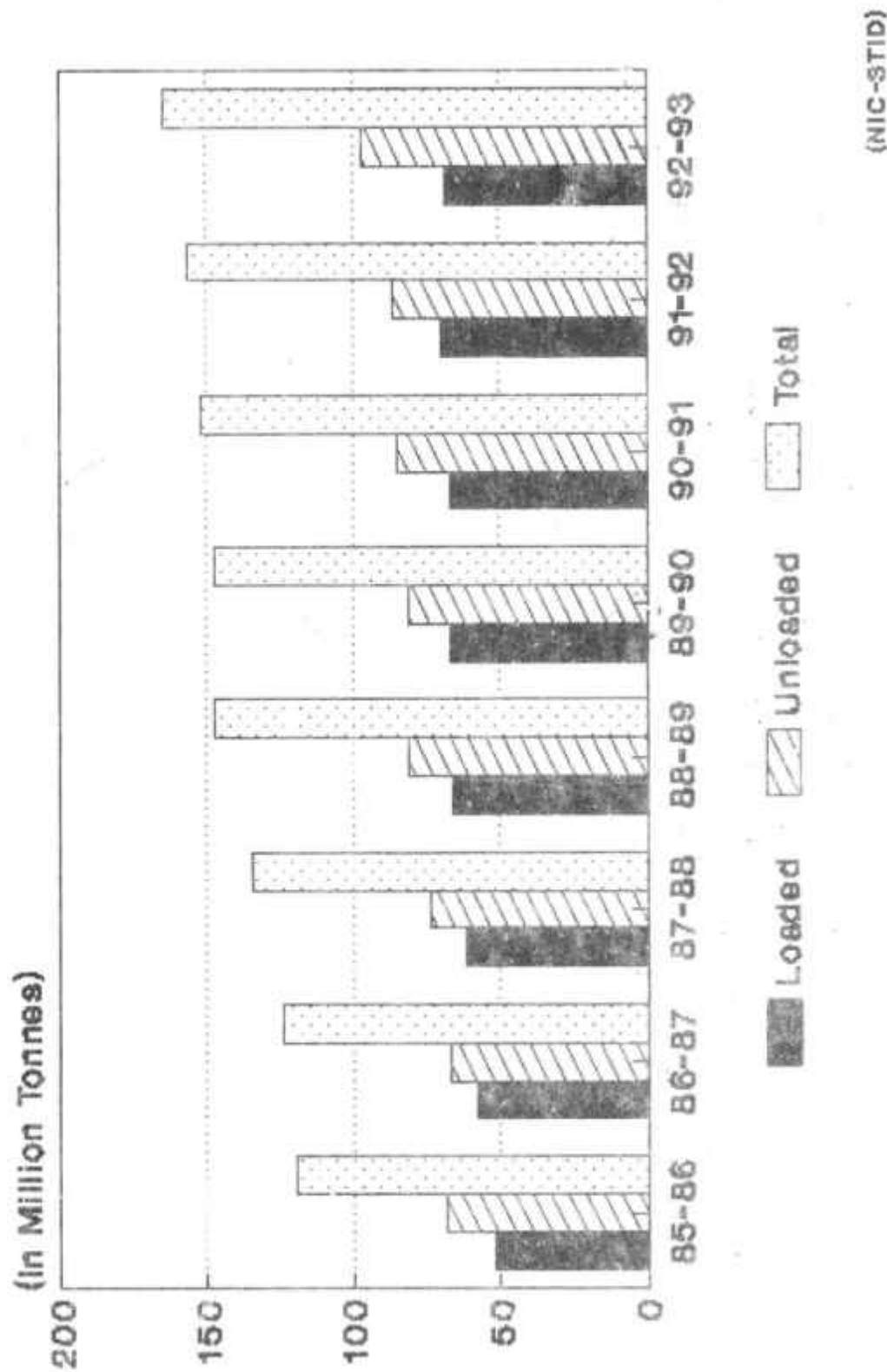
YEAR	: :Kandla: :	: :Bombay: :	: :Jawahar- :lal :Nehru	: :Mormu- :gao	: :New :lore	: :Manga- :lore	: :Cochin :	: :Tuti- :corin	: :Madras: :tnam	: :Visa- :khapa- :	: :Paradip: :	: :Haldia :	: :Calcutta/ :Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	
TOTAL													
1960-61	1573	14349	-	-	-	2010	-	3039	2763	-	9391	33125	
1965-66	2505	17910	-	7867	-	2872	-	4872	4460	-	9729	50215	
1970-71	1612	14370	-	11005	-	4812	-	6925	8733	2157	5965	55579	
1975-76	3203	16650	-	12768	339	4258	1366	7883	8548	3326	7663	66004	
1980-81	8761	16978	-	13764	963	5233	2560	10375	10123	2241	9272	80270	
1985-86	16486	24310	-	16115	3686	5277	4221	18148	15911	3331	12128	119613	
1986-87	16194	25074	-	14919	5431	6883	4130	19775	15035	4853	12072	124366	
1987-88	18083	29568	-	13332	6108	6802	4261	22819	15371	5187	13071	134602	
1988-89	17807	29342	-	15389	7084	7824	5125	23863	20372	6032	14223	147061	
1989-90	18925	27746	697	14168	7661	7124	5324	23940	21117	6184	14689	147575	
1990-91	19685	28899	2022	14911	8022	7275	5075	24518	19421	6884	14953	151665	
1991-92	21002	26261	2794	15099	8274	7481	5868	25046	21522	7297	16000	156644	

2.2.15 TREND OF CARGO TRAFFIC (UNLOADED/LOADED) AT VARIOUS MAJOR PORTS (1960-61 TO 1991-92)

(In '000 tonnes)

YEAR	:Kandla:	:Bombay:	:Lal	:Jawahar:	:New	:Manga-	:Cochin:	:Tutli-	:Madras:	:Khepa-	:Paradip:	:Calcutta:	:Total
	:Nehru	:	:	:	:lore	:	:corlin:	:	:tnam	:	:Haldia	:	:
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	
UNLOADED													
1960-61	1231	10720	-	-	-	1622	-	2128	1386	-	5492	22579	
1965-66	2336	12864	-	239	-	2413	-	3299	1908	-	5284	28343	
1970-71	1474	10973	-	353	-	3447	-	3737	2325	1	3247	25557	
1975-76	2924	12654	-	675	206	3321	922	5087	2876	189	4479	33333	
1980-81	8190	13209	-	843	639	4112	2117	6412	3999	307	6988	46816	
1985-86	15175	11947	-	1621	996	4557	4016	11107	8941	957	8657	67974	
1986-87	14854	11839	-	1293	1197	5600	3968	10801	7195	2001	8192	66940	
1987-88	16281	13570	-	1381	1305	5585	3973	12598	7561	2252	8836	73342	
1988-89	16439	13567	-	1783	1567	2541	4852	13749	10340	2777	9695	81310	
1989-90	16755	13141	507	1483	1294	6053	4900	14097	10410	2460	9756	80856	
1990-91	17271	13719	1645	1721	1363	6251	4541	15000	10322	2839	10416	85088	
1991-92	18148	11506	2061	2396	1298	6433	5099	15064	10431	2880	11253	86569	
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	-	3188	6408	2156	2718	30022	
1975-76	279	3996	-	12093	133	937	444	2796	5672	3137	3184	32671	
1980-81	571	3769	-	12921	324	1121	443	3963	6124	1934	2284	33454	
1985-86	1311	12363	-	14494	2690	720	205	7041	6970	2374	3471	51635	
1986-87	1340	13235	-	13626	4234	1283	162	8974	7840	2852	3880	57426	
1987-88	1802	15998	-	11951	4803	1217	288	10221	7810	2935	4235	61260	
1988-89	1368	15775	-	13606	5517	1283	273	10114	10032	3255	4528	65751	
1989-90	2170	14605	190	12685	6367	1071	424	9843	10707	3724	4933	66719	
1990-91	2414	15180	377	13190	6659	1024	534	9518	9099	4045	4537	66577	
1991-92	2854	14755	733	12703	6976	1048	769	9982	11091	4417	4747	70075	

Traffic Loaded/Unloaded at Major Ports



2.2.15 TREND OF CARGO TRAFFIC (UNLOADED/LOADED) AT VARIOUS MAJOR PORTS

(1960-61 TO 1991-92)

(In '000 tonnes)

YEAR	:Kandla:	:Bombay:	:Lal	:Jawahar:	:New	:Manga-	:Cochin:	:Tutl-	:Madras:	:Khapa-	:Paradip:	:Calcutta:	:Total
:	:	:	:Nehru	:	:lore	:	:corin:	:	:tnam	:	:Haldia	:	:
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	
TOTAL	1573	14349	-	-	-	2010	-	3039	2763	-	9391	33125	
1960-61	2505	17910	-	7867	-	2872	-	4872	4460	-	9729	50215	
1965-66	1612	14370	-	11005	-	4812	-	6925	8733	2157	5965	55579	
1970-71	3203	16650	-	12768	339	4258	1366	7883	8548	3326	7663	66004	
1975-76	8761	16978	-	13764	963	5233	2560	10375	10123	2241	9272	80270	
1980-81	16486	24310	-	16115	3686	5277	4221	18148	15911	3331	12128	119613	
1985-86	16194	25074	-	14919	5431	6883	4130	19775	15035	4853	12072	124366	
1986-87	18083	29568	-	13332	6108	6802	4261	22819	15371	5187	13071	134602	
1987-88	17807	29342	-	15389	7084	7824	5125	23863	20372	6032	14223	147061	
1988-89	18925	27746	697	14168	7661	7124	5324	23940	21117	6184	14689	147575	
1989-90	19685	28899	2022	14911	8022	7275	5075	24518	19421	6884	14953	151665	
1990-91	21002	26261	2794	15099	8274	7481	5868	25046	21522	7297	16000	156644	
1991-92													

2.2.16 CARGO TRAFFIC HANDLED AT MAJOR PORTS IN INDIA

('000 tonnes)

PORT/YEAR	OVERSEAS			COASTAL			OVERSEAS & COASTAL		
	Unloaded: Loaded: Total	(3)	(4)	Unloaded: Loaded: Total	(5)	(6)	Unloaded: Loaded: Total	(7)	(8)
(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
1986-87	7871	1026	8897	6983	314	7297	14854	1340	16194
1987-88	9035	1279	10314	7246	523	7769	16281	1802	18083
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
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
1986-87	11111	2515	13626	728	10720	11448	11839	13235	25074
1987-88	13038	3311	16349	532	12687	13219	13570	15998	29568
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	11924	12536	13719	15180	28899
1991-92	11082	3239	14321	424	11516	11940	11506	14755	26261

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)	
JAWAHARLAL 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	
MORMUGAO											
1965-66	83	7620	7703	156	8	164	239	7628	7867		
1970-71	86	10652	10738	267	-	267	353	10652	11005		
1975-76	216	12093	12309	459	-	459	675	12093	12768		
1980-81	621	12921	13542	222	-	222	843	12921	13764		
1985-86	1163	14494	15657	458	-	458	1621	14494	16115		
1986-87 ✓	596	13626	14222	697	-	697	1293	13626	14919		
1987-88 ✓	795	11923	12718	586	28	614	1381	11951	13332		
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		
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		
1986-87 ✓	664	4221	4885	533	13	546	1197	4234	5431		
1987-88 ✓	882	4787	5669	423	16	439	1305	4803	6108		
1988-89	1054	5492	6546	513	25	538	1567	5517	7084		
1989-90	812	6367	7179	482	-	482	1294	6367	7661		
1990-91	799	6485	7284	564	-	738	1363	6659	8022		
1991-92	660	6470	7130	638	506	1144	1298	6976	8274		

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)
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
1986-87	1917		719	2636	3683	564	4247	5600	1283	6883
1987-88	2828		726	3554	2757	491	3248	5585	1217	6802
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
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
1986-87	939		130	1069	3029	32	3061	3968	162	4130
1987-88	740		224	964	3233	64	3297	3973	288	4261
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

2.2.16 CARGO TRAFFIC HANDLED AT MAJOR PORTS IN INDIA (CONTD.) ('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)
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
1986-87 ✓	7140	8053	15193	3661	921	4582	10801	8974	19775
1987-88 ✓	7876	9054	16930	4722	1167	5889	12598	10221	22819
1988-89	7305	8484	15789	5444	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
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
1986-87 ✓	4186	6439	10625	3009	1401	4410	7195	7840	15035
1987-88 ✓	4794	6072	10866	2767	1738	4505	7561	7810	15371
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

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)
PARADIP										
1965-66	-	-	2156	2156	-	-	-	-	2156	2157
1970-71	-	-	3127	3315	1	-	1	189	3137	3326
1975-76	188	188	1934	2240	1	10	11	307	1934	2241
1980-81	306	306	2092	3049	1	-	1	957	2374	3331
1985-86	957	957	2196	4194	-	282	282	2001	2852	4853
1986-87	1998	1998	1923	4171	3	656	659	-	2935	5187
1987-88	2248	2248	2275	5052	4	1012	1016	2252	3255	6032
1988-89	2777	2777	2432	4892	-	980	980	2777	3724	6184
1989-90	2460	2460	2101	4940	-	1292	1292	2460	4045	6884
1990-91	2839	2839	2048	4928	-	1944	1944	2839	4417	7297
1991-92	2880	2880			-	2369	2369	2880		
CALCUTTA/HALDIA										
1965-66	3660	3660	3101	6761	1624	1344	2968	5284	4445	9729
1970-71	1872	1872	2443	4315	1375	275	1650	3247	2718	5965
1975-76	3810	3810	2019	5829	669	1165	1834	4479	3184	7663
1980-81	5983	5983	1137	7120	1005	1147	2152	6988	2284	9272
1985-86	7841	7841	823	8664	816	2648	3464	8657	3471	12128
1986-87	7154	7154	864	8018	1038	3016	4054	8192	3880	12072
1987-88	7717	7717	848	8565	1119	3387	4505	8836	4235	13071
1988-89	8545	8545	825	9370	1150	3703	4853	9695	4528	14223
1989-90	8701	8701	997	9698	1055	3936	4991	9756	4933	14689
1990-91	9366	9366	1006	10372	1050	3531	4581	10416	4537	14953
1991-92	10125	10125	1123	11248	1128	3624	4752	11953	4747	16000

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)
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
1986-87	43576	39789	83365	23364	17637	41001	66940	57426	124366
1987-88	49953	40147	90100	23389	21113	44502	73342	61260	134602
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

2.2.17 OVERSEAS TRAFFIC (PRINCIPAL COMMODITIES) HANDLED AT MAJOR PORTS

(In '000 tonnes)

Port/Commodities	1989-90			1990-91			1991-92		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
KANDLA	9834	1870	11704	11367	2267	13634	12047	2636	14683
POL- Crude	5281	-	5281	5972	-	5972	6729	-	6729
POL- Products	1666	449	2115	2476	637	3113	2868	660	3528
Fertilizer	302	-	302	308	-	308	365	-	365
Fertilizer'Raw Material	730	-	730	737	-	737	936	-	936
Foodgrains	-	375	375	-	585	585	-	938	938
Iron & Steel	59	1	60	18	5	23	24	2	26
Iron Scrap	660	-	660	702	-	702	196	-	196
Sugar	62	-	62	-	-	-	-	12	12
Veg.oil & animal fats	60	48	108	150	47	197	52	64	116
Salt	-	88	88	-	188	188	-	127	127
Other Commodities	1014	909	1923	1004	805	1809	877	833	1710

2.2.17 OVERSEAS TRAFFIC (PRINCIPAL COMMODITIES) HANDLED AT MAJOR PORTS (CONTD.)

(In '000 tonnes)

Port/Commodities	1989-90			1990-91			1991-92		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
BOMBAY	12846	3609	16455	13125	3238	16363	11082	3239	14321
POL Crude	4672	90	4762	5254	35	5289	5511	-	5511
POL- Products	1659	755	2414	1463	699	2162	1523	808	2331
Fertilizer	116	25	141	46	-	46	37	-	37
Fertilizers' Raw Material	1082	-	1082	621	-	621	457	-	457
Fodgrains	307	85	392	574	51	625	253	87	340
Iron & Steel	1115	108	1223	1120	94	1214	826	110	936
Veg.oil & animal fats	216	-	216	255	21	276	99	25	124
Iron Scrap	84	1	85	1013	-	1013	475	-	475
Cement	22	-	22	-	-	-	-	-	-
Sugar	37	10	47	neg.	22	22	-	101	101
Other Commodities	3536	2535	6071	2779	2316	5095	1901	2108	4009

2.2.1.7 OVERSEAS TRAFFIC (PRINCIPAL COMMODITIES) HANDLED AT MAJOR PORTS (CONTD.)

(In '000 tonnes)

Port/Commodities	1989-90				1990-91				1991-92			
	Unloaded	Loaded	Total	4.	5.	6.	Total	Unloaded	Loaded	Total	Unloaded	Total
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.			
JAWAHARLAL NEHRU	507	190	697	1645	377	2022	2061	733	2794			
Fertiliser	102	-	102	516	-	516	623	-	623			
Fert.Raw Material	132	-	132	850	-	850	820	-	820			
Foodgrains	57	-	57	-	-	-	-	-	-			
Other Commodities	216	190	406	279	377	656	618	733	1351			
MORMUGAO	847	12664	13511	1058	13154	14212	1660	12515	14175			
POL- Crude	407	-	407	706	-	706	1250	-	1250			
Fertilizer	245	-	245	166	-	166	127	-	127			
Fertilizer Raw Material	146	-	146	148	-	148	251	-	251			
Foodgrains	12	-	12	-	-	-	-	-	-			
Coal	15	-	15	34	-	34	31	-	31			
Iron Ore	-	12392	12392	-	12950	12950	-	12208	12208			
Other Ore	-	162	162	-	127	127	-	120	120			
Other Commodities	22	110	132	4	77	81	1	187	188			

2.2.17 OVERSEAS TRAFFIC (PRINCIPAL COMMODITIES) HANDLED AT MAJOR PORTS (CONTD.)

(In '000 tonnes)

Port/Commodities	1989-90		1990-91		1991-92		Total	Unloaded	Loaded	Total
	Unloaded	Loaded	Unloaded	Loaded	Unloaded	Loaded				
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	
NEW MANGALORE	812	6367	7179	799	6485	7284	660	6470	7130	
POL-Products	98	-	98	97	-	97	57	-	57	
Fertilizer	115	-	115	83	-	83	141	-	141	
Fert-Raw material	77	-	77	99	-	99	175	-	175	
Iron scrap	104	-	104	89	-	89	67	-	67	
Coal	-	-	-	-	-	-	-	-	-	
Iron Ore & Pellet	-	5877	5877	-	5951	5951	-	5993	5993	
Other Ore	-	24	24	-	17	17	-	17	17	
Coffee	-	-	-	-	44	44	-	50	50	
Other Commodities	418	466	884	431	473	904	220	410	630	

2.2.17 OVERSEAS TRAFFIC (PRINCIPAL COMMODITIES) HANDLED AT MAJOR PORTS (CONTD.)

(In '000 tonnes)

Port/Commodities	1989-90			1990-91			1991-92		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
COCHIN	2483	482	2965	2138	380	2518	2566	454	3020
POL- Crude	1301	-	1301	1035	-	1035	1337	-	1337
POL- Products	10	132	142	20	31	51	18	93	111
Fertilizer	209	-	209	181	-	181	148	-	148
Fertilizer 'Raw-Material	680	-	680	684	-	684	821	-	821
Foodgrains	43	2	45	27	13	40	16	3	19
Iron & Steel	15	2	17	3	2	5	1	2	3
Veg.oil & animal fats	9	2	11	3	3	6	1	-	1
Tea	-	12	12	-	10	10	-	18	18
Coffee	-	58	58	-	36	36	-	6	6
Cashewnuts/Cashew Kernels	21	46	46	5	50	55	1	37	38
Other Commodities	195	228	423	180	235	415	223	295	518

2.2.17 OVERSEAS TRAFFIC (PRINCIPAL COMMODITIES) HANDLED AT MAJOR PORTS (CONTD.)

(In '000 tonnes)

Port/Commodities	1989-90			1990-91			1991-92			
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	
	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
TUTICORIN	1523	412	1935	1448	521	1969	1474	751	2225	
Fertilizer	434	-	434	288	-	288	302	-	302	
Fertilizer Raw Material	231	-	231	327	-	327	442	-	442	
Iron scrap	35	-	35	48	-	48	14	-	14	
Coal	33	-	33	27	-	27	-	-	-	
Tea/Coffee	-	39	39	-	41	41	-	44	44	
Salt	-	215	215	-	186	186	-	18	18	
Foodgrains	159	-	159	74	36	110	-	75	75	
Other Commodities	631	158	789	684	258	942	716	614	1330	

2.2.17 OVERSEAS TRAFFIC (PRINCIPAL COMMODITIES) HANDLED AT MAJOR PORTS (CONTD.)

(In '000 tonnes)

Port/Commodities	1989-90			1990-91			1991-92		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
MADRAS	6939	8487	15426	7313	8205	15518	6757	8682	15439
POL- Crude	3246	-	3246	3221	-	3221	3442	-	3442
POL- Products	47	445	492	34	457	491	77	756	833
Fertilizer	422	-	422	501	-	501	544	-	544
Fertilizers'Raw Materials	311	-	311	343	-	343	288	-	288
Foodgrains	97	12	109	36	2	38	3	53	56
Iron & Steel	387	-	387	309	-	309	219	-	219
Veg.oil & animal fats	50	neg.	50	84	-	84	36	-	36
Iron Ore	-	6046	6046	-	5549	5549	-	5406	5406
Chemicals	210	25	235	228	31	259	304	25	329
Iron Scrap	483	8	491	649	13	662	331	19	350
Coal	44	-	44	28	-	28	-	-	-
Coke	121	-	121	119	-	119	82	-	82
Other Commodities	1521	1951	3472	1761	2153	3914	1431	2423	3854

2.2.17 OVERSEAS TRAFFIC (PRINCIPAL COMMODITIES) HANDLED AT MAJOR PORTS (CONTD.)

(In '000 tonnes)

Port/Commodities	1989-90			1990-91			1991-92		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
VISAKHAPATNAM	7182	7745	14927	7925	5895	13820	8597	6237	14834
POU- Crude	2201	-	2207	1937	30	1967	3214	-	3214
POU- Products	317	307	619	625	101	726	400	229	629
Fertilizers	410	-	410	459	-	459	504	-	504
Fertilizer Raw Materials	1119	-	1115	1290	-	1290	1325	-	1325
Foodgrains	108	-	108	-	-	-	-	27	27
Iron & Steel	34	158	192	20	197	217	7	174	181
Coal	2240	-	2240	2707	-	2707	2594	-	2594
Coke	29	-	29	38	-	38	67	-	67
Iron Ore	-	6628	6628	-	5061	5061	-	5162	5162
Chemicals	63	-	63	51	-	51	41	-	41
Iron scrap	209	-	209	325	-	325	73	-	73
Veg. oil & animal fats	18	-	18	42	-	42	12	-	12
Other commodities	432	657	1089	431	506	937	360	645	1005

2.2.17 OVERSEAS TRAFFIC (PRINCIPAL COMMODITIES) HANDLED AT MAJOR PORTS (CONTD.)

(In '000 tonnes)

Port/Commodities		1989-90			1990-91			1991-92		
		Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	
PARADIP	2460	2432	4892	2839	2101	4940	2880	2048	4928	
Fertilizers	157	-	157	100	-	100	87	-	87	
Fertilizers'Raw Materials	301	-	301	508	-	508	773	-	773	
Foodgrains	6	-	6	11	-	11	1	-	1	
Iron & Steel	72	35	107	8	35	43	6	29	35	
Coal	1341	-	1341	1670	-	1670	1585	-	1585	
Coke	76	-	76	79	-	79	48	-	48	
Iron Ore	-	2059	2059	-	1748	1748	-	1524	1524	
Iron scrap	144	-	144	106	-	106	-	-	-	
Other commodities	363	338	701	357	318	675	380	495	875	

2.2.17 OVERSEAS TRAFFIC (PRINCIPAL COMMODITIES) HANDLED AT MAJOR PORTS (CONTD.)
(In '000 tonnes)

Port/Commodities	1989-90			1990-91			1991-92		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
CALCUTTA	2442	776	3218	2025	798	2823	1829	1034	2863
POL- Crude	-	-	-	-	-	-	-	-	-
POL- Products	226	-	226	97	-	97	120	-	120
Fertilizer	309	-	309	148	-	148	203	-	203
Fertilizers' Raw Material	149	-	149	151	-	151	132	-	132
Foodgrains	166	-	166	89	-	89	60	-	60
Iron & Steel	289	47	336	273	119	392	276	184	460
Veg.oil & animal fats	19	-	19	141	-	141	68	-	68
Cement	59	-	59	37	-	37	48	-	48
Chemicals	67	2	69	44	-	44	47	-	47
Tea	-	118	118	-	96	96	-	152	152
Coal	34	-	34	15	-	15	6	-	6
Sugar	45	-	45	-	-	-	-	-	-
Jute & its products	-	233	233	-	202	202	-	230	230
Other commodities	1079	376	1455	1024	381	1405	869	468	1337

2.2.17 OVERSEAS TRAFFIC (PRINCIPAL COMMODITIES) HANDLED AT MAJOR PORTS (CONTD..)

(In '000 tonnes)

Port/Commodities	1989-90			1990-91			1991-92		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
HALDIA	6259	221	6480	7341	208	7549	8296	89	8385
POL- Crude	2758	-	2758	2901	-	2901	3072	-	3072
POL- Products	1967	-	1967	2630	-	2630	2900	-	2900
Fertilizer	75	-	75	83	-	83	72	-	72
Fertilizers' Raw Materials	239	-	239	306	-	306	347	-	347
Foodgrains	27	-	27	-	-	-	-	-	-
Iron & steel	15	-	15	9	9	18	14	9	23
Iron Scrap(Pig Iron)	100	-	100	58	-	58	46	-	46
Coal	954	-	954	1251	-	1251	1795	-	1795
Cement	7	-	7	-	-	-	-	-	-
Tea	-	-	-	-	80	80	-	32	32
Other commodities	117	221	338	103	119	222	50	48	98

2.2.17 OVERSEAS TRAFFIC (PRINCIPAL COMMODITIES) HANDLED AT MAJOR PORTS (CONTD.)

(In '000 tonnes)

Port/Commodities	1989-90			1990-91			1991-92		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
ALL MAJOR PORTS	54134	45255	99389	59023	43629	102652	59909	44888	104797
POL- Crude	19465	90	19555	20320	65	20385	23305	-	23305
POL- Products	6397	2083	8480	8148	1925	10073	9213	2546	11759
Fertilizer	2896	25	2921	2879	-	2879	3153	-	3153
Fertilizers Raw Material	5193	-	5193	6064	-	6064	6767	-	6767
Foodgrains	1015	479	1494	811	687	1498	333	1183	1516
Iron & Steel	1986	351	2337	1760	461	2221	1373	510	1883
Coal	4661	-	4661	5732	-	5732	6011	-	6011
Coke	226	-	226	236	-	236	197	-	197
Iron Ore	-	33002	33002	-	31259	31259	-	30293	30293
Other commodities	12295	9225	21520	13073	9232	22305	9557	10356	19913

Note:- Fertiliser Raw Material includes liquid raw fertiliser also.

2.2.18 COASTAL TRAFFIC (PRINCIPAL COMMODITIES) HANDLED AT MAJOR PORTS

(In '000 tonnes)

Port/Commodities	1989-90			1990-91			1991-92		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
KANDLA	6921	300	7221	5904	147	6051	6101	218	6319
POL- Crude	5442	-	5442	4952	-	4952	5100	-	5100
POL- Products	1382	134	1516	932	93	1025	984	162	1146
Foodgrains	61	-	61	neg.	neg.	neg.	1	1	2
Veg.oil & animal fats	-	26	26	5	18	23	6	-	6
Other commodities	36	140	176	15	36	51	10	55	65
BOMBAY	295	10996	11291	594	11942	12536	424	11516	11940
POL- Crude	34	8613	8647	209	9882	10091	20	9981	10001
POL- Products	49	2338	2387	71	2057	2128	138	1531	1669
Foodgrains	40	-	40	neg.	neg.	neg.	-	-	-
Cement	46	-	46	34	-	34	39	-	39
Salt	8	-	8	10	-	10	8	-	8
Iron & Steel	-	-	-	1	neg.	1	17	neg.	17
Veg.oil & animal fats	6	5	11	-	neg.	neg.	-	-	-
Other commodities	112	40	152	269	3	272	202	4	206

2.2.18 COASTAL TRAFFIC (PRINCIPAL COMMODITIES) HANDLED AT MAJOR PORTS (CONTD.)

(In '000 tonnes)

Port/Commodities	1989-90			1990-91			1991-92		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
MORMUGAO	636	21	657	663	36	699	736	188	924
POL- Crude	636	-	636	663	-	663	615	-	615
Iron Ore	-	21	21	-	36	36	121	188	309
NEW MANGALORE	482	-	482	564	174	738	638	506	1144
POL- Products	479	-	479	515	-	515	565	-	565
Other commodities	3	-	3	49	174*	223	73	506*	579
COCHIN	3570	589	4159	4113	644	4757	3867	594	4461
POL- Crude	3356	-	3356	4027	-	4027	3577	-	3577
POL- Products	202	588	790	49	642	691	267	589	856
Other commodities	12	1	13	37	2	39	23	5	28

* Iron ore/Pallets.

2.2.18 COASTAL TRAFFIC (PRINCIPAL COMMODITIES) HANDLED AT MAJOR PORTS (CONTD.)
(In '000 tonnes)

Port/Commodities	1989-90			1990-91			1991-92		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
TUTICORIN	3377	12	3389	3093	13	3106	3625	18	3643
POL- Products	476	-	476	470	-	470	496	-	496
Foodgrains	-	-	-	-	-	-	-	-	-
Coal	2893	-	2893	2608	-	2608	3116	-	3116
Other commodities	8	12	20	15	13	28	13	18	31
MADRAS	7158	1356	8514	7687	1313	9000	8307	1300	9607
POL- Crude	3507	-	3507	3269	-	3269	3152	-	3152
POL- products	6	1204	1210	12	1169	1181	36	1186	1222
Veg.oil & animal fats	-	2	2	neg.	7	7	neg.	2	2
Coal	3599	-	3599	4325	-	4325	5051	-	5051
Coke	-	-	-	-	-	-	-	-	-
Foodgrains	1	27	28	-	27	27	-	21	21
Other commodities	45	123	168	81	110	191	68	91	159

2.2.18 COASTAL TRAFFIC (PRINCIPAL COMMODITIES) HANDLED AT MAJOR PORTS (CONTD.)

(In '000 tonnes)

Port/Commodities	1989-90			1990-91			1991-92		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
VISAKHAPATNAM	3228	2962	6190	2397	3204	5601	1834	4854	6688
POL- crude	2937	-	2937	2175	-	2175	1194	-	1194
POL- Products	254	811	1065	179	551	730	577	770	1347
Coal	-	1981	1981	-	2182	2182	-	3054	3054
Chemicals	25	-	25	24	-	24	40	-	40
Iron Ore	-	163	163	-	435	435	-	999	999
Other commodities	12	7	19	19	36	55	23	31	54
PARADIP	-	1292	1292	-	1944	1944	-	2369	2369
Coal	-	1292	1292	-	1944	1944	-	2369	2369
Other commodities	-	-	-	-	-	-	-	-	-
CALCUTTA	943	178	1121	947	69	1016	1103	191	1294
POL- Crude	-	-	-	-	-	-	-	-	-
POL- Products	759	46	805	895	43	938	895	47	924
Foodgrains	-	-	-	3	-	3	-	-	-
Iron & Steel	1	7	8	2	8	10	1	2	3
Coal	-	-	-	-	-	-	-	-	-
Other commodities	183	125	308	47	18	65	207	142	349

2.2.18 COASTAL TRAFFIC (PRINCIPAL COMMODITIES) HANDLED AT MAJOR PORTS (CONTD.)
(In '000 tonnes)

Port/Commodities	1989-90			1990-91			1991-92		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
HALDIA	112	3758	3870	103	3462	3565	25	3433	3458
POL- Crude	-	-	-	-	-	-	-	-	-
POL- Products	112	568	680	97	594	691	25	631	656
Coal	-	3190	3190	-	2868	2868	-	2802	2802
Other commodities	-	-	-	6	-	6	-	-	-
ALL MAJOR PORTS	26722	21464	48186	26065	22948	49013	26660	25187	51847
POL- Crude	15276	8613	23889	14632	9862	24514	13043	9981	23024
POL- Products	4355	5689	10044	3883	5149	9032	4598	4916	9514
Foodgrains	102	27	129	3	27	30	1	22	23
Coal	6492	6463	12955	6933	6994	13927	8167	8225	16392
Iron & Steel	1	7	8	3	8	11	18	2	20
Iron Ore	-	184	184	-	471	471	121	1187	1308
Other commodities	496	481	977	611	471	1028	712	854	1566

2.2.19 OVERSEAS TRAFFIC (IMPORTS 1990-91) BY COUNTRY OF ORIGIN
(PORTWISE - COMMODITYWISE)

(000 tonnes)

Country of Origin/ Commodities.	:Kandla:	:Bom:	:J.L.	:Mormu-:	:New	:Tuti-:	:Visa-:	:Cal-:	:Total
	:bay	:Nehru:	:gao	:lore	:Cochin:	:corin:	:Madras:	:khapa-:	:Paradip:
	:	:	:	:	:	:	:tnam	:	:cutta:
	:	:	:	:	:	:	:	:	:Haldia:
	:	:	:	:	:	:	:	:	:Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
(11)	(12)	(13)	(14)						
ALL COMMODITIES	11367	13125	1645	1058	799	2138	1448	7313	7925
U.A.E.	2917	-	...	68	29	-	-	-	551
Kuwait	709	215	...	7	-	-	-	-	14
S.Arabia	2225	4660	...	58	5	-	-	-	1113
Iran	631	58	...	-	-	-	-	-	-
Iraq	142	158	...	-	-	-	-	-	-
Qatar	29	74	...	-	9	-	-	-	-
U.S.S.R.	1145	270	...	92	101	76	60	776	395
U.S.A	764	1006	...	112	104	174	97	752	839
Behrain	245	169	...	44	3	-	-	-	57
Jorden	242	228	...	38	-	-	-	-	470
Senegal	246	-	...	8	-	-	97	-	-
Korea (S)	100	169	...	-	-	-	15	-	16
Holland	221	123	...	-	-	-	-	-	5
Italy	13	176	...	38	-	1	-	-	10
Singapore	168	207	...	6	-	-	-	-	5
Malaysia	436	515	...	-	260	-	-	-	124
France	45	143	...	4	-	-	-	-	14
Canada	96	163	...	21	2	11	-	156	64
Japan	113	308	...	-	-	10	-	199	11
Brazil	69	274	...	-	14	-	-	-	4
Australia/N.Zealand	-	220	...	11	-	85	71	-	2636
Germany	18	658	...	68	-	63	34	313	106
U.K.	93	340	...	1	-	31	-	-	49
Other European Count.	112	103	...	18	-	92	11	116	26
Other Asian countries	197	140	...	-	-	1266	-	75	38
Other African count.	348	60	...	-	-	283	5	-	11
Others	43	2688	1645	464	272	46	1058	4926	1382
									660
									722
									3356
									17262

