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Basic Port Statistics of India

Summary Tables 1993-94 Detailed Tables 1992-93
upto

P R E F A C E

The publication "Basic Port Statistics of India" provides comprehensive and detailed statistics on ship/cargo traffic handled at Indian Ports, port facilities, origin/destination details of overseas traffic, port performance, employment, finance, etc. Over the years this publication has served data needs of scholars, research workers and planners in the port sector.

2. The present publication gives data upto 1993-94. The major source of detailed data upto 1992-93 is the annual administration reports of major ports and their MIS returns. The provisional data for the year 1993-94 have been compiled mostly from statements furnished by Indian Ports Association. Brief notes on major ports in India and their performance along with graphs have also been included in this publication.

3. But for the continued interest and help extended by the Port Trusts and Maritime States/UTs, it would not have been possible for us to bring out this publication. The Transport Research Wing, therefore, gratefully acknowledges their cooperation. Thanks are also due to NIC for their Computer support.

4. Suggestions for improvement in the contents and coverage of the publication are welcome.

New Delhi,
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Joint Secretary



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C O N T E N T S

Table

	<u>Page No.</u>
Port Organisation in India	i- iv
Performance of Ports at a Glance 1993-94	v - xiv
Table - I	xv
Table - II	xvi
Table - III	xvii
Table - IV	xviii
Table - V	xix
Table - VI	xx
Table - VII	xxi - xxiv
Table - VIII	xxv - xxvi
Table - IX	xxvii
Table - X	xxviii
Table - XI	xxix
Table - XII	xxx

PORT SECTOR AT A GLANCE

I - III

SECTION - I (MAJOR / MINOR PORTS)

1.1 SUMMARY TABLES

1.1.1	Trend of cargo traffic handled at Indian Ports	2	1
1.1.2	Cargo handled at Ports - By States	7	6
1.1.3	Cargo unloaded (Overseas and Coastal) at Ports - By States	11	10
1.1.4	Cargo loaded (Overseas and Coastal) at Ports - By States	11	14

SECTION - II (MAJOR PORTS)

2.1 PORT FACILITIES

2.1.1	Topography of Major Ports	15	16
2.1.2	Details of berths at Major Ports	17	23
2.1.3	Storage facilities at Major Ports	24	27
2.1.4	Performance of Cargo Handling Equipments at Major Ports	28	29

2.2 CARGO TRAFFIC

2.2.1	Growth of cargo traffic handled at Major Ports (1960-61 to 1992-93)	30
2.2.2	Trend of cargo traffic handled at various Major Ports (1950-51 to 1992-93)	31
2.2.3	Trend of cargo traffic handled (commodity-wise) at Major Ports (1950-51 to 1992-93)	32
2.2.4	Trend of cargo traffic handled (commodity-wise) at Kandla Port (1950-51 to 1992-93)	34
2.2.5	Trend of cargo traffic handled (commodity-wise) at Bombay Port (1950-51 to 1992-93)	36
2.2.5(a)	Trend of cargo traffic handled (commodity-wise) at J.L. Nehru Port (1989-90 to 1992-93)	38
2.2.6	Trend of cargo traffic handled (commodity-wise) at Mormugao Port (1950-51 to 1992-93)	39
2.2.7	Trend of cargo traffic handled (commodity-wise) at New Mangalore Port (1974-75 to 1992-93)	41

2.2.8	Trend of cargo traffic handled (commodity-wise) at Cochin Port (1950-51 to 1992-93)	42 - 43
2.2.9	Trend of cargo traffic handled (commodity-wise) at Tuticorin Port (1974-75 to 1992-93)	44
2.2.10	Trend of cargo traffic handled (commodity-wise) at Madras Port (1950-51 to 1992-93)	45 - 46
2.2.11	Trend of cargo traffic handled (commodity-wise) at Visakhapatnam Port (1950-51 to 1992-93)	47 - 48
2.2.12	Trend of cargo traffic handled (commodity-wise) at Paradip Port (1966-67 to 1992-93)	49
2.2.13	Trend of cargo traffic handled (commodity-wise) at Calcutta/Haldia Port (1950-51 to 1992-93)	50 - 51
2.2.14	Trend of cargo traffic (Overseas/Coastal) at various Major Ports (1960-61 to 1992-93)	52 - 53
2.2.15	Trend of cargo traffic (Unloaded/Loaded) at various Major Ports (1960-61 to 1992-93)	54 - 55
2.2.16	Cargo traffic handled at Major Ports in India (1965-66 to 1992-93)	56 - 60
2.2.17	Overseas Traffic (Principal Commodities) handled at Major Ports (1990-91 to 1992-93)	61 - 72
2.2.18	Coastal Traffic (Principal Commodities) handled at Major Ports (1990-91 to 1992-93)	73 - 77
2.2.19	Overseas Traffic (Import) in Principal Commodities by country of origin (1992-93)	78 - 85
2.2.20	Overseas Traffic (Export) in Principal Commodities by country of destination (1992-93)	86 - 93
2.2.21	Container Traffic (Indian Lines/Foreign Lines) handled at Major Ports (1985-86 to 1992-93)	94
2.2.22	Container Traffic handled at Major Ports (1984-85 to 1992-93)	95
2.2.22(a)	Containerised Cargo as well as Tare Weight of Container, 1992-93	96
2.2.23	Portwise Container Traffic (typewise) (1988-89 to 1992-93)	97 - 104
2.2.24	Level of containerisation in the general cargo at various Major Ports (1991-92 & 1992-93)	105
2.2.25	Level of containerisation (Export) of selected commodities at Major Ports (1991-92 to 1992-93)	106