2.2.19 OVERSEAS TRAFFIC (IMPORTS 1990-91) BY COUNTRY OF ORIGIN (CONTD.)
(PORTWISE - COMMODITYWISE)
('000 tonnes)

Country of Origin/ Commodities.	:Kandla: bay :	:Bom- :J.L. :Mormu-:New :Mangru:gao :	:Manga- :Cochin: :	:Tuti- :corin: :	:Visa- :khapa- :tnam :	:Paradip: :cutta: :	:Haldia: :Total :						
(1)	: (2)	: (3)	: (4)	: (5)	: (6)	: (7)	: (8)	: (9)	: (10)	: (11)	: (12)	: (13)	: (14)
POL CRUDE & PRODUCTS	8448	6717	-	706	97	1055	-	3255	2562	-	97	5531	28468
U.A.E.	2891	-	-	46	-	-	-	-	347	-	-	-	3284
Kuwait	705	185	-	60	-	-	-	-	8	-	-	-	958
S.Arabia	2149	4420	-	-	-	-	-	-	945	-	-	-	7514
Iran	605	-	-	-	-	-	-	517	-	-	-	-	1122
Iraq	116	83	-	-	-	-	-	-	-	-	-	-	199
Qatar	23	55	-	-	-	-	-	-	-	-	-	-	78
Singapore	114	-	-	6	-	-	-	234	73	-	-	-	427
Malaysia	-	231	-	-	-	-	-	-	369	-	-	-	600
U.S.S.R.	1021	158	-	83	06	-	-	674	249	-	7	2404	4682
Behrain	233	115	-	43	3	-	-	-	51	-	-	-	445
Yemen	-	-	-	-	-	-	-	-	-	-	-	-	-
U.S.A.	154	74	-	-	-	-	-	-	19	-	-	98	345
Panama	-	-	-	-	-	-	-	-	-	-	-	-	-
Oman	-	102	-	-	-	-	-	-	-	-	-	-	102
Other European) countries)	-	4	-	-	-	-	-	14	-	-	-	-	18
Other Asian) countries)	-	5	-	-	-	-	-	1482	-	-	67	-	1554
Others	437	1285	-	468	8	1055	-	334	501	-	23	3029	7140

2.2.19 OVERSEAS TRAFFIC (IMPORTS 1990-91) BY COUNTRY OF ORIGIN (CONTD.)
(PORTWISE - COMMODITYWISE)

('000 tonnes)

Country of Origin/ Commodities.	:Kandla:	:Bom- bay:	:J.L. Mehru:	:Mormu- gao:	:New lore :	: Cochin:	:Tuti- corin:	:Visa- khapa-:	:Cal- cutta:	:Haldia:	:Total		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12): (13)	(14)	
FERTILISERS & ITS RAW MATERIALS	1045	667	1366	314	182	865	615	844	1749	608	299	389	8943
Jordan	242	226	...	38	-	-	-	-	470	-	-	-	976
Canada	86	5	...	21	-	-	-	89	61	-	-	-	262
S.Arabia	25	-	...	-	-	-	-	-	101	-	-	-	126
Morocco	67	-	...	-	-	-	-	-	32	-	-	-	99
Kuwait	-	19	...	-	-	-	-	-	6	-	-	-	25
Poland	-	15	...	-	-	-	-	-	26	-	-	-	41
U.S.A.	42	2	...	48	9	121	04	20	570	111	-	60	1067
U.S.S.R.	94	2	...	-	12	50	21	44	77	-	20	32	352
Germany	-	11	...	68	42	58	34	189	54	-	23	-	479
U.A.E.	15	-	...	-	-	-	-	-	-	-	-	-	15
Bahrain	5	22	...	-	-	-	-	-	-	-	-	-	27
Iran	22	-	...	-	-	-	-	-	-	-	-	-	22
Iraq	26	44	...	-	-	-	-	-	26	-	-	-	70
Belgium	-	-	...	-	-	-	-	-	-	-	-	-	26
Japan	-	-	...	-	-	-	-	-	-	-	-	-	-
Australia	-	-	...	-	-	-	-	-	-	-	-	-	-
Others	421	321	1366	139	119	636	476	502	326	497	256	297	5356

2.2.19 OVERSEAS TRAFFIC (IMPORTS 1990-91) BY COUNTRY OF ORIGIN (CONTD)
(PORTWISE - COMMODITYWISE)

Country of Origin/ Commodities.	: Bom- : Kandla: bay :	: J.L. : : Nehru: gao :	: Mormu-: New : : lore :	: : : : : :	: : : : : :	: : : : : :	: : : : : :	: : : : : :	: : : : : :	: : : : : :	: : : : : :	: : : : : :	: : : : : :
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
IRON & STEEL	18	1120	-	1	-	3	-	309	20	8	273	9	1761
Germany	-	275	-	-	-	-	-	.39	5	3	15	-	337
France	-	47	-	-	-	-	-	-	-	-	-	-	47
U.S.S.R.	-	6	-	-	-	-	-	-	3	-	54	-	63
U.K.	-	72	-	1	-	-	-	-	2	-	6	-	81
Japan	-	160	-	-	-	1	-	78	3	-	126	-	368
U.S.A.	-	33	-	-	-	-	-	2	3	-	8	-	46
Canada	-	10	-	-	-	-	-	21	-	-	1	-	32
Belgium	-	34	-	-	-	-	-	-	-	-	-	-	34
Czechoslovakia	-	27	-	-	-	-	-	-	-	-	-	-	27
Brazil	-	151	-	-	-	-	-	-	-	-	-	-	151
Korea(S)	-	55	-	-	-	-	-	-	-	5	-	-	60
Malaysia	-	47	-	-	-	-	-	-	-	-	-	-	51
Others	18	203	-	-	-	2	-	169	4	-	63	9	464
IRON SCRAP	702	1013	-	-	89	-	48	649	325	106	-	58	2990
U.S.A.	490	-	-	-	65	-	-	401	182	90	-	-	1228
U.S.S.R.	-	-	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-	2	-	-	2
Netherlands	118	-	-	-	24	-	-	-	26	-	-	-	168
Srilanka	-	-	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	26	-	-	-	26
U.K.	79	-	-	-	-	-	-	-	44	-	-	-	123
Others	15	1013	-	-	-	-	48	248	47	14	-	58	1443

2.2.19 OVERSEAS TRAFFIC (IMPORTS 1990-91) BY COUNTRY OF ORIGIN (CONTD.)
(PORTWISE - COMMODITYWISE)

('000 tonnes)

Country of Origin/ Commodities.	: Bom- : Kandla:	: J.L. : day	: Mormu- : gao	: New : lore	: Tutli- : corin	: Madras : tnam	: Visa- : khapa	: Cal- : cutta	: Haldia : Total				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
FOODGRAINS													
Australia & N. land	-	574	-	-	-	27	74	36	-	11	89	-	811
U.S.A.	-	24	-	-	-	-	46	-	-	11	7	-	88
Canada	-	23	-	-	-	24	-	27	-	-	19	-	93
Vietnam	-	4	-	-	-	-	-	-	-	-	-	-	4
Thailand	-	-	-	-	-	-	-	-	-	-	-	-	-
Panama	-	-	-	-	-	-	-	-	-	-	-	-	-
China	-	122	-	-	-	-	-	-	-	-	-	-	122
Hungary	-	44	-	-	-	-	-	-	-	-	-	-	44
Turkey	-	62	-	-	-	-	-	-	-	-	-	-	62
Others	-	295	-	-	-	3	28	9	-	-	63	-	398
SUGAR													
Thailand	-	Neg.	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-	-	-
Other European)	-	-	-	-	-	-	-	-	-	-	-	-	-
countries)	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Asian)	-	-	-	-	-	-	-	-	-	-	-	-	-
countries)	-	-	-	-	-	-	-	-	-	-	-	-	-
Others	-	Neg.	-	-	-	-	-	-	-	-	-	-	-

2.2.19 OVERSEAS TRAFFIC (IMPORTS 1990-91) BY COUNTRY OF ORIGIN (CONTD.)
(PORTWISE - COMMODITYWISE)
('000 tonnes)

Country of Origin/ Commodities.	: Bom- : Kandla: bay :	: J.L. : Nehru: gao :	: Mormu- : Mang- : lore :	: New : Cochin :	: Tuti- : corin :	: Visa- : khapa- : tnam :	: Cal- : cutta :	: Haldia: Total :					
(1)	: (2)	: (3)	: (4)	: (5)	: (6)	: (7)	: (8)	: (9)	: (10)	: (11)	: (12)	: (13)	: (14)
VEGETABLE/ EDIBLE OIL	150	255	-	-	63	3	-	84	42	-	141	-	738
Malaysia	135	186	-	-	60	-	-	-	42	-	-	-	423
Germany	-	-	-	-	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	-	-	-	-	-
Singapore	-	3	-	-	-	-	-	-	-	-	-	-	3
Pakistan	-	-	-	-	1	-	-	-	-	-	-	-	1
U.S.A.	-	3	-	-	2	2	-	6	-	-	-	-	13
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-	15
Indonesia	15	-	-	-	-	-	-	-	-	-	-	-	-
Other Asian) countries)	-	-	-	-	-	-	-	-	-	-	70	-	70
Others	-	63	-	-	-	1	-	78	-	-	71	-	213
CHEMICALS	16	101	-	-	9	2	-	228	51	-	44	-	451
U.S.A	-	54	-	-	1	2	-	113	-	-	-	-	170
Japan	16	47	-	-	-	-	-	6	-	-	-	-	69
France	-	-	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	3	-	-	10	-	-	-	-	13
S.Arabia	-	-	-	-	5	-	-	-	21	-	-	-	26
Bengladesh	-	-	-	-	-	-	-	-	-	-	-	-	-
Other American) countries)	-	-	-	-	-	-	-	-	-	-	-	-	-
Other European) countries)	-	-	-	-	-	-	-	-	-	-	-	-	-
Africa	-	-	-	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	99	30	-	44	-	173

2.2.19 OVERSEAS TRAFFIC (IMPORTS 1990-91) BY COUNTRY OF ORIGIN (CONTD.)
(PORTWISE - COMMODITYWISE)

('000 tonnes)

Country of Origin/ Commodities.	:Bom- :Kandla:	:J.L. :bay	:Mormu- :Nehru:	:New :gao	:Manga- :lore	:Cochin: :corin:	:Tutl- :Madras:	:Visa- :khapa- :tnam	:Paradip: :cutta:	:Haldia: :Total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
COAL	-	-	-	34	-	-	27	147	2745	1749	15	1251	5968
U.S.A.	-	-	-	1	-	-	-	-	-	-	-	-	1
U.S.S.R.	-	-	-	-	-	-	-	-	-	209	-	137	346
Newzealand	-	-	-	-	-	-	-	-	30	-	-	-	30
Indogesia	-	-	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	11	-	-	-	-	2595	1311	-	1015	4932
Poland	-	-	-	-	-	-	-	-	36	-	-	-	36
Others	-	-	-	22	-	-	27	147	84	229	15	99	623
WOOD	-	-	-	-	231	12	1	46	86	-	-	-	376
U.S.A.	-	-	-	-	-	4	-	6	-	-	-	-	10
U.S.S.R.	-	-	-	-	3	-	-	7	-	-	-	-	10
Germany	-	-	-	-	-	-	-	1	-	-	-	-	1
Canada	-	-	-	-	2	8	-	32	-	-	-	-	42
Malaysia	-	-	-	-	194	-	-	-	80	-	-	-	274
Burma	-	-	-	-	32	-	-	-	-	-	-	-	32
Vietnam	-	-	-	-	-	-	-	-	5	-	-	-	5
Newzealand	-	-	-	-	-	-	1	-	-	-	-	-	1
Singapore	-	-	-	-	-	-	-	-	1	-	-	-	1
Other European)	-	-	-	-	-	-	-	-	-	-	-	-	-
countries)	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Asian)	-	-	-	-	-	-	-	-	-	-	-	-	-
countries)	-	-	-	-	-	-	-	-	-	-	-	-	-
Other African)	-	-	-	-	-	-	-	-	-	-	-	-	-
countries)	-	-	-	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-	-	-	-

2.2.19 OVERSEAS TRAFFIC (IMPORTS 1990-91) BY COUNTRY OF ORIGIN (CONTD.)
(PORTWISE - COMMODITYWISE)

('000 tonnes)

Country of Origin/ Commodities.	:Kandla:bay :	:J.L. :Mormu-:New :Nehru:gao :	:Manga-:Cochin:Madras: :lore :	:Tuti-:corin:khapa-: :	:Visa-:Paradip:cutta: :tnam :	:Cal-:Haldia:Total :							
(1)	: (2)	: (3)	: (4)	: (5)	: (6)	: (7)	: (8)	: (9)	: (10)	: (11)	: (12)	: (13)	: (14)
MACHINERY	-	306	-	-	-	1	-	53	-	-	25	-	385
U.S.A.	-	13	-	-	-	-	-	8	-	-	2	-	23
Japan	-	16	-	-	-	-	-	22	-	-	5	-	43
France	-	6	-	-	-	-	-	-	-	-	-	-	6
Germany	-	24	-	-	-	-	-	21	-	-	4	-	49
U.S.S.R.	-	3	-	-	-	-	-	2	-	-	2	-	7
Canada	-	4	-	-	-	-	-	-	-	-	6	-	10
U.K.	-	9	-	-	-	-	-	-	-	-	-	-	9
Taiwan	-	-	-	-	-	-	-	-	-	-	-	-	-
Italy	-	8	-	-	-	-	-	-	-	-	-	-	8
Czechoslovakia	-	3	-	-	-	-	-	-	-	-	-	-	3
Sweden	-	-	-	-	-	-	-	-	-	-	-	-	-
Switzerland	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Asian) countries)	-	-	-	-	-	-	-	-	-	-	1	-	1
Other European) countries)	-	2	-	-	-	1	-	-	-	-	5	-	8
Others	-	218	-	-	-	-	-	-	-	-	-	-	218

2.2.19 OVERSEAS TRAFFIC (IMPORTS 1991-92) BY COUNTRY OF ORIGIN (CONTD.)
(PORTWISE - COMMODITYWISE)

('000 tonnes)

Country of Origin/ Commodities	:Kandla:	:Bom- bay	:J.L. Nehrur:	:Mormu- gao	:New lore	: :	:Cochin:	:Futli- corin:	:Visa- Madras:	: khapa-:	:Paradip:	:Cal- cutta:	: Haldia:	: Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
ALL COMMODITIES	12047	11082	2061	1660	660	2566	1474	6757	8597	2880	1829	8296	59909	
U.A.E.	2852	-	-	4	14	-	227	-	2469	159	-	-	5725	
Kuwait	815	155	-	6	-	-	-	-	50	-	-	-	1026	
S.Arabia	2006	2706	-	1	17	-	-	-	5	-	-	-	4735	
Iran	1066	354	-	-	-	-	-	-	102	14	-	-	1536	
Iraq	104	-	-	-	-	-	-	-	-	-	-	-	104	
Qatar	17	15	-	-	16	-	-	-	12	18	-	-	78	
U.S.S.R.	1137	486	-	-	-	62	64	484	494	-	-	-	2727	
U.S.A.	461	585	-	1	69	297	150	616	496	159	35	84	2953	
Behrain	503	242	-	84	14	-	-	-	81	28	-	-	952	
Jorden	167	57	-	6	43	-	221	-	339	-	-	-	833	
Senegal	334	-	-	-	-	-	-	-	-	17	-	-	351	
Korea	42	190	-	-	1	-	-	-	9	7	-	-	249	
Holland	82	157	-	-	-	-	-	-	-	-	-	-	239	
Italy	57	149	-	2	-	-	-	35	11	-	-	-	254	
Singapore	219	126	-	15	-	-	46	477	53	-	-	-	936	
Malaysia	277	186	-	-	-	-	140	68	389	-	-	-	1172	
France	56	85	-	-	1	-	1	14	22	1	-	-	179	
Canada	44	153	-	24	8	79	13	43	71	-	3	7	445	
Japan	81	177	-	17	-	9	1	99	16	57	36	-	493	
Brazil	35	228	-	8	-	28	-	13	2	-	-	-	314	
Germany	77	366	-	63	94	-	62	199	83	3	29	-	947	
U.K.	31	200	-	-	-	5	14	-	5	-	23	-	284	
Australia/N.Zealand	-	233	-	-	-	2	9	121	2598	1585	18	1795	6361	
Other European Count.	-	88	-	-	-	23	-	99	-	3	161	35	409	
Other Asian countries	-	-	-	-	-	1783	-	-	-	109	1045	4266	7203	
Other African count	-	73	-	-	-	233	-	246	-	448	13	134	1147	
Others	1584	4071	-	1429	271	45	527	4243	1290	272	489	1975	18257	

2.2.19 OVERSEAS TRAFFIC (IMPORTS 1991-92) BY COUNTRY OF ORIGIN (CONTD.)
(PORTWISE-COMMODITYWISE)

('000 tonnes)

Country of Origin/ Commodities.	Bom- :Kandla:bay :	J.L. :Mormu-:New :Nehru:gao :	Manga-:Cochin:Madras:khapa-:Paradip:cutta:Haldia:Total :lore : : :tnam : : :	Tuti-: :	Visa- : :	Cal- : :							
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
POL CRUDE & PRODUCTS	9597	7034	-	1250	57	1355	-	3519	3614	-	120	5972	32518
U.A.E.	2850	-	-	-	5	-	-	-	2239	-	-	-	5094
Kuwait	815	149	-	-	-	-	-	-	50	-	-	-	1014
S.Arabia	1842	2577	-	-	5	-	-	-	-	-	-	-	4424
Iran	1050	278	-	-	-	-	-	-	89	-	-	-	1417
Iraq	100	-	-	-	-	-	-	-	-	-	-	-	100
Qatar	-	-	-	-	-	-	-	-	-	-	-	-	-
Singapore	169	62	-	-	-	-	-	381	46	-	-	-	658
Malaysia	-	104	-	-	-	-	-	-	338	-	-	-	442
U.S.S.R.	968	381	-	-	-	-	-	384	278	-	-	-	2011
Behrain	484	206	-	-	11	-	-	-	53	-	-	-	754
Yemen	-	166	-	-	5	-	-	-	-	-	-	-	171
U.S.A.	140	60	-	-	-	-	-	69	-	-	-	74	343
Panama	-	-	-	-	-	-	-	-	-	-	-	-	-
Oman	-	38	-	-	-	-	-	-	-	-	-	-	38
Other European) countries)	-	22	-	-	-	-	-	17	-	-	2	-	41
Other Asian) countries)	-	268	-	-	-	-	-	-	-	-	-	-	-
Others	1179	2723	-	1250	31	1355	-	2668	521	-	39	4064	4371
											79	1834	11640

2.2.19 OVERSEAS TRAFFIC (IMPORTS 1991-92) BY COUNTRY OF ORIGIN (CONTD.)
(PORTWISE-COMMODITYWISE)

('000 tonnes)

Country of Origin/: : Bom- : J.L. : Mormu- : New : : Tutli- : : Visa- : : Cal- : :
Commodities. : Kandla: : bay : Nehru: : gao : Manga- : : Cochin: : corin: : Madras: : khapa- : : Paradip: : cutta: : Haldia: : Total

(1) : (2) : (3) : (4) : (5) : (6) : (7) : (8) : (9) : (10) : (11) : (12) : (13) : (14)

FERTILISERS & ITS 1301 494 1443 378 316 969 744 832 1829 860 335 419 9920

RAW MATERIALS

Jordan	167	55	-	-	-	-	218	-	653	-	-	-	1093
Canada	31	-	-	24	-	79	13	-	68	-	-	7	222
S.Arabia	93	28	-	-	5	-	-	-	-	-	-	-	126
Morocco	34	-	-	-	-	-	-	-	61	-	-	-	95
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-	-
Poland	-	36	-	-	-	-	18	12	21	-	-	-	87
U.S.A.	64	17	-	40	15	238	101	85	384	56	-	8	1008
U.S.S.R.	158	19	-	-	35	44	-	-	211	-	-	-	467
Germany	66	12	-	63	72	21	61	-	81	-	-	-	376
U.A.E.	-	-	-	-	8	-	112	-	-	83	-	-	203
Bahrain	-	18	-	-	3	-	-	-	-	28	-	-	49
Iran	11	52	-	-	-	-	-	-	14	-	-	-	77
Iraq	-	-	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	-	-	-	-	8	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-	-	8
Others	677	257	1443	251	178	587	221	735	336	693	327	404	6109

2.2.19 OVERSEAS TRAFFIC (IMPORTS 1991-92) BY COUNTRY OF ORIGIN (CONTD)
(PORTWISE-COMMODITYWISE)

('000 tonnes)

Country of Origin/ Commodities.	Bom- :Kandla: : :	J.L. :Mormu-: : :Nehru:gao : :	New : :Manga-: : :lore :	Tuti-: : :corin: : :	Madras: : :khapa-: : :tnam :	Visa- : :Paradip: : :	Cal- : :cutta: : :	Haldia: : :Total : :					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
IRON & STEEL	24	826	-	-	-	1	-	219	7	6	276	14	1373
Germany	-	193	-	-	-	-	-	28	1	-	10	-	232
France	-	31	-	-	-	-	-	-	-	-	-	-	31
U.S.S.R.	-	3	-	-	-	-	-	2	-	-	-	-	5
U.K.	-	91	-	-	-	-	-	10	-	-	-	-	101
Japan	-	69	-	-	-	-	-	36	1	-	11	-	117
U.S.A.	-	32	-	-	-	-	-	4	-	-	-	-	36
Canada	-	30	-	-	-	-	-	-	-	-	-	-	30
Delgium	-	16	-	-	-	-	-	40	-	-	-	-	56
Czechoslovakia	-	168	-	-	-	-	-	-	-	-	-	-	168
Brazil	-	114	-	-	-	-	-	9	-	3	-	-	126
Korea	-	39	-	-	-	-	-	-	-	3	-	-	42
Malaysia	-	-	-	-	-	-	-	-	-	-	-	-	-
Others	24	40	-	-	-	1	-	90	5	-	255	14	429
IRON SCRAP	196	475	-	-	67	-	14	331	73	-	-	46	1202
U.S.A.	174	-	-	-	47	-	-	229	73	-	-	-	523
U.S.S.R.	-	-	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	1	-	-	-	-	-	1
Netherland	11	-	-	-	-	-	-	-	-	-	-	-	11
Srilanka	-	-	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-	-	-
U.K.	8	-	-	-	-	-	-	-	-	-	-	-	8
Others	3	475	-	-	20	-	13	102	-	-	-	46	559

2.2.19 OVERSEAS TRAFFIC (IMPORTS 1991-92) BY COUNTRY OF ORIGIN (CONTD.)
PORTWISE -COMMODITYWISE)

('000 tonnes)

Country of Origin/ Commodities.	:Bom- :Kandla:	:J.L. :bay	:Mormu- :gao	:New :lore	:Tuti- :corin:	:Visa- :khapa:	:Cal- :cutta:	:Haldia: :Total					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
FOODGRAINS	-	253	-	-	-	16	-	3	-	1	60	-	333
Australia & N.land	-	26	-	-	-	-	-	-	-	-	6	-	32
U.S.A.	-	44	-	-	-	16	-	3	-	1	4	-	68
Canada	-	15	-	-	-	-	-	-	-	-	-	-	15
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-	-
Thailand	-	-	-	-	-	-	-	-	-	-	-	-	-
Panama	-	-	-	-	-	-	-	-	-	-	-	-	-
China	-	18	-	-	-	-	-	-	-	-	-	-	18
Hungary	-	18	-	-	-	-	-	-	-	-	-	-	18
Turkey	-	56	-	-	-	-	-	-	-	-	-	-	56
Others	-	76	-	-	-	-	-	-	-	-	50	-	126

2.2.19 OVERSEAS TRAFFIC (IMPORTS 1991-92) BY COUNTRY OF ORIGIN (CONTD.)
(PORTWISE-COMMODITYWISE)

('000 tonnes)

Country of Origin/ Commodities.		Bom- :Kandla:	J.L. :bay:	Mormu- :gao:	New :lore:	Cochin :lore:	Tuti- ::	Madras ::	khapa- :tnam:	Visa- ::	Cal- ::	Paradip: ::	cutta: ::	Haldia: ::	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
VEGETABLE/ EDIBLE OIL	52	99	-	-	16	1	-	36	12	-	68	-	-	284	
Malaysia	37	63	-	-	16	-	-	-	12	-	-	-	-	128	
Germany	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Taiwan	-	13	-	-	-	-	-	-	-	-	-	-	-	13	
Singapore	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Pakistan	3	5	-	-	-	1	-	4	-	-	-	-	-	13	
U.S.A.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Kuwait	2	-	-	-	-	-	-	-	-	-	-	-	-	2	
Indonesia	-	7	-	-	-	-	-	32	-	-	5	-	-	44	
Other Asian)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
countries)	-	11	-	-	-	-	-	-	-	-	63	-	-	84	
Others	10	-	-	-	-	-	-	-	-	-	-	-	-	-	
CHEMICALS	19	-	-	59	-	-	-	304	41	-	47	-	-	470	
U.S.A	-	-	-	59	-	-	-	149	20	-	-	-	-	228	
Japan	19	-	-	-	-	-	-	-	-	-	-	-	-	19	
France	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Germany	-	-	-	-	-	-	-	13	-	-	-	-	-	13	
S.Arabia	-	-	-	-	-	-	-	-	5	-	-	-	-	5	
Bangladesh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Other American)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
countries)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Other European)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
countries)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Others	-	-	-	-	-	-	-	142	16	-	47	-	-	205	

2.2.19 OVERSEAS TRAFFIC (IMPORTS 1991-92) BY COUNTRY OF ORIGIN (CONTD.)
(PORTWISE- COMMODITYWISE)

('000 tonnes)

Country of Origin/ Commodities.	:Bom- :Kandla:	:J.L. :bay	:Mormu- :Nehru:	:New :gao	:Tuti- :Cochin:	:Visa- :khapa-:	:Cal- :cutta:	:Haldia: :Total					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
COAL													
U.S.A.	-	-	-	31	-	-	-	82	2661	1633	6	1795	6208
U.S.S.R.	-	-	-	-	-	-	-	-	-	-	-	-	-
Newzealand	-	-	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	4	-	-	-	-	-	55	-	-	55
Australia	-	-	-	-	-	-	-	-	2598	1531	-	1795	5924
Poland	-	-	-	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	27	-	-	-	82	63	47	6	-	225
WOOD													
U.S.A.	-	-	-	-	96	-	133	68	30	-	-	-	327
U.S.S.R.	-	-	-	-	-	-	-	5	-	-	-	-	5
Germany	-	-	-	-	-	-	-	3	-	-	-	-	3
Canada	-	-	-	-	-	-	-	6	-	-	-	-	6
Malaysia	-	-	-	-	96	-	128	16	30	-	-	-	16
Burma	-	-	-	-	-	-	5	-	-	-	-	-	254
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-	5
Newzealand	-	-	-	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-	-	-	-	-
Other European)	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Asian)	-	-	-	-	-	-	-	10	-	-	-	-	10
Other African)	-	-	-	-	-	-	-	28	-	-	-	-	28
Other countries)	-	-	-	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-	-	-	-

2.2.19 OVERSEAS TRAFFIC (IMPORTS 1991-92) BY COUNTRY OF ORIGIN (CONTD.)
(PORTWISE- COMMODITYWISE)
('000 tonnes)

Country of Origin/ Commodities.	: Bom- : Kandla: bay :	: J.L. : Nehru: :	: Mormu- : gao :	: New : lore :	: : : : :	: Tuti- : corin: :	: : : : :	: Visa- : khapa- : tnam :	: : : : :	: Cal- : cutta: :	: : : : :
(1)	: (2)	: (3)	: (4)	: (5)	: (6)	: (7)	: (8)	: (9)	: (10)	: (11)	: (12): (13) : (14)
MACHINERY		53	-	-	-	-	-	50	-	-	74
U.S.A.	-	7	-	-	-	-	-	6	-	-	1
Japan	-	11	-	-	-	-	-	10	-	-	3
France	-	5	-	-	-	-	-	-	-	-	-
Germany	-	14	-	-	-	-	-	11	-	-	1
U.S.S.R.	-	3	-	-	-	-	-	-	-	-	-
Canada	-	2	-	-	-	-	-	1	-	-	-
U.K.	-	5	-	-	-	-	-	-	-	-	6
Taiwan	-	-	-	-	-	-	-	-	-	-	-
Italy	-	3	-	-	-	-	-	-	-	-	-
Czechoslovakia	-	3	-	-	-	-	-	-	-	-	3
Sweden	-	-	-	-	-	-	-	-	-	-	3
Switzerland	-	-	-	-	-	-	-	-	-	-	-
Other Asian) countries)	-	-	-	-	-	-	-	-	-	-	-
Other European) countries)	-	-	-	-	-	-	-	-	-	-	55
Others	-	-	-	-	-	-	-	22	-	-	8
	-	-	-	-	-	-	-	-	-	-	22

2.2.20 OVERSEAS TRAFFIC (EXPORTS 1990-91) BY COUNTRY OF DESTINATION
(PORTWISE - COMMODITYWISE)

('000 tonnes)

Country of Destination:	Bombay:	J. L.:	Mormun:	New :	Tutl-:	Visa-:	Cal-:	Total:					
Commodities:	Kandla:	day	Nehru:	gao	Manga-:	Cochin:	corin:	Madras:	khapa-:	Paradip:	cutta:	Haldia:	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
ALL COMMODITIES	2267	3238	377	13154	6485	380	521	8205	5895	2101	798	208	43629
U.S.A.	31	283	...	-	-	52	10	307	85	12	116	14	910
U.S.S.R.	477	227	...	44	48	44	60	130	84	-	230	70	1414
U.K.	32	103	...	-	-	15	13	68	8	-	41	-	280
Holland	51	285	...	374	25	-	-	-	12	9	-	-	756
France	340	5	...	42	6	-	-	58	11	-	-	-	462
Japan	111	108	...	9259	3821	31	-	2741	5062	1390	49	-	22572
Germany	11	3	...	-	1	25	-	48	10	-	58	-	156
Australia/N.zealand	-	25	...	-	313	6	2	16	-	-	18	-	380
Italy	1	69	...	1304	227	-	-	65	2	-	-	-	1668
Romania	-	19	...	564	-	-	-	-	2	-	-	-	585
Belgium	-	35	...	123	32	-	-	15	10	10	-	-	225
Canada	2	14	...	-	-	4	-	5	-	-	8	-	33
Iran	-	13	...	-	363	-	-	-	-	-	-	-	376
Iraq	10	8	...	-	-	-	-	-	-	5	-	-	23
Singapore	82	354	...	-	4	-	-	302	58	-	-	-	800
Indonesia	4	-	...	-	188	-	-	34	62	-	-	-	288
Turkey	-	8	...	-	389	-	-	-	13	-	-	-	410
Korea (S)	66	21	...	896	7	-	48	-	159	36	-	-	1233
Korea (N)	-	-	...	166	-	-	-	-	-	19	-	-	166
Taiwan	9	84	...	-	27	-	-	-	-	-	-	-	139
S. Arabia	303	207	...	-	-	-	-	-	-	-	neg.	-	510
Pakistan	-	8	...	321	-	-	-	-	-	-	-	-	329
Hungry	-	5	...	-	504	-	-	-	-	-	-	-	509
Qatar	3	11	...	-	33	-	-	-	-	-	-	-	47
Czechoslovakia	-	2	...	-	209	-	-	-	-	-	-	-	211
U.A.E.	30	-	...	35	2	-	-	-	-	23	-	-	90
Jorden	99	6	...	-	-	-	-	-	-	-	-	-	105

2.2.20 OVERSEAS TRAFFIC (EXPORTS 1990-91) BY COUNTRY OF DESTINATION (CONTD.)
(PORTWISE - COMMODITYWISE)

('000 Tonnes)

Country of Destination-:	Bom-:	J.L.:	Mormu-:	New	:	Tuti-:	Visa-:	Cal-:	:	Total																	
ation Commodities.:	Kandla:	Day	:Mehru:	gao	:	Cochin:	corin:	Madras:	Khapa-:	Paradip:	cutta:	Haldia:	Total														
:	:	:	:	:	:	lore	:	tnam	:	:	:	:	:														
(1)	:	(2)	:	(3)	:	(4)	:	(5)	:	(6)	:	(7)	:	(8)	:	(9)	:	(10)	:	(11)	:	(12)	:	(13)	:	(14)	
POL CRUDE & ITS PRODUCTS																											
S.Arabia	637	734	-	-	-	31	-	457	131	-	-	-	-	1990													
U.S.A.	112	138	-	-	-	-	-	117	26	-	-	-	-	250													
U.K.	-	70	-	-	-	-	-	-	-	-	-	-	-	213													
Japan	43	-	-	-	-	-	-	-	-	-	-	-	-	43													
France	330	-	-	-	-	-	-	-	-	-	-	-	-	330													
Italy	-	1	-	-	-	-	-	-	-	-	-	-	-	1													
Holland	-	49	-	-	-	-	-	-	12	-	-	-	-	61													
Australia/N.Zealand	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
Belgium	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
Singapore	77	287	-	-	-	-	-	-	37-	-	-	-	-	401													
Iran	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
Iraq	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
S.Korea	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
Other European)	-	73	-	-	-	-	-	79	-	-	-	-	-	152													
Other African)	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
Other Asian)	52	-	-	-	-	31	-	-	-	-	-	-	-	83													
Other American)	23	54	-	-	-	-	-	261	-	-	-	-	-	338													
Other	-	30	-	-	-	-	-	-	-	-	-	-	-	30													
Others	-	32	-	-	-	-	-	-	56	-	-	-	-	88													

2.2.20 OVERSEAS TRAFFIC (EXPORTS 1990-91) BY COUNTRY OF DESTINATION (CONTD.)
(PORTWISE - COMMODITYWISE)

('000 tonnes)