<u>Table</u>		<u>Page No.</u>
2.2.26	Level of containerisation (Import) of selected commodities at Major Ports (1991-92 to 1992-93)	107
2.2.27	Level of containerisation (Export/Import) of selected commodities at Major Ports (1991-92 to 1992-93)	108 - 117
2.2.28	Cargo/Ship Traffic (Month-wise) during 1991-92 & 1992-93	118 - 123
2.3	PASSENGER TRAFFIC	
2.3.1	Passenger Traffic at Major Ports in India (1960-61 to 1992-93)	124 - 127
2.4	SHIP TRAFFIC	
2.4.1	Number and Size of Ships Sailed - By Ports (1987-88 to 1992-93)	128 - 130
2.5	PORT CAPACITIES	
2.5.1	Port-wise, Commodity-wise Capacities (As on 31.3.93 & 31.3.94)	131
2.6	PORT PERFORMANCE INDICATORS	
2.6.1	Selected Port Performance Indicators in respect of different types of vessels (1990-91 to 1992-93)	132
2.6.2	Trend in Selected Port Performance Indicators (1990-91 to 1992-93)	133
2.6.3	Number of vessels sailed (category-wise) (1990-91 to 1992-93)	134
2.6.4	Average Pre-berthing detention (category-wise) (1990-91 to 1992-93)	135
2.6.5	Average Turn Round Time (category-wise) (1990-91 to 1992-93)	136
2.6.6	Percentage of idle time to time at Berth (category-wise) (1990-91 to 1992-93)	137
2.6.7	Output per Ship Berth Day (Tonnes) (category-wise) (1990-91 to 1992-93)	138
2.6.8	Berth Occupancy at Major Ports (1987-88 to 1992-93)	139
2.6.9	Utilisation of Cargo Handling Equipments (1982-83 to 1992-93)	140 - 144

Table

Page No.

2.7 EMPLOYMENT		
2.7.1	Employment at Ports - By Ports (1982 to 1993)	145
2.7.2	Number of Dock Workers Registered with DLB's at Major Ports (1982 to 1993)	146
2.7.3	Number of Dock Workers listed with Major Ports (1982 to 1993)	147
2.7.4	Employment at Ports - By Ports and Classes (As on 31.12.1993)	148
2.7.5	Employment at DLB's of Major Ports (As on 31.12.1993)	149
2.7.6	Percentage of Mandays lost out of Mandays Employment (1987 to 1993)	150
2.8 FINANCIAL PERFORMANCE		
2.8.1	Revenue and Expenditure at Major Ports (1984-85 to 1992-93)	151 - 156
2.8.2	Net and Operating Surplus at Major Ports (1984-85 to 1992-93)	157 - 158
2.8.3	Income, Cost and Surplus/Deficit per tonne of cargo handled (1990-91 to 1992-93)	159
SECTION - III (MINOR/INTERMEDIATE PORTS)		
3.1 CARGO TRAFFIC		
3.1.1	Growth of Cargo Traffic handled at Minor/Intermediate Ports (1960-61 to 1992-93)	160
3.1.2	State-wise Cargo (Overseas/Coastal) at Minor/Intermediate Ports (1965-66 to 1992-93)	161
3.1.3	State-wise Cargo (Unloaded/Loaded) at Minor/Intermediate Ports (1965-66 to 1992-93)	162
3.1.4	Trend of Traffic handled at Minor/Intermediate Ports (State-wise) (1965-66 to 1992-93)	163 - 167
3.1.5	Transshipment Figures at Minor Ports (1990-91 to 1992-93)	168
3.1.6	Overseas Traffic handled in Principal Commodities (1990-91 to 1992-93)	169 - 171
3.1.7	Coastal Traffic handled in Principal Commodities (1990-91 to 1992-93)	172 - 173
3.1.8	Overseas Cargo Traffic at Selected Minor/Intermediate Ports (1991-92 & 1992-93)	174 - 176
3.1.9	Coastal Cargo Traffic at Selected Minor/Intermediate Ports (1991-92 & 1992-93)	177 - 178

TablePage No.

3.1.10	Cargo Traffic handled at Minor/Intermediate Ports (1991-92 & 1992-93)	179 - 181
3.1.11	Cargo handled - By Steamers and Sailing Vessels - State-wise (1991-92 & 1992-93)	182 - 183
3.1.12	Cargo Traffic handled - By Steamers/Sailing Vessels - Port-wise (1992-93)	184 - 185
3.2	PASSENGER TRAFFIC	
3.2.1	Trend of Passenger Traffic at Minor/Intermediate Ports (1960-61 to 1992-93)	186
3.2.2	Trend of Passenger Traffic Overseas/Coastal - By States (1965-66 to 1992-93)	187 - 188
3.3	SHIP TRAFFIC	
3.3.1	Number of Steamers/Sailing Vessels at Minor/Intermediate Ports in various Maritime States (1970-71 to 1992-93)	189
3.4	EMPLOYMENT	
3.4.1	Employment at Minor Ports (1982-83 to 1992-93)	190
4.1	GENERAL TABLES	
	SECTION - IV	
4.1.1	Navigational Aids and Berths at Ports (As on 31st March, 1993)	191
4.1.2	Intermediate Maritime Transport Monthly-Average Cargo Loaded/Unloaded in External Trade (1988 to 1992)	192 - 193
4.1.3	Estimated Share of Foreign Trade by sea in the Total Foreign Trade in India (1980-81 to 1992-93)	194
4.1.4	Percentage Share of Indian Flag in the Overseas Cargo Traffic at Ports (1983-84 to 1992-93)	195
4.1.5	Outlay/Expenditure on Port Sector during the Seventh/Eighth Plan and Annual Plans	196
4.1.6	Transport Sector - Outlay and Expenditure under the Plans	197
	Definitions of Terms used	198 - 200

Abbreviation used

...	: Not available
-	: Nil
Neg./N	: Negligible
TEU	: Twenty Equivalent Unit
GRT	: Gross Registered Tonnage
DLB	: Dock Labour Board
DWT	: Dead Weight Tonnage
RO Ro	: Roll on - Roll Off
Cal	: Calcutta Port Trust
Hal	: Haldia Dock Complex
PPT	: Paradip Port Trust
VPT	: Visakhapatnam Port Trust
MPT	: Madras Port Trust
TPT	: Tuticorin Port Trust
CPT	: Cochin Port Trust
NMPT	: New Mangalore Port Trust
MOPT	: Mormugao Port Trust
JNPT	: Jawahar Lal Nehru Port Trust
BPT	: Bombay Port Trust
KPT	: Kandla Port Trust

PORT ORGANISATION IN INDIA

Ports are meant to provide sea-borne vessels some basic services such as dock, harbour or berth facilities 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 Government. Besides Chairman, the Port Trust Board comprises Deputy Chairman, representatives of Customs, Railways, Defence, State Govt., Shipowners, Shippers, etc. All members of the Board, other than the Chairman and 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 movement and providing water facilities for the visiting ships. Similarly the main sources of revenue from ship traffic are (i) Port dues, (ii) Pilotage, (iii) Berth-hire, (iv) Survey and measuring fees, (v) Ship repairs in dock areas.