Country of Destination:	Bombay	J.L.	Mormu	New	Tutl	Visa	Cal	Total					
Commodities:	day	gao	Manga	Cochin	corin	Madras	khapa	Paradip	cutta	Haldia	Total		
:	:	:	lore	:	:	tnam	:	:	:	:	:		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
IRON & STEEL	5	94	-	-	-	2	-	-	197	35	119	9	461
U.S.A.	...	12	-	-	-	1	-	-	27	-	6	-	46
U.K.	...	5	-	-	-	-	-	-	8	-	4	-	17
Belgium.	...	1	-	-	-	-	-	-	10	11	-	-	22
Japan	...	2	-	-	-	-	-	-	108	-	1	-	111
U.S.S.R.	...	9	-	-	-	-	-	-	-	-	9	-	18
Germany	...	2	-	-	-	-	-	-	11	-	2	-	15
Canada	...	1	-	-	-	-	-	-	-	-	1	-	2
Australia/N.Zealand	...	1	-	-	-	-	-	-	-	-	-	-	2
Kuwait	...	4	-	-	-	-	-	-	-	-	-	-	4
Other European countries	...	6	-	-	-	-	-	-	20	-	19	-	45
Other African countries	...	5	-	-	-	-	-	-	13	-	1	-	19
Other Asian countries	5	46	-	-	-	1	-	-	-	24	75	9	160
MACHINERY	-	148	-	-	1	4	-	15	-	-	5	-	173
U.S.A.	-	21	-	-	-	-	-	1	-	-	-	-	22
U.S.S.R.	-	20	-	-	1	1	-	4	-	-	1	-	27
Japan	-	1	-	-	-	-	-	neg	-	-	-	-	1
Germany	-	2	-	-	-	2	-	1	-	-	-	-	5
Other African countries	-	42	-	-	-	-	-	3	-	-	-	-	45
Other European countries	-	14	-	-	-	-	-	2	-	-	1	-	17
Middle East	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Asian countries	-	48	-	-	-	1	-	4	-	-	3	-	56
S. America	-	-	-	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-	-	-	-

2.2.20 OVERSEAS TRAFFIC (EXPORTS 1990-91) BY COUNTRY OF DESTINATION (CONTD.)
(PORTWISE - COMMODITYWISE)

('000 tonnes)

Country of Destination	Bom- :Kandla: : : : :	J.L. :Mormu-:New :Nehru:gao : : :	Tuti- :Cochin:Madras: : : : :	Visa- :khapa-:Paradip: : :tnam: : :	Cal- :cutta: : : : :	Total							
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
CHEMICALS													
U.S.A.	-	76	-	-	11	10	-	31	-	-	-	-	128
U.S.S.R.	-	6	-	-	-	2	-	2	-	-	-	-	10
Japan	-	3	-	-	-	-	-	1	-	-	-	-	4
Germany	-	5	-	-	-	1	-	2	-	-	-	-	8
Australia/N.zealand	-	4	-	-	-	-	-	-	-	-	-	-	5
Africa	-	-	-	-	-	1	-	-	-	-	-	-	1
Other Asian	-	4	-	-	-	-	-	-	-	-	-	-	4
Other European	-	27	-	-	11	5	-	16	-	-	-	-	59
Other countries	-	15	-	-	-	1	-	6	-	-	-	-	22
Others	-	12	-	-	-	-	-	3	-	-	-	-	15
TEA	-	13	-	-	44	46	41	-	-	-	96	80	320
U.S.A.	-	-	-	-	4	-	-	-	-	-	9	-	13
U.S.S.R.	-	-	-	-	-	46	41	-	-	-	44	63	194
U.K.	-	-	-	-	2	-	-	-	-	-	4	-	6
Japan	-	-	-	-	1	-	-	-	-	-	2	-	3
Canada	-	-	-	-	-	-	-	-	-	-	1	-	1
Germany	-	-	-	-	7	-	-	-	-	-	5	-	12
Australia/N.zealand	-	-	-	-	-	-	-	-	-	-	2	-	2
Africa	-	3	-	-	4	-	-	-	-	-	1	-	8
Other Asian	-	-	-	-	-	-	-	-	-	-	-	-	-
Other European	-	9	-	-	-	-	-	-	-	-	17	-	26
Other countries	-	1	-	-	-	-	-	-	-	-	11	17	55
Others	-	-	-	-	26	-	-	-	-	-	-	-	-

2.2.20 OVERSEAS TRAFFIC (EXPORTS 1990-91) BY COUNTRY OF DESTINATION (CONTD.)
(PORTWISE - COMMODITYWISE)

('000 tonnes)

Country of Destination Commodities.	:Kandla:	:Bom- bay	:J.L. :Nehru:	:Mormu- gao	:New :lore	:Tuti- corin:	:Visa- :khapa- :tnam	:Cal- :cutta:	:Haldia:	:Total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
BEVERAGE & TABACCO	-	20	-	42	-	-	-	12	-	-	-	-	74
U.S.A.	-	1	-	-	-	-	-	1	-	-	-	-	2
U.S.S.R.	-	1	-	-	-	-	-	6	-	-	-	-	7
Japan	-	-	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-	-	-	-
Romania	-	-	-	-	-	-	-	-	-	-	-	-	-
U.K.	-	1	-	-	-	-	-	1	-	-	-	-	2
Spain	-	-	-	-	-	-	-	-	-	-	-	-	-
Holland	-	-	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-	-	-	-
U.A.E.	-	-	-	-	-	-	-	-	-	-	-	-	-
Aden	-	-	-	-	-	-	-	-	-	-	-	-	-
Australia/N.zealand	-	-	-	-	-	-	-	-	-	-	-	-	-
Other European)	-	3	-	-	-	-	-	-	-	-	-	-	3
countries)	-	14	-	42	-	-	-	4	-	-	-	-	60
Others	-	-	-	-	-	-	-	-	-	-	-	-	-

2.2.20 OVERSEAS TRAFFIC (EXPORTS 1990-91) BY COUNTRY OF DESTINATION (CONTD.)
(PORTWISE - COMMODITYWISE)

('000 tonnes)

Country of Destin- ation Commodities.	:Kandla: : : : : :	:Bom- : : : : :	:J.L. : : : : :	:Mormu- : : : : :	:New : : : : :	:Manga- : : : : :	:Cochin : : : : :	:Tuti- : : : : :	:Madras : : : : :	:khapa- : : : : :	:Paradip : : : : :	:cutta: : : : : :	:Haldia: : : : : :	:Total : : : : :
(1)	: (2)	: (3)	: (4)	: (5)	: (6)	: (7)	: (8)	: (9)	: (10)	: (11)	: (12)	: (13)	: (14)	
IRON ORE	-	-	-	12950	5951(1763)	-	-	5549	5061	1748	-	-	31259	
Japan	-	-	-	9187	3674(202)	-	-	2475	4926	1342	-	-	21604	
Korea (S)	-	-	-	870	-	-	-	-	95	30	-	-	995	
West Indies	-	-	-	-	-	-	-	-	-	-	-	-	-	
Romania	-	-	-	564	-	-	-	-	-	-	-	-	564	
Italy	-	-	-	1304	-	-	-	-	-	-	-	-	1304	
Pakistan	-	-	-	292	-	-	-	-	-	-	-	-	292	
U.A.E.	-	-	-	35	-	-	-	-	-	-	-	-	58	
Holland	-	-	-	352	-	-	-	-	-	-	-	-	352	
Belgium	-	-	-	123	-	-	-	-	-	-	-	-	123	
Korea (N)	-	-	-	166	-	-	-	-	-	-	-	-	166	
Behrain	-	-	-	-	158(-)	-	-	-	-	-	-	-	158	
Australia	-	-	-	-	313(313)	-	-	-	-	-	-	-	313	
Iraq	-	-	-	-	-	-	-	-	-	-	-	-	-	
Germany	-	-	-	-	-	-	-	-	-	-	-	-	-	
Turkey	-	-	-	-	389(389)	-	-	-	-	-	-	-	389	
Hungry	-	-	-	-	504(504)	-	-	-	-	-	-	-	504	
Czechoslovakia	-	-	-	-	209(118)	-	-	-	-	-	-	-	209	
China	-	-	-	-	104(-)	-	-	227	-	346	-	-	677	
U.S.A.	-	-	-	-	-	-	-	-	-	-	-	-	-	
Qatar	-	-	-	-	33(33)	-	-	-	-	-	-	-	33	
Singapore	-	-	-	-	-	-	-	-	-	-	-	-	-	
France	-	-	-	-	-	-	-	-	-	-	-	-	-	
Jorden	-	-	-	-	-	-	-	-	-	-	-	-	-	
Iran	-	-	-	-	363(-)	-	-	-	-	-	-	-	363	
Europe	-	-	-	36	-	-	-	-	-	-	-	-	36	
Others	-	-	-	21	204(204)	-	-	2847	40	7	-	-	3119	

Note: Figures in brackets relates to Iron pellet.

2.2.20 OVERSEAS TRAFFIC (EXPORTS 1991-92) BY COUNTRY OF DESTINATION
(PORTWISE - COMMODITYWISE)

('000 tonnes)

Country of Destination/Commodities	Kandla: bay	Bombay	J.L. Nehru	Mormu: gao	New Mangalore	Cochin	Tuticorin	Madras	Visakhapatnam	Paradip	Calcutta	Haldia	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
ALL COMMODITIES	2636	3239	733	12515	6470	454	751	8682	6237	2048	1034	89	44888
U.S.A.	16	230	...	-	1	69	15	356	153	3	55	3	901
U.S.S.R.	170	114	...	4	49	12	42	88	27	-	33	36	575
U.K.	4	143	...	115	-	18	145	72	-	19	18	-	515
Holland	30	248	...	805	11	-	-	-	-	-	-	-	1113
France	74	77	...	363	5	-	-	47	17	-	-	-	583
Japan	125	101	...	7837	2864	31	21	2656	4974	1364	27	-	20000
Germany	12	66	...	57	3	18	-	63	1	2	27	-	249
Australia/N.Zealand	-	33	...	-	454	8	4	20	-	-	6	-	525
Italy	-	150	...	1135	171	-	-	61	22	-	-	-	1539
Romania	4	10	...	-	-	-	-	-	-	-	-	-	14
Belgium	-	14	...	100	57	-	-	10	-	-	2	-	181
Canada	-	17	...	-	-	5	-	6	-	-	-	-	30
Iran	10	65	...	-	1065	-	-	-	-	-	-	-	1140
Iraq	5	-	...	-	-	-	-	-	-	-	-	-	5
Singapore	306	228	...	38	2	-	37	398	103	-	-	-	1112
Indonesia	63	-	...	-	274	-	62	73	62	-	-	-	534
Turkey	2	27	...	-	388	-	-	-	-	5	-	-	422
Korea (S)	141	74	...	1041	15	-	13	-	565	3	-	-	1852
Korea (N)	26	-	...	39	-	-	-	-	-	-	-	-	65
Taiwan	6	38	...	-	245	-	-	-	1	33	-	-	323
S.Arabia	422	154	...	-	-	-	-	-	2	-	-	-	578
Pakistan	65	7	...	356	-	1	-	-	-	-	neg.	-	429
Hungary	-	1	...	-	202	-	-	-	-	-	-	-	203
Qatar	-	9	...	-	-	-	-	-	-	-	-	-	9
Czechoslovakia	-	8	...	-	26	-	-	-	-	-	-	-	34
U.A.E.	301	-	...	116	5	-	-	-	12	-	-	-	434
Jordan	377	31	...	43	-	-	-	-	-	-	-	-	451

('000 tonnes)

(104)

2.2.20 OVERSEAS TRAFFIC (EXPORTS 1991-92) BY COUNTRY OF DESTINATION (CONTD.)
(PORTWISE - COMMODITYWISE)

('000 tonnes)

Country of Destination/Commodities :	Bombay :	J.L. Nehru :	Mormu :	New Mangalore :	Tuticorin :	Visakhapatnam :	Calcutta :	Haldia :	Total :				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
POL CRUDE & ITS PRODUCTS	660	808	-	-	-	93	-	756	229	-	-	-	2546
S.Arabia	-	60	-	-	-	-	-	-	-	-	-	-	60
U.S.A.	-	53	-	-	-	-	-	5	25	-	-	-	83
U.K.	-	2	-	-	-	-	-	-	-	-	-	-	2
Japan	63	19	-	-	-	-	-	-	29	-	-	-	111
France	41	37	-	-	-	27	-	-	17	-	-	-	122
Italy	-	88	-	-	-	-	-	-	-	-	-	-	88
Holland	21	130	-	-	-	-	-	-	-	-	-	-	151
Australia/N.Zealand	-	-	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-	-	-	-
Singapore	282	164	-	-	-	-	-	-	93	-	-	-	539
Iran	-	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-	-
S.Korea	126	43	-	-	-	-	-	-	36	-	-	-	205
Other European countries)	-	29	-	-	-	-	-	116	-	-	-	-	145
Other African countries)	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Asian countries)	127	131	-	-	-	66	-	465	12	-	-	-	801
Other American countries)	-	-	-	-	-	-	-	-	-	-	-	-	-
Others	-	52	-	-	-	-	-	170	17	-	-	-	239

2.2.20 OVERSEAS TRAFFIC (EXPORTS 1991-92) BY COUNTRY OF DESTINATION (CONTD.)
(PORTWISE - COMMODITYWISE)

('000.Tonnes)

Country of Destination/Commodities.	Bombay	J.L.	Mormugao	New Mangalore	Tuticorin	Visakhapatnam	Calcutta	Haldia	Total				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
IRON & STEEL	2	110	-	-	-	2	-	-	174	29	184	9	510
U.S.A.	...	15	-	-	-	1	-	-	5	-	7	...	28
U.K.	...	3	-	-	-	-	-	-	-	-	1	...	4
Belgium.	...	1	-	-	-	-	-	-	-	-	-	...	1
Japan	...	2	-	-	-	-	-	-	152	11	-	...	165
U.S.S.R.	...	2	-	-	-	-	-	-	-	-	1	...	3
Germany	...	2	-	-	-	-	-	-	-	-	-	...	2
Canada	...	1	-	-	-	-	-	-	-	-	neg.	...	1
Australia/N.zealand	...	4	-	-	-	-	-	-	-	-	2	...	6
Kuwait	...	2	-	-	-	-	-	-	-	-	-	...	2
Other European countries	...	3	-	-	-	-	-	-	10	-	15	...	28
Other African countries	...	7	-	-	-	-	-	-	-	-	2	...	9
Other Asian countries	...	63	-	-	-	-	-	-	7	18	155	...	243
Others	2	5	-	-	-	1	-	-	-	-	-	9	18
MACHINERY	-	121	-	-	-	4	-	18	-	-	5	-	148
U.S.A.	-	13	-	-	-	neg	-	1	-	-	1	-	15
U.S.S.R.	-	11	-	-	-	-	-	1	-	-	-	-	12
Japan	-	1	-	-	-	-	-	neg	-	-	-	-	1
Germany	-	1	-	-	-	1	-	1	-	-	-	-	3
Other African countries	-	39	-	-	-	-	-	4	-	-	-	-	43
Other European countries	-	7	-	-	-	1	-	2	-	-	-	-	10
Middle East	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Asian countries	-	46	-	-	-	2	-	8	-	-	4	-	60
S. America	-	1	-	-	-	-	-	-	-	-	-	-	1
Others	-	2	-	-	-	-	-	1	-	-	-	-	3

2.2.20 OVERSEAS TRAFFIC (EXPORTS 1991-92) BY COUNTRY OF DESTINATION (CONTD.)
(PORTWISE - COMMODITYWISE)

('000.Tonnes)

Country of Destin- ation/Commodities.	:Kandla: bay	:Bom- bay	:J.L. Mormu	:New Manga	:Cochin: corin	:Tuti- :	:Visa- :	:Cal- :	:Paradip: cutta	:Haldia: Total			
:	:	:	:lore	:	:	:	:tnam	:	:	:			
(1)	: (2)	: (3)	: (4)	: (5)	: (6)	: (7)	: (8)	: (9)	: (10)	: (11)	: (12)	: (13)	: (14)
CHEMICALS													
U.S.A.	-	84	-	-	-	15	-	25	-	-	-	-	124
U.S.S.R.	-	7	-	-	-	3	-	1	-	-	-	-	11
Japan	-	2	-	-	-	-	-	neg	-	-	-	-	2
Germany	-	5	-	-	-	1	-	2	-	-	-	-	8
Australia/N.zealand	-	3	-	-	-	-	-	1	-	-	-	-	4
Africa	-	-	-	-	-	1	-	-	-	-	-	-	1
Other Asian countries	-	7	-	-	-	-	-	-	-	-	-	-	7
Other European countries	-	35	-	-	-	6	-	9	-	-	-	-	50
Others	-	12	-	-	-	2	-	9	-	-	-	-	23
	-	13	-	-	-	2	-	3	-	-	-	-	18
TEA													
U.S.A.	-	9	-	-	50	60	44	-	-	-	152	32	347
U.S.S.R.	-	-	-	-	1	5	-	-	-	-	4	-	10
U.K.	-	-	-	-	42	-	44	-	-	-	13	16	115
Japan	-	-	-	-	-	2	-	-	-	-	3	-	5
Canada	-	-	-	-	-	2	-	-	-	-	1	-	3
Germany	-	-	-	-	-	1	-	-	-	-	neg	-	1
Australia/N.zealand	-	-	-	-	1	6	-	-	-	-	5	-	12
Africa	-	-	-	-	-	1	-	-	-	-	1	-	2
Other Asian countries	-	-	-	-	-	7	-	-	-	-	-	-	7
Other European countries	-	9	-	-	-	8	-	-	-	-	120	-	137
Others	-	-	-	-	6	28	-	-	-	-	5	16	55

2.2.20 OVERSEAS TRAFFIC (EXPORTS 1991-92) BY COUNTRY OF DESTINATION (CONTD.)
(PORTWISE - COMMODITYWISE)

('000 tonnes)

Country of Destination/Commodities:	Kandla:	Bombay:	J.L.:	Mormu-:	New Gore:	Cochin:	Corin:	Madras:	Visa:	Paradip:	Calcutta:	Haldia:	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
BEVERAGE & TOBACCO	-	17	-	42	-	-	-	16	-	-	-	-	33
U.S.A.	-	1	-	-	-	-	-	2	-	-	-	-	2
U.S.S.R.	-	-	-	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-	-	-	-
Romania	-	-	-	-	-	-	-	-	-	-	-	-	-
U.K.	-	1	-	-	-	-	-	8	-	-	-	-	9
Spain	-	-	-	-	-	-	-	-	-	-	-	-	-
Holland	-	-	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-	-	-	-
U.A.E.	-	-	-	-	-	-	-	-	-	-	-	-	-
Aden	-	-	-	-	-	-	-	-	-	-	-	-	-
Australia/N.Zealand	-	-	-	-	-	-	-	-	-	-	-	-	-
Other European countries)	-	-	-	-	-	-	-	-	-	-	-	-	-
Others	-	15	-	-	-	-	-	1	-	-	-	-	1
								3					18

2.2.20 OVERSEAS TRAFFIC (EXPORTS 1991-92) BY COUNTRY OF DESTINATION (CONTD.)
(PORTWISE - COMMODITYWISE)

('000 tonnes)

Country of Destination/Commodities	: Bom- : : : : : :	: J.L. : : : : : :	: Mormu- : : : : : :	: New : : : : : :	: Tuti- : : : : : :	: Mang- : : : : : :	: Coch- : : : : : :	: in- : : : : : :	: Madras- : : : : : :	: Khapa- : : : : : :	: Visa- : : : : : :	: Cal- : : : : : :	: Haldia- : : : : : :	: Total
(1)	: (2)	: (3)	: (4)	: (5)	: (6)	: (7)	: (8)	: (9)	: (10)	: (11)	: (12)	: (13)	: (14)	
IRON ORE														
Japan	-	-	-	12208	5993(1713)	-	-	5406	5162	1524	-	-	-	30293
Korea (S)	-	-	-	7774	2761(210)	-	-	2396	4722	1263	-	-	-	18916
West Indies	-	-	-	1013	-	-	-	-	374	-	-	-	-	1387
Romania	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	1135	-	-	-	-	-	-	-	-	-	1135
Pakistan	-	-	-	326	-	-	-	-	-	-	-	-	-	326
U.A.E.	-	-	-	116	-	-	-	-	-	-	-	-	-	116
Holland	-	-	-	801	-	-	-	-	-	-	-	-	-	801
Belgium	-	-	-	100	-	-	-	-	-	-	-	-	-	100
Korea (N)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Behrain	-	-	-	-	59(-)	-	-	-	-	-	-	-	-	59
Australia	-	-	-	-	454(333)	-	-	-	-	-	-	-	-	454
Iraq	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Turkey	-	-	-	-	388(388)	-	-	-	-	-	-	-	-	388
Hungry	-	-	-	-	202(202)	-	-	-	-	-	-	-	-	202
Czechoslovakia	-	-	-	-	26(26)	-	-	-	-	-	-	-	-	26
China	-	-	-	217	484(-)	-	-	583	-	261	-	-	-	1545
U.S.A.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	38	-	-	-	-	-	-	-	-	-	38
France	-	-	-	363	-	-	-	-	-	-	-	-	-	363
Jorden	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	1065(-)	-	-	-	-	-	-	-	-	1065
Europe	-	-	-	290	-	-	-	-	-	-	-	-	-	290
Others	-	-	-	35	554(554)	-	-	2427	66	-	-	-	-	3082

Note: Figures in brackets relates to Iron pellet.

2.2.21 CONTAINER TRAFFIC HANDLED FROM MAJOR PORTS

Item	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1. Export (in million tonnes)							
i) Indian Lines	0.28	0.32	0.25	0.32	0.34	0.36	0.36
ii) Foreign Lines	1.57	2.27	2.59	2.64	3.18	3.32	3.28
iii) Total	1.85	2.59	2.84	2.96	3.52	3.68	3.64
2. Import (in million tonnes)							
i) Indian Lines	0.57	0.54	0.48	0.45	0.44	0.46	0.35
ii) Foreign Lines	1.75	2.12	2.57	2.75	3.38	3.56	2.73
iii) Total	2.32	2.66	3.05	3.20	3.82	4.02	3.08
3. Total (Export + Import) (in million tonnes)							
i) Indian Lines	0.85	0.86	0.73	0.77	0.78	0.82	0.71
ii) Foreign Lines	3.32	4.39	5.16	5.39	6.56	6.88	6.01
iii) Total	4.17	5.25	5.89	6.16	7.34	7.70	6.72
4. General Cargo (Break Bulk & Container) (in million tonnes)	13.03	14.07	14.58	14.50	16.66	16.92	15.81
5. % of Containerised cargo to General Cargo. 32.0		37.3	40.4	42.5	44.1	45.5	42.5

2.2.22 TREND OF CONTAINER TRAFFIC HANDLED AT MAJOR PORTS (PORT-WISE)

('000 tonnes)

Item	: Bom- : J.L. : Mor- : New : : Tuti- : : Visa- : : Cal- : :	: Kandla: bay : : Nehru: mugao: Manga- : : Cochin: corin: Madras: khapa- : : Paradip: cutta: 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	25	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	458	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	-	362	208	3680
1991-92	238	999	711	-	14	264	164	605	59	3	495	82	3634
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	67	3052
1988-89	156	2090	-	5	9	43	35	501	1	-	298	64	3202
1989-90	202	2360	217	1	2	30	52	490	11	-	362	97	3824
1990-91	158	2465	279	-	2	39	57	559	46	-	302	108	4015
1991-92	95	1553	603	-	2	30	38	398	20	-	309	33	3081
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	3888	656	-	9	275	166	1137	82	-	664	316	7695
1991-92	333	2552	1314	-	16	294	202	1003	79	3	804	115	6715

804 664
115 316
980

(Unless specified no. of containers are in 20' equivalent)

	KANDLA				BOMBAY				JAMSHEDPUR				JAMSHEDPUR			
	1987-	1988-	1989-	1990-	1991-	1987-	1988-	1989-	1990-	1991-	1987-	1988-	1989-	1990-	1991-	
	88	89	90	91	92	88	89	90	91	92	88	89	90	91	92	
IMPORT																
20'	14467	18157	24847	21211	15820	126784	135072	154425	160424	141910	-	-	17237	23252	50287	
40'	12385	15327	22501	19171	11758	83564	84410	97989	100084	91566	-	-	-	-	-	
Empty	1041	1415	1173	1020	1031	21610	25331	28218	30170	25172	-	-	-	-	-	
Stuffed	6726	8701	10711	6977	4446	109238	117770	129718	137901	90857	-	-	-	-	-	
20'	5648	7023	9353	6305	3688	74100	75202	82654	89525	61389	-	-	-	-	-	
40'	539	839	679	336	379	17569	21284	23532	24188	14734	-	-	-	-	-	
Empty	7741	9456	14136	14234	9374	17546	17302	24707	22523	51053	-	-	-	-	-	
20'	6737	8304	13148	12866	8070	9464	9208	15335	10559	30177	-	-	-	-	-	
40'	502	576	494	684	652	4041	4047	4686	5982	10438	-	-	-	-	-	
EXPORT																
20'	13816	17776	24513	21919	14487	126266	140189	154463	162584	137085	-	-	16643	31389	59208	
40'	11886	15066	22071	19985	12381	86160	90803	98121	101346	88401	-	-	-	-	-	
Empty	965	1355	1221	967	1053	21053	24693	28171	30619	24342	-	-	-	-	-	
Stuffed	12298	16436	23442	20928	13556	101017	107250	124556	134490	124964	-	-	-	-	-	
20'	11098	14700	21806	19366	11824	71103	76696	85854	86084	82380	-	-	-	-	-	
40'	600	868	818	780	866	14957	15277	19356	24203	21292	-	-	-	-	-	
Empty	1518	1340	1071	993	931	27249	32939	29897	28094	12121	-	-	-	-	-	
20'	788	366	265	619	557	15057	14107	12267	15262	6021	-	-	-	-	-	
40'	365	487	403	187	187	6096	9416	8815	6416	3050	-	-	-	-	-	

2.2.23 CONT. 0 TRAFFIC HANDLED AT MAJOR PORTS (TYPE-WISE) (CONTD.)
(Unless specified no. of containers are in 20' equiv. units - TEUS)

		KANDLA					BOMBAY					JAWAHARLAL NEHRU				
		1987-88	1988-89	1989-90	1990-91	1991-92	1987-88	1988-89	1989-90	1990-91	1991-92	1987-88	1988-89	1989-90	1990-91	1991-92
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11) ⁰	(12)	(13)	(14)	(15)	(16)	(17)
TRANSHIPMENT																
20'	-	-	-	-	-	1568	2097	1010	1208	561	-	-	-	-	-	-
40'	-	-	-	-	-	1308	1311	796	988	503	-	-	-	-	-	-
	-	-	-	-	-	130	393	107	110	29	-	-	-	-	-	-
Stuffed																
20'	-	-	-	-	-	1568	2097	1010	1208	561	-	-	-	-	-	-
40'	-	-	-	-	-	1308	1311	796	988	503	-	-	-	-	-	-
	-	-	-	-	-	130	393	107	110	29	-	-	-	-	-	-
Empty																
20'	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40'	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL																
20'	28283	35933	49360	43130	283073	256618	277358	309898	324216	279556	-	-	33080	54643	109495	-
40'	24271	30393	44572	39156	24139	171032	176524	169606	202418	180470	-	-	-	-	-	-
	1707	1707	2006	1987	2084	42793	50417	56496	60899	49543	-	-	-	-	-	-
Stuffed																
20'	15112	19024	19024	27903	18002	211823	227117	255924	273598	216382	-	-	-	-	-	-
40'	13196	16746	16746	25671	15512	146511	153209	169304	176597	144272	-	-	-	-	-	-
	958	1139	1139	1116	1245	32656	36954	42995	48501	36055	-	-	-	-	-	-
Empty																
20'	9622	9259	9259	15227	10306	44705	50241	54604	50617	53174	-	-	-	-	-	-
40'	8124	7525	7525	13485	8627	24521	23315	27802	25621	35198	-	-	-	-	-	-
	749	867	867	871	839	10137	13463	13501	12398	13486	-	-	-	-	-	-

(Unless specified no. of containers are in 20' equiv. units - TEUS)

(115)

2.2.23 CONTAINER TRAFFIC HANDLED AT MAJOR PORTS (TYPE-WISE) (CONTD.)
(Unless specified no. of containers are in 20' equiv. units - TEUS)

(1)	NORMUGAO				NEW MANGALORE				COCHIN						
	1987-88	1988-89	1989-90	1990-91	1991-92	1987-88	1988-89	1989-90	1990-91	1991-92	1987-88	1988-89	1989-90	1990-91	1991-92
TRANSHIPMENT	-	-	-	-	-	-	-	-	-	-	1635	3070	2231	1894	1068
20'	-	-	-	-	-	-	-	-	-	-	1082	1986	873	890	522
40'	-	-	-	-	-	-	-	-	-	-	277	542	679	679	263
Stuffed	-	-	-	-	-	-	-	-	-	-	1220	2632	969	1218	598
20'	-	-	-	-	-	-	-	-	-	-	854	1756	565	602	312
40'	-	-	-	-	-	-	-	-	-	-	187	438	192	308	143
Empty	-	-	-	-	-	-	-	-	-	-	408	438	1262	676	490
20'	-	-	-	-	-	-	-	-	-	-	288	230	288	288	210
40'	-	-	-	-	-	-	-	-	-	-	90	104	487	194	140
TOTAL	-	892	298	-	-	3031	2226	1235	1063	1855	43014	46989	47875	48782	52144
20'	-	...	...	-	-	...	...	...	767	1395	23486	24335	25277	24864	26820
40'	-	...	...	-	-	...	...	...	148	230	9764	11327	11299	12059	12662
Stuffed	-	892	298	-	-	882	1698	1569	705	927	25075	27480	26311	28063	29069
20'	-	...	...	-	-	...	...	...	569	735	13751	14586	14161	14499	15089
40'	-	...	...	-	-	...	...	...	68	96	5662	6447	6075	6782	7000
Empty	-	-	-	-	-	631	1362	1462	358	928	17939	19509	21564	20719	23059
20'	-	-	-	-	-	...	...	...	188	660	9735	9749	11116	10165	11731
40'	-	-	-	-	-	...	...	...	80	134	4102	4880	5224	5277	5662

CONTAINER TRAFFIC HANDLED AT MAJOR PORTS (TYPE-WISE) (CONTD.)
(Unless specified no. of containers are in 20' equiv. units -

	TUTICORIN					MADRAS					VISAKHAPATNAM					
	1987- : 88 :	1988- : 89 :	1989- : 90 :	1990- : 91 :	1991- : 92 :	1987- : 88 :	1988- : 89 :	1989- : 90 :	1990- : 91 :	1991- : 92 :	1987- : 88 :	1988- : 89 :	1989- : 90 :	1990- : 91 :	1991- : 92 :	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	
IMPORT	4076	4280	6810	9688	13389	29222	37110	45671	54268	52871	585	126	1347	4193	4024	
20'	3144	2616	4766	5988	7095	10694	21864	26891	30868	32265	327	98	399	845	2056	
40'	466	832	1022	1850	3147	5264	7623	8350	11700	10303	129	14	474	1674	984	
Stuffed	1786	2108	2803	2705	1174	22532	31705	36519	43697	31080	636	118	497	2807	619	
20'	1664	1206	2695	2198	988	14816	18423	21875	23595	18574	324	90	397	503	219	
40'	61	451	54	253	93	3958	6641	7322	10051	5753	106	14	50	1152	300	
Empty	2230	2172	4007	6083	12216	6600	6406	9182	10571	21791	49	8	850	1386	3205	
20'	1480	1410	2071	3789	6107	4078	3441	7016	7273	12691	3	8	2	342	1837	
40'	405	381	968	1597	3054	1306	982	1068	1649	4550	23	-	424	522	684	
EXPORT	3836	4502	7090	10324	14261	28410	36469	45422	54373	53334	634	112	1311	4241	3772	
20'	2909	2978	2968	6808	7919	18124	21993	28402	32223	32006	340	100	371	837	1924	
40'	430	767	1096	1754	3181	5143	7238	8510	11075	10864	147	6	470	1702	924	
Stuffed	3184	3570	6356	9473	14158	22374	26421	37974	45927	51203	88	62	693	2085	3316	
20'	2352	2530	4220	6079	7876	14448	18363	26396	30311	30954	36	58	39	487	1812	
40'	416	520	1068	1697	3141	3963	4029	5789	7808	10129	26	2	427	799	752	
Empty	654	932	734	851	123	6036	10048	7448	8446	2131	546	50	418	2156	456	
20'	626	438	678	729	43	3676	3630	2006	1912	1061	304	42	332	350	112	
40'	14	247	28	61	40	1180	3209	2721	3267	535	121	4	43	903	172	

2.2.23 CONTAINER TRAFFIC HANDLED AT MAJOR PORTS (TYPE-WISE) (CONTD.)
(Unless specified no. of containers are in 20' equiv. units - TEUS)

		TUTICORIN				MADRAS				VISAKHAPATNAM						
		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
TRANSHIPMENT																
20'	124	-	215	194	-	-	23888	14850	2080	432	250	-	-	-	-	-
40'	110	-	143	156	-	-	19130	12112	1804	330	210	-	-	-	-	-
	7	-	36	19	-	-	2379	1369	138	51	20	-	-	-	-	-
Stuffed																
20'	124	-	215	194	-	-	19417	13602	1799	352	250	-	-	-	-	-
40'	110	-	143	156	-	-	16245	11288	1523	298	210	-	-	-	-	-
	7	-	36	19	-	-	1586	1187	138	27	20	-	-	-	-	-
Empty																
20'	-	-	-	-	-	-	4471	1188	281	80	-	-	-	-	-	-
40'	-	-	-	-	-	-	2885	824	281	32	-	-	-	-	-	-
	-	-	-	-	-	-	793	182	-	24	-	-	-	-	-	-
TOTAL																
20'	8038	8782	14115	20208	27670	81520	88429	93173	109073	106455	1219	238	2658	8434	7796	
40'	6232	5584	9807	12952	15014	55948	55969	59097	63421	64481	667	198	770	1682	3980	
	903	1599	2154	3627	6328	12786	16230	17038	22826	20987	276	20	944	3376	1908	
Stuffed																
20'	5094	5678	9374	12372	15332	64323	71788	76292	89976	82533	624	180	1390	4892	4135	
40'	4126	3736	7058	8434	8864	45308	48074	49794	54204	50729	360	148	436	990	2031	
	484	971	1158	1969	3234	9507	11857	13249	17886	15902	132	16	477	1951	1052	
Empty																
20'	2944	3104	4741	7834	12338	17197	16641	16881	19097	23922	595	58	1268	3542	3661	
40'	2106	1848	2749	4518	6150	10639	7895	9303	9217	13752	307	50	334	692	1949	
	335	419	628	1658	3094	4940	3279	4373	4940	5085	144	4	467	1425	856	

(unless specified no. of containers are in 20' equiv. units - TEUS)

(119)

2.2.23 CONTAINER TRAFFIC HANDLED AT MAJOR PORTS (TYPE-WISE) (CONTD.)
(Unless specified no. of containers are in 20' equiv. units - TEUS)