7. The main activities of 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:-

(In Million Tonnes)

Port	Port capacity as on	
	31.3.93	31.3.94
1. Calcutta and Haldia	23.53	23.65
2. Paradip	7.65	7.65
3. Visakhapatnam	23.05	23.35
4. Madras	22.07	22.07
5. Tuticorin	5.10	6.10
6. Cochin	10.66	10.80
7. New Mangalore	9.55	9.55
8. Mormugao	15.92	15.92
9. Bombay	26.80	26.80
10. Kandla	20.80	20.80
11. J.N.P.T.	5.90	5.90
Total All Ports	171.03	172.59

(iii)

Commodity-wise break-up of Port capacities:-

(In Million Tonnes)

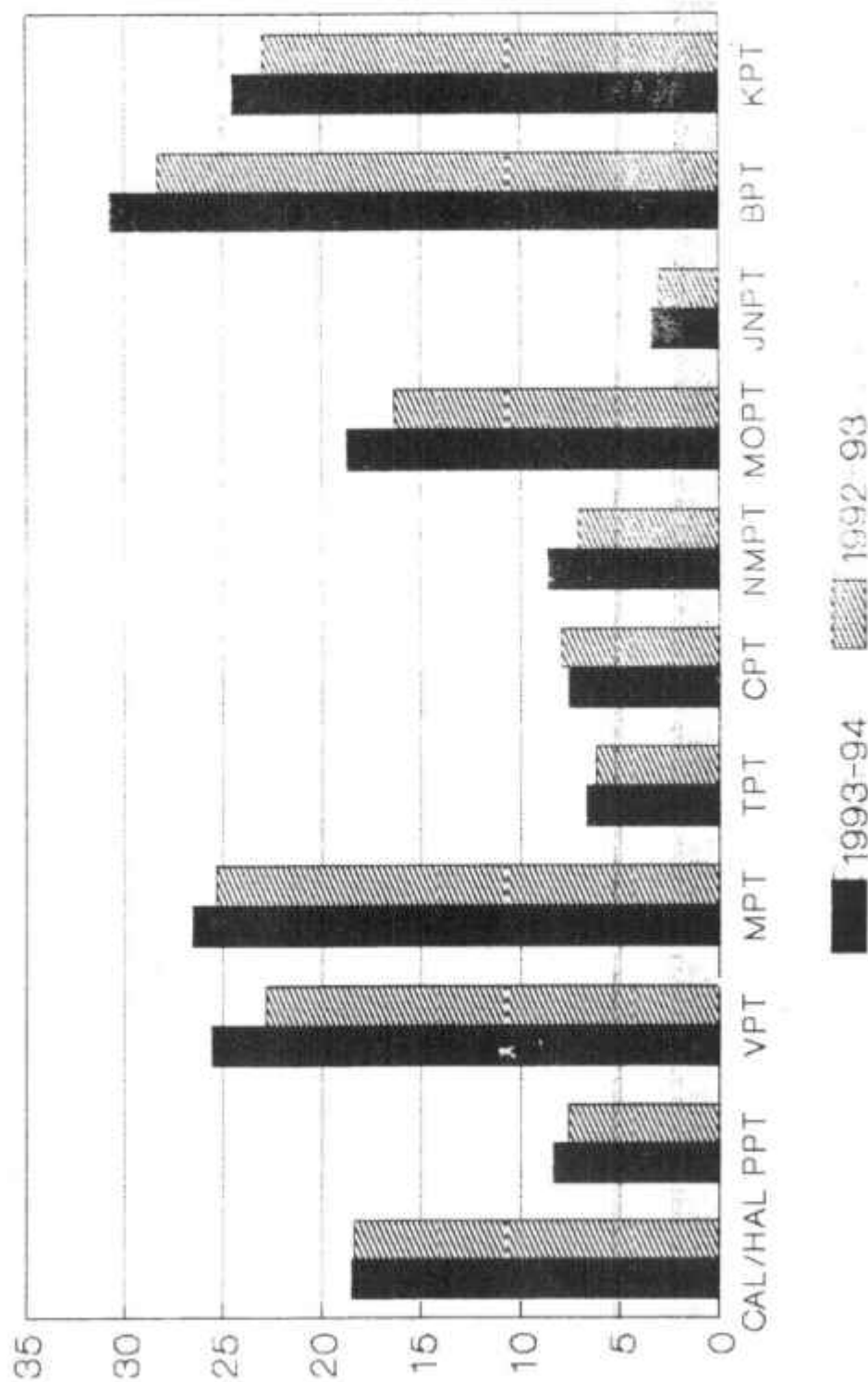
<u>Commodity</u>	<u>Capacity as on</u>	
	<u>31.3.93</u>	<u>31.3.94</u>
1. POL	78.00	78.00
2. Iron ore	41.50	41.50
3. Coal	7.00	8.00
4. Fertilizer & its raw material	7.95	7.95
5. Others incl. Containers	36.58	37.14
Total All Ports	<u>171.03</u>	<u>172.59</u>

(iv)

PERFORMANCE OF MAJOR PORTS

1993-94

Traffic Handled at Major Ports (In Million Tonnes)



Performance of Ports at a Glance 1993-94

At present there are 11 major Ports and 163 minor/intermediate Ports in the country. The major Ports in the country handled 179.26 million tonnes of cargo during the year 1993-94 as against 165.86 million tonnes handled during 1992-93 and thus registered an increase of 8.1% during 1993-94. Traffic handled at minor Ports during 1993-94 was 14.24 million tonnes which is only 7% of the traffic handled at Indian Ports. Traffic handled at minor ports was 9% higher than that of 1992-93. Statewise overseas and coastal traffic at minor Ports is given in Table-VI.

2. Trend analysis of commoditywise cargo traffic handled in 1993-94 at major Ports shows that commodities like POL, Coal, Iron ore, Fertilizer and others including containerised cargo registered increase while commodities like fertilizer raw material and food grains showed decline in 1993-94 as compared to 1992-93.

3. POL handled during 1993-94 was 76.92 million tonnes as against 72.56 million tonnes during 1992-93. The increase in POL was 6%. Iron ore handled during 1993-94 was 34.13 million tonnes as against 29.83 during 1992-93. The increase in Iron ore handled was 14.4%. The fertilizer handled during 1993-94 was 4.26 million tonnes as against 3.60 million tonnes

during 1992-93. The percentage increase in case of fertilizer during 1993-94 was 18.3%. During 1993-94, 26.43 million tonnes of coal was handled as against 24.49 million tonnes during 1992-93 registering an increase of 7.9%. The containerised cargo handled during 1993-94 was 12.25 million tonnes as against 7.62 million tonnes during 1992-93. The percentage increase in this case was 60.8%. The number of containers handled during 1993-94 was 1052 thousand TEUs as against 797 thousand TEUs during 1992-93. The percentage increase during 1993-94 was 32%. Fertilizer raw material (Dry) during 1993-94 was 3.19 million tonnes against 3.78 million tonnes during 1992-93.

4. The total traffic handled at major ports was 179.26 million tonnes during 1993-94 as against the capacity of 171.03 million tonnes (as on March, 1993) available at all major ports to handle traffic.

5. Ships sailed after cargo operation increased from 10044 in 1992-93 to 10570 in 1993-94 thereby registering an increase of 5.2 percent.

6. The average pre-berthing detention at all India level was 1.8 days during 1993-94 as against 1.9 days during 1992-93. In the year 1993-94, the average turn round time was 6.9 days whereas it was 7.5 days in the year 1992-93. Average non-working time at berth for all

ports was 2.09 days in 1993-94 as against 2.37 days in 1992-93. 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.

7. Portwise performance during 1993-94 is as under:-

KANDLA

Kandla Port handled 24.50 million tonnes during 1993-94 as against 22.91 million tonnes during 1992-93 registering an increase of 6.9%. The main commodities handled at Kandla Port are POL, fertilizer, FRM and food-grains. In 1993-94, increase was mainly in case of fertilizer. Capacity utilisation of the Port during 1993-94 was 118 percent. Average pre-berthing time at Kandla Port was 3.05 days in 1993-94 in comparison to 3.53 days in 1992-93 and 1.8 days for all Ports during 1993-94. Average turn round time was 7.4 days in 1993-94 as compared to 6.9 days for all Ports. Average non-working time at Kandla Port was 1.2 days as compared to 2.1 days for all Ports during 1993-94. In 1992-93, it was 1.5 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 30.75 million tonnes during 1993-94 as against 28.31 million tonnes during 1992-93. The increase in traffic handled during 1993-94 was 8.6%. The increase in traffic was mainly in containerised cargo during 1993-94. Capacity utilisation was 115 percent during 1993-94. Average pre-berthing time at Bombay was 2.37 days in 1993-94 as against 2.32 days in 1992-93. It is also more than average pre-berthing time at all Ports i.e. 1.8 days in 1993-94. It was more in commodities like fertilizer, FRM and other dry bulk. Average turn round time at Bombay Port was 8.64 days in 1993-94 as against 8.57 days in 1992-93. 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 2.8 days in 1993-94 as compared to 2.9 days in 1992-93. It was more than all major Ports i.e. 2.1 days. It was more in commodities like fertilizer, FRM and other dry bulk. Total coastal and overseas unloaded traffic at Bombay Port was 17% of the total unloaded traffic at all Ports.

MADRAS

During 1993-94, Madras Port handled 26.54 million tonnes as against 25.33 million tonnes during 1992-93. The major commodities handled were POL, Iron ore, Coal and general cargo. Total coastal and overseas unloaded traffic at Madras Port was about 17 percent of

total unloaded traffic at all major Ports. Average pre-berthing time at Madras Port was 1.90 days during 1993-94 as compared to 2.04 days during 1992-93. It was also slightly higher than pre-berthing time at all Ports i.e. 1.8 days. Average turn round time at Madras Port was 7.16 days during 1993-94 which was more than average turn round time at all Ports i.e. 6.9 days. The average non-working time at berth during 1993-94 was 2.54 days which was more than at all Ports and also more than that of 1992-93. Capacity utilisation at Madras Port was 115 percent.

MORMUGAO

This Port handled 18.72 million tonnes during 1993-94 as against 16.31 million tonnes during 1992-93 registering an increase of 15 percent. The major commodity handled was Iron ore. Average pre-berthing time at Mormugao Port during 1993-94 was 0.76 days as compared to 1.08 days during 1992-93. Also it was lower than average pre-berthing at all Ports i.e. 1.8 days. Average turn round time at Mormugao Port was 6.15 days as compared to 7.21 during 1992-93. Also it was less than average turn round time at all Ports. It was highest in case of fertilizers, i.e. 30.7 days. Average non-working time during 1993-94 was 3.00 days which was higher than all Ports i.e. 2.1 days. But this was less than 1992-93, i.e. 3.61 days. Capacity utilisation at Mormugao Port was 118 percent. Overseas traffic loaded at this Port is about 29 percent of the total overseas loaded traffic.