		PARADIP					HALDIA					CALCUTTA				
		1987-	1988-	1989-	1990-	1991-	1987-	1988-	1989-	1990-	1991-	1987-	1988-	1989-	1990-	1991-
		88	89	90	91	92	88	89	90	91	92	88	89	90	91	92
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
TRANSHIPMENT																
20'		N I L														
40'																
Stuffed																
20'							627		110	17	322		57	39		
40'							507		104	17	322		57	39		
Empty																
20'							60		3							
40'																
Stuffed																
20'							571		110	17	322		57	39		
40'							497		104	17	322		57	39		
Empty																
20'							37		3							
40'																
TOTAL																
20'		446	21570				15901	23136	22396	8999	57599	63779	57316	48985	57813	
40'		274	16132				14615	21698	21218	8661	38315	37851	42580	36583	43797	
Stuffed																
20'		86	2719				643	719	509	169	9642	12964	7368	6201	7008	
40'		207	12720				10826	19401	18888	7301	43384	50609	45514	41282	46428	
Empty																
20'		119	9950				10262	18249	17872	7027	29924	29813	34126	31634	35526	
40'		44	1385				282	576	508	137	6730	10398	5694	4824	5451	
Stuffed																
20'		239	8850				5075	3735	3508	1698	14215	13170	11802	7703	11385	
40'		155	6182				4353	3449	3346	1634	8391	8038	8454	4949	8271	
Empty																
20'		42	1334				361	143	81	32	2912	2566	1674	1377	1557	
40'																

2.2.24 Level of Containerisation in the General Cargo
at various Major Ports - 1990-91 and 1991-92

Ports	Containerised Cargo (000 tonnes)				General Cargo (000 tonnes)				Percentage of Containerised Cargo to General Cargo			
	Export	Import	Total		Export	Import	Total		Export	Import	Total	
	2	3		5	6	7	8	9	10			
Kandla	1990-91	344	158	502	1124	690	1814	30.6	22.9	27.7		
	1991-92	238	95	333	1219	501	1720	19.5	19.0	19.4		
Bombay	1990-91	1423	2465	3888	2074	4151	6225	68.6	59.4	62.5		
	1991-92	999	1553	2552	1873	2795	4668	53.3	55.6	54.7		
J.L.Nehru	1990-91	377	279	656	377	279	656	100.0	100.0	100.0		
	1991-92	711	603	1314	11	603	1314	100.0	100.0	100.0		
Mormugao	1990-91	-	-	0	132	-	34	0.0	0.0	0.0		
	1991-92	-	-	0	506	-	132	0.0	0.0	0.0		
New Mangalore	1990-91	7	2	9	426	323	749	1.4	0.6	1.1		
	1991-92	14	2	16	351	213	564	3.3	1.0	2.5		
Cochin	1990-91	236	39	275	366	233	599	72.1	18.3	48.8		
	1991-92	264	30	294	403	392	795	27.0	12.9	49.1		
Tuticorin	1990-91	109	57	166	671	332	1003	24.4	11.4	20.9		
	1991-92	164	38	202	1046	1279	2325	55.3	43.7	48.9		
Madras	1990-91	578	559	1137	1200	873	2073	50.4	45.6	48.4		
	1991-92	605	398	1003	282	189	471	12.8	24.3	17.4		
Vishakhapatnam	1990-91	36	46	82	297	93	390	19.9	21.5	20.3		
	1991-92	59	20	79	27	431	458	0.0	0.0	0.0		
Paradip	1990-91	-	-	0	17	298	315	17.6	0.0	1.0		
	1991-92	3	-	3	818	1609	2427	44.3	18.8	27.4		
Calcutta	1990-91	362	302	664	1169	1657	2826	42.3	18.6	28.5		
	1991-92	495	309	804	208	113	321	100.0	95.6	98.4		
Haldia	1990-91	208	108	316	89	53	142	92.1	62.3	81.0		
	1991-92	82	33	115	7250	9669	16919	50.8	41.5	45.5		
TOTAL	1990-91	3680	4015	7695	8170	7642	15812	44.5	40.3	42.5		
	1991-92	3634	3081	6715								

Note: Includes Transshipment Cargo

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

General Cargo (000T)

	Containerised Cargo		Total General Cargo		% Share in Total Containerised cargo		% Share in Total General Cargo		Level of Containerisation % of containerised Cargo to General Cargo	
	1990-91	1991-92	1990-91	1991-92	1990-91	1991-92	1990-91	1991-92	1990-91	1991-92
ALL PORTS	453	339	503	428	15.3	12.7	9.7	7.6	90.1	79.2
Export										
1. Textiles, Cotton, Yarn etc	168	87	267	22	5.7	3.3	5.2	4.0	62.9	38.2
2. Metal & Metal Products	24	24	24	4	0.8	0.9	0.5	0.4	100.0	100.0
3. Food grains & Other Prod.	163	141	281	299	5.5	5.3	5.4	5.3	58.0	47.2
4. Tea & Coffee	89	110	327	320	3.0	4.1	6.3	5.6	27.2	34.4
5. Granite & its other Mat.	111	121	144	144	3.6	4.5	2.4	2.5	89.5	84.0
6. Fish and other Marine Products.	66	72	250	31	2.2	1.2	1.3	0.5	100.0	100.0
7. Fodder	104	72	219	267	3.5	2.7	4.8	4.7	41.6	27.0
8. Fruits & vegetable.	78	126	63	60	1.1	1.0	1.2	1.1	35.6	53.2
9. Jute and Jute products.	31	27	74	52	1.9	1.0	1.4	0.9	49.2	45.0
10. Spices.	55	26	134	139	3.0	2.7	2.6	2.5	74.3	50.0
11. Hosiery, Harbardashry and Millinery.	89	73	90	61	1.4	1.0	1.7	1.1	56.4	52.5
12. Machinery/Instruments and Transport equipments	42	47	54	52	1.7	1.8	1.0	0.9	46.7	45.9
13. Drugs and Medicine	51	29	46	59	1.2	1.1	0.9	1.0	94.4	90.4
14. Cashew Kernals.	35	107	95	107	3.2	4.0	1.8	1.9	76.1	49.2
15. Dyes and Colours	37	54	47	64	1.3	2.0	0.9	1.1	100.0	100.0
16. Cost Iron Goods.	86	77	108	123	2.9	2.9	2.1	2.2	78.7	84.4
17. Oil, fats etc.	1175	1149	2410	2970	39.9	43.1	45.6	52.5	79.6	82.6
18. Chemicals.									48.8	38.7
19. Others										
Total Export*	2952	2668	5182	5655	100.0	100.0	100.0	100.0	57.0	47.1
ALL MAJOR PORTS	3680	3634	7250	8170					50.8	44.5

* Includes only 7 Major Ports viz. Bombay, Madras, Calcutta, Haldia, Cochin, Tuticorin and Vishakhapatnam.

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

	General Cargo (000T)									
	Containerised Cargo		Total General Cargo		% Share in Total Containerised Cargo		% Share in Total General Cargo		Level of Containerisation	
	1990-91	1991-92	1990-91	1991-92	1990-91	1991-92	1990-91	1991-92	1990-91	1991-92
IMPORTS										
1. Iron & Steel, Metal and Metal products	805	457	2437	1159	22.5	19.6	30.7	19.2	33.0	40.3
2. Chemicals	383	223	489	287	10.7	9.4	6.2	4.8	78.3	77.7
3. Paper, Newsprints etc.	360	179	419	241	10.1	7.5	5.3	4.0	85.9	74.3
4. Foodgrains & other Cereals.	168	85	183	93	4.7	3.6	2.3	1.5	91.8	91.4
5. Plastic and its products	66	69	70	76	1.8	2.9	0.9	1.3	94.3	90.8
6. Machinery/Instruments and Transport equip.	186	124	322	229	5.2	5.2	4.1	3.8	57.8	54.1
7. Textiles, Yarn, Cotton etc.	66	61	75	69	1.8	2.6	0.9	1.1	88.0	88.4
8. Rubber and its products.	80	44	108	48	2.2	1.8	1.4	0.6	74.1	91.7
9. Oil, fats etc.	29	15	29	15	0.8	0.6	0.4	0.2	100.0	100.0
10. Wood pulp	46	23	99	64	1.3	1.0	1.2	1.1	46.5	35.8
11. Others	1387	1091	3715	3755	38.9	45.8	46.6	62.2	37.3	29.1
Total Imports*	3576	2381	7946	6036	100.0	100.0	100.0	100.0	45.0	39.4
ALL MAJOR PORTS	4015	3081	9669	7642					41.5	40.3

* Includes only 7 Major Ports viz. Bombay, Madras, Calcutta, Haldia
Cochin, Tuticorin and Vishakhapatnam.

2.2.27 COMMODITY-WISE BREAK-UP OF CONTAINERISED CARGO AS WELL AS GENERAL CARGO AND
LEVEL OF CONTAINERISATION AT MAJOR PORTS (PORT-WISE)

PORT: BOMBAY

Commodities	GENERAL CARGO (000'T)		% share in total: % share in total: Level of containerisation		: Containerised : Total Gen. Cargo: cargo		: Containerised : General cargo		: (% of containerised cargo to General cargo		: 1990-91 1991-92: 1990-91 1991-92 : 1990-91 1991-92	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
EXPORT												
1. Textiles, cotton, yarn, etc.	289	168	335	245	20.3	16.0	13.1	16.2	86.3	65.3		
2. Metal & Metal products.	120	48	200	156	8.4	4.8	8.3	9.6	60.0	30.8		
3. Tea & Coffee	9	5	12	9	0.6	0.5	0.5	0.6	75.0	55.6		
4. Foodgrains and other Cereals.	24	24	24	24	1.7	2.4	1.3	1.2	100.0	100.0		
5. Fish, shrimps and other marine products.	23	25	34	41	1.6	2.5	2.2	1.6	64.6	61.0		
6. Fodder	66	31	66	31	4.6	3.1	1.7	3.2	100.0	100.0		
7. Fruits & Vegetables.	47	36	178	200	3.3	3.6	11.1	0.6	26.4	17.3		
8. Spices	14	10	27	31	1.0	1.0	1.7	1.3	51.9	32.3		
9. Hosiery, Harberda-sherry and Millinery.	55	26	74	52	3.9	2.6	2.8	3.6	74.3	50.0		
10. Machinery, Instruments	57	35	96	91	4.0	3.5	4.8	4.6	59.4	38.5		
Transport equipments.	42	28	90	61	3.0	2.8	3.2	4.3	46.7	45.9		
11. Drugs and Medicines.	35	29	46	59	2.5	2.9	3.2	2.2	76.1	49.2		
12. Dyes and Colours.	31	15	31	15	2.2	1.5	0.8	1.5	100.0	100.0		
13. Oil seeds, fats etc.	60	46	77	84	4.2	4.6	4.5	3.7	77.9	54.8		
14. Chemicals.	11	-	22	7	0.8	-	0.4	1.1	50.0	-		
15. Plastic & Products.	39	25	69	45	2.7	2.5	2.4	3.3	56.5	55.6		
16. Motor Vehicle parts	501	456	693	714	35.2	45.7	38.0	33.4	72.3	63.9		
17. Others.												
Total Export	1423	999	2074	1873	100.0	100.0	100.0	100.0	68.6	53.3		

2.2.27 COMMODITY-WISE BREAK-UP OF CONTAINERISED CARGO AS WELL AS GENERAL CARGO AND
LEVEL OF CONTAINERISATION AT MAJOR PORTS (PORT-WISE)(CONTD.)

PORT: BOMBAY

Commodities	GENERAL CARGO (000'T) : % share in total: % share in total: Level of containerisation : (% of containerised cargo to : General cargo : 1990-91 1991-92 : 1990-91 1991-92 : 1990-91 1991-92										
	: : : : : : : : : : : :										
	: : : : : : : : : : : :										
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	
IMPORT											
1. Iron & Steel	190	144	1121	214	7.7	9.3	27.0	7.7	16.9	67.3	
2. Metal & Metal products	491	198	606	246	19.9	12.7	14.6	8.8	81.0	80.5	
3. Chemicals.	275	141	363	192	11.2	9.1	8.7	6.9	75.8	73.4	
4. Paper, Newsprints etc.	274	135	274	135	11.1	8.7	6.6	4.8	100.0	100.0	
5. Plastic & its products	9	8	10	12	0.4	0.5	0.2	0.4	90.0	66.7	
6. Machinery/Instrument and Transport equipments.	73	44	125	101	3.0	2.8	3.0	3.6	58.4	43.4	
7. Textiles, cotton, yarn etc.	52	50	61	57	2.1	3.2	1.5	2.0	85.2	87.7	
8. Hair and wool	30	30	33	32	1.2	1.9	0.8	1.1	90.9	93.8	
9. Rubber and its products.	40	21	44	24	1.6	1.4	1.1	0.9	90.9	87.5	
10. Oil, fats etc.	29	15	29	15	1.2	1.0	0.7	0.5	100.0	100.0	
11. Woodpulp.	42	18	42	18	1.7	1.2	1.0	0.6	100.0	100.0	
12. Foodgrains & other cereals.	126	64	126	64	5.1	4.1	3.0	2.3	100.0	100.0	
13. Industrial alcohols & sprits(non-potable)	12	5	54	37	0.5	0.3	1.3	1.3	22.2	13.5	
14. Drugs & Medicine.	8	4	10	5	0.3	0.3	0.2	0.2	80.0	80.0	
15. Fertilizers	3	11	3	11	0.1	0.7	0.1	0.4	100.0	100.0	
16. Fertilizers raw mat.	94	106	94	106	3.8	6.8	2.3	3.8	100.0	100.0	
17. Lack, gums and resin	35	10	45	13	1.4	0.6	1.1	0.5	77.8	76.9	
18. Food stuff. NOS	14	6	21	26	0.6	0.4	0.5	0.9	66.7	23.1	
19. Others	668	543	1090	1487	27.1	35.0	26.3	53.3	61.3	36.5	
Total Imports	2465	1553	4151	2795	100.0	100.0	100.0	100.0	59.4	55.6	

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2.2.27 COMMODITY-WISE BREAK-UP OF CONTAINERISED CARGO AS WELL AS GENERAL CARGO AND
LEVEL OF CONTAINERISATION AT MAJOR PORTS (PORT-WISE) (CONTD.)

PORT: COCHIN

Commodities	GENERAL CARGO (000'T) : % share in total: % share in total: Level of containerisation										
	: Containersired : Total Gen. Cargo: cargo					: Containersired : General cargo					: (% of containerisation)
	:					:					: (% of containerisation)
	:					:					: (% of containerisation)
	: 1990-91 1991-92: 1990-91 1991-92: 1990-91 1991-92					: 1990-91 1991-92 : 1990-91 1991-92					: General cargo
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	
EXPORT											
1. Textiles, cotton, yarn, etc.	23	30	23	30	9.7	11.4	6.6	8.2	100.0	100.0	
2. Tea & Coffee	30	45	46	60	12.7	17.0	13.1	16.4	65.2	75.0	
3. Fish, shrimps and other marine products.	57	60	59	66	24.2	22.7	16.8	18.0	96.6	90.9	
4. Spices	17	17	36	29	7.2	6.4	10.3	7.9	47.2	58.6	
5. Cashew Kernels	47	34	50	37	19.9	12.9	14.2	10.1	94.0	91.9	
6. Chemicals	8	12	10	15	3.4	4.5	2.8	4.1	80.0	80.0	
7. Coir Products	22	21	24	22	9.3	8.0	6.8	6.0	91.7	95.5	
8. Others.	32	45	103	107	13.6	17.0	29.4	29.3	31.1	42.1	
Total Export	236	264	351	366	100.0	100.0	100.0	100.0	67.2	72.1	

PORT: COCHIN

2.2.27 COMMODITY-WISE BREAK-UP OF CONTAINERISED CARGO AS WELL AS GENERAL CARGO AND
LEVEL OF CONTAINERISATION AT MAJOR PORTS (PORT-WISE)(CONTD.)

Commodities	GENERAL CARGO (000'T)									
	: share in total:					: share in total:				
	: containerised					: General cargo				
	: Total Gen.Cargo:					: Level of containerisation				
	:					: (% of containerised cargo to General cargo				
	: 1990-91 1991-92:1990-91 1991-92:1990-91 1991-92					: 1990-91 1991-92 :1990-91 1991-92				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
IMPORT										
1.Iron & Steel Metal & Metal products.	3	1	3	3	7.7	3.3	1.4	1.3	100.0	33.3
2.Chemicals.	1	-	4	13	2.6	-	1.9	5.6	25.0	-
3.Paper,Newsprints etc.	2	1	23	21	5.1	3.3	10.8	9.0	8.7	4.8
4.Machinery	1	1	3	1	2.6	3.3	1.4	0.4	33.3	100.0
5.Rubber and its products.	7	7	7	7	17.9	23.3	3.3	3.0	100.0	100.0
6.Cashew nuts	-	-	5	1	-	-	2.3	0.4	-	-
7.Other	25	20	168	187	64.1	66.8	78.9	80.3	14.9	10.7
Total Imports	39	30	213	233	100.0	100.0	100.0	100.0	18.3	12.9

PORT: TETICORIN

EXPORT.

IMPORT-

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PORT: MADRAS

2.2.27 COMMODITY-WISE BREAK-UP OF CONTAINERISED CARGO AS WELL AS GENERAL CARGO AND
LEVEL OF CONTAINERISATION AT MAJOR PORTS (PORT-WISE)(CONTD.)

Commodities	GENERAL CARGO (000'T)										
	: share in total:					% share in total:					
	: containerised					: General cargo					
: Total Gen. Cargo: cargo											
: General cargo											
: (% of containerised cargo to											
: General cargo											
: 1990-91 1991-92: 1990-91 1991-92: 1990-91 1991-92 : 1990-91 1991-92 : 1990-91 1991-92											
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	
EXPORT											
1. Textiles, cotton, yarn, etc.	118	109	122	113	20.5	18.1	11.7	9.4	96.7	96.5	
2. Metal & Metal Products.	48	39	67	72	8.3	6.5	6.4	6.0	71.6	54.2	
3. Tea & Coffee	7	2	7	2	1.2	0.3	0.7	0.2	100.0	100.0	
4. Garnite blocks & its other materials.	89	110	327	320	15.5	18.2	31.3	26.7	27.2	34.4	
5. Fish, shrimps and other marine	15	14	15	15	2.6	2.3	1.4	1.3	100.0	93.3	
6. Fruits & Vegetables.	57	36	72	59	9.9	6.0	6.9	4.9	79.2	61.0	
7. Machinery, Instruments Transport equipments.	32	38	38	48	5.6	6.3	3.6	4.0	84.2	79.2	
8. Oil seeds, Fats etc.	6	39	16	49	1.0	6.5	1.5	4.1	37.5	79.2	
9. Chemicals.	18	19	21	24	3.1	3.2	2.0	2.0	85.7	79.2	
10. Others	185	197	361	498	32.3	32.6	34.5	41.4	51.2	39.6	
Total Exports	575	603	1046	1200	100.0	100.0	100.0	100.0	55.0	50.3	

Note: Transshipment Cargo Excluded.

2.2.27 COMMODITY-WISE BREAK-UP OF CONTAINERISED CARGO AS WELL AS GENERAL CARGO AND
LEVEL OF CONTAINERISATION AT MAJOR PORTS (PORT-WISE)(CONTD.)

PORT: MADRAS

Commodities	GENERAL CARGO (000'T)										
	: share in total: %			: share in total: %			: share in total: %			: Level of containerisation	
	: Contained			: General cargo			: General cargo			: (% of containerised cargo to	
	: 1990-91			: 1991-92			: 1990-91			: General cargo	
	: 1990-91			: 1991-92			: 1990-91			: 1991-92	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	
IMPORT											
1. Iron & Steel Metal & Metal products.	75	71	345	261	13.5	17.9	27.0	29.9	21.7	27.2	
2. Chemicals.	46	34	61	34	8.3	8.6	4.8	3.9	75.4	100.0	
3. Paper, Paper products etc.	84	43	122	85	15.1	10.9	9.5	9.7	68.9	50.6	
4. Wheat Flour other cereals & products.	42	21	57	29	7.6	5.3	4.5	3.3	73.7	72.4	
5. Plastic & its products.	57	61	60	64	10.3	15.4	4.7	7.3	95.0	95.3	
6. Machinery/Instrument and Transport equipments.	81	57	163	105	14.5	14.4	12.7	12.0	50.0	54.3	
7. Textiles, cotton, Hair and wool etc.	14	11	14	12	2.5	2.8	1.1	1.4	100.0	91.7	
8. Rubber and its products.	33	16	57	17	5.9	4.0	4.5	1.9	57.9	94.1	
9. Wood Pulp.	4	5	57	46	0.7	1.3	4.5	5.3	7.0	10.9	
10. Drugs & Medicine.	14	14	14	14	2.5	3.5	1.1	1.6	100.0	100.0	
11. Plantation commodities	17	6	38	15	3.1	1.5	3.0	1.7	44.7	40.0	
12. Others	89	57	291	191	16.0	14.4	22.6	22.0	30.6	29.8	
Total Imports	556	396	1279	873	100.0	100.0	100.0	100.0	43.5	45.4	

Note: Transshipment cargo excluded.

PORT: VISAKHAPATNAM

2.2.27 COMMODITY-WISE BREAK-UP OF CONTAINERISED CARGO AS WELL AS GENERAL CARGO AND
LEVEL OF CONTAINERISATION AT MAJOR PORTS (PORT-WISE)(CONTD.)

Commodities	GENERAL CARGO (000'T) : % share in total: % share in total: Level of containerisation										
	Containerised	Total Gen.Cargo	cargo	Containerised	General cargo	nerisation	(% of containerised cargo to	General cargo	1990-91	1991-92	1990-91
	1990-91	1991-92	1990-91	1991-92	1990-91	1991-92	1990-91	1991-92	1990-91	1991-92	1990-91
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	
EXPORT											
1.Shrimps	12	15	12	15	33.3	25.4	4.3	5.1	100.0	100.0	
2.Alumina Ingots	-	33	-	34	-	55.9	-	11.4	-	97.1	
3.Other	24	11	270	248	66.7	18.7	95.7	83.5	8.9	4.4	
Total Exports	36	59	282	297	100.0	100.0	100.0	100.0	12.8	19.9	
IMPORT											
Total Imports	46	20	189	93	100.0	100.0	100.0	100.0	24.3	21.5	

PORT: HALDIA

2.2.27 COMMODITY-WISE BREAK-UP OF CONTAINERISED CARGO AS WELL AS GENERAL CARGO AND
LEVEL OF CONTAINERISATION AT MAJOR PORTS (PORT-WISE) (CONTD.)

Commodities	GENERAL CARGO (000'T)										
	: % share in total:										: % share in total:
	: Total Gen. Cargo:										: General cargo.
	: Total Gen. Cargo:										: General cargo.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	
EXPORT											
1. Tea & Coffee	80	32	80	32	38.5	39.0	38.5	36.0	100.0	100.0	
2. Jute & Jute Products	11.	3	11	3	5.3	3.7	5.3	3.4	100.0	100.0	
3. Cast Iron goods	32	5	32	5	15.4	6.1	15.4	5.6	100.0	100.0	
4. Mica	13	6	13	6	6.2	7.3	6.2	6.7	100.0	100.0	
5. Others	72	36	72	43	34.6	43.9	34.6	48.3	100.0	83.7	
Total Export	208	82	208	89	100.0	100.0	100.0	100.0	100.0	92.1	
IMPORT											
1. Iron & steel, Metal & its Products.	5	4	5	6	4.6	12.1	4.4	11.3	100.0	66.7	
2. Chemicals	5	1	5	1	4.6	3.0	4.4	1.9	100.0	100.0	
3. Machinery	16	4	16	4	14.8	12.1	14.2	7.5	100.0	100.0	
4. Others	82	24	87	42	76.0	72.8	77.0	79.3	94.3	57.1	
Total Import	108	33	133	53	100.0	100.0	100.0	100.0	95.6	62.3	

2.2.28 CARGO/SHIP TRAFFIC DURING 1990-91 & 1991-92
(MONTH-WISE)

Name of Port	April		May		June		July		Aug.		Sept.	
	1990	1991	1990	1991	1990	1991	1990	1991	1990	1991	1990	1991
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1. CALCUTTA												
i) Vessels arrived(No.)	60	57	60	64	62	44	65	64	66	47	57	52
ii) Vessels sailed(No.)	69	60	63	64	59	53	62	59	59	42	65	57
iii) Traffic handled ('000 tonnes)	341	334	344	306	328	324	269	358	282	313	332	284
2. HALDIA												
i) Vessels arrived(No.)	52	50	54	52	40	46	37	51	44	52	45	57
ii) Vessels sailed(No.)	51	55	53	50	41	44	37	51	43	54	48	54
iii) Traffic handled ('000 tonnes)	1035	1017	971	980	767	921	638	950	735	866	915	1137
3. PARADIP												
i) Vessels arrived(No.)	20	23	28	26	17	16	19	29	28	22	18	28
ii) Vessels sailed(No.)	23	24	22	22	22	18	19	31	24	22	20	28
iii) Traffic handled ('000 tonnes)	483	599	503	611	629	442	521	714	724	572	427	667
4. VISAKHAPATNAM												
i) Vessels arrived(No.)	67	90	71	76	70	77	74	67	70	71	66	69
ii) Vessels sailed(No.)	64	89	67	79	64	68	79	74	65	68	76	71
iii) Traffic handled ('000 tonnes)	1466	1903	1632	1589	1350	1718	1566	1876	1914	1510	1421	1926

2.2.28 CARGO/SHIP TRAFFIC DURING 1990-91 & 1991-92
(MONTH-WISE)

Name of Port	April		May		June		July		Aug.		Sept.	
	1990	1991	1990	1991	1990	1991	1990	1991	1990	1991	1990	1991
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
5. MADRAS												
i) Vessels arrived(No.)	128	136	139	112	126	125	130	109	131	115	139	123
ii) Vessels sailed(No.)	135	131	121	122	138	113	129	128	130	114	128	113
iii) Traffic handled ('000 tonnes)	1790	1252	1938	2124	2306	1854	1914	2098	21087	1966	1998	1951
6. TUTTICORIN												
i) Vessels arrived(No.)	58	53	56	62	51	55	67	56	57	60	58	55
ii) Vessels sailed(No.)	52	53	55	60	53	54	60	57	60	57	58	61
iii) Traffic handled	392	414	398	487	349	520	378	500	433	468	419	486
7. COCHIN												
i) Vessels arrived(No.)	70	70	79	64	71	59	76	67	64	56	72	58
ii) Vessels sailed(No.)	65	71	75	63	70	58	83	69	64	55	68	60
iii) Traffic handled ('000 tonnes)	546	480	619	509	683	563	650	740	526	462	512	632
8. NEW MANGALORE												
i) Vessels arrived(No.)	39	38	32	44	48	40	36	35	46	50	41	36
ii) Vessels sailed(No.)	30	40	36	40	39	43	38	33	47	47	40	39
iii) Traffic handled ('000 tonnes)	585	594	451	717	692	639	732	643	698	764	777	676

2.2.28 CARGO/SHIP TRAFFIC DURING 1990-91 & 1991-92
(MONTH-WISE)

Name of Port	April		May		June		July		Aug.		Sept.	
	1990	1991	1990	1991	1990	1991	1990	1991	1990	1991	1990	1991
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
9. MORMUGAO												
i) Vessels arrived(Nos.)	44	51	40	49	15	29	22	23	18	21	27	29
ii) Vessels sailed(Nos.)	35	50	39	53	26	30	26	25	16	21	23	30
iii) Traffic handled	1619	2132	1576	1578	440	376	305	337	95	157	342	323
('000 tonnes)												
10. BOMBAY												
i) Vessels arrived(Nos.)	167	103	162	160	152	129	160	146	176	148	155	159
ii) Vessels sailed(No.)	193	108	176	156	135	143	172	146	151	164	178	151
iii) Traffic handled	2202	2286	2198	2129	2333	1985	2215	2055	2528	2157	2364	2206
('000 tonnes)												
11. KANDLA												
i) Vessels arrived(No.)	89	77	90	74	67	76	76	71	70	89	82	82
ii) Vessels sailed(No.)	85	87	87	80	75	74	75	69	67	91	79	80
iii) Traffic handled	1820	1481	1680	1713	1608	1802	1339	1537	1312	1757	1600	1649
('000 tonnes)												
12. JAWAHARLAL NEHRU												
i) Vessels arrived(No.)	..	..	..	..	..	..	..	..	..	29	..	28
ii) Vessels sailed(No.)	..	..	..	..	..	..	..	..	..	27	..	31
iii) Traffic handled	96	201	152	226	86	216	180	193	136	222	188	249
13. ALL PORTS												
i) Vessels arrived(No.)	794	748	811	783	719	696	762	718	770	760	760	776
ii) Vessels sailed(No.)	802	768	794	789	740	700	780	742	726	762	783	775
iii) Traffic handled	12375	13693	12462	12969	11565	11360	10707	12001	11470	11214	11295	12186

Note: Based on monthly data from IPA.

2.2.28 CARGO/SHIP TRAFFIC DURING 1990-91 & 1991-92
(MONTH-WISE)

Name of Port	Oct.		Nov.		Dec.		Jan.		Feb.		March	
	1991	1992	1991	1992	1991	1992	1991	1992	1991	1992	1991	1992
(1)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)
1. CALCUTTA												
i) Vessels arrived(No.	59	48	68	61	86	75	69	57	66	65	65	68
ii) Vessels sailed(No.)	62	54	62	55	85	75	67	57	65	70	70	67
iii) Traffic handled ('000 tonnes)	335	265	355	323	409	401	352	327	375	385	410	420.
2. HALDIA												
i) Vessels arrived(No.	48	50	50	52	51	57	54	54	52	50	58	59
ii) Vessels sailed(No.)	46	53	48	52	52	57	53	53	51	49	58	59
iii) Traffic handled ('000 tonnes)	910	916	936	930	1078	1132	1105	936	931	905	1093	1121
3. PARADIP												
i) Vessels arrived(No.	20	26	24	23	27	33	25	32	17	..	20	25
ii) Vessels sailed(No.)	23	30	22	24	27	28	21	33	21	..	20	27
iii) Traffic handled ('000 tonnes)	634	725	602	702	805	676	479	607	486	506	590	478
4. VISAKHAPATNAM												
i) Vessels arrived(No.	81	81	68	73	75	87	74	77	66	70	83	81
ii) Vessels sailed(No.)	77	80	69	75	79	83	71	78	70	71	82	82
iii) Traffic handled ('000 tonnes)	1737	1883	1434	1619	1828	2079	1622	1865	1727	1694	1723	1861

2.2.28 CARGO/SHIP TRAFFIC DURING 1990-91 & 1991-92
(MONTH-WISE)

Name of Port	Oct.		Nov.		Dec.		Jan.		Feb.		March	
	1991 1992	1991 1992	1991 1992	1991 1992	1991 1992	1991 1992	1991 1992	1991 1992	1991 1992	1991 1992	1991 1992	1991 1992
(1)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)
5. MADRAS												
i) Vessels arrived(No.)	127	100	121	161	138	134	131	124	132	142	139	152
ii) Vessels sailed(No.)	128	99	130	113	141	137	137	129	135	131	140	149
iii) Traffic handled ('000 tonnes)	2227	1443	1676	1752	2110	2170	2245	2351	2283	2346	2043	2523
6. TUTICORIN												
i) Vessels arrived(No.)	57	63	59	60	59	74	57	72	57	56	65	75
ii) Vessels sailed(No.)	54	60	67	60	54	67	57	72	58	64	65	66
iii) Traffic handled ('000 tonnes)	429	517	466	464	420	458	439	530	467	467	485	556
7. COCHIN												
i) Vessels arrived(No.)	62	66	71	69	75	69	72	81	63	63	81	63
ii) Vessels sailed(No.)	66	62	68	73	73	69	68	77	68	64	76	68
iii) Traffic handled ('000 tonnes)	574	673	582	674	586	727	663	744	612	635	635	671
8. NEW MANGALORE												
i) Vessels arrived(No.)	40	45	46	41	39	50	45	39	32	43	50	37
ii) Vessels sailed(No.)	35	42	40	42	39	45	40	37	32	45	44	40
iii) Traffic handled ('000 tonnes)	631	667	691	700	738	695	648	651	656	802	735	728

2.2.28 CARGO/SHIP TRAFFIC DURING 1990-91 & 1991-92
(MONTH-WISE)

Name of Port	Oct. 1991	Oct. 1992	Nov. 1991	Nov. 1992	Dec. 1991	Dec. 1992	Jan. 1991	Jan. 1992	Feb. 1991	Feb. 1992	March 1991	March 1992
(1)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)
9. MORMUGAO												
i) Vessels arrived(No	41	42	42	40	55	45	49	48	42	50	57	43
ii) Vessels sailed(Nos	39	39	40	40	52	40	54	45	39	50	60	48
iii) Traffic handled	1335	1579	1410	1800	2115	1387	2056	1859	1505	1639	2112	1966
('000 tonnes)												
10. BOMBAY												
i) Vessels arrived(No	170	164	166	170	176	170	169	192	149	131	171	193
ii) Vessels sailed(No.	170	161	192	167	185	172	185	182	142	126	188	179
iii) Traffic handled	2467	2097	2712	2597	2900	2359	2972	2595	2527	2708	2377	2345
('000 tonnes)												
11. KANDLA												
i) Vessels arrived(No	79	80	73	92	87	89	87	71	104	90	87	93
ii) Vessels sailed(No.	78	77	77	82	86	93	93	93	90	91	89	94
iii) Traffic handled	1573	1887	1379	1720	1924	1879	1953	1736	1743	1711	1736	2130
('000 tonnes)												
12. JAMNABHARATI NEHRU												
i) Vessels arrived(No	..	33	..	..	..	34	..	30	..	..	..	35
ii) Vessels sailed(No.	..	29	..	..	..	33	..	32	..	..	..	26
iii) Traffic handled	163	257	248	265	198	294	201	215	200	189	173	248
13. ALL PORTS												
i) Vessels arrived(No	784	798	788	797	868	917	832	877	780	760	876	924
ii) Vessels sailed(No.	778	786	815	783	873	899	846	888	768	761	892	905
iii) Traffic handled	13015	12909	12491	13546	15129	14257	14735	14416	13512	13987	14112	15047

Note: Based on monthly data from IPA.