VISAKHAPATNAM

This Port handled 25.60 million tonnes during 1993-94 as against 22.77 million tonnes during 1992-93. The major increase was in Coal and general cargo whereas there was significant decline in Fertilizer and FRM. Capacity utilisation at the Port during 1993-94 was 111 percent. The average pre-berthing time at Port during 1993-94 was 1.24 days which was less than all Ports pre-berthing time i.e. 1.8 days. It was also less than that of 1992-93 (1.78). The average turn round time at Visakhapatnam during 1993-94 was 5.97 days. It was less than average turn round time at all Ports i.e. 6.9 days and also than that of 1992-93 i.e. 7.20 days. It was maximum in case of fertilizer, fertilizer raw material and general cargo. Average non-working time at this Port during 1993-94 was 1.18 days which was less than all Ports average non-working time. It was also less than that of 1992-93 (1.69 days). About 14% of overseas traffic was unloaded and 13% of overseas traffic was loaded at this Port. Coastal traffic loaded at this Port was about 19 percent.

COCHIN

This Port handled 7.62 million tonnes during 1993-94 as against 7.98 million tonnes during 1992-93. The major commodity handled was POL. Capacity utilisation of this Port is 71 percent. Average pre-berthing time during 1993-94 at Cochin Port remained at the same level of 1992-93, i.e. 0.98 days which was less than pre-berthing time at all Ports. Average-

(x)

age turn round time during 1993-94 at Cochin Port was 4.51 days which was lower than average turn round time at all Ports (6.9 days). It was also less than that of 1992-93 i.e. 5.50 days. Average non-working time at berth at Cochin Port was 1.65 days which was lower than that at all Ports and in 1992-93. About 20% of the total coastal traffic was unloaded at this Port during 1993-94.

NEW MANGALORE

This Port handled 8.63 million tonnes during 1993-94 as against 7.09 million tonnes during 1992-93 registering an increase of 22%. The capacity utilisation of this Port was 90%. Average pre-berthing time was 1.91 days during 1993-94 which was more than that of 1992-93 (1.36 days) and pre-berthing time of all Ports i.e. 1.8 days. Average turn round time at New Mangalore Port during 1993-94 was 5.40 days which was less than that of 1992-93 i.e. 6.37 days. This was also less than average turn round time at all Ports i.e. 6.9 days. Average non-working time at this Port was 1.74 days which was less than that of non-working time at all Ports i.e. 2.1 days and also 1992-93 i.e. 2.33 days. About 13% of the total overseas traffic was loaded at this Port.

TUTICORIN

During 1993-94, this Port handled 6.70 million tonnes as against 6.21 million tonnes

(xi)

during 1992-93. The major commodities handled were coal and general cargo. Capacity utilisation at this Port was 131%. Average pre-berthing time during 1993-94 was 1.99 days which was more than that of average pre-berthing time at all Ports (1.8 days) and also that of during 1992-93 (1.59 days). Average turn round time was 5.81 days in 1993-94 as compared to 5.55 days during 1992-93. This was less than the average turn round time at all Ports i.e. 6.9 days. Average non-working time at berth during 1993-94 was 1.80 days as compared to 1.75 days in 1992-93. This was less than average non-working time at all Ports i.e. 2.1 days during 1993-94. About 20 percent of coastal traffic was unloaded at this Port.

PARADIP

This Port handled 8.33 million tonnes during 1993-94 as against 7.61 million tonnes during 1992-93. The main commodities handled were Coal and Iron Ore. Capacity utilisation at this Port was 109%. Average pre-berthing time during 1993-94 was 1.35 days which was lower than that of 1992-93 i.e. 1.48 days. This was also lower than pre-berthing time at all Ports during 1993-94. Average turn round time was 5.64 days which was less than that of 1992-93 i.e. 5.93 days and at all Ports i.e. 6.9 days. Average non-working time during 1993-94 was 1.06 days. This was less than that of 1992-93 (1.07 days) and average non-working time at all Ports i.e. 2.1 days. About 16 percent of coastal traffic was loaded at this Port.

CALCUTTA/HALDIA

This Port handled 18.50 million tonnes during 1993-94 as against 18.34 million tonnes during 1992-93. The increase of traffic during 1993-94 was Coal and general cargo. Average pre-berthing time at Calcutta was 0.98 day during 1993-94 which was more than that in 1992-93, i.e. 0.75. Average pre-berthing time at Calcutta was less than that of all Ports i.e. 1.8 days. At Haldia pre-berthing detention was 1.61 days during 1993-94 which was less than during 1992-93 i.e. 1.99 days. At Haldia also, pre-berthing was less than that of at all Ports. Average turn round time at Calcutta was 9.30 days in 1993-94 which was higher than that of average turn round time at all Ports (6.9 days). Average turn round time at Calcutta was higher due to commodities like fertilizer, FRM and general cargo. The average turn round time at Haldia was 5.73 days during 1993-94 as compared to 6.67 days during 1992-93. Average non-working time at berth at Calcutta during 1993-94 was 3.13 days while it was 1.45 days at Haldia as compared to 2.1 days at all Ports. Average non-working time both at Calcutta and Haldia during 1993-94 was marginally lower than that of 1992-93. Capacity utilisation at Calcutta was 77% while that of Haldia was 79%. About 13% of overseas traffic was unloaded and 19% of coastal traffic was loaded during 1993-94 at Calcutta/Haldia Port.

J.L. NEHRU

This Port handled 3.39 million tonnes during 1993-94 as against 3.01 million tonnes

during 1992-93. The major increase was in fertilizer and container traffic. This Port handled only overseas traffic. The average pre-berthing time during 1993-94 was 1 day which was less than 1.7 days during 1992-93. This was also lower than that of pre-berthing time at all Ports i.e. 1.8 days. The average turn round time was 5.2 days during 1993-94 as well as 1992-93. However, this was less than that of 6.9 days which was the average turn round time at all Ports.