2.3.1 PASSENGER TRAFFIC AT MAJOR PORTS IN INDIA (CONTD.)

(In '000)

Port/Year	OVERSEAS		COASTAL		TOTAL				
	Emarked	Disembarked	Total	Emarked	Disembarked	Total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
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	-	-	-	-	-
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	-	-	-	1.3	3.1	4.4	1.3	3.1	4.4
1975-76	-	-	-	5.7	5.2	10.9	5.7	5.2	10.9
1980-81	-	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	-	-	-	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
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	27.0	24.3	51.3	29.3	28.0	57.3
1987-88	(a)	(a)	(a)	35.2	36.2	71.4	35.2	36.2	71.4
1988-89	-	-	-	37.8	34.7	72.5	37.8	34.7	72.5
1989-90	-	-	-	30.0	26.7	56.7	30.0	26.7	56.7
1990-91	-	-	-	31.3	27.7	59.0	31.3	27.7	59.0
1991-92	-	-	-	34.2	27.3	61.5	34.2	27.3	61.5

(141)

2.3.1 PASSENGER TRAFFIC AT MAJOR PORTS IN INDIA (CONTD.)

(In '000)

Port/Year	OVERSEAS		COASTAL		TOTAL				
	Emarked	Disembarked	Total	Emarked	Disembarked	Total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
ALL MAJOR PORTS									
1960-61	116.2	125.3	241.5	487.0	465.6	952.6	603.2	590.9	1194.1
1965-66	95.6	158.9	254.5	425.5	393.6	819.1	521.1	552.5	1073.6
1970-71	76.0	90.3	166.3	299.1	280.0	579.1	375.1	370.3	745.4
1975-76	98.2	52.1	150.3	117.2	103.0	220.2	215.4	155.1	370.5
1980-81	34.1	36.1	70.2	163.1	154.9	318.0	197.2	191.0	388.2
1985-86	8.6	9.6	18.2	190.0	191.7	381.7	198.6	201.3	399.9
1986-87	8.0	7.9	15.9	197.0	193.1	390.1	205.0	201.0	406.0
1987-88	6.7	8.2	14.9	199.2	199.6	398.8	205.9	207.8	413.7
1988-89	6.3	7.0	13.3	94.3	85.7	180.0	100.6	92.7	193.3
1989-90	9.4	9.8	19.2	72.8	67.8	140.6	82.2	77.6	159.8
1990-91	7.1	10.5	17.6	70.5	68.3	138.8	77.6	78.8	156.4
1991-92	8.6	9.0	17.6	75.8	69.0	144.8	84.4	78.0	162.4

(a) : Included in Coastal.

2.4.1 NUMBER AND SIZE OF SHIPS SAILED

(GRT in 000)

Ports	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	1986-87	101	875	207	2022	87	1132	470	11357	-	-	1	5	866	15391
	1987-88	92	911	216	1840	98	1240	529	12796	-	-	1	19	936	16806
	1988-89	103	950	139	1666	102	1253	515	12362	12362	-	3	30	862	16261
	1989-90	97	978	237	1588	108	1268	527	13216	13216	-	9	243	978	17293
	1990-91	81	746	215	1713	113	1403	529	14570	14570	-	8	226	946	18658
	1991-92	61	450	239	1941	110	1219	589	15441	15441	-	5	186	1004	19237
Bombay	1986-87	554	5385	815	6293	123	1495	598	14058	11	314	7	47	2118	27592
	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	47	1080	-	-	1950	27400
J.L.Nehru	1989-90	84	...	-	-	12	...	-	-	-	-	3	..	99	...
	1990-91	99	...	-	-	54	...	-	-	-	-	17	..	170	...
	1991-92	237	...	-	-	54	...	-	-	-	-	53	..	344	...
Mormugao	1986-87	-	-	37	318	233	7548	156	2279	-	-	-	-	426	10145
	1987-88	-	-	30	207	197	7125	199	3080	-	-	-	-	426	10412
	1988-89	6	-	31	219	236	8192	212	3184	1	37	-	-	486	10672
	1989-90	3	40	29	284	182	7183	181	2856	6	226	-	-	401	10567
	1990-91	-	-	21	262	177	7642	237	3745	2	76	-	-	437	11725
	1991-92	-	-	16	124	178	7101	267	4281	-	-	-	-	461	11506
New Mangalore	1986-87	24	115	152	1236	120	2697	109	1475	-	-	-	-	405	5550
	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	6023
	1990-91	11	32	135	1076	176	4051	135	1751	-	-	-	-	457	6910
	1991-92	18	66	136	1161	189	4301	149	1973	-	-	-	-	492	7501

2.4.1 NUMBER AND SIZE OF SHIPS SAILED

(GRT in 000)

Ports	Container Break Bulk Dry Bulk Liquid Bulk Lash Ro-Ro Total														
	No.	GRT	No.	GRT	No.	GRT	No.	GRT	No.	GRT	No.	GRT			
Cochin	1986-87	217	1932	182	1318	32	425	243	6022	2	57	1	4	697	9758
	1987-88	172	1529	183	1317	32	504	243	5901	2	57	-	-	632	9314
	1988-89	195	1345	160	1280	28	570	277	6809	3	86	-	-	673	10090
	1989-90	258	1496	160	1500	26	498	233	5911	4	115	-	-	691	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	9925
Tuticorin	1986-87	55	448	115	588	155	3109	105	1290	1	29	-	-	431	5464
	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	6386
	1989-90	138	670	225	871	168	3534	102	1424	5	142	-	-	638	6641
	1990-91	193	680	228	850	160	3167	111	1383	-	-	-	-	692	6080
	1991-92	167	590	224	1027	163	3446	141	1845	-	-	-	-	695	6908
Madras	1986-87	474	3701	241	2100	184	5057	400	9827	10	285	-	-	1309	20970
	1987-88	474	3867	249	1935	213	5827	463	11161	12	348	-	-	1411	23138
	1988-89	381	3321	261	1752	249	7178	484	10955	11	314	-	-	1386	23520
	1989-90	476	3726	276	2127	283	8971	437	19955	14	419	-	-	1486	25198
	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
Visakhapatnam	1986-87	14	134	136	1121	211	5963	253	5392	1	29	-	-	615	12639
	1987-88	14	109	105	888	199	6306	256	5724	8	229	-	-	582	13256
	1988-89	3	32	80	895	313	9796	295	7895	8	172	-	-	699	17790
	1989-90	17	103	107	794	357	9715	298	6975	9	257	-	-	788	17844
	1990-91	35	218	106	827	356	9390	312	6782	4	115	-	-	813	17332
	1991-92	44	204	67	571	398	10196	353	7575	8	235	-	-	870	18781

(GRT in 000)

(145A)

2.5.1 PORT-WISE COMMODITY-WISE CAPACITY

(In Million Tonnes)

COMMODITIES	Calcutta	Madras	Paradip	Khanna	Visakhapatnam	Tuticorin	Cochin	New Mangalore	Morva	Muga	Bombay	Kandla	Nehru	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
POL														
1984-85	0.50	3.50	-	2.00	4.00	1.00	4.50	1.00	1.50	19.25	18.00	-	-	55.25
1989-90	2.40	4.00	-	11.50	8.50	1.10	8.50	1.00	1.50	18.00	17.00	-	-	73.50
1991-92	2.40	8.50	-	11.50	8.50	1.10	8.50	1.00	1.50	18.00	17.00	-	-	78.00
Iron Ore														
1984-85	-	-	4.00	8.00	8.00	-	-	7.50	14.00	-	-	-	-	41.50
1989-90	-	-	4.00	8.00	8.00	-	-	7.50	13.00	-	-	-	-	40.50
1991-92	-	-	4.00	8.00	8.00	-	-	7.50	14.00	-	-	-	-	41.50
Coal														
1984-85	1.00	3.00	-	-	-	2.75	-	-	-	-	-	-	-	6.25
1989-90	-	5.00	-	-	-	2.00	-	-	-	-	-	-	-	7.00
1991-92	-	5.00	-	-	-	2.00	-	-	-	-	-	-	-	7.00
Fertiliser														
1984-85	-	1.80	-	0.30	0.60	-	0.60	-	-	-	0.60	-	-	3.90
1989-90	-	1.80	2.00	0.35	-	-	0.40	-	-	-	0.50	2.90	-	7.95
1991-92	-	1.80	2.00	0.35	-	-	0.40	-	-	-	0.50	2.90	-	7.95
Break-Bulk Cargo														
1984-85	4.00	0.20	0.85	2.40	2.85	2.20	1.65	0.80	0.60	5.20	1.60	-	-	22.35
1989-90	3.55	1.18	1.85	2.60	3.85	2.00	1.40	1.05	0.42	7.55	2.90	-	-	27.95
1991-92	3.55	1.18	1.85	2.60	3.85	2.00	1.40	1.05	0.42	7.55	2.90	-	-	27.95
Container														
1984-85	-	0.36	-	-	0.96	-	0.36	-	-	1.80	-	-	-	3.48
1989-90	-	0.30	-	-	0.96	-	0.36	-	-	1.25	-	-	-	3.20
1991-92	-	0.30	-	-	1.92	-	0.36	-	-	1.25	-	-	-	3.83
TOTAL														
1984-85	5.50	8.86	4.85	12.70	16.41	5.45	7.11	9.30	16.10	26.25	20.20	-	-	132.73
1989-90	5.95	12.28	7.65	22.45	21.11	5.10	10.66	9.55	14.92	26.80	20.40	5.90	162.77	
1991-92	5.95	18.78	7.65	22.45	22.07	5.10	10.66	9.55	15.92	26.80	20.40	5.90	169.23	

2.6.1 SELECTED PORT PERFORMANCE INDICATORS - BY TYPE

Item/Year	Category of vessels				
	Dry-Bulk	Liquid Bulk	Break-Bulk	Container vessels	All Types
(1)	(2)	(3)	(4)	(5)	(6)
1. No. of vessels sailed					
1991-92	1951	3467	2135	1541	9094
1990-91	1894	3217	2293	1714	9118
1989-90	1884	2991	2331	1667	8873
2. Av. pre-berthing waiting time(days)					
1991-92	1.8	1.7	1.8	0.6	1.6
1990-91	3.2	1.6	2.6	1.2	2.1
1989-90	4.6	1.6	3.2	1.5	2.6
3. Av. turn round time (days)					
1991-92	9.6	4.1	10.5	3.6	6.7
1990-91	13.0	4.0	12.4	4.5	8.1
1989-90	14.8	4.0	13.3	4.7	8.8
4. Percentage of Idle time at berth to time at working berthing					
1991-92	31	38	41	39	37
1990-91	30	39	41	41	37
1989-90	31	37	41	41	37
5. Output per ship berth day(tonnes)					
1991-92	4888	12501	536	1506	3942
1990-91	4083	12405	512	1467	3372
1989-90	4015	12642	521	1455	3273

2.6.2 SELECTED PORT PERFORMANCE INDICATORS - BY PORT

Item	Kandla	Bombay	gao	Mormu- New Manga- lore	Cochin	Tuti- corin	Madras	Visa- khapa- tnam	Paradip	Haldia	Cal- cutta	All Ports
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1.No.of vessels sailed												
i)1991-92	1003	1939	454	490	652	695	1388	860	316	631	666	9094
ii)1990-91	945	2028	428	456	701	643	1506	809	262	581	759	9118
iii)1989-90	976	2035	387	398	676	572	1471	781	244	583	750	8873
2.Av.pre-berth- ing waiting time(days)												
i)1991-92	3.6	1.6	0.9	1.7	0.8	1.3	1.6	1.0	1.2	1.5	0.8	1.6
ii)1990-91	4.4	3.4	0.8	0.8	0.8	0.9	2.1	1.8	1.6	1.7	0.9	2.1
iii)1989-90	3.9	5.0	0.6	3.9	0.9	1.4	2.0	1.1	2.7	1.6	0.6	2.6
3.Av.Turn round time (days)												
i)1991-92	8.6	7.6	6.0	5.5	3.9	5.2	6.0	5.6	6.1	6.0	10.9	6.7
ii)1990-91	10.0	10.8	6.4	5.0	4.0	4.7	7.2	7.1	8.4	6.5	11.9	8.1
iii)1989-90	9.0	13.5	8.8	9.4	4.6	5.4	6.5	5.9	9.5	6.1	11.7	8.8
4.Percentage of Idle time to time at berth.												
i)1991-92	18	44	23	48	44	40	43	22	22	44	41	37
ii)1990-91	20	44	22	46	44	42	40	20	21	44	41	37
iii)1989-90	18	44	23	47	43	37	40	22	25	44	40	37
5.Output per ship berth day(tonnes)												
i)1991-92	5322	2825	10343	4564	4124	2196	4579	6120	4919	5851	612	3942
ii)1990-91	4417	2310	10429	4412	3714	2130	3912	5325	4082	5659	560	3372
iii)1989-90	4749	1998	7809	3913	3230	2398	4169	6260	3937	5839	591	3273

2.6.3 NUMBER OF VESSELS SAILED - BY TYPE AND PORT.

Port	Dry-Bulk				Liquid Bulk				Break-Bulk				Containers				All Types			
	89-90	90-91	91-92	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	
Kandla	104	106	111	527	528	589	248	231	239	97	80	64	976	945	1003					
Bombay	161	137	89	646	638	644	697	689	651	531	564	555	2035	2028	1939					
Mormugao	194	186	174	181	235	264	9	7	16	3	-	-	387	428	454					
New Mangalore	159	176	189	111	134	149	116	135	134	12	11	10	398	456	490					
Cochin	34	28	26	224	243	270	153	130	106	265	300	250	676	701	652					
Tuticorin	160	163	166	101	111	141	172	176	221	139	193	167	572	643	695					
Madras	283	306	316	438	484	476	375	384	314	377	332	282	1471	1506	1388					
Visakhapatnam	347	356	395	300	316	353	116	101	68	10	36	44	781	809	860					
Paradip	202	220	234	22	26	64	20	16	17	-	-	1	244	262	316					
Calcutta	60	43	45	129	156	148	409	420	360	152	140	113	750	759	666					
Haldia	180	173	206	314	346	369	16	4	9	73	58	47	583	581	631					
All Major Ports 1884	1894	1951	2991	3217	3467	2331	2293	2135	1667	1714	1541	8873	9118	9094						

2.6.4 AVERAGE PRE-BERTHING DETENTION - BY TYPE AND PORT

(In days)

Port	Dry-Bulk				Liquid Bulk				Break-Bulk				Containers				All Types			
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
	89-90	90-91	91-92	89-90	90-91	91-92	89-90	90-91	91-92	89-90	90-91	91-92	89-90	90-91	91-92	89-90	90-91	91-92	89-90	90-91
Karulia	9.6	11.2	5.0	2.0	1.8	2.4	5.5	7.6	6.2	3.7	3.7	1.6	3.9	4.4	3.6					
Bombay	21.6	11.2	2.4	2.5	2.6	2.4	5.0	3.4	1.3	3.1	2.2	0.8	5.0	3.4	1.6					
Mormugao	0.1	N	0.1	1.2	1.4	1.4	0.1	0.1	0.1	N	-	-	0.6	0.8	0.9					
New Mangalore	6.5	1.3	3.6	0.3	0.3	0.4	4.0	0.6	0.6	0.1	N	0.1	3.9	0.8	1.7					
Cochin	4.8	5.1	7.1	0.6	0.7	0.8	1.1	0.8	0.5	0.4	0.5	0.3	0.9	0.8	0.8					
Tuticorin	2.1	1.5	1.6	0.7	0.6	0.6	2.0	1.1	2.0	0.3	0.3	0.4	1.4	0.9	1.3					
Madras	3.1	2.7	1.5	1.9	2.2	2.4	2.8	2.6	1.4	0.7	0.9	0.6	2.0	2.1	1.6					
Visakhapatnam	1.7	3.0	1.2	0.5	0.9	1.0	1.0	1.3	0.8	0.2	0.3	0.1	1.1	1.8	1.0					
Paradip	3.1	1.7	1.3	0.2	0.7	0.3	2.0	1.9	2.0	-	-	0.6	2.7	1.6	1.2					
Calcutta	0.9	1.5	1.2	0.7	0.6	0.7	0.7	1.0	0.9	0.2	0.4	0.3	0.6	0.9	0.8					
Haldia	2.3	2.4	1.2	1.2	1.4	1.8	5.2	2.8	1.7	0.4	0.6	0.4	1.6	1.7	1.5					
All Major Ports	4.6	3.2	1.8	1.6	1.6	1.7	3.2	2.6	1.8	1.5	1.2	0.6	2.6	2.1	1.6					

N- Negligible.

2.6.5 AVERAGE TURN ROUND TIME - BY TYPE AND PORT

(In days)

Port	Dry-Bulk			Liquid Bulk			Break-Bulk			Containers			All Types		
	89-90	90-91	91-92	89-90	90-91	91-92	89-90	90-91	91-92	89-90	90-91	91-92	89-90	90-91	91-92
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Kandla	25.9	26.6	17.0	4.1	4.0	4.6	12.7	16.9	15.5	8.0	8.3	4.9	9.0	10.0	8.6
Rombay	43.3	31.2	20.3	5.8	5.9	5.6	17.9	14.5	10.2	8.1	7.1	4.7	13.5	10.8	7.6
Mormugao	13.0	9.4	6.9	3.9	3.9	4.6	16.6	8.8	18.0	0.8	-	-	8.8	6.4	6.0
New Mangalore	11.5	4.9	6.9	1.3	1.4	1.4	14.9	9.0	8.6	1.3	1.4	2.3	9.4	5.0	5.5
Cochin	29.3	25.2	22.1	2.5	2.6	2.7	6.5	5.6	5.9	2.1	2.4	2.5	4.6	4.0	3.9
Tuticorin	8.5	8.8	8.3	2.5	2.2	2.1	7.7	5.8	7.5	1.2	1.5	1.7	5.4	4.7	5.2
Madras	11.3	11.7	9.1	3.9	4.5	4.4	10.3	10.8	8.5	2.1	2.7	2.6	6.5	7.2	6.0
Visakhapatnam	8.9	11.7	6.4	2.5	2.7	2.9	6.5	6.2	6.0	1.8	2.4	1.7	5.9	7.1	5.6
Paradip	10.7	9.1	7.2	1.6	1.9	1.7	6.7	9.3	6.8	-	-	1.6	9.5	8.4	6.1
Calcutta	19.9	22.3	17.5	5.0	5.2	4.9	14.9	15.4	14.2	5.4	5.6	5.9	11.7	11.9	10.9
Haldisa	10.0	11.9	9.8	3.6	3.9	4.2	19.4	23.5	5.9	4.1	4.6	3.2	6.1	6.5	6.0
All Major Ports	14.8	13.0	9.6	4.0	4.0	4.1	13.3	12.4	10.5	4.7	4.5	3.6	8.8	8.1	6.7

2.6.6 PERCENTAGE OF IDLE TIME AT BERTH TO TIME AT BERTH - BY TYPE AND PORT.

Port	Dry-Bulk				Liquid Bulk				Break-Bulk				Containers				All Types			
	89-90	90-91	91-92	(1)	89-90	90-91	91-92	(2)	89-90	90-91	91-92	(3)	89-90	90-91	91-92	(4)	89-90	90-91	91-92	(5)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)					
Kandla	11	15	12	36	36	33	15	18	14	16	15	15	16	20	18					
Bombay	43	41	39	46	49	51	45	45	46	44	42	36	44	44	44					
Mormugao	24	22	20	16	21	30	20	19	21	50	-	-	23	22	23					
New Mangalore	40	45	43	38	32	33	51	49	53	50	57	46	47	46	48					
Cochin	44	37	47	24	33	30	49	51	46	46	49	51	43	44	44					
Tuticorin	30	37	30	38	39	42	43	49	48	46	44	47	37	42	40					
Madras	36	35	40	30	33	34	44	44	48	55	59	58	40	40	43					
Visakhapatnam	20	19	20	29	24	26	22	24	23	15	9	14	22	20	22					
Paradip	25	21	23	..	..	..	27	22	29	-	-	-	25	21	22					
Calcutta	39	38	39	44	54	52	40	43	42	28	27	25	40	41	41					
Haldia	39	47	45	42	42	39	43	17	44	44	40	49	44	44	44					
All Major Ports	31	30	31	37	39	38	41	41	41	41	41	39	37	37	37					

N - Negligible.

2.5.7 OUTPUT PER SHIP BERTH DAY - BY TYPE AND PORT.

(In tonnes)

Port	Dry-Bulk			Liquid Bulk			Break-Bulk			Containers			All Types		
	89-90	90-91	91-92	89-90	90-91	91-92	89-90	90-91	91-92	89-90	90-91	91-92	89-90	90-91	91-92
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Kandla	1200	1236	1467	17731	17211	18218	992	789	841	1609	1583	1789	4749	4417	5322
Bombay	769	758	874	12526	13632	13354	446	465	479	1428	1545	1610	1998	2310	2825
Mormugao	8750	12074	13715	5707	6207	7506	513	519	787	510	-	-	7809	10429	10343
New Mangalore	9138	11107	11811	6816	6359	6140	622	733	583	544	554	422	3913	4412	4564
Cochin	857	1191	1530	17209	15767	14440	390	417	531	1032	837	906	3230	3714	4124
Tuticorin	3623	2979	3590	4714	5096	5313	780	705	603	1035	676	883	2398	2130	2196
Madras	5594	5118	5446	14664	12887	13544	501	481	609	1989	2075	1912	4189	3912	4579
Visakhapatnam	5951	4933	5657	14092	11799	11456	848	846	997	832	1240	1223	6260	5325	6120
Paradip	3985	4191	4914	10246	10730	9030	1140	666	647	-	-	755	3937	4082	4919
Calcutta	541	498	554	2592	2242	2383	406	381	377	1041	987	1336	591	560	612
Haiderabad	4536	3623	3600	12911	13079	13032	636	551	892	1724	1938	1336	5839	5659	5851
All Major Ports	4015	4083	4888	12842	12405	12501	521	512	536	1455	1467	1506	3273	3372	3942

2.6.8 AVERAGE BERTH OCCUPANCY AT MAJOR PORTS

(Percentage)

Port	1987-88	1988-89	1989-90	1990-91	1991-92
(1)	(2)	(3)	(4)	(5)	(6)
KANDLA	80.0	84.0	86.0	88.5	89.8
BOMBAY	73.5	81.0	81.6	77.0	62.6
MORMUGAO	43.0	62.0	69.0	66.0	67.0
NEW MANGALORE	77.8	83.7	169.0	55.9	57.3
COCHIN	41.7	47.8	52.3	49.7	45.3
TUTICORIN	52.3	63.5	73.3	72.6	76.1
MADRAS	79.1	84.7	86.2	86.6	79.0
VISAKHAPATNAM	52.1	56.9	63.3	77.9	81.9
PARADIP	51.2	64.2	70.2	68.5	60.6
HALDIA	57.8	67.6	67.4	69.1	63.2
CALCUTTA	67.3	58.2	59.9	56.9	53.8

2.6.9 UTILISATION OF CARGO HANDLING EQUIPMENTS

: Mech. System : Utilisation of General Cargo handling equipments (average
: : : no. of hours worked per month per equipment.)

Port/Year	Tonnes per worked day :	Commodity :	Elect. Wharf Cranes: : 3-10 : Above :	Mobile : Cranes :	Fork Lifts	
(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	156
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

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

2.6.9 UTILISATION OF CARGO HANDLING EQUIPMENTS (CONTD.)

Port/Year	Mech. System		: utilisation of General Cargo handling equipments(average :no. of hours worked per month per equipment.)				
	Tonnes per worked day	Commodity	Elect. Wharf Cranes: 3-10 tonnes	Above 10 Tonnes	Mobile Cranes	Fork Lifts	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	
MORMUGAO							
Norms (1983)	32500	Iron Ore	300	300	250	300	
Performance							
1982-83	36784	"	154	-	77	34	
1983-84	43085	"	187	-	172	44	
1984-85	32946	"	255	-	200	45	
1985-86	33268	"	196	-	44	66	
1986-87	36025	"	164	-	55	58	
1987-88	45092	"	113	-	29	77	
1988-89	41065	"	186	-	79	96	
1989-90	38964	"	162	-	126	132	
1990-91	43544	"	93	-	51	50	
1991-92	53133	"	174	-	69	33	
NEW MANGALORE							
Norms (1983)	29700	"	300	300	250	300	
Performance							
1982-83	27357	"	43	-	59	18	
1983-84	28187	"	76	-	85	27	
1984-85	41228	"	28	-	78	27	
1985-86	28948	"	33	-	47	25	
1986-87	15944	"	9	-	49	23	
1987-88	17362	"	24	-	29	46	
1988-89	18434	"	10	-	26	35	
1989-90	19476	"	25	-	18	27	
1990-91	24774	"	18	-	22	28	
1991-92	24909	"	31	-	20	23	

2.6.9 UTILISATION OF CARGO HANDLING EQUIPMENTS (CONTD.)

: Mech. System		:Utilisation of General Cargo handling equipments(average :no. of hours worked per month per equipment.)					
Port/Year	Tonnes per :Commodity	Elect. Wharf Cranes:	Mobile	Fork Lifts			
:	worked day :	: 3-10 : Above	: Cranes				
:	:	: tonnes : 10 Tonnes	:				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	
COCHIN							
Norms (1983)	-	-	200	200	167	200	
Performance							
1982-83	-	-	128	-	145	154	
1983-84	-	-	131	-	125	164	
1984-85	-	-	126	-	116	141	
1985-86	-	-	93	-	162	150	
1986-87	-	-	81	-	131	120	
1987-88	-	-	68	-	158	122	
1988-89	-	-	67	-	142	116	
1989-90	-	-	99	-	158	123	
1990-91	-	-	71	-	159	121	
1991-92	-	-	50	-	115	134	
TUTICORIN							
Norms (1983)	-	-	300	300	250	300	
Performance							
1982-83	-	-	84	-	51	38	
1983-84	-	-	71	-	43	41	
1984-85	-	-	44	-	42	31	
1985-86	-	-	63	-	18	37	
1986-87	-	-	43	-	21	25	
1987-88	-	-	57	-	25	36	
1988-89	-	-	134	-	82	106	
1989-90	-	-	164	-	70	115	
1990-91	-	-	148	-	113	100	
1991-92	-	-	159	-	105	79	

2.6.9 UTILISATION OF CARGO HANDLING EQUIPMENTS (CONTD.)

Port/Year	Mech. System	Utilisation of General Cargo handling equipments (average :no. of hours worked per month per equipment.)					Fork Lifts
		Tonnes per : worked day :	Commodity :	Elect. Wharf Cranes : 3-10 : Above tonnes : 10 Tonnes	Mobile : Cranes		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	
MADRAS							
Norms (1983)	37000 \$	Iron Ore	300	300	250	300	
Performance							
1982-83	33889	"	451	*	292	308	
1983-84	41682	"	366	*	244	285	
1984-85	38156	"	338	*	285	298	
1985-86	39787	"	297	*	225	296	
1986-87	45826	"	295	*	262	281	
1987-88	44280	"	413	*	339	336	
1988-89	47910	"	435	*	322	336	
1989-90	56572	"	434	400	336	307	
1990-91	46299	"	404	358	350	309	
1991-92	44115	"	277	269	254	270	
VISA KHAPATNAM							
Norms (1983)	50000	Iron Ore	300	300	250	300	
Performance							
1982-83	59596	"	172	-	210	88	
1983-84	36899	"	200	-	230	222	
1984-85	31438	"	78	-	359	228	
1985-86	22325	"	254	-	275	209	
1986-87	32878	"	192	-	166	125	
1987-88	35139	"	124	-	170	154	
1988-89	41833	"	162	-	105	127	
1989-90	42393	"	188	-	174	134	
1990-91	33515	"	168	-	146	130	
1991-92	28964	"	187	-	85	134	

\$ Relates to vessels of capacity more than 35000 DWT.

* Included in 3-10 Tonnes.

@ 3 to 50 Tonnes.

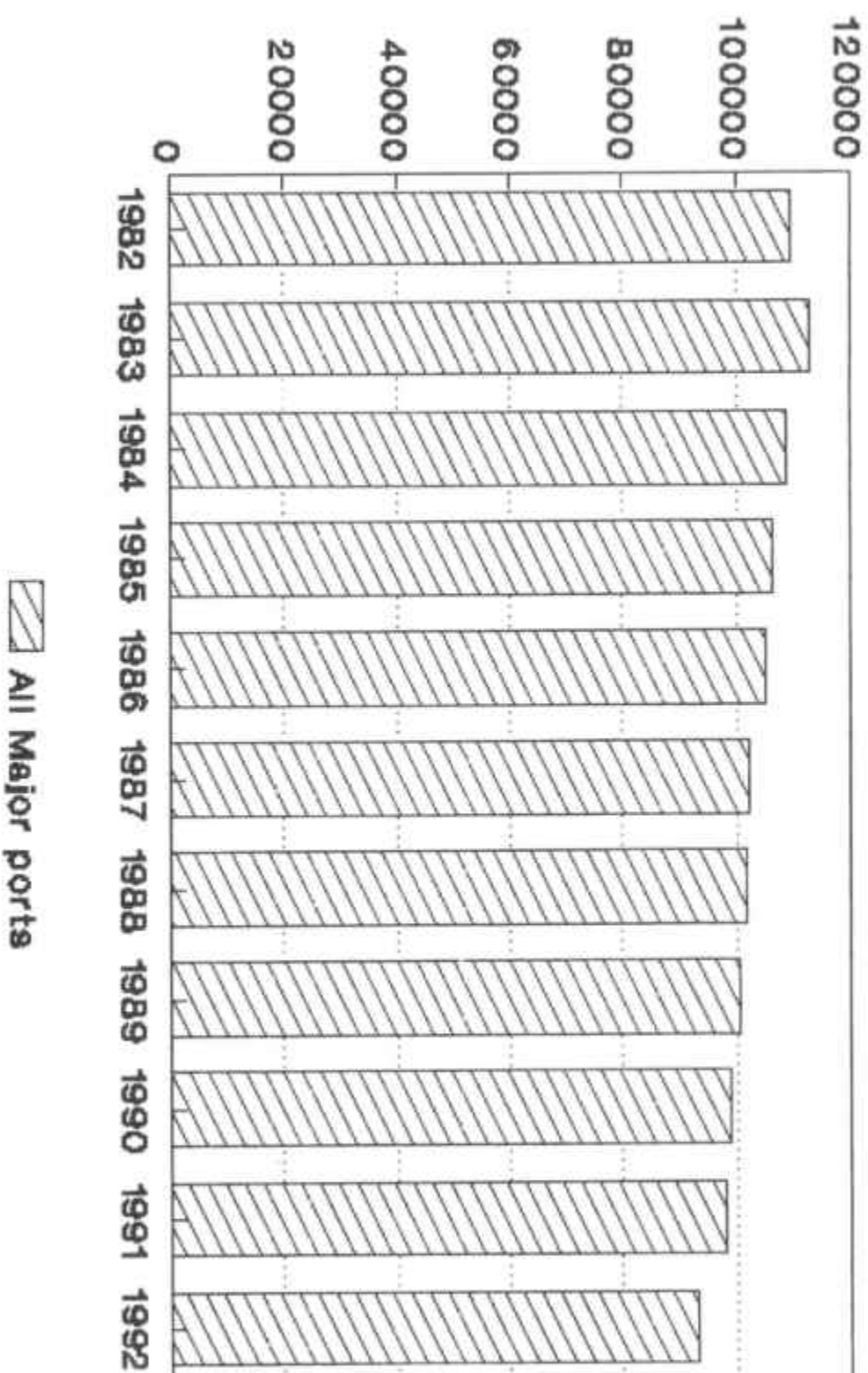
2.6.9 UTILISATION OF CARGO HANDLING EQUIPMENTS (CONTD.)

Port/Year	Mech. System	: Utilisation of General Cargo handling equipments (average : no. of hours worked per month per equipment.)				Fork Lifts
		Tonnes per : Commodity	Elect. Wharf Cranes	Mobile		
		worked day :	: 3-10 : Above :	Cranes :		
		:	tonnes : 10 Tonnes :			
(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
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	231	219	240
1989-90	-	"	2210	258	207	245
1990-91	-	"	1700	260	234	307
1991-92	-	"	1610	245	219	259

* There are no 3-10 tonnes crane.
 @ 2-10 Tonnes.

EMPLOYMENT AT PORTS (AS ON 31ST DECEMBER)

(Numbers)



**2.7.1 EMPLOYMENT AT PORTS - BY PORTS
(AS ON 31ST DECEMBER)**

(Numbers)

PORT	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Kandla	4079	4171	4702	4499	4713	4503	4537	4633	4603	4976	4927
Bombay	32572	34365	31830	31026	30736	30939	30987	30319	29349	28199	27327
J.L.Nehru	-	-	-	-	-	-	-	-	1137	1187	1386
Mormugao	3829	3556	3889	3855	3791	3681	3687	3646	3614	3582	3668
New Mangalore	1186	1224	1304	1273	1285	1304	1314	1312	1328	1330	1337
Cochin	6310	6405	6664	6010	6047	5950	5967	5868	5781	5533	5546
Tuticorin	2256	2249	2361	2253	2286	2298	2286	2284	2270	2268	2250
Madras	11780	12028	11892	11885	12128	11492	11469	11489	11346	11361	10318
Visakhapatnam	11059	11894	11701	11075	11950	11068	11013	10986	10848	11314	10227
Paradip	5624	5592	5530	5495	4803	5390	5590	5388	4841	4811	4834
Calcutta/ Haldia	31114	31498	29008	29066	27180	25619	24873	24658	23643	23394	21292
ALL MAJOR PORTS	109809	112982	108881	106437	104919	102244	101719	100583	98760	97955	93112

Note :- Number of officers in the 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)

(Numbers)

PORT	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
KANDLA	716	822	835	836	833	863	871	869	875	913	897
BOMBAY	8344	10972	10719	11869	10525	10354	10121	9903	7848	8137	6849
MORMUGAO	1191	1127	1120	1114	1109	1101	968	961	955	935	902
COCHIN	1205	1164	1131	1077	995	919	823	757	665	581	683
MADRAS	1672	1695	1876	1806	1689	1558	1483	1394	1341	1306	1108
VISAKHAPATNAM	938	841	869	851	841	816	685	665	641	611	706
CALCUTTA	8768	8096	7754	7410	7229	6885	6249	5941	5689	5272	4169
TOTAL	22834	24717	24304	24963	23221	22496	21200	20490	18014	17755	15314

2.7.3 NUMBER OF DOCK WORKERS LISTED WITH MAJOR PORTS
(AS ON 31ST DECEMBER)

PORT	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
KANDLA	1459	1329	1617	1599	54	-	-	-	-	-	-
BOMBAY	378	-	-	-	-	-	-	-	-	-	-
MORMUGAO	-	-	-	-	-	-	-	-	-	-	-
COCHIN	-	-	-	-	-	-	-	-	-	-	-
MADRAS	817	805	505	497	479	521	1497	1479	1445	1376	289
VISAKHAPATNAM	1884	1710	1586	1573	1558	1539	1538	1516	1502	1487	1483
CALCUTTA	-	-	-	-	-	-	-	-	-	-	-
TOTAL	4538	3844	3708	3669	2091	2060	3035	2995	2947	2863	1772

2.7.4 EMPLOYMENT AT PORTS - BY PORT & CLASSES
(As on 31st December, 1991 & 1992)

(In Numbers)

PORT	Number of Officers		Number of non-cargo handling workers		Number of cargo handling workers other than Shore workers		Number of shore workers		Number of casual workers		TOTAL
	I	II	III	IV	I	II	I	II	I	II	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	
Kandla	1991 131 1992 93	57 47	627 627	1955 1955	1085 1085	355 356	102 103	702 678	150 123	5164 5067	
Bombay	1991 070 1992 762	9 16	779 7130	9257 9415	4148 5567	4021 380	1402 00	6578 1670	- 77	28886 28105	
J.L. Nehru	1991 136 1992 179	1 1	1091 151	96 96	- 352	787	-	-	-	1324 1566	
Mormugao	1991 146 1992 139	76 50	545 562	1624 1647	1138 1130	225 295	-	50 34	-	3804 3857	
New Mangalore	1991 56 1992 64	53 64	187 210	509 497	609 580	-	-	-	25 50	1439 1465	
Cochin	1991 144 1992 125	73 79	967 962	1582 1561	1230 1469	1070 956	234 225	450 373	-	5750 5750	
Tuticorin	1991 75 1992 71	54 52	285 284	1065 1057	918 909	-	-	-	-	2397 2373	

2.7.4 EMPLOYMENT AT PORTS - BY PORT & CLASSES (Contd.)
(As on 31st December, 1991 & 1992)

(In Numbers)

PORT	Number of Officers		Number of non-cargo handling workers		Number of cargo handling workers other than Shore workers		Number of cargo handling workers of casual nature		Number of workers of shore work-ers		Number of workers of shore work-ers	
	I	II	III	IV	III	IV	III	IV	III	IV	III	IV
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Madras	1991 354	361	1975	3287	3926	779	302	1090	2	12076		
1992 329	261	2205	2562	3413	725	297		1116	-	10908		
Visakhapatnam	1991 221	151	1157	3606	2398	2023	914	1114	102	11686		
1992 232	149	1113	3316	2397	1940	873		490	98	10608		
Paradip	1991 86	117	436	1258	1317	-	-	1462	338	5014		
1992 86	117	436	1258	1317		-		1498	325	5037		
Calcutta/Haldia	1991 955	296	3215	8904	5337	2319	2011	1378	230	24645		
1992 919	364	2551	8521	5671	1877	1420		1028	224	22575		
Total	1991 2982	1248	13278	33143	22106	10792	4965	12824	847	102185		
1992 2999	1200	16231	31885	23890	7316	3006		9887	897	97311		

2.7.5 EMPLOYMENT AT DLB'S OF MAJOR PORTS
(AS ON 31ST DEC., 1991 & 1992)

(Numbers)

PORT	DLB	DLB Employment				Dock Workers			Grand Total		
		Class I	Class II	Class III	Class IV	Total Registered	Listed	Others			
										Total	:Registered
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	
Kandla	1991	2	3	60	12	77	913	-	-	913	990
	1992	2	2	66	13	83	897	-	-	897	980
Bombay	1991	31	2	511	353	897	8137	-	-	8137	9034
	1992	24	2	603	348	977	6849	-	-	6849	7826
Mormugao	1991	5	3	82	28	118	935	-	-	935	1053
	1992	6	3	80	29	118	902	-	-	902	1020
Cochin	1991	11	14	130	44	199	581	-	-	581	780
	1992	5	12	124	42	183	683	-	-	683	866
Madras	1991	33	17	426	96	572	1306	1376	-	2682	3254
	1992	33	13	382	97	525	1108	289	-	1397	1922
Visakhapatnam	1991	20	4	285	132	441	611	1487	-	2098	2539
	1992	16	5	272	119	412	706	1483	-	2169	2601
Calcutta	1991	29	20	689	454	1192	5272	-	-	5272	6464
	1992	22	18	569	360	969	4169	-	-	4169	5138
All DLB's	1991	131	63	2183	1119	3496	17755	2863	-	20618	24114
	1992	108	55	2096	1008	3267	15314	1772	-	17086	20353

2.7.6 PERCENTAGE OF MANDAYS LOST OUT OF MANDAYS EMPLOYMENT DURING 1987 - 1992

PORT	1987			1988			1989			1990			1991			1992		
	Man- days emplo- (in '000)	(2)	(3)	Man- days lost per 1000 mandays yed (in '000)	(4)	(5)	Man- days lost per 1000 mandays yed (in '000)	(6)	(7)	Man- days lost per 1000 mandays yed (in '000)	(8)	(9)	Man- days lost per 1000 mandays yed (in '000)	(10)	(11)	Man- days lost per 1000 mandays yed (in '000)	(12)	(13)
Kandla	1610	Neg.		1622	Neg.		1651		17	1643		3.6	1767		0.3	1747		-
Ecmbay	12388	11		12332.	1		12067		19	11159		0.5	10901		0.4	10253		0.2
Mormugao	1435	Neq.		1395	?		1302		28	1311		0.2	1355		0.3	1371		-
N.Mangalore	391	3		394	18		394		97	398		47.1	399		0.2	401		0.1
Cochin	2061	Neg.		2037	Neg.		1987		22	1934		0.6	1834		1.8	1869		2.7
Tuticorin	689	Neg.		686	6		685		20	681		3.9	680		4.6	675		-
Madras	4071	1		4335	1		4309		23	4240		1.9	4213		3.3	3515		1.6
Visakhapatnam	4027	Neg.		3971	Neg.		3950		20	3897		0.1	4024		0.4	3725		0.7
Paradip	1617	18		1677	-		1616		18	1452		-	1443		0.9	1450		-
Calcutta/Haldia	9751	1		9337	2		9180		15	8800		0.1	8600		1.5	7638		0.2
TOTAL	38040	5		37786	1		37221		20	35575		1.2	35216		1.2	32644		0.5

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

2.8.1 REVENUE AND EXPENDITURE AT MAJOR PORTS

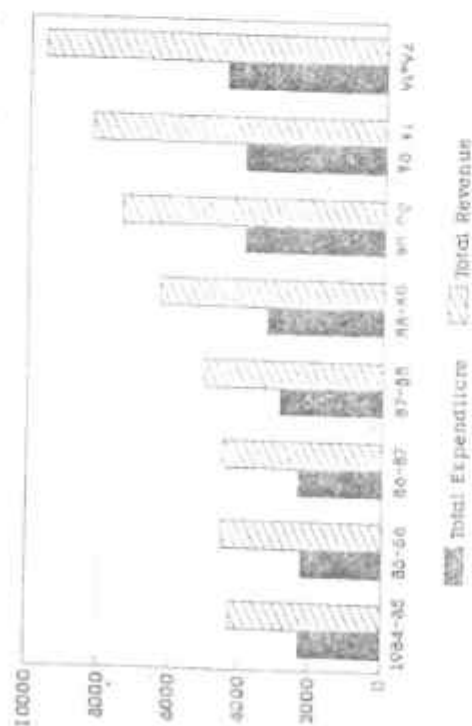
(Rs. in lakhs)

Port/Year	Total : Revenue	Total : Expenditure	Port & Dock : Including Pilotage	Cargo handled : and warehousing	Railways	Land and Building	Finance : and Misc.	Management : General					
	: Revenue	: Exp.	: Revenue	: Exp.	: Revenue	: Exp.	: Revenue	: Exp.					
(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	591	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	862	276	433
1987-88	5072	2879	1458	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	8248	3931	2342	1817	3851	779	-	4	246	268	1809	332	731
1991-92	9553	4490	2535	2126	4411	835	-	4	259	293	2348	452	780
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	22147	14118	2713	2593	10893	5728	192	763	2624	688	5725	2438	1908
1987-88	23723	16761	3103	3251	12046	6421	189	844	2680	803	5705	3187	2255
1988-89	29228	18909	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	18608	7739	230	1111	1087	1318	3144	3399	3187
1991-92	31718	26394	4280	4214	19349	8596	255	1184	1680	1705	6154	7010	3685
JAMNABHARATI, 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	8494	6542	1019	833	5916	3206	-	14	376	244	1183	1099	1146

REVENUE AND EXPENDITURE

REVENUE AND EXPENDITURE AT KANDLA PORT

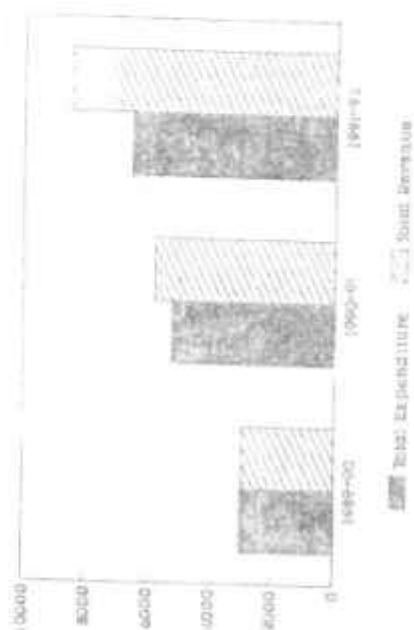
(Rs. in Lakhs)



210-8218

REVENUE AND EXPENDITURE AT JLN NERUL PORT

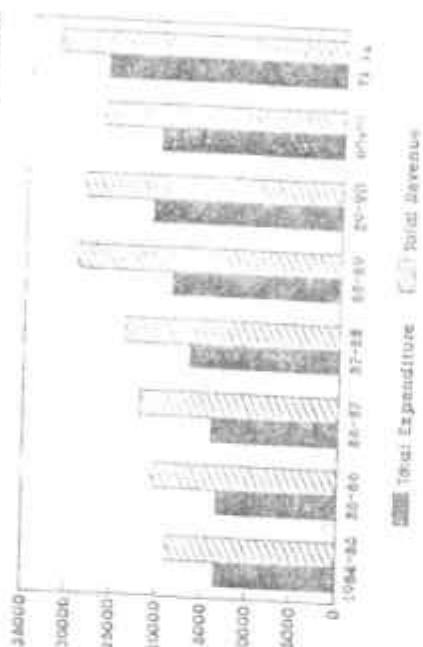
(Rs. in Lakhs)



210-8218

REVENUE AND EXPENDITURE AT BOMBAY PORT

(Rs. in Lakhs)



210-8218

REVENUE AND EXPENDITURE AT MORMUGAO PORT

(Rs. in Lakhs)



210-8218

2.8.1. REVENUE AND EXPENDITURE AT MAJOR PORTS (CONTD.)
(Rs. in lakhs)

Port/Year	Total : Revenue	Total : Expenditure	Port & Dock : Including Pilotage	Cargo handled : and warehousing	Railways	Land and Building	Finance and Misc.	Management & General					
	Revenue	Exp.	Revenue	Exp.	Revenue	Exp.	Revenue	Exp.					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
MORMUGAO													
1984-85	3826	3034	891	794	2603	906	31	68	84	45	217	793	428
1985-86	4168	3282	954	719	2712	1044	36	60	78	59	388	900	500
1986-87	4257	3672	900	978	2845	1311	30	74	70	78	412	725	506
1987-88	4058	3421	781	763	2713	1093	39	87	72	75	453	841	562
1988-89	5160	3836	934	793	3418	1246	46	95	99	83	633	918	701
1989-90	5339	3889	950	810	3560	1294	39	95	110	111	680	849	730
1990-91	5785	4472	1004	897	3712	1513	46	94	104	118	919	1043	807
1991-92	5993	4966	985	1070	3703	1556	42	104	107	139	1156	1125	972
NEW MANGALORE													
1984-85	1201	1023	247	453	660	108	3	3	157	22	134	179	258
1985-86	1411	1316	350	594	784	134	3	5	177	37	97	275	271
1986-87	1915	1591	448	651	1106	143	4	8	232	33	125	471	285
1987-88	2083	1795	487	740	1211	156	3	10	263	37	119	476	376
1988-89	2604	1653	522	518	1417	171	1	9	315	42	349	511	402
1989-90	2603	2217	540	934	1496	197	1	24	323	53	243	506	503
1990-91	3315	2209	641	794	1928	220	neg	5	466	62	280	598	530
1991-92	3667	2715	734	1260	2028	265	neg	11	447	63	458	451	665

2.8.1 REVENUE AND EXPENDITURE AT MAJOR PORTS (CONTD.)

(Rs. in lakhs)

Port/Year	Total : Revenue	Total : Expen- : diture	Port & Dock : including Pilotage	Cargo handled : and ware- : housing	Railways	Land and : Building	Finance : and : Hise.	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	4068	909	1288	2410	701	-	15	222	78	178	1020	966
1987-88	3626	3908	880	984	2387	759	-	12	210	97	149	1096	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
TUTICORIN													
1984-85	1243	1029	210	198	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	88	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	186	550	506	1936	447	72	68	147	123	341	407	535

REVENUE AND EXPENDITURE

REVENUE AND EXPEND. AT N. MANGLORE PORT

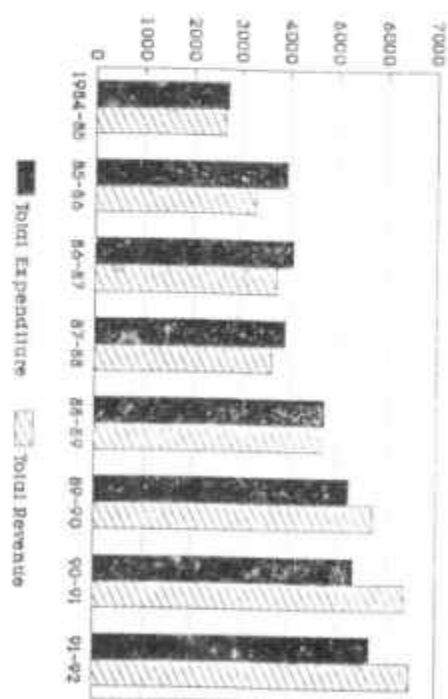
(Rs. in Lakhs)



NIC-RTD

REVENUE AND EXPEND. AT COCHIN PORT

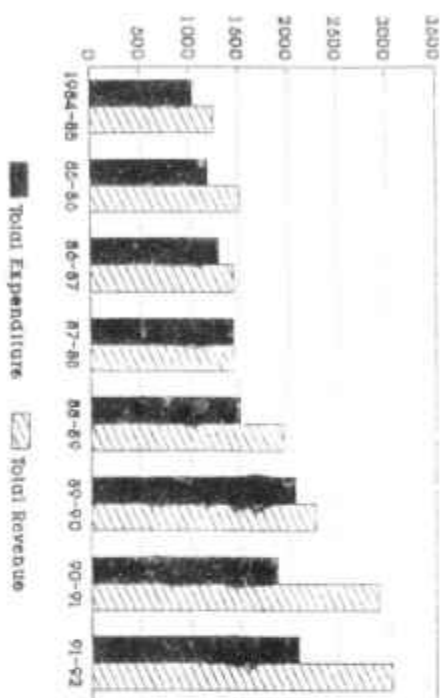
(Rs. in Lakhs)



NIC-RTD

REVENUE AND EXPEND. AT TUTICORIN PORT

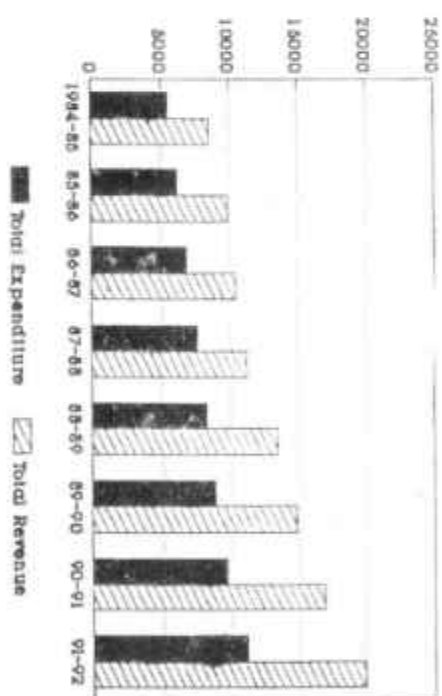
(Rs. in Lakhs)



NIC-RTD

REVENUE AND EXPEND. AT MADRAS PORT

(Rs. in Lakhs)



NIC-RTD

2.8.1 REVENUE AND EXPENDITURE AT MAJOR PORTS (CONTD.) (Rs. in lakhs)

Port/Year	Total : Revenue :	Total : Expen- : diture :	Port & Dock : including Pilotage :	Cargo handled : and ware- : housing :	Railways :	Land and : Building :	Finance : and : Misc. :	Manage- : ment & : General : Admn. :					
	: Revenue :	: Expen- : diture :	: including Pilotage :	: and ware- : housing :	: Railways :	: Building :	: Finance : and : Misc. :	: Manage- : ment & : General : Admn. :					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
MADRAS													
1984-85	8549	5580	1287	826	6341	2274	477	354	38	80	406	945	1101
1985-86	9869	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	166	93	2605	1778	2608
1991-92	19947	11218	3055	1594	11172	3722	1630	719	208	98	3882	2157	2928
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	776	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

2.8.1 REVENUE AND EXPENDITURE AT MAJOR PORTS (CONTD.)

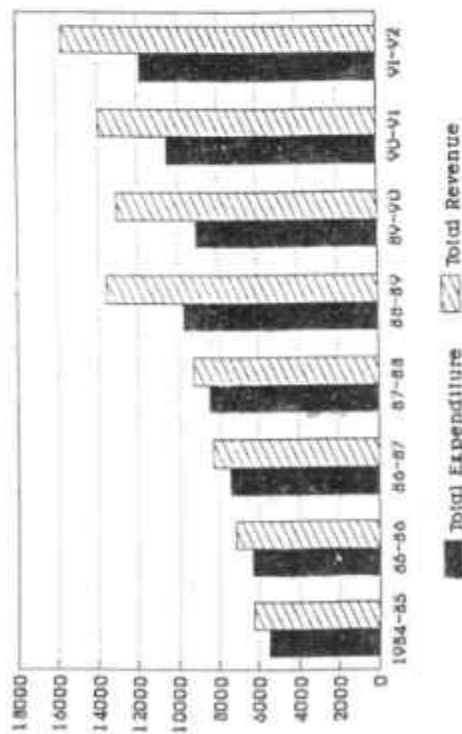
(Rs. in lakhs)

Port/Year	Total : Revenue	Total : Expenditure	Port & Dock : Including Pilotage	Cargo handled : warehousing	Railways	Land and Building	Finance : and Misc.	Management & General					
	: Revenue	: Exp.	: Revenue	: Exp.	: Revenue	: Exp.	: Revenue	: Exp.					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
PARADIP													
1984-85	1801	2826	169	929	1164	515	65	70	73	148	330	663	501
1985-86	3004	3416	441	1014	1999	754	112	83	88	190	364	806	569
1986-87	4309	4568	793	782	2696	1088	324	240	95	233	401	1633	592
1987-88	4847	5015	842	927	2785	1061	397	258	124	228	699	1862	679
1988-89	5522	4992	905	666	3343	1312	420	312	160	301	694	1676	775
1989-90	6709	5906	1143	719	4068	1313	514	433	313	363	671	2224	854
1990-91	8782	7109	1632	852	5098	1446	732	386	163	420	1157	3003	1002
1991-92	9893	8347	1595	1084	5072	1823	764	486	526	504	1936	3346	1104
HALDIA													
1984-85	4871	4206	2180	1716	2007	553	196	206	136	174	352	1029	528
1985-86	5547	4452	2318	1906	2445	608	268	248	146	132	370	835	723
1986-87	6518	5034	2541	2159	2725	661	376	281	156	275	720	913	745
1987-88	6934	5988	2821	2627	2824	705	510	731	159	283	620	849	793
1988-89	9993	6151	3157	2302	5101	980	594	665	232	292	909	1023	889
1989-90	11064	6474	3541	2694	5334	1163	669	685	262	357	1258	618	957
1990-91	12370	7638	4237	2957	5735	1399	790	626	347	398	1261	1081	1177
1991-92	14842	10549	5543	4869	6122	1423	972	620	440	518	1765	1762	1357

REVENUE AND EXPENDITURE

REVENUE AND EXPEND. AT VIZAG PORT

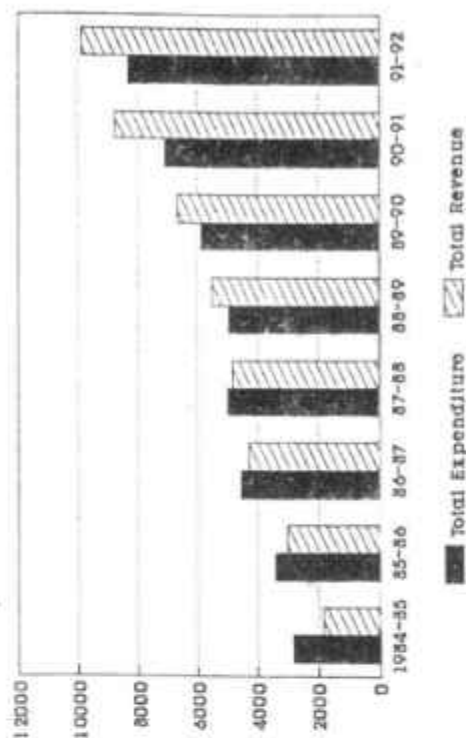
(Rs. in Lakhs)



NIC-RTD

REVENUE AND EXPEND. AT PARADIP PORT

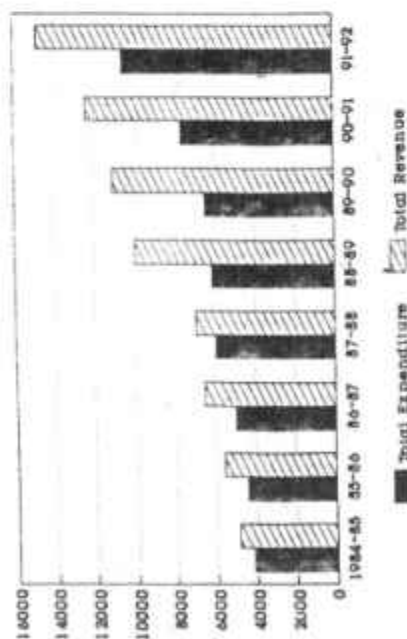
(Rs. in Lakhs)



NIC-RTD

REVENUE AND EXPEND. AT HALDIA PORT

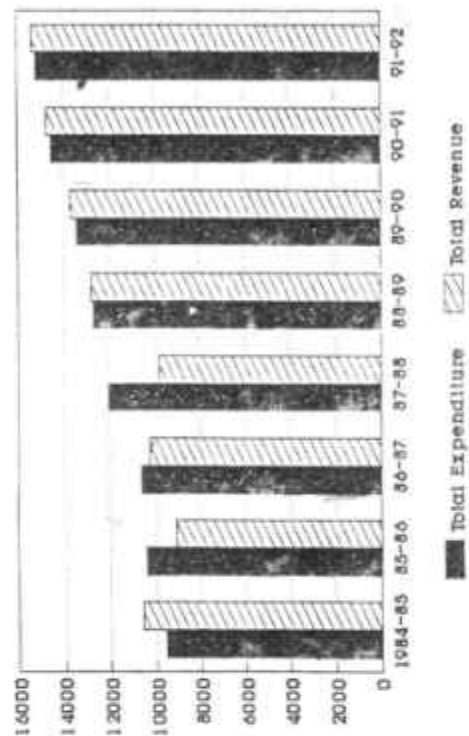
(Rs. in Lakhs)



NIC-RTD

REVENUE AND EXPEND. AT CALCUTTA PORT

(Rs. in Lakhs)



NIC-RTD

2.8.1 REVENUE AND EXPENDITURE AT MAJOR PORTS (CONTD.)

(Rs. in lakhs)

Port/Year	Total : Revenue	Total : Expenditure	Port & Dock : including Pilotage	Cargo handled : and warehousing	Railways	Land and Building	Finance and Misc.	Management & General	Admn.				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
CALCUTTA													
1984-85	10590	9565	2167	2497	6688	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	13611	13416	2026	2691	8766	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
ALL PORTS													
1984-85	64198	51224	12922	12501	37920	14079	1745	2804	4525	1662	7086	11470	8708
1985-86	70274	56165	14918	13911	40353	15496	2006	3157	4733	1772	8264	11924	9905
1986-87	77771	61665	15579	14978	43983	17334	2740	3468	4657	2043	10812	12970	10872
1987-88	82138	69403	17307	16344	44486	18595	3405	3885	4952	2295	11988	16030	12254
1988-89	105277	75729	19666	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	29040	6236	5831	6397	4630	24900	25097	20321

(Rs. in lakhs)

(173)

2.8.2 NET AND OPERATING SURPLUS AT MAJOR PORTS (COMTD).
(Rs. in lakhs)

			J.L.	Mormu-	New				Visa-	Para-					
			Kandla:	Bombay:	Nehru:	gao	Manga-	Cochin:	Tuti-	Madras:	khapa-	dip	Haldia:	Cal-	All
							lore		corin:		tnam		cutta:	Ports	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)		

4. 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		

2.8.3 INCOME COST AND SURPLUS/DEFICIT PER TONNE OF CARGO HANDLED

(In Rs.)

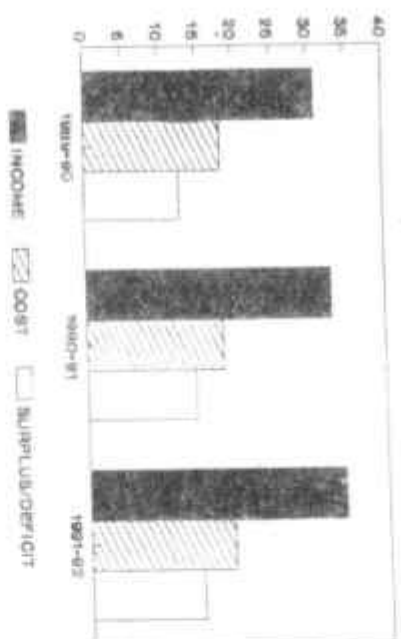
PORT	INCOME			COST			SURPLUS/DEFICIT		
	1989-90	1990-91	1991-92	1989-90	1990-91	1991-92	1989-90	1990-91	1991-92
(1)	(3)	(4)	(5)	(7)	(8)	(9)	(11)	(12)	(13)
Kandla	30.89	32.71	34.30	18.32	18.28	19.23	12.57	14.43	15.07
Bombay	74.13	74.22	86.87	46.59	66.95	87.44	27.54	7.27	(-)0.57
J.L. Nehru	364.46	261.57	301.00	413.79	226.65	238.76	(-)49.33	34.92	62.24
Mormugao	37.69	38.82	36.69	27.45	30.01	32.89	10.24	8.81	3.80
New Mangalore	33.98	41.27	44.32	28.93	27.50	32.82	5.05	13.77	11.50
Cochin	77.00	88.41	86.86	74.00	73.94	75.75	3.00	14.47	11.11
Tuticorin	42.71	57.31	51.92	38.93	37.05	35.56	3.78	20.26	16.36
Madras	61.95	69.18	79.63	37.10	39.61	44.78	24.85	29.57	34.85
Visakhapatnam	57.98	60.89	62.69	42.88	54.30	55.11	15.10	6.59	7.58
Paradip	108.56	127.64	135.52	95.50	103.33	114.34	13.06	24.31	21.18
Calcutta*	168.40	177.77	189.37	135.41	145.29	161.31	32.99	32.48	28.06

* Includes Haldia.

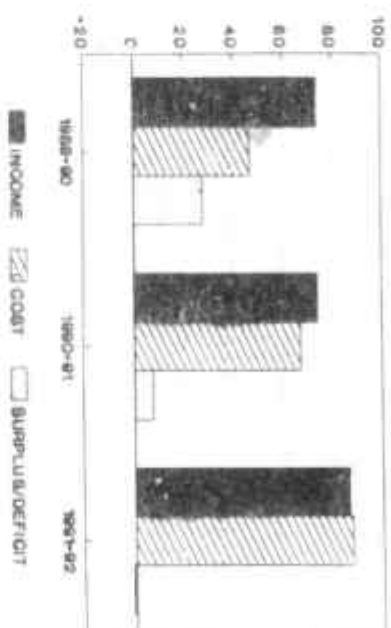
Source: Indian Ports Association.

INCOME COST AND SURPLUS/DEFICIT PER TONNE OF CARGO HANDLED

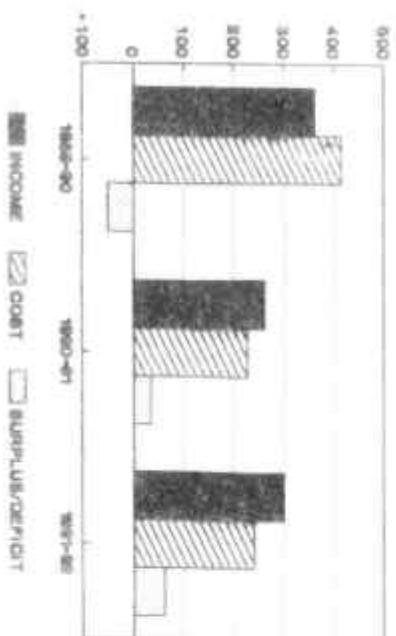
INCOME COST AND SURPLUS/DEFICIT PER TONNE OF CARGO HANDLED AT KANDLA PORT



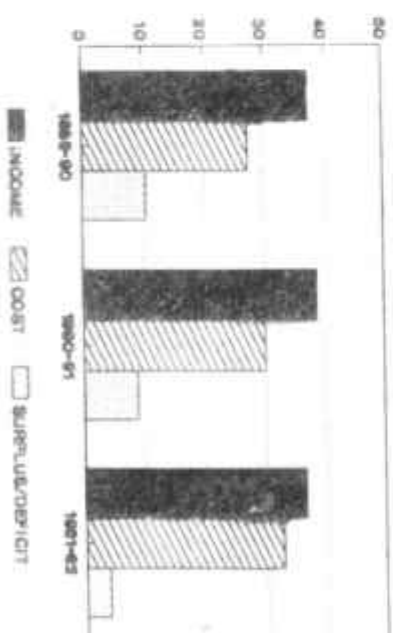
INCOME COST AND SURPLUS/DEFICIT PER TONNE OF CARGO HANDLED AT BOMBAY PORT



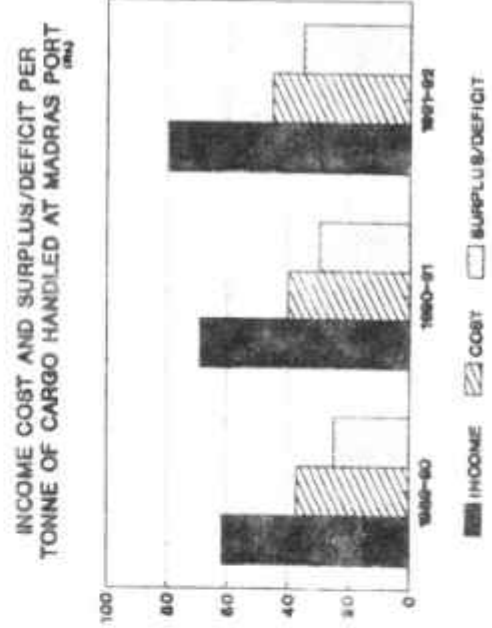
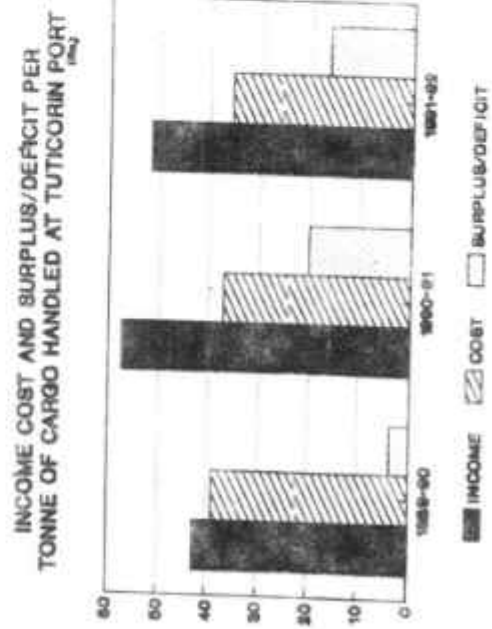
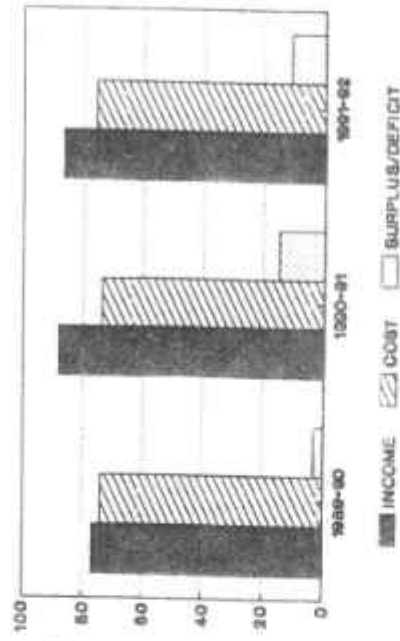
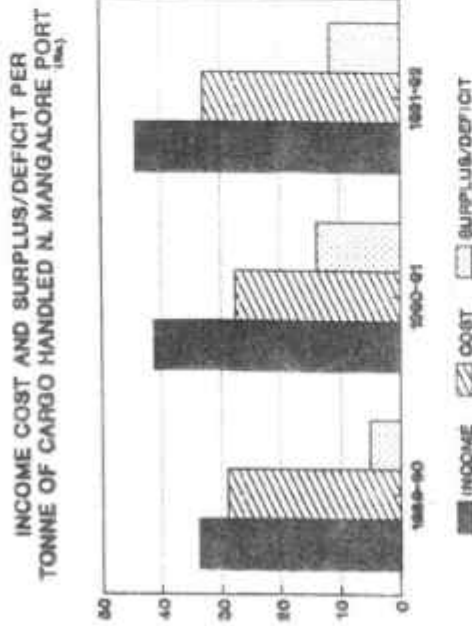
INCOME COST AND SURPLUS/DEFICIT PER TONNE OF CARGO HANDLED AT JLN NEHRU PORT



INCOME COST AND SURPLUS/DEFICIT PER TONNE OF CARGO HANDLED AT MORMUGAO PORT

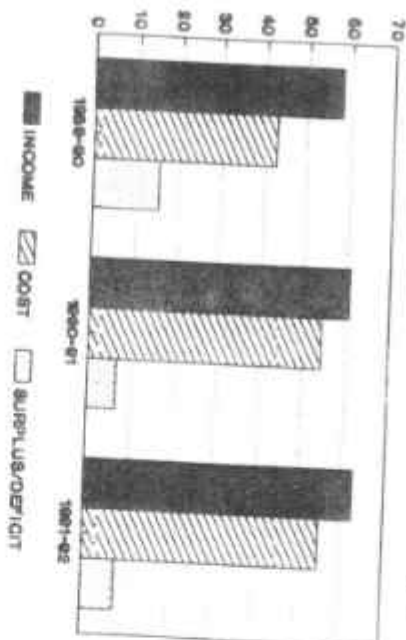


INCOME COST AND SURPLUS/DEFICIT PER TONNE OF CARGO HANDLED

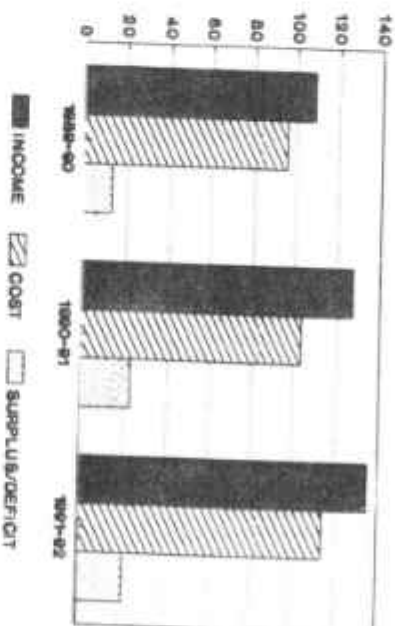


INCOME COST AND SURPLUS/DEFICIT PER TONNE OF CARGO HANDLED

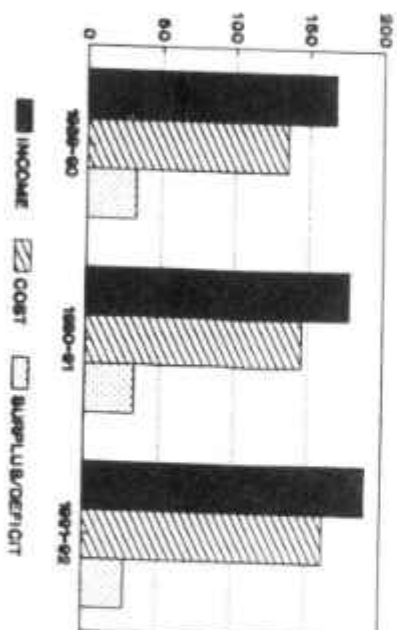
INCOME COST AND SURPLUS/DEFICIT PER
TONNE OF CARGO HANDLED AT VIZAG PORT
(Rs.)