TABLE - I

Number of Major and Minor Ports
in the Maritime States -- 1993-94

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

TABLE - II

Port Capacities as on 31-3-94

(In Million Tonnes)

Commodity	Calcutta	Haldia	Paradip	Vizag	Madras	Tuticorin	Cochin	New Mangalore	Mormugao	Bombay	Kandla	JL Nehru	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
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+trans-shipper)	-	-	-	41.50 (5+trans-shipper)
Coal	-	5.00 (2)	-	-	-	3.00 (2)	-	-	-	-	-	-	8.00 (4)
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)	1.30 (3)	1.65 (4)	3.50 (12)	3.65 (15)	2.00 (6)	1.40 (9)	1.05 (4)	0.42 (2)	7.55 (44)	3.30 (9)	-	28.62 (132)
Containers	1.55 (2)	0.30 (1)	-	-	1.92 (2)	-	0.50 (2)	-	-	1.25 (3)	-	3.00 (3)	8.52 (13)
Total	6.75 (32)	16.90 (9)	7.65 (6)	23.35 (17)	22.07 (20)	6.10 (9+Bzone)	10.80 (15)	9.55 (6)	15.92 (4+trans)	26.80 (52)	20.80 (12+SBM)	5.90 (5)	172.59 (187+SBM+trans)

Note:- Increase in Capacity during 93-94 shown below

- i) Tuticorin Coal 1.00 MT (1)
 ii) Haldia General Cargo 0.12 MT (1)
 iii) Vizag General Cargo 0.30 MT (1)
 iv) Cochin Containers 0.14 MT

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

TABLE - III

Major Ports - Capacity and Traffic -- 1993-94

Port	Capacity/ Traffic	POL	Iron Ore	Coal	Ferti- liser & FRM	Other Cargo	Contai- ner	(In Million Tonnes)	
								1.	2.
Calcutta	Capacity Traffic	2.40 1.62	-	-	-	2.80 1.92	1.55 1.40	6.75 5.17	9.
Haldia	Capacity Traffic	8.50 7.07	-	5.00 5.43	1.80 0.21	1.18 0.53	0.30 0.09	16.78 13.33	
Paradip	Capacity Traffic	0.34	4.00 1.52	4.69	2.00 0.26	1.65 1.52	-	7.65 8.33	
Visakhapatnam	Capacity Traffic	11.50 8.91	8.00 5.23	6.58	0.35 1.52	3.20 3.27	0.08	23.05 25.59	
Madras	Capacity Traffic	8.50 10.94	8.00 4.54	5.87	-	3.65 2.44	1.92 1.61	22.07 26.54	
Tuticorin	Capacity Traffic	1.10 0.46	-	2.00 3.81	0.34	2.00 1.69	0.40	5.10 6.70	
Cochin	Capacity Traffic	8.50 6.05	-	-	0.40 0.44	1.40 0.70	0.36 0.43	10.66 7.62	
New Mangalore	Capacity Traffic	1.00 0.65	7.50 7.06	-	-	1.05 0.75	0.01	9.55 8.63	
Mormugao	Capacity Traffic	1.50 2.10	14.00 15.75	-	0.14	0.42 0.72	0.01	15.92 18.72	
J.L. Nehru	Capacity Traffic	-	-	-	2.90 0.88	-	3.00 2.08	5.90 3.39	
Bombay	Capacity Traffic	18.00 20.62	-	-	-	7.55 3.78	1.25 5.41	26.80 30.74	
Kandla	Capacity Traffic	17.00 18.16	0.03	0.05	0.50 1.19	3.30 4.34	0.73	20.80 24.50	
All Ports	Capacity Traffic	78.00 76.92	41.50 34.13	7.00 26.43	7.95 7.44	28.20 22.09	8.38 12.25	171.03 179.26	

Note :- Capacity as on 31.3.1993.
Traffic - 1993-94 (Provisional).

TABLE - IV

Traffic handled at Major Ports of selected commodities -- 1993-94*

('000 Tonnes)

Port	POL	Iron Ore	Fertiliser	FRM	Food-grains	Coal	Containerised Cargo		Others	Total
							'000 Tonnes	'000 TEUs		
Kandla	18157	34	824	370	599	45	730	51	3741	24500
Bombay	20621	-	52	876	315	-	5413	428	3468	30745
JL. Nehru	-	-	855	23	275	-	2077	177	158	3388
Mormugao	2099	15748	141	-	11	-	10	2	708	18717
New Mangalore	646	7061	106	55	-	-	15	2	748	8631
Cochin	6047	-	53	385	19	-	426	71	689	7619
Tuticorin	463	-	205	138	29	3812	405	48	1648	6700
Madras	10944	4536	856	288	69	5874	1606	162	2369	26542
Visakhapatnam	8905	5231	683	835	76	6580	81	9	3204	25595
Paradip	345	1518	256	-	-	4688	-	-	1520	8327
Calcutta/Haldia	8696	-	224	217	103	5428	1486	102	2342	18496
All Ports	76923	34128	4255	3187	1496	26427	12249	1052	20595	179260

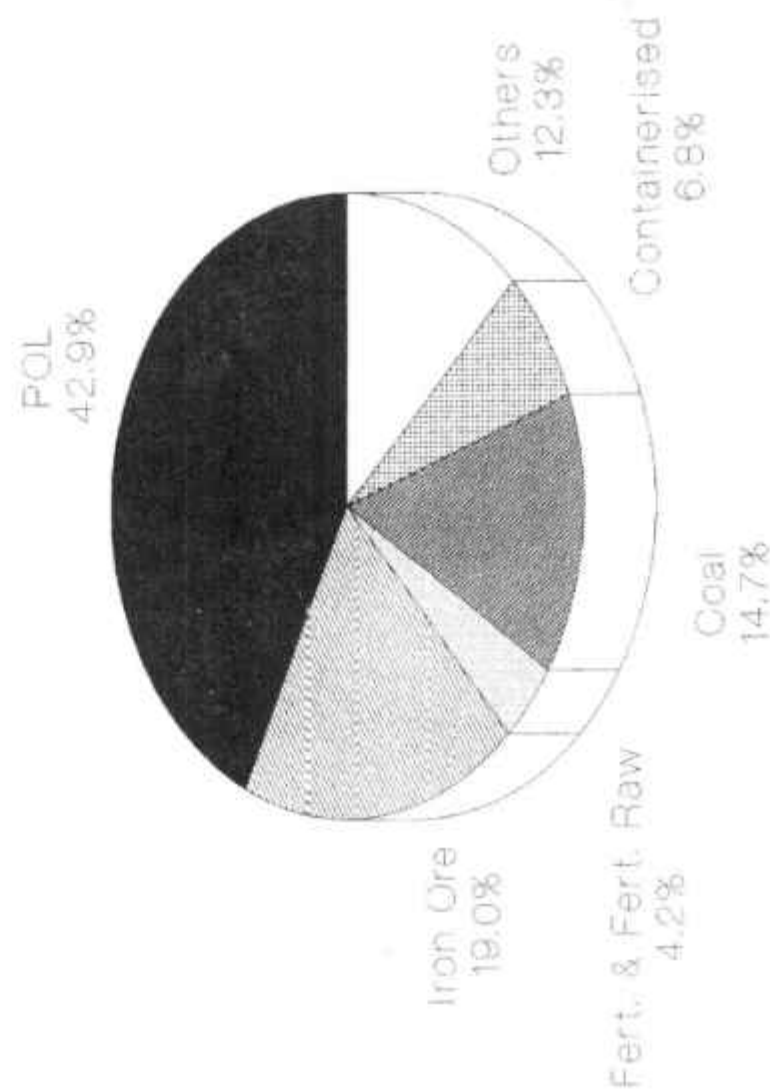
* : Provisional.