INCOME COST AND SURPLUS/DEFICIT PER
TONNE OF CARGO HANDLED AT PARADIP PORT
(Rs.)



INCOME COST AND SURPLUS/DEFICIT PER
TONNE OF CARGO HANDLED AT CAL/HAL PORT
(Rs.)



SECTION - III

MINOR/INTERMEDIATE PORTS

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

3.1.1 GROWTH OF CARGO TRAFFIC HANDLED AT MINOR/INTERMEDIATE PORTS

(in '000 tonnes)

Year	OVERSEAS			COASTAL			OVERSEAS & COASTAL		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
1960-61	305	6589	6894	1027	1454	2481	1332	8043	9375
1965-66	1264	1583	3847	1668	2191	3859	1932	4774	7706
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	1642	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	5105	4516	6621
1985-86	3873	2887	6760	1034	1261	2295	4909	4146	9055
1986-87	3055	3107	6162	1052	1154	2206	4107	4268	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

3.1.2 - STATE-WISE CARGO (OVERSEAS/COASTAL) AT MINOR/INTERMEDIATE PORTS
(in '000 tonnes)

Year	Gujarat	Mahara- shtra	Goa	Daman & Diu	Karna- taka	Kerala	Tamil- Nadu	Pondi- cherry	Andhra- Pradesh	Orissa	Sea- Islands	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
OVERSEAS												
1965-66	1523	332	...	...	734	166	664	52	376	-	...	3847
1970-71	1454	559	-	-	750	194	615	188	560	-	...	4260
1975-76	2136	807	-	-	462	253	294	392	538	-	-	4882
1980-81	2193	1171	-	-	824	29	193	49	844	-	-	5303
1985-86	3032	1268	2	-	753	68	445	118	1074	-	-	6760
1986-87	3034	1238	4	-	667	50	255	50	861	3	-	6162
1987-88	2427	361	Neg.	-	250	41	84	-	699	30	...	3872
1988-89	3878	620	...	-	504	272	306	413	1138	22	...	7153
1989-90	5031	1071	...	-	489	120	375	229	1374	68	...	8758
1990-91	4638	599	1	-	418	86	227	70	1124	61	-	7224
1991-92	4982	213	-	-	205	86	185	53	1180	150	-	7054
COASTAL												
1965-66	1740	544	...	...	472	257	840	-	6	-	...	3859
1970-71	1212	359	...	...	415	138	304	-	-	-	...	2428
1975-76	966	180	13	12	303	71	9	-	-	-	68	1622
1980-81	587	202	8	7	244	162	-	-	5	-	214	1429
1985-86	1533	332	Neg.	4	106	43	35	-	-	-	242	2295
1986-87	1455	294	1	3	153	40	-	-	-	-	260	2246
1987-88	1467	320	Neg.	3	167	41	-	-	-	-	288	1826
1988-89	1469	242	...	1	151	32	-	-	-	-	278	1921
1989-90	1596	268	...	1	164	37	1	-	-	-	328	2098
1990-91	2332	329	-	Neg.	193	44	Neg.	-	-	-	317	3215
1991-92	3327	319	12	Neg.	178	44	-	-	-	-	337	4217
TOTAL												
1965-66	3263	876	...	...	1206	423	1504	52	382	-	...	7706
1970-71	2666	918	...	...	1165	332	919	188	500	-	...	6688
1975-76	3102	987	13	12	765	324	303	392	538	-	68	6504
1980-81	2780	1373	8	7	1068	191	193	49	849	-	214	6732
1985-86	4565	1600	2	4	859	111	480	118	1074	-	242	9055
1986-87	4489	1532	5	3	820	90	255	50	861	3	260	8368
1987-88	3894	681	Neg.	3	417	82	84	-	699	30	288	5918
1988-89	5347	862	...	1	655	304	306	413	1138	22	278	9074
1989-90	6627	1339	...	1	653	157	376	229	1374	68	328	10856
1990-91	6970	928	1	-	611	130	227	70	1124	61	317	10439
1991-92	8309	532	12	-	383	130	185	53	1180	150	337	11271

* Figures pertain to only Lakshadweep.

3.1.3 - STATE-WISE CARGO (UNLOADED & LOADED) AT MINOR/INTERMEDIATE PORTS

(in '000 tonnes)

Year	Gujarat	Manera- shttra	Goa	Daman & Diu	Karna- taka	Kerala	Tamil- Nadu	Pondi- Cherry	Andhra- Pradesh	Orissa	Sea Islands	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
UNLOADED												
1965-66	1602	244	...	...	125	188	661	-	92	-	...	2932
1970-71	705	119	...	...	137	179	381	188	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	666	-	116	4907
1986-87	2648	279	-	3	353	15	187	50	438	-	134	4107
1987-88	2159	339	Neg.	3	72	9	36	-	262	-	27	2907
1988-89	3102	239	...	1	356	175	258	413	659	-	27	5229
1989-90	3495	254	...	1	344	40	326	229	642	26	31	5388
1990-91	3650	328	-	Neg.	271	9	217	70	504	50	235	5334
1991-92	4258	305	6	Neg.	223	9	182	53	402	118	238	5794
LOADED												
1965-66	1661	632	...	...	1081	235	823	52	290	-	...	4774
1970-71	1961	799	...	...	1028	153	538	-	469	-	...	4948
1975-76	1883	893	3	9	608	111	108	-	448	-	28	4091
1980-81	1288	1243	1	4	817	171	92	-	518	-	100	4234
1985-86	1701	1294	2	Neg.	423	99	95	Neg.	408	-	126	4148
1986-87	1841	1253	5	-	467	75	68	-	423	3	126	4261
1987-88	1735	342	-	-	345	73	48	-	437	30	1	3011
1988-89	2245	623	...	-	299	129	48	-	479	22	Neg.	3845
1989-90	3132	1085	...	-	309	117	50	-	732	42	1	5468
1990-91	3320	600	1	-	340	121	10	-	620	11	82	5105
1991-92	4051	227	6	-	160	121	3	-	778	32	99	5477
TOTAL												
1965-66	3263	876	...	...	1206	423	1504	52	382	-	-	7706
1970-71	2666	918	...	...	1165	332	919	188	500	-	-	6688
1975-76	3102	987	13	12	765	324	303	392	538	-	68	6504
1980-81	2780	1373	8	7	1068	191	193	49	849	-	214	6732
1985-86	4565	1600	2	4	859	111	480	118	1074	-	242	9055
1986-87	4489	1532	5	3	820	90	255	50	861	3	260	8368
1987-88	3894	681	Neg.	3	417	82	84	-	699	30	28	5918
1988-89	5347	862	...	1	655	304	306	413	1138	22	27	9074
1989-90	6627	1339	...	1	653	157	376	229	1374	68	32	10856
1990-91	6970	928	1	-	611	130	227	70	1124	61	317	10439
1991-92	8309	532	12	-	383	130	185	53	1180	150	337	11271

Note:- The traffic in respect of Sea Islands from the year 1987-88 to 89-90 pertain only to Lakshadweep.

3.1.4 TREND OF TRAFFIC HANDLED AT MINOR/INTERMEDIATE PORTS (STATE-WISE) (Contd.)
(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.
Daman & Diu									
1965-66	...	...	...	...	...	...	...	...	...
1970-71	-	-	-	3	9	12	3	9	12
1975-76	-	-	-	3	4	7	3	4	7
1980-81	-	-	-	3	4	7	3	4	7
1985-86	-	-	-	4	Neg.	4	4	Neg.	4
1986-87	-	-	-	3	-	3	3	-	3
1987-88	-	-	-	3	-	3	3	-	3
1988-89	-	-	-	1	-	1	1	-	1
1989-90	-	-	-	1	-	1	1	-	1
1990-91	-	-	-	Neg.	-	Neg.	Neg.	-	Neg.
1991-92	-	-	-	Neg.	-	Neg.	Neg.	-	Neg.
KARNATAKA									
1965-66	16	718	734	109	363	472	125	1081	1206
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	293	374	667	60	93	153	353	467	820
1987-88	18	232	250	54	113	167	72	345	417
1988-89	285	219	504	71	80	151	356	299	655
1989-90	250	239	489	94	70	164	344	309	653
1990-91	159	259	418	112	81	193	271	340	611
1991-92	116	89	205	107	71	178	223	160	383
KERALA									
1965-66	123	43	166	65	192	257	188	235	423
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	20	171	191
1985-86	-	68	68	12	31	43	12	99	111
1986-87	7	43	50	8	32	40	15	75	90
1987-88	-	41	41	9	32	41	9	73	82
1988-89	171	101	272	4	28	32	175	129	304
1989-90	36	84	120	4	33	37	40	117	157
1990-91	Neg.	86	86	9	35	44	9	121	130
1991-92	Neg.	86	86	9	35	44	9	121	130

3.1.4 TREND OF TRAFFIC HANDLED AT MINOR/INTERMEDIATE PORTS (STATE-WISE) (Contd.)
(in '000 tonnes)

STATES/U.T.	OVERSEAS			COASTAL			OVERSEAS & COASTAL		
	Unloaded		Loaded	Unloaded		Total	Unloaded		Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
TAMIL NADU									
1965-66	205	459	664	476	364	840	681	823	1504
1970-71	213	402	615	168	136	304	381	538	919
1975-76	191	103	294	4	5	9	195	108	303
1980-81	101	92	193	-	-	-	101	92	193
1985-86	385	60	445	-	35	35	385	95	480
1986-87	187	68	255	-	-	-	187	68	255
1987-88	36	48	84	-	-	-	36	48	84
1988-89	258	48	306	-	Neg.	Neg.	258	48	306
1989-90	326	49	375	-	1	1	326	50	376
1990-91	217	10	227	Neg.	-	Neg.	217	10	227
1991-92	182	3	185	-	-	-	182	3	185
PONDICHERY									
1965-66	-	52	52	-	-	-	-	52	52
1970-71	188	-	188	-	-	-	188	-	188
1975-76	392	-	392	-	-	-	392	-	392
1980-81	49	-	49	-	-	-	49	-	49
1985-86	118	-	118	-	-	-	118	Neg.	118
1986-87	50	-	50	-	-	-	50	-	50
1987-88	-	-	-	-	-	-	-	-	-
1988-89	413	-	413	-	-	-	413	-	413
1989-90	229	-	229	-	-	-	229	-	229
1990-91	70	-	70	-	-	-	70	-	70
1991-92	53	-	53	-	-	-	53	-	53
ANDHRA PRADESH									
1965-66	92	284	376	-	6	6	92	290	382
1970-71	31	469	500	-	-	-	31	469	500
1975-76	90	448	538	-	-	-	90	448	538
1980-81	326	518	844	5	-	5	331	518	849
1985-86	666	408	1074	-	-	-	666	408	1074
1986-87	438	423	861	-	-	-	438	423	861
1987-88	262	437	699	-	-	-	262	437	699
1988-89	659	479	1138	-	-	-	659	479	1138
1989-90	642	732	1374	-	-	-	642	732	1374
1990-91	504	620	1124	-	-	-	504	620	1124
1991-92	402	778	1180	-	-	-	402	778	1180

3.1.4 TREND OF TRAFFIC HANDLED AT MINOR/INTERMEDIATE PORTS (STATE-WISE) (Contd.)
(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									
1965-66	-	-	-	-	-	-	-	-	-
1970-71	-	-	-	-	-	-	-	-	-
1975-76	-	-	-	-	-	-	-	-	-
1980-81	-	-	-	-	-	-	-	-	-
1985-86	-	-	-	-	-	-	-	-	-
1986-87	-	3	3	-	-	-	-	3	3
1987-88	-	30	30	-	-	-	-	30	30
1988-89	-	22	22	-	-	-	-	22	22
1989-90	26	42	68	-	-	-	26	42	68
1990-91	50	11	61	-	-	-	50	11	61
1991-92	118	32	150	-	-	-	118	32	150
SEA ISLANDS									
ANDAMAN GROUP (I)									
1965-66	-	-	-	-	-	-	...	...	...
1970-71	-	-	-	-	-	-	...	...	...
1975-76	-	-	-	-	28	56	...	28	56
1980-81	-	3	3	104	95	199	104	98	202
1985-86	-	-	-	103	126	229	103	126	229
1986-87	-	-	-	103	126	229	103	126	229
1987-88	...	...	...	...	...	...	...	...	...
1988-89	...	...	...	...	...	...	...	...	...
1989-90	...	...	...	...	...	...	...	...	...
1990-91	...	...	...	202	77	279	202	77	279
1991-92	-	-	-	205	94	299	205	94	299
LAKSHADWEEP (II)									
1965-66	-	-	-	-	-	-	...	...	...
1970-71	-	-	-	-	-	-	...	...	...
1975-76	-	-	-	12	-	12	...	...	...
1980-81	-	-	-	10	2	12	10	2	12
1985-86	-	-	-	13	-	13	13	-	13
1986-87	-	-	-	31	-	31	31	-	31
1987-88	-	-	-	27	1	28	27	1	28
1988-89	-	-	-	27	Neg.	27	27	Neg.	27
1989-90	-	-	-	31	1	32	31	1	32
1990-91	-	-	-	33	5	38	33	5	38
1991-92	-	-	-	33	5	38	33	5	38

3.1.4 TREND OF TRAFFIC HANDLED AT MINOR/INTERMEDIATE PORTS (STATE-WISE) (Contd.)

(in '000 tonnes)

STATES/U.T.	OVERSEAS			COASTAL			OVERSEAS & COASTAL		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
SEA ISLANDS(I + II)									
1965-66	-	-	-	-	-	-	-	-	-
1970-71	-	-	-	-	-	-	-	-	-
1975-76	-	-	-	40	28	68	40	28	68
1980-81	-	3	3	114	97	211	114	100	214
1985-86	-	-	-	116	126	242	116	126	242
1986-87	-	-	-	134	126	260	134	126	260
1987-88	-	-	-	27	1	28	27	1	28
1988-89	-	-	-	27	Neg.	27	27	Neg.	27
1989-90	-	-	-	31	1	32	31	1	32
1990-91	-	-	-	235	82	317	235	82	317
1991-92	-	-	-	238	99	337	238	99	337
TOTAL									
1965-66	1264	2583	3847	1668	2191	3859	2932	4774	7706
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
1985-86	3873	2887	6760	1034	1261	2295	4907	4148	9055
1986-87	3055	3107	6162	1052	1154	2206	4107	4261	8368
1987-88	1951	1941	3892	956	1070	2026	2907	3011	5918
1988-89	4263	2890	7153	967	955	1922	5230	3845	9075
1989-90	4244	4513	8757	1144	955	2099	5388	5468	10856
1990-91	3370	3854	7224	1964	1251	3215	5334	5105	10439
1991-92	2950	4104	7054	2844	1373	4217	5794	5477	11271

3.1.5 - OVERSEAS TRAFFIC HANDLED IN PRINCIPAL COMMODITIES

('000 tonnes)

State/Commodity	1989-90				1990-91				1991-92			
	Unloaded		Loaded		Unloaded		Loaded		Unloaded		Loaded	
	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.		
GUJARAT	2735	2296	5031	2370	2268	4638	2079	2903	4982			
Fertilizer & Raw Material	1760	-	1760	1669	-	1669	1276	-	1276			
Iron scrap	136	10	146	183	18	201	177	19	196			
Foodgrains	38	45	83	23	48	71	-	235	235			
Oil Cakes	-	1671	1671	-	1711	1711	-	2068	2068			
Others	801	570	1371	495	491	986	626	581	1207			
MAHARASHTRA	-	1071	1071	-	599	599	-	213	213			
Iron Ore	-	1071	1071	-	599	599	-	213	213			
GOA	-	-	-	-	1	1	-	-	-			
KARNATAKA	250	239	489	159	259	418	116	89	205			
Fertilizer & Raw Material	193	2	195	157	3	160	94	-	94			
Iron & Other	-	234	234	-	242	242	-	30	30			
Ores	27	-	27	-	-	-	14	1	15			
Foodgrains	30	3	33	2	14	16	8	58	66			
Others												

3.1.5 - OVERSEAS TRAFFIC HANDLED IN PRINCIPAL COMMODITIES (Contd.)
('000 tonnes)

State/Commodity	1989-90			1990-91			1991-92		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
KERALA	36	84	120	Neg.	86	86	Neg.	86	86
Other Ores	-	83	83	-	83	83	-	83	83
Foodgrains	30	-	30	Neg.	-	-	Neg.	-	-
Others	6	1	7	Neg.	3	3	Neg.	3	3
TAMIL NADU	326	49	375	217	10	227	182	3	185
Other Ores	19	28	47	19	-	19	-	-	-
Fertilizer & Raw Material	307	21	328	198	-	198	173	-	173
Others	-	-	-	-	10	10	9	3	12
ANDHRA PRADESH	642	732	1374	504	620	1124	402	778	1180
Fertilizer & Raw Material	599	-	599	485	-	485	395	-	395
Others	43	732	775	19	620	639	7	778	785
PONDICHERY	229	-	229	70	-	70	53	-	53
Foodgrains	154	-	154	-	-	-	-	-	-
Fertiliser	75	-	75	70	-	70	53	-	53

3.1.5 - OVERSEAS TRAFFIC HANDLED IN PRINCIPAL COMMODITIES (Contd.)

('000 tonnes)

State/Commodity	1989-90			1990-91			1991-92		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
ORISSA	26	42	68	50	11	61	118	32	150
Other Ores	-	42	42	-	11	11	-	32	32
Fertiliser	26	-	26	50	-	50	118	-	118
TOTAL	4244	4513	8757	3370	3854	7224	2901	4153	7054
Fertilizer & Raw Material	2960	23	2983	2629	3	2632	2060	49	2146
Iron Scrap	136	10	146	183	18	201	177	19	196
Iron & Other	19	1375	1394	19	935	954	-	358	358
Ores	219	45	264	23	48	71	14	236	250
Foodgrains	-	1671	1671	-	1711	1711	-	2068	2068
Oil Cakes	910	1389	2179	516	1139	1655	650	1435	2036
Others									

3.1.6 - COASTAL TRAFFIC HANDLED IN PRINCIPAL COMMODITIES

(in'000 tonnes)

State/Commodity	1989-90			1990-91			1991-92		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
GUJARAT	760	836	1596	1280	1052	2332	2179	1148	3327
1.Building Material*	443	656	1099	576	828	1404	518	839	1357
2.Salt	-	90	90	-	96	96	5	92	97
3.Others	317	90	407	704	128	832	1655	218	1873
MAHARASHTRA	239	3	242	328	1	329	305	14	319
1.Building Material*	229	1	230	326	-	326	304	-	304
2.Salt	9	1	10	Neg.	-	Neg.	-	-	-
3.Others	1	1	2	2	1	3	1	14	15
GOA	...	...	...	-	-	-	6	6	12
DAMAN & DIU	1	-	1	Neg.	-	Neg.	Neg.	-	Neg.
1.Building Material	1	-	1	Neg.	-	Neg.	Neg.	-	Neg.
2.Others	Neg.	-	Neg.	-	-	-	Neg.	-	Neg.
KARNATAKA	94	70	164	112	81	193	107	71	178
1.Building Material	4	34	38	Neg.	24	24	-	56	56
2.Salt	86	-	86	73	-	73	77	-	77
3.Others	4	36	40	39	57	96	30	15	45

3.1.6 - COASTAL TRAFFIC HANDLED IN PRINCIPAL COMMODITIES

(in '000 tonnes)

State/Commodity	1989-90			1990-91			1991-92			
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	
	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
KERALA	4	33	37	9	35	44	9	35	44	
1.Building Material	-	19	19	-	25	25	-	25	25	
2.Others	4	14	18	9	10	19	9	10	19	
TAMIL NADU	-	1	1	Neg.	-	Neg.	-	-	-	
1.Others	-	1	1	Neg.	-	Neg.	-	-	-	
LAKSHADWEEP	31	1	32	33	5	38	33	5	38	
1.Building Material	16	-	16	16	-	16	16	-	16	
2.Others	15	1	16	17	5	22	17	5	22	
ANDAMAN & NICOBAR	...	...	...	202	77	279	205	94	299	
1.Building Material	36	30	66	42	34	76	42	34	76	
2.Salt	2	-	2	2	-	2	2	-	2	
3.Others	164	47	211	161	60	221	161	60	221	
TOTAL	1129	944	2073	1964	1251	3215	2844	1373	4217	
1.Building Material	693	710	1403	954	907	1861	880	920	1800	
2.Salt	95	91	186	75	97	172	84	92	174	
3.Others	341	143	484	935	247	1182	1880	361	2241	

* Includes Clinkers.

3.1.7. OVERSEAS CARGO TRAFFIC AT SELECTED MINOR/INTERMEDIATE PORTS DURING 1990-91 AND 1991-92
(000' Tonnes)

Port/Commodity	Unloaded		Loaded		Total	
	1990-91	1991-92	1990-91	1991-92	1990-91	1991-92
(1)	(2)	(3)	(4)	(5)	(6)	(7)
GUJARAT						
1. Bedi	463	389	1606	1906	2069	2295
a) Foodgrains	23	2	42	112	65	114
b) Rock Phosphate	117	62	-	-	117	62
c) Other Fertilizers	280	276	-	-	280	276
d) Salt	-	-	11	13	11	13
e) Oil Cakes	-	-	1523	1773	1523	1773
f) Others	43	49	30	8	73	57
2. Okha	163	143	86	114	249	257
a) Foodgrains	-	-	31	71	31	71
b) Fertilizer finished	-	39	-	-	-	39
c) Salt	-	-	-	8	-	8
d) Other Ores	-	-	28	26	28	26
e) Coke & Coal	125	33	-	-	125	33
f) Others	38	71	27	9	65	80
3. Bhavnagar	561	512	19	29	580	541
a) Timber	1	1	-	-	1	1
b) Foodgrains	-	-	-	-	-	-
c) Fertilizer finished	82	82	-	-	82	82
d) Rock Phosphate	143	143	-	-	143	143
e) Other fertilizer	175	175	-	-	175	175
f) Iron Scrap	160	111	18	18	178	129
g) Others	-	-	1	11	1	11
4. Navalakhi	258	232	63	127	321	359
a) Foodgrains	-	-	-	-	-	-
b) Fertilizer finished	236	209	-	-	236	209
c) Salt	-	-	63	127	63	127
d) Others	22	23	-	-	22	23

3.1.7. OVERSEAS CARGO TRAFFIC AT SELECTED MINOR/INTERMEDIATE PORTS DURING 1990-91 AND 1991-92
(000' Tonnes)

Port/Commodity	Unloaded		Loaded		Total	
	1990-91	1991-92	1990-91	1991-92	1990-91	1991-92
(1)	(2)	(3)	(4)	(5)	(6)	(7)
GUJARAT (CONTD.)						
5. Sikka	275	389	2	34	277	423
a) Salt	-	-	-	34	-	34
b) P. Acid	197	351	-	-	197	351
b) Others	78	38	2	-	80	38
6. Surat	259	236	6	-	265	236
a) Timber	-	-	-	-	-	-
b) Rock Phosphate	150	135	-	-	150	135
c) Other fertilizer	-	-	-	-	-	-
d) Other Ores	81	36	-	-	81	36
e) Others	28	65	6	-	34	65
MAHARASHTRA						
1. Redi	-	-	559	213	559	213
a) Iron Ore	-	-	559	213	559	213
KARNATAKA						
1. Karwar	100	101	25	56	125	157
a) Foodgrains	-	-	-	-	-	-
b) Rock Phosphate	52	49	-	-	52	49
c) Fertilizer finished	41	45	-	-	41	45
d) Timber	7	7	-	-	7	7
e) P. Acid	-	-	3	5	3	5
f) Others	-	-	22	51	22	51
2. MANGALORE	59	14	4	4	63	18
a) Timber	3	-	-	-	3	-
b) Foodgrains	-	14	-	1	-	15
c) Fertilizer finished	56	-	-	-	56	-
d) Others	-	-	4	3	4	3

3.1.7. OVERSEAS CARGO TRAFFIC AT SELECTED MINOR/INTERMEDIATE PORTS DURING 1990-91 AND 1991-92
(000' Tonnes)

Port/Commodity	Unloaded		Loaded		Total	
	1990-91	1991-92	1990-91	1991-92	1990-91	1991-92
(1)	(2)	(3)	(4)	(5)	(6)	(7)
KARNATAKA (CONTD.)						
3. Belekari	-	-	230	30	230	30
a) Iron Ore	-	-	170	25	170	25
b) Manganese ore	-	-	60	5	60	5
KERALA						
Neendakara	-	-	83	83	-	83
TAMIL NADU						
1. Cuddalore	189	128	-	-	189	128
a) Foodgrains	-	-	-	-	-	-
b) Fertilizer finished	170	118	-	-	170	118
c) Other Ores	19	10	-	-	19	10
d) Others	-	-	-	-	-	-
ANDHRA PRADESH						
1. Kakinada	504	402	620	778	1124	1180
a) Foodgrains	-	-	63	37	63	37
b) Fertiliser finished	47	-	-	37	47	37
c) Rock Phosphate	438	370	-	-	438	370
d) Other ores	-	-	-	-	-	-
e) Others	19	32	557	704	576	736
ORISSA						
1. Gopalpur	50	118	11	32	61	150
a) Other Ores	-	-	11	32	11	32
b) Fertiliser finished	50	118	-	-	50	118
Total (above Ports)	2881	2664	3314	3323	6195	5987
Total for all Minor/ Intermediate Port	3370	2950	3854	4104	7224	7054

.3.1.8. COASTAL CARGO TRAFFIC AT SELECTED MINOR/INTERMEDIATE PORTS DURING 1990-91 AND 1991-92

(000 ' Tonnes)

Port/Commodity	Unloaded		Loaded		Total	
	1990-91	1991-92	1990-91	1991-92	1990-91	1991-92
(1)	(2)	(3)	(4)	(5)	(6)	(7)
GUJARAT						
1. Okha	55	39	14	7	69	46
a) Fuel Oil	54	39	-	-	54	39
b) Bauxite	-	-	13	7	13	7
c) Others	1	-	1	-	2	-
2. Surat	1190	2138	74	172	1264	2310
a) Cement Clinkers	541	518	-	-	541	518
b) Iron Ore	646	1612	74	-	646	1612
c) Others	3	8	-	172	77	180
3. Jafrabad	Neg.	-	826	797	826	797
a) Cement Clinkers	-	-	825	796	825	796
b) Others	Neg	-	1	1	1	1
4. Sikka	-	-	76	77	76	77
a) Salt	-	-	76	77	76	77
MAHARASHTRA						
1. Ratnagiri	319	293	-	10	319	303
a) Cement Clinkers	305	292	-	-	305	292
b) Others	14	1	-	10	14	11

3.1.8. - COASTAL CARGO TRAFFIC AT SELECTED MINOR/INTERMEDIATE PORTS DURING 1990-91 AND 1991-92

(000' Tonnes)

Port/Commodity	Unloaded			Loaded			Total	
	1990-91	1991-92	(1)	1990-91	1991-92	(2)	1990-91	1991-92
(1)	(2)	(3)	(4)	(5)	(6)	(7)		
KARNATAKA								
1. Karwar	91	78	21	2	112	80		
a) Salt	71	72	-	-	71	72		
b) Others	20	6	21	2	41	8		
KERALA								
1. Calicut/Bey pore	9	9	27	27	36	36		
a) Building material	-	-	17	17	17	17		
b) Rice/Wheat	-	-	3	3	3	3		
c) Others	9	9	7	7	16	16		
2. Azhikkal	-	-	7	7	7	7		
a) Building material	-	-	7	7	7	7		
LAKSHADEEP								
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	1697	2590	1050	1104	2747	3694		
a) Fuel Oil	59	44	-	-	59	44		
b) Bauxite	-	-	13	7	13	7		
c) Cement clinkers	846	810	825	820	1671	1630		
d) Salt	71	72	76	77	147	149		
e) Iron Ore	646	1612	-	-	646	1612		
f) Building material	-	-	24	-	24	-		
g) Rice, Wheat	-	-	3	3	3	3		
h) Others	75	52	109	197	184	249		
Total all Minor/ Intermediate Ports	1964	2844	1251	1373	3215	4217		

3.1.9. CARGO TRAFFIC HANDLED AT SELECTED MINOR/INTERMEDIATE PORTS FOR 1990-91 & 1991-92

STATE/PORT:	OVERSEAS						COASTAL						TOTAL										
	Unloaded	:	Loaded	:	Unloaded	:	Unloaded	:	Loaded	:	Unloaded	:	Loaded	:	Loaded								
	1990-91:91-92:		1990-91:91-92:		1990-91:91-92:		1990-91:91-92:		1990-91:91-92:		1990-91:91-92:		1990-91:91-92:		1990-91:91-92:								
(1)	(2)	:	(3)	:	(4)	:	(5)	:	(6)	:	(7)	:	(8)	:	(9)	:	(10)	:	(11)	:	(12)	:	(13)
GUJARAT	2370		2079		2268		2903		1280		2179		1052		1148		3650		4258		3320		4051
Mandri	73		23		42		61		-		-		12		7		73		23		54		68
Navlakhi	258		232		63		127		-		-		10		4		258		232		73		131
Bedi	463		389		1606		1906		-		-		-		-		463		389		1606		1906
Sikka	275		389		2		34		-		-		76		77		275		389		78		111
Okha	163		143		86		114		55		39		14		7		218		182		100		121
Porbunder	163		60		436		502		neg.		-		27		16		163		60		463		518
Veraval	119		63		-		63		34		1		-		51		153		64		-		114
Bhavnagar	561		512		19		29		-		-		-		-		561		512		19		29
Surat	259		236		6		-		1190		2138		74		172		1449		2374		80		172
Mundre	10		12		8		34		-		-		3		1		10		12		11		35
Jafrabad	-		-		-		-		neg.		-		826		797		-		-		826		797
Piparav	-		-		-		-		neg.		-		5		10		-		-		5		10
Mahuva	-		-		-		-		neg.		-		5		5		-		-		5		5
Gogha	-		-		-		-		-		-		-		1		-		-		-		1
Dahaj	26		20		-		-		-		-		-		-		26		20		-		-
Jakhu	-		-		-		32		-		-		-		-		-		-		-		32
Others	-		-		-		1		1		1		-		-		1		1		-		1
MAHARASHTRA	-		-		599		213		328		305		1		14		328		305		600		227
Ratnagiri	-		-		-		-		319		293		-		10		319		293		-		10
Redi	-		-		559		213		-		-		1		4		-		-		600		217

3.1.9. CARGO TRAFFIC HANDLED AT SELECTED MINOR/INTERMEDIATE PORTS FOR 1990-91 & 1991-92 (CONTD.)

STATE/PORT:	(In '000 tonnes)											
	OVERSEAS						COASTAL					
	Unloaded	Loaded	Unloaded	Loaded	Unloaded	Loaded	Unloaded	Loaded	Unloaded	Loaded	Unloaded	Loaded
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
MAHARASHTRA (CONTD.)												
Dharamtar	-	-	-	-	-	-	-	-	-	-	-	-
Dabhol	-	-	-	-	3	3	-	-	3	3	-	-
Jargad	-	-	-	-	2	3	-	-	2	3	-	-
Vijaydurg	-	-	-	-	-	2	-	-	-	-	-	-
Deogad	-	-	-	-	1	1	Neg.	-	1	1	Neg.	-
Malwan	-	-	-	-	1	1	-	-	1	1	-	-
Others	-	-	-	-	2	1	-	-	1	1	-	-
GOA	-	-	-	-	-	-	-	-	2	1	-	-
Panaji	-	-	1	-	-	-	-	6	-	6	1	6
Dman & Diu	-	-	1	-	-	-	-	6	-	6	1	6
Daman	-	-	-	-	-	-	-	-	-	-	-	-
KARNATAKA	159	116	259	89	112	107	81	71	271.	223	340	160
Karwar	100	101	25	56	91	78	21	2	191	179	46	58
Managalore	59	15	4	3	18	23	19	19	77	38	23	22
Belekeri	-	-	230	30	-	-	-	-	-	-	230	30
Tadri	-	-	-	-	-	-	-	6	-	-	-	6
Honawar	-	-	-	-	-	-	1	3	-	-	1	3
Kundapura	-	-	-	-	-	1	12	10	-	1	12	10
Malpe	-	-	-	-	3	5	28	31	3	5	28	31

3.1.9. CARGO TRAFFIC HANDLED AT SELECTED MINOR/INTERMEDIATE PORTS FOR 1990-91 & 1991-92 (CONTD.)

(In '000 tonnes)

STATE/PORT :	OVERSEAS				COASTAL				TOTAL			
	Unloaded	:	Loaded	:	Unloaded	:	Loaded	:	Unloaded	:	Loaded	:
	1990-91:91-92 :	1990-91:91-92 :	1990-91:91-92 :	1990-91:91-92 :	1990-91:91-92 :	1990-91:91-92 :	1990-91:91-92 :	1990-91:91-92 :	1990-91:91-92 :	1990-91:91-92 :	1990-91:91-92 :	1990-91:91-92 :
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
KERALA	neg.	neg.	86	86	9	9	35	35	9	9	121	121
Calicut/												
Beylore	neg.	neg.	3	3	9	9	27	27	9	9	30	30
Neendakara	-	-	83	83	-	-	-	-	-	-	83	83
Azhikkal	-	-	-	-	-	-	8	8	-	-	8	8
TAMIL NADU	217	182	10	3	neg.	-	-	-	217	182	10	3
Nagapattinam	28	54	10	3	neg.	-	-	-	28	54	10	3
Cuddalore	189	128	-	-	-	-	-	-	189	128	-	-
Colachel	-	-	-	-	-	-	-	-	-	-	-	-
Rameswar	-	-	-	-	-	-	-	-	-	-	-	-
PONDICHERRY	70	53	-	-	-	-	-	-	70	53	-	-
ANDHRA-												
PRADESH	504	402	620	778	-	-	-	-	504	402	620	778
Kakinada	504	402	620	778	-	-	-	-	504	402	620	778
ORISSA	50	118	11	32	-	-	-	-	50	118	11	32
Gopalpur	50	118	11	32	-	-	-	-	50	118	11	32
SEA ISLANDS	-	-	-	-	235	238	82	99	235	238	82	99
A & N Islands	-	-	-	-	202	205	77	94	202	205	77	94
Lakshadweep	-	-	-	-	33	33	5	5	33	33	5	5

3.1.10 CARGO HANDLED AT MINOR/INTERMEDIATE PORTS
(1990-91 AND 1991-92) BY STEAMERS AND SAILING VESSELS (STATE WISE)
(In '000 tonnes)

STATE/PORT:	OVERSEAS				COASTAL				TOTAL	
	Unloaded	Loaded	Unloaded	Loaded	Unloaded	Loaded	Unloaded	Loaded	Overseas & Coastal	
	1990-91:91-92	1990-91:91-92	1990-91:91-92	1990-91:91-92	1990-91:91-92	1990-91:91-92	1990-91:91-92	1990-91:91-92	1990-91:1991-92	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
GUJARAT	2370	2079	2268	2903	1280	2179	1052	1148	6970	8309
Steamers	2360	2073	2247	2870	1245	2177	1022	1111	6874	8231
Sailing Vessels	10	6	21	33	35	2	30	37	96	78
MAHARASHTRA	-	-	599	213	328	305	1	14	928	532
Steamers	-	-	599	213	305	292	-	-	904	505
Sailing Vessels	-	-	-	-	23	13	1	14	24	27
GOA	-	-	1	-	-	6	-	6	1	12
Steamers	-	-	-	-	-	6	-	6	-	12
Sailing Vessels	-	-	1	-	-	-	-	-	1	-
DAMAN & DIU	-	-	-	-	neg.	-	-	-	neg.	-
Steamers	-	-	-	-	-	-	-	-	-	-
Sailing Vessels	-	-	-	-	neg.	-	-	-	neg.	-
KARNATAKA	159	116	259	89	112	107	81	71	611	383
Steamers	159	101	255	85	103	98	20	-	537	284
Sailing Vessels	-	15	4	4	9	9	61	71	74	99
KERALA	Neg.	Neg.	86	86	9	9	35	35	130	130
Steamers	Neg.	-	83	83	5	5	-	-	88	88
Sailing Vessels	-	-	3	3	4	4	35	35	42	42

3.1.10. CARGO HANDLED AT MINOR/INTERMEDIATE PORTS (CONTD.)
(1990-91 AND 1991-92) BY STEAMERS AND SAILING VESSELS (STATE WISE)
(In '000 tonnes)

STATE/PORT:	OVERSEAS					COASTAL					TOTAL								
	Unloaded	:	Loaded	:	Unloaded	:	Loaded	:	Overseas & Coastal	:									
	1990-91:91-92:		1990-91:91-92:		1990-91:91-92:		1990-91:91-92:		1990-91	:	1991-92								
(1)	(2)	:	(3)	:	(4)	:	(5)	:	(6)	:	(7):	:	(8)	:	(9)	:	(10)	:	(11)
TAMIL NADU	216	:	182	:	10	:	3	:	neg.	:	-	:	-	:	-	:	227	:	185
Steamers	216	:	182	:	10	:	3	:	neg.	:	-	:	-	:	-	:	227	:	185
Sailing	-	:	-	:	-	:	-	:	-	:	-	:	-	:	-	:	-	:	-
Vessels	-	:	-	:	-	:	-	:	-	:	-	:	-	:	-	:	-	:	-
PONDICHERRY	70	:	53	:	-	:	-	:	-	:	-	:	-	:	-	:	70	:	53
Steamers	70	:	53	:	-	:	-	:	-	:	-	:	-	:	-	:	70	:	53
Sailing	-	:	-	:	-	:	-	:	-	:	-	:	-	:	-	:	-	:	-
Vessels	-	:	-	:	-	:	-	:	-	:	-	:	-	:	-	:	-	:	-
ANDHRA-	-	:	-	:	-	:	-	:	-	:	-	:	-	:	-	:	-	:	-
PRADESH	504	:	402	:	620	:	778	:	-	:	-	:	-	:	-	:	1124	:	1180
Steamers	504	:	402	:	620	:	778	:	-	:	-	:	-	:	-	:	1124	:	1180
Sailing	-	:	-	:	-	:	-	:	-	:	-	:	-	:	-	:	-	:	-
Vessels	-	:	-	:	-	:	-	:	-	:	-	:	-	:	-	:	-	:	-
ORISSA	50	:	118	:	11	:	32	:	-	:	-	:	-	:	-	:	61	:	150
Steamers	50	:	118	:	11	:	32	:	-	:	-	:	-	:	-	:	61	:	150
Vessels	-	:	-	:	-	:	-	:	-	:	-	:	-	:	-	:	-	:	-
SEA -	-	:	-	:	-	:	-	:	-	:	-	:	-	:	-	:	-	:	-
ISLANDS	-	:	-	:	-	:	-	:	235	:	238	:	82	:	99	:	317	:	337
Steamers	-	:	-	:	-	:	-	:	202	:	238	:	77	:	99	:	235	:	337
Sailing	-	:	-	:	-	:	-	:	-	:	-	:	-	:	-	:	-	:	-
Vessels	-	:	-	:	-	:	-	:	33	:	-	:	5	:	-	:	82	:	-
Total	3369	:	2950	:	3854	:	4104	:	1964	:	2844	:	1251	:	1373	:	10439	:	11271
Steamers	3359	:	2929	:	3825	:	4064	:	1860	:	2616	:	1119	:	1216	:	10110	:	11025
Sailing	-	:	-	:	-	:	-	:	-	:	-	:	-	:	-	:	-	:	-
Vessels	10	:	21	:	29	:	40	:	104	:	28	:	132	:	157	:	329	:	246

3.1.11-CARGO TRAFFIC HANDLED BY STEAMERS/SAILING VESSELS (PORT-WISE) 1990-91
(In tonnes)

STATE/ SELECTED PORT	STEAMERS			SAILING VESSELS							TOTAL				
	OVERSEAS			COASTAL			OVERSEAS			COASTAL		STEAMERS		VESSELS	
	UL	L		UL	L		UL	L		UL	L				
1	2	3	4	5	6	7	8	9	10	11					
GUJARAT	2360225	2247454	1245016	1021976	9703	21193	34617	30247	6874671	95760					
Mandvi	73408	41868	-	11908	-	-	-	-	117184	30					
Navlakhi	258237	63250	-	9500	-	-	-	-	330987	-					
Bedi	456596	1603221	-	-	6718	2708	-	-	2059817	9426					
Sikka	274850	1900	-	76079	-	-	-	-	352829	-					
Okha	163314	77604	54871	12223	-	7922	-	1308	308012	9230					
Porbunder	163104	433230	-	12076	-	2906	17	14622	608410	17545					
Veraval	117529	-	-	40482	1074	-	34439	-	117529	35513					
Bhavnagar	560593	19285	-	-	-	-	-	-	579878	-					
Surat	258630	6248	1190145	74290	-	-	-	-	1529313	-					
Mundra	8416	848	-	-	1911	7281	-	2562	9264	11754					
Jafrabad	-	-	-	825200	-	-	60	1002	825200	1068					
Dahej	25548	-	-	-	-	-	-	-	25548	-					
Others	-	-	-	700	-	346	95	10753	700	11194					
MAHARASHTRA	-	598592	305239	-	-	-	22493	1215	903831	23708					
Ratnagiri	-	-	305239	-	-	-	13509	-	305239	13509					
Redi	-	598592	-	-	-	-	-	950	598592	950					
Dharamtar	-	-	-	-	-	-	2747	-	-	2747					
Others	-	-	-	700	-	-	6237	265	-	6502					
Goa	-	-	-	-	-	735	-	-	-	735					
Panaji	-	-	-	-	-	735	-	-	-	735					

Note: UL - Unloaded; L - Loaded.

3.1.11-CARGO TRAFFIC HANDLED BY STEAMERS/SAILING VESSELS (PORT-WISE) 1990-91 (Contd.)

(In tonnes)

STATE/ SELECTED PORT	STEAMERS				SAILING VESSELS				TOTAL	
	OVERSEAS	COASTAL	OVERSEAS	COASTAL	STEAMERS	SAILING VESSELS				
1	2	3	4	5	6	7	8	9	10	11
DAMAN & DIU	-	-	-	-	-	-	481	-	-	481
Daman	-	-	-	-	-	-	481	-	-	481
KARNATAKA	159124	254448	103101	19776	-	4424	8555	61222	536449	74201
Belekeri	-	229545	-	-	-	-	-	-	229545	-
Karwar	100346	24903	91178	19776	-	-	-	722	236203	722
Mangalore	58778	-	11923	-	-	4424	5710	18988	70701	29122
Others	-	-	-	-	-	-	2845	19710	536449	44357
TAMIL NADU	216337	10340	16	-	-	-	-	-	226693	-
Cuddalore	188821	-	-	-	-	-	-	-	188821	-
Nagapattinam	27516	10340	16	-	-	-	-	1530	37872	-
KERALA	330	83030	5282	-	-	2553	4224	34688	88642	41465
Neendakara	-	83030	-	-	-	-	-	-	83030	-
Calicut/ Betoire	330	-	5282	-	-	2553	4222	27308	5612	34083
Azhikkal	-	-	-	-	-	-	2	7380	-	7382

3.1.11-CARGO TRAFFIC HANDLED BY STEAMERS/SAILING VESSELS (PORT-WISE) 1990-91 (Contd.)
(In tonnes)

STATE/ SELECTED PORT	STEAMERS			SAILING VESSELS			TOTAL			
	:			:			:			
	OVERSEAS	COASTAL	OVERSEAS	COASTAL	STEAMERS	SAILING	STEAMERS	SAILING	VESELS	
	UL : L	UL : L	UL : L	UL : L	UL : L	UL : L	UL : L	UL : L	UL : L	
1	2	3	4	5	6	7	8	9	10	11
PONDI- CHERRY	70468	-	-	-	-	-	-	-	70468	-
ANDHRA PRADESH	503872	620067	-	-	-	-	-	-	1123939	-
Kakinada Machili- patnam Krishna- patnam	503872	620067	-	-	-	-	-	-	1123939	-
	-	-	-	-	-	-	-	-	6588	-
	-	-	-	-	-	-	-	-	38364	-
ORISSA	49963	10788	-	-	-	-	-	-	60751	-
Gopalpur	49963	10788	-	-	-	-	-	-	60751	-
LAKSHADWEEP	-	-	33430	4514	-	-	-	-	37944	-
ANDAMAN & NICOBAR	...	...	201654	77382	...	...	...	...	279036	...
TOTAL	3360319	3824719	1893738	1123648	9703	28905	70370	127372	10202424	236350

3.1.11-CARGO TRAFFIC HANDLED BY STEAMERS/SAILING VESSELS (PORT-WISE) 1991-92
(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	2072609	2869743	2177120	1110832	6724	32948	1194	37850	8230304	78716		
Mandvi	23263	61170	-	7090	-	-	-	-	91523	-		
Navlakhi	231994	126838	-	-	-	-	-	-	363432	-		
Bedi	386840	1903198	-	-	2373	2414	-	-	2290038	4787		
Sikka	389015	33776	-	76512	-	-	-	-	499303	-		
Okha	143027	106032	39265	6763	20	8087	-	454	295087	8561		
porbunder	59279	496130	-	7712	470	6397	-	8204	563121	15071		
Veraval	61905	60644	-	40482	1235	2585	746	10818	163031	15384		
Bhavnagar	512048	29400	-	-	-	-	-	-	541448	-		
Surat	235679	-	2137855	171678	-	-	-	-	2545212	-		
Mundra	9105	21010	-	-	2553	13157	-	572	30115	16282		
Jafrabad	-	-	-	795995	-	-	20	1073	795995	1093		
Dahej	20454	-	-	-	-	-	-	-	20454	-		
Others	-	-	-	-	73	308	428	16729	-	17538		
MAHARASHTRA	-	213271	292354	-	-	-	12147	13968	505631	26115		
Ratnagiri	-	-	202354	-	-	-	631	9923	292354	10554		
Redi	-	213277	-	-	-	-	-	4000	213277	4000		
Dharamtar	-	-	-	-	-	-	3420	-	-	3420		
Others	-	-	-	-	-	-	8096	45	-	8141		

Note: UL - Unloaded; L - Loaded.

3.1.11-CARGO TRAFFIC HANDLED BY STEAMERS/SAILING VESSELS (PORT-WISE) 1991-92 (Contd.)

(In tonnes)

STATE/ SELECTED PORT	STEAMERS				SAILING VESSELS				TOTAL	
	OVERSEAS	COASTAL	OVERSEAS	COASTAL	STEAMERS	SAILING VESSELS				
1	2	3	4	5	6	7	8	9	10	11
DAMAN & DIU	-	-	-	-	-	-	-	-	-	-
Daman	-	-	-	-	-	-	497	-	-	497
KARNATAKA	101452	85852	97929	-	19315	3856	9338	70960	285233	98469
Belekeri	-	30000	-	-	-	-	-	-	30000	-
Karwar	101452	55852	77620	-	-	-	556	1573	234924	2129
Mangalore	-	-	20309	-	14315	3856	3176	19438	20309	40785
Others	-	-	-	-	-	-	5606	49949	-	55555
TAMIL NADU	181812	2682	-	-	-	-	-	-	184494	-
Cuddalore	127578	-	-	-	-	-	-	-	127578	-
Nagapa-	54234	2682	-	-	-	-	-	-	56916	-
ttlinam	-	-	-	-	-	-	-	-	-	-
Colachel	-	-	-	-	-	-	-	-	-	-
Rameswaram	-	-	-	-	-	-	-	-	-	-

3.1.11-CARGO TRAFFIC HANDLED BY STEAMERS/SAILING VESSELS (PORT-WISE) 1991-92 (Contd.)

(In tonnes)

STATE/ SELECTED PORT	STEAMERS			SAILING VESSELS			TOTAL			
	:			:			:			
	OVERSEAS	COASTAL	OVERSEAS	COASTAL	STEAMERS	SAILING VESSELS	STEAMERS	SAILING VESSELS		
	UL	L	UL	L	UL	L	UL	L		
1	2	3	4	5	6	7	8	9	10	11
Pondicherry	528890	-	-	-	-	-	-	-	52890	-
A.Pradesh	402313	777543	-	-	-	-	-	-	1179857	-
Kakinada	402313	777543	-	-	-	-	-	-	-	-
Machilipatnam	-	-	-	-	-	-	-	-	-	-
Krishnapatnam	-	-	-	-	-	-	-	-	-	-
Orissa	117653	32417	-	-	-	-	-	-	-	-
Gopalpur	117653	32517	-	-	-	-	-	-	-	-
Lakshdweep			33430	4514	-	-	-	-	37944	-
A & Nicobar	-	-	205711	94722	-	-	-	-	-	300433
Total	2928729	3981514	2806544	1210068	21039	36804	23176	122778	10926955	203797

3.2.1. TREND OF PASSENGER TRAFFIC HANDLED AT MINOR/INTERMEDIATE PORTS
(in '00 Numbers)

YEAR	OVERSEAS		COASTAL		TOTAL	
	Embarked	Disembarked	Embarked	Disembarked	Embarked	Disembarked
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1960-61	66	91	475	594	541	685
1965-66	152	207	3275	3327	3427	3534
1970-71	371	627	69103	9764	69554	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

3.2.2 - PASSENGER TRAFFIC - OVERSEAS AND COASTAL - (BY STATES)

STATE/UT/PORT/	1965-66	1970-71	1975-76	1980-81	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
GUJARAT	263	470	385	750	244	283	283	596	10697	1056	1056
Embarked	127	211	193	398	125	168	168	311	5329	531	531
Disembarked	136	259	192	352	119	115	115	285	5368	525	525
MAHARASHTRA	5995	17676	43503	42368	102429	107078	140304	155919	139701	121817	135137
Embarked	2967	8715	21396	20939	51660	53356	70238	77968	70199	62236	67790
Disembarked	3028	8961	22107	21429	50769	53722	70066	77951	69502	59581	67347
GOA	...	60799	691	1435	1472	2194	1587	1587	...	-	-
Embarked	...	60256	374	1435	775	1060	817	817	...	-	-
Disembarked	...	543	317	-	697	1134	770	770	...	-	-
KARNATAKA	382	-	-	-	-	-	-	-	-	-	-
Embarked	204	-	-	-	-	-	-	-	-	-	-
Disembarked	178	-	-	-	-	-	-	-	-	-	-
KERALA	28	28	27	07	Neg.	Neg.	20	20	36	33	33
Embarked	17	09	14	04	Neg.	Neg.	10	10	11	4	4
Disembarked	11	19	13	03	Neg.	Neg.	10	10	25	29	29

3.2.2 - PASSENGER TRAFFIC - OVERSEAS AND COASTAL - (BY STATES) (Contd.)
(in '00 Number)

STATE/UT/PORT/	1965-66	1970-71	1975-76	1980-81	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
TAMIL NADU	293	972	922	1825	-	-	14021	14380	14494	-	-
Embarked	112	363	415	829	-	-	7051	7190	7247	-	-
Disembarked	181	609	507	996	-	-	6970	7190	7247	-	-
SEA-ISLANDS	...	...	672	1043	1431	1457	1683	1683	3288	4685	4833
ANDAMAN GROUP	...	...	533	731	854	854	854	854	3288	4685	4833
Embarked	...	...	256	341	375	375	375	375	1547	2269	2308
Disembarked	...	...	277	390	479	479	479	479	1741	2416	2525
LAKSHADWEEP GROUP	...	...	139	312	577	603	829	1029	1047	...	...
Embarked	...	...	67	156	278	302	410	517	509	...	...
Disembarked	...	...	72	156	259	301	419	512	538	...	...
ALL MINOR/ INTERMEDIATE PORTS	6961	79945	46200	47428	105576	111012	157898	174385	169227	127591	141059
Embarked	3427	69554	22714	24102	53213	55261	79069	87186	84831	65040	70633
Disembarked	3534	10391	23486	23326	52363	55751	78829	87197	84396	62551	70425

* The data of Lakshadweep was not received commoditywise.

3.3.1 NUMBER OF STEAMERS/SAILING VESSELS ENTERED AT MINOR/INTERMEDIATE
PORTS IN VARIOUS MARITIME STATES

(No.)

:Gujarat: Mahara-:Goa :Daman: Karna- :Kerala:Tamil:Pondi-:Andhra :Orissa:Sea Type of vessel/Year: : shtra : :& Diu: taka : :Nadu :cherry:Pradesh: :Islands											
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
STEAMERS											
1970-71	641	35	...	...	183	139	280	25	124	-	...
1975-76	737	1682	197	...	82	64	483	62	127	-	1
1980-81	443	1677	209	...	167	12	236	5	148	-	158
1985-86	1770	1705	203	-	33	12	100	5	126	-	174
1986-87	1793	1615	205	-	33	8	66	5	105	1	174
1987-88	1538	1405	176	-	33	26	49	-	88	2	174
1988-89	1645	1405	176	-	41	57	52	32	123	4	174
1989-90	1657	1405	176	-	44	57	50	17	145	6	174
1990-91	1273	1405	176	-	56	41	32	4	128	5	174
1991-92	1199	1405	176	-	62	41	19	2	143	7	174
SAILING VESSELS											
1970-71	11492	15359	...	...	7846	1180	5381	...	...	-	...
1975-76	11447	9159	...	539	3867	772	155	45	...	-	311
1980-81	8910	5405	...	364	2226	582	46	24	...	-	311
1985-86	6537	8117	52	224	1151	373	33	53	10	-	311
1986-87	7634	7122	48	225	1012	336	20	53	6	-	221
1987-88	7850	7569	-	212	958	355	10	-	6	-	221
1988-89	7208	7569	-	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
TOTAL											
1970-71	12133	15394		...	8029	1319	5661	25	124	-	...
1975-76	12184	10841		736	3949	836	638	107	127	-	312
1980-81	9353	7082		573	2393	594	282	29	148	-	469
1985-86	8307	9822	255	224	1184	385	133	58	136	-	485
1986-87	9427	8737	253	225	1045	344	86	58	111	1	395
1987-88	9388	8974	176	212	991	381	59	-	94	2	395
1988-89	8853	8974	176	212	912	370	224	53	123	4	395
1989-90	8865	20417	176	356	989	370	198	38	145	6	395
1990-91	6355	20555	192	253	877	459	93	48	128	5	395
1991-92	6378	21205	193	472	994	459	76	23	193	7	395

3.4.1 - EMPLOYMENT AT MINOR PORTS

(Number)

State/UT	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Gujarat	4211	4211	4211	4211	4612	4601	4601	4601	4601	4601
Maharashtra	243	257	250	249	244	230	236	230	230	230
Goa	183	174	174	150	149	160	160	160	145	150
Daman & Diu	...	9	9	9	9	9	9	8	7	8
Karnataka	477	477	477	131	135	135	135	154	257	297
Kerala	291	291	291	401	410	930	930	930	1349	1349
Tamil Nadu	428	387	392	365	363	376	376	264	264	264
Pondicherry	75	75	75	75	75	75	75	120	119	119
Orissa	-	-	-	-	189	189	189	189	189	189
Andhra Pradesh	497	497	497	497	619	619	619	122	115	120
Andaman Group	...	...	...	...	...	...	...	...	1643	1663
Lakshadweep Group	102	102	102	106	106	106	131	133	131	131
Total	6507	6480	6478	6194	6911	7430	7455	6911	9050	9121

SECTION - IV

GENERAL TABLES

4.1.1.1 NAVIGATIONAL AIDS AND BERTHS AT PORTS
(State-wise as on 31.3.1991)

Maritime States/ U.Ts.	General Light house	Light buoy	VHF/HF RT set.	Decca Navigator Chain	Radio Beacon	Racon	Light vessel	Launches	Light House Tender
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Gujarat	54	12	26	8	3	6	1	3	-
Maharashtra	16	-	4	-	1	-	-	3	1
Goa Daman & Diu	2	-	-	-	1	-	-	-	-
Karnataka	5	-	2	-	1	-	-	-	-
Kerala	15	-	-	-	1	1	-	-	-
Tamil Nadu	11	-	-	-	1	1	-	-	-
Pondicherry	1	-	-	-	1	-	-	-	-
Andhra Pradesh	12	-	-	-	3	-	-	-	-
Orissa	5	-	5	2	1	-	-	-	-
West Bengal	1	-	3	2	1	-	-	-	-
Andaman & Nicobar Islands	2	-	-	-	2	2	-	-	1
Lakshadweep	14	-	-	-	1	2	-	-	-
Total	156	12	40	12	17	12	1	6	2

Source:- Department of Lighthouses & Lightships.

4.1.1 NAVIGATIONAL AIDS AND BERTHS AT PORTS
(State-wise as on 31.3.1992)

Maritime States/ U.Ts.	General Light house	Light buoy	VHF/HF RT set.	Decca Navigator Chain	Radio Beacon	Racon	Light vessel	Launches	Light House Tender
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Gujarat	54	12	26	8	3	6	1	3	-
Maharashtra	16	-	4	-	1	-	-	3	1
Goa Daman & Diu	2	-	-	-	1	-	-	-	-
Karnataka	5	-	2	-	1	-	-	-	-
Kerala	15	-	-	-	1	1	-	-	-
Tamil Nadu	11	-	-	-	1	1	-	-	-
Pondicherry	1	-	-	-	1	-	-	-	-
Andhra Pradesh	12	-	-	-	3	-	-	-	-
Orissa	5	-	5	2	1	-	-	-	-
West Bengal	1	-	3	2	1	-	-	-	-
Andaman & Nicobar Islands	22	-	-	-	2	2	-	-	1
Lakshadweep	14	-	-	-	1	2	-	-	-
Total	158	12	40	12	17	12	1	6	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				
	1987	1988	1989	1990	1991	1987	1988	1989	1990	1991
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
ARGENTINA	0.76	0.75	0.62	0.49	0.57	1.86	2.34	2.13	3.07	3.07
AUSTRALIA	1.94	2.43	2.91	2.60	2.77	19.99	22.01	23.01	23.99	26.61
BELGIUM	6.79	7.04	6.50	7.39	5.58	3.80	4.05	4.06	4.17	2.42
BRAZIL	5.16	4.84	4.77	...	...	11.87	14.12	13.40	...	...
CHINA	5.63	6.71	6.87	6.18	...	5.81	6.73	6.61	7.70	...
DENMARK	2.69	2.53	2.56	2.46	2.71	0.93	1.04	1.16	1.22	1.37
EGYPT	2.09	2.15	1.99	1.98	1.79	1.14	1.00	0.99	0.88	1.02
FINLAND	2.61	2.66	2.80	2.90	2.69	1.87	1.95	1.87	2.00	2.22
FRANCE	14.33	14.75	14.88	14.75	15.58	4.76	4.63	5.01	5.15	4.83
GERMANY (FR)	7.47	7.79	7.75	8.13	9.00	3.55	3.68	3.94	3.69	3.96
GREECE	2.61	2.64	2.70	3.21	...	1.99	2.04	2.14	1.80	...
HONGKONG	3.97	4.45	4.27	4.36	5.16	1.91	2.31	1.87	1.87	2.19
INDIA	4.33	4.97	4.87	5.20	5.24	3.51	3.89	4.15	3.96	4.08
INDONESIA	3.38	1.86	2.35	2.57	...	12.30	9.74	8.68	9.13	...
ITALY	17.40	16.60	17.75	18.89	18.65	3.07	3.21	3.18	3.49	3.54
JAPAN	51.76	55.57	58.60	59.30	60.43	6.98	6.73	6.76	7.03	7.49
KOREA (REP. OF)	10.79	12.02	12.75	14.36	17.37	4.24	4.53	4.24	3.96	4.33
MALAYSIA	1.74	2.03	2.27	2.44	2.63	1.22	1.33	1.53	1.56	1.50
MEXICO	0.94	1.10	3.73	3.74	4.14	7.47	7.85	9.40	11.03	10.27
NETHERLAND	20.80	22.21	23.37	23.44	23.89	6.89	7.32	7.72	7.65	7.54
NORWAY	1.71	1.58	1.51	1.58	...	4.78	5.31	6.91	7.43	...

4.1.2 INTERNATIONAL MARITIME TRANSPORT - MONTHLY AVERAGE CARGO
LOADED AND UNLOADED IN EXTERNAL TRADE (CONTD.)

(In million tonnes)

COUNTRY	UNLOADED					LOADED					
	1987	1988	1989	1990	1991	1987	1988	1989	1990	1991	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	
PANAMA	5.26	5.59	5.35	5.59	5.27	7.49	7.52	7.63	7.89	8.34	
PHILIPPINS	2.06	2.21	2.39	2.64	..	1.08	1.15	1.09	1.18	..	
POLAND	1.45	1.52	1.42	1.04	1.08	2.63	2.67	2.28	2.56	2.08	
SINGAPORE	5.94	7.01	8.11	8.85	9.91	3.92	4.82	6.30	6.80	7.48	
SOUTH AFRICA	0.87	1.12	1.13	..	..	6.31	6.93	7.99	..	..	
SPAIN	8.08	8.80	9.73	10.16	10.79	3.36	3.44	3.31	3.36	3.31	
SWEDEN	4.96	4.60	4.66	4.58	4.46	3.63	3.72	3.68	3.72	3.79	
THAILAND	2.04	..	..	..	..	1.58	..	..	..	..	
TURKEY	4.36	4.04	3.62	4.59	6.41	6.42	7.10	11.51	5.28	3.51	
UNITED KINGDOM	12.49	13.31	14.03	14.17	14.30	12.34	10.76	5.57	10.37	10.69	
UNITED STATES	35.39	38.45	41.16	41.27	37.41	27.01	30.10	21.76	31.00	32.46	
YUGOSLAVIA	2.12	2.13	2.11	2.23	...	0.82	0.71	0.68	0.61	..	

SOURCE (EXCEPT INDIA) : MONTHLY BULLETIN OF STATISTICS (U.N.) - February, 1993

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 1991-92

(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

Source: i) Ministry of Commerce.

iii) RBI Publication, Report on currency and Finance

4.1.4 PERCENTAGE SHARE OF INDIAN FLAG IN THE OVERSEAS
CARGO TRAFFIC AT PORTS

YEAR	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Major Ports										
Unloaded	53.2	54.0	48.8	49.8	50.6	56.9	43.3	51.4	50.2	50.1
Loaded	18.7	17.2	18.3	17.4	16.1	17.3	16.7	20.9	21.4	23.0
Total	38.7	38.3	34.5	34.5	33.2	39.4	31.4	37.6	37.8	38.3
Minor Ports										
Unloaded	54.4	43.5	37.9	30.4	41.1	26.6	25.9	18.3	32.8	47.2
Loaded	31.6	30.0	40.5	35.2	43.7	37.4	16.5	11.8	12.3	15.1
Total	40.3	38.2	39.6	33.6	42.3	31.9	21.3	17.3	23.0	31.1
ALL PORTS										
Unloaded	53.2	53.2	40.1	48.8	49.9	55.7	42.1	49.2	49.2	51.3
Loaded	19.9	18.1	20.9	19.6	18.1	18.2	16.7	20.6	20.8	20.4
Total	38.8	38.3	35.0	34.5	33.9	39.1	30.8	36.1	36.9	38.0

4.1.5 OUT-LAY/EXPENDITURE IN PORTS DURING SEVENTH PLAN
AND ANNUAL PLAN/EXPENDITURE

(Rs. Crores)

PORTS	VIITH PLAN			1990-91		1991-92		1992-93	
	Out- lay	Expdr.		Out- lay	Expdr.	Out- lay	Expdr.	Out- lay	Expdr.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	
Kandla	28.15	32.89	31.49	10.85	55.00	8.89	40.00	11.08	
Bombay	106.13	71.03	43.12	12.19	40.00	21.73	70.43	23.79	
J.L. Nehru	402.36	813.81	112.10	38.80	65.00	22.08	53.30	20.32	
Mormugao	25.30	16.09	5.76	3.52	7.10	1.59	11.76	8.24	
New Mangalore	18.40	20.32	5.48	2.02	8.56	4.45	4.91	2.22	
Cochin	56.25	49.54	50.00	26.78	37.03	32.42	42.17	18.92	
Tuticorin	18.75	12.56	6.10	2.10	8.95	6.13	17.05	7.00	
Madras	67.15	76.32	41.88	33.38	55.00	7.15	34.89	18.24	
Visakhapatnam	50.95	50.39	40.00	14.85	59.79	20.64	65.57	40.10	
Paradip	42.40	45.29	9.61	8.45	40.00	18.29	67.00	28.35	
Calcutta*	138.95	85.15	126.44	33.15	113.00	56.42	130.58	39.86	
Others **	150.00	68.14	48.80	24.21	30.57	9.63	72.30	20.45	
TOTAL	1104.79	1341.53	520.78	210.30	520.00	209.42	613.96	238.57	

* Includes Haldia, B.HRTW and Jiggharkhali flat.

** Constitute DCI, ALHW, NIPM, MPSO, R & D, C D O and Minor Ports and C.T. Research.

4.1.6 TRANSPORT SECTOR - OUTLAY AND EXPENDITURE UNDER THE PLANS

(In Crores)

Sector	Fifth plan (1974-79) Out- lay	Expen- diture	Annual plan (1979-80) Out- lay	Expen- diture	Sixth plan (1980-85) Out- lay	Expen- diture	Seventh plan (1985-90) Out- lay	Expen- diture	Annual plan (1991-92) Out- lay	Expen- diture	Annual plan (1992-93) Out- lay	Expen- diture	Annual plan(P) (1993-94) Outlay
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1. Railway	2202	2063	650	714	5100	6587	12334	16437	5325	5393	5700	5710	6900
2. Roads	1353	1701	454	467	3439	3807	5200	6211	2066	1925	2271	2046	2749
3. Road Transport	461	503	128	143	1196	1276	1990	2165	657	458	841	514	720
4. Ports (including Minor Ports)	571	488	97	57	647	604	1230	1489	589	408	698	484	695
5. Shipping	450	469	165	147	755	535	827	1134	699	692	1296	636	1165
6. I.W.T.	32	16	11	6	72	63	226	195	74	27	56	29	56
7. Light Houses & Light ships.	14	9	3	2	12	12	30	*	*	*	*	*	*
8. Civil Air Transport	337	294	142	132	859	957	2040	1954	440	615	1050	1052	1614
9. Other Transport	-	-	-	-	-	-	-	-	67	63	33	36	47
10. Total Trans- port Sector	5420	5543	1651	1668	12080	13841	23877	29585	9917	9581	11745	10507	13946
11. Share of Ports & LH & LS in the transport sector.	10.8%	9.0%	6.0%	3.5%	5.5%	4.5%	5.3%	5.0%	5.9%	4.3%	5.9%	4.6%	5.0

*: Included in Ports.

@: Farraka Barrage & Hooghly River Training projects.

P: Provisional.

DEFINITIONS OF TERMS USED

1. Load line : The outer line on the body of a ship upto which she submerges in water with safety. It varies according to the seasons and waters in which she plies.

2. Draft : The depth necessary to submerge a ship to their load line.

3. Dead Weight Tonnage (DWT) : It is the number of tons of (2240 pounds) stores, fuel and cargo that a ship can transport. This represents 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 cranes 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 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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