Source:- Indian Ports Association.

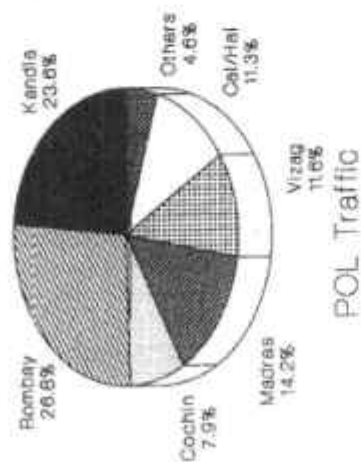
Traffic Handled at Major Ports

(In Million Tonnes)

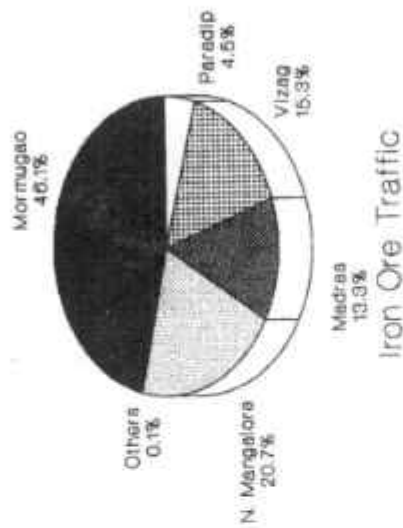
1993-94



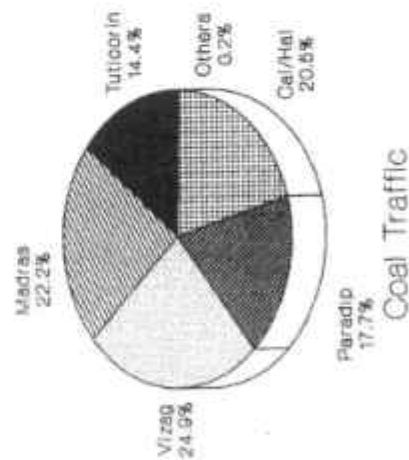
Traffic Handled at Major Ports
(In Million Tonnes)
1993-94



Traffic Handled at Major Ports
(In Million Tonnes)
1993-94



Traffic Handled at Major Ports
(In Million Tonnes)
1993-94



Traffic Handled at Major Ports
(In Million Tonnes)
1993-94

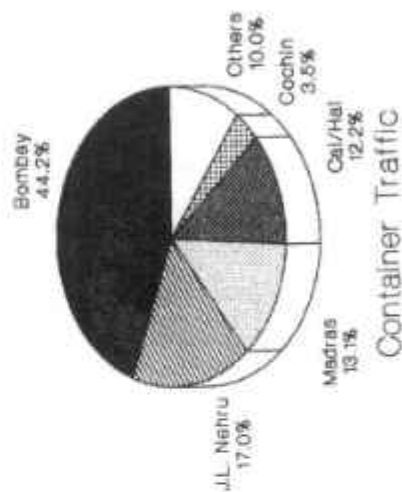


TABLE - V

Traffic Handled at Major Ports in India - 1993-94*
(Overseas and Coastal)

(In Million Tonnes)

Port	Overseas				Coastal				Overseas & Coastal			
	Loaded	Unloaded	Tran-shipment	Total	Loaded	Unloaded	Tran-shipment	Total	Loaded	Unloaded	Tran-shipment	Total
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.
Kandla	3.45	17.77	-	21.22	0.10	3.18	-	3.28	3.55	20.95	-	24.50
Bombay	5.11	17.03	-	22.14	8.50	0.11	-	8.61	13.61	17.14	-	30.75
J.L. Nehru	1.32	2.07	-	3.39	-	-	-	-	1.32	2.07	-	3.39
Mormugao	15.66	0.93	0.98	17.57	0.52	0.59	0.04	1.15	16.18	1.52	1.02	18.72
New Mangalore	7.15	0.64	-	7.79	0.23	0.61	-	0.84	7.38	1.25	-	8.63
Cochin	0.76	1.89	-	2.65	0.52	4.45	-	4.97	1.28	6.34	-	7.62
Tuticorin	1.09	1.25	-	2.34	Neg.	4.35	-	4.35	1.09	5.60	-	6.69
Madras	7.82	11.08	1.21	20.11	0.89	4.85	0.69	6.43	8.71	15.93	1.90	26.54
Visakhapatnam	7.09	10.07	1.43	18.59	4.43	1.40	1.18	7.01	11.52	11.47	2.61	25.60
Paradip	2.06	2.24	0.34	4.64	3.68	Neg.	-	3.68	5.74	2.24	0.34	8.32
Haldia	0.20	8.35	-	8.55	4.28	0.49	-	4.77	4.48	8.84	-	13.32
Calcutta	1.51	1.68	0.03	3.22	0.26	1.67	0.03	1.96	1.77	3.35	0.06	5.18
All Ports	53.22	75.00	3.99	132.21	23.41	21.70	1.94	47.05	76.63	96.70	5.93	179.26

* : Provisional.

Source:- Indian Ports Association.

TABLE - VI

Cargo Traffic at Minor/Intermediate Ports -- 1993-94*

('000 Tonnes)

State / U.T.	Overseas			Coastal			Overseas & Coastal		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
Gujarat	3196	5140	8336	2087	1076	3163	5283	6216	11499
Maharashtra	16	-	16	653	13	666	669	13	682
Goa	-	-	-	-	-	-	-	-	-
Daman & Diu	-	-	-	-	-	-	-	-	neg.
Karnataka	...	...	-	...	...	...	...	...	...
Kerala	...	...	-	...	...	...	...	...	...
Tamil Nadu	58	18	76	-	-	-	58	18	76
Pondicherry	22	-	22	-	-	-	22	-	22
Andhra Pradesh	590	1151	1741	10	-	10	600	1151	1751
Orissa	130	81	211	-	-	-	130	81	211
Lakshdweep	...	...	-	...	...	...	...	...	...
Total	4012	6390	10402	2750	1089	3839	6762	7479	14241

* : Provisional.

(xx)

TABLE - VII

Month-wise Vessels arrived, sailed and Traffic handled during 1993-94*

Name of the Port	April 1993	May 1993	June 1993	July 1993	Aug. 1993	Sept. 1993	Oct. 1993	Nov. 1993	Dec. 1993	Jan. 1994	Feb. 1994	March 1994
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.
Kandla												
i) Arrived	99	82	88	93	90	96	104	107	131	135	121	123
ii) Sailed	88	96	86	82	103	85	99	114	129	147	103	134
iii) Traffic handled	1775	1961	1601	1918	2415	2014	2108	1854	2233	2301	1940	2381
('000 Tonnes)												
Bombay												
i) Arrived	175	184	182	166	179	138	..	194	179	139	190	212
ii) Sailed	174	165	167	154	183	99	..	198	220	145	199	206
iii) Traffic handled	2630	1877	2555	2296	2820	2521	2532	2906	2889	2708	2600	2715
('000 Tonnes)												
J.L. Nehru												
i) Arrived	35	38	41	28	31	..	25	31	25	38	32	41
ii) Sailed	28	31	36	32	35	..	26	31	22	37	30	40
iii) Traffic handled	321	378	277	251	287	298	277	313	205	321	231	228
('000 Tonnes)												
Mormugao												
i) Arrived	61	55	50	46	41	41	53	64	74	62	73	80
ii) Sailed	65	61	49	43	44	40	55	70	67	59	89	73
iii) Traffic handled	2725	2281	505	385	236	591	1620	1854	2327	1759	2173	2140
('000 Tonnes)												

* : Provisional

TABLE - VII

Month-wise Vessels arrived, sailed and Traffic handled during 1993-94*
(Contd.)

Name of the Port	April 1993	May 1993	June 1993	July 1993	Aug. 1993	Sept. 1993	Oct. 1993	Nov. 1993	Dec. 1993	Jan. 1994	Feb. 1994	March 1994
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.
New Mangalore												
i) Arrived	42	38	39	29	42	39	42	34	44	35	46	49
ii) Sailed	44	34	38	32	41	38	45	37	43	33	47	49
iii) Traffic handled	915	599	920	537	651	673	700	510	797	522	892	913
('000 Tonnes)												
Cochin												
i) Arrived	53	47	55	57	64	59	72	68	74	75	67	66
ii) Sailed	60	47	50	54	65	62	70	69	76	72	68	65
iii) Traffic handled	405	473	522	667	777	669	718	660	765	718	611	636
('000 Tonnes)												
Tuticorin												
i) Arrived	56	70	56	63	88	72	75	74	60	86	75	83
ii) Sailed	58	61	60	66	77	75	80	69	63	79	74	92
iii) Traffic handled	409	478	478	509	517	591	587	646	548	633	501	802
('000 Tonnes)												
Madras												
i) Arrived	129	115	129	127	129	121	116	117	106	129	118	141
ii) Sailed	124	133	115	133	127	128	132	101	116	122	116	145
iii) Traffic handled	2205	2236	2377	2672	2302	2322	1986	1845	2002	2068	1910	2618
('000 Tonnes)												

* : Provisional

TABLE - VII

Month-wise Vessels arrived, sailed and Traffic handled during 1993-94*
(Contd.)

Name of the Port	April 1993	May 1993	June 1993	July 1993	Aug. 1993	Sept. 1993	Oct. 1993	Nov. 1993	Dec. 1993	Jan. 1994	Feb. 1994	March 1994
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.
Visakhapatnam												
i) Arrived	75	73	92	99	83	80	98	90	95	90	93	116
ii) Sailed	71	77	83	87	85	93	91	84	105	94	92	108
iii) Traffic handled	1693	1851	2054	2061	2080	2100	2394	1946	2155	2409	2235	2618
('000 Tonnes)												
Paradip												
i) Arrived	29	29	28	37	33	31	29	..	36	35	26	44
ii) Sailed	28	35	23	43	31	34	31	..	36	33	27	40
iii) Traffic handled	562	565	512	747	685	784	673	817	658	883	633	806
('000 Tonnes)												
Haldia												
i) Arrived	51	50	46	60	56	57	62	65	70	72	64	68
ii) Sailed	48	53	41	63	57	52	66	62	75	67	69	68
iii) Traffic handled	906	941	724	1226	1155	994	1203	1140	1232	1218	1284	1278
('000 Tonnes)												

* : Provisional

Source : Indian Ports Association.

TABLE - VII

Month-wise Vessels arrived, sailed and Traffic handled during 1993-94*
(Contd.)

Name of the Port	April 1993	May 1993	June 1993	July 1993	Aug. 1993	Sept. 1993	Oct. 1993	Nov. 1993	Dec. 1993	Jan. 1994	Feb. 1994	March 1994
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.
Calcutta												
i) Arrived	55	64	46	69	59	62	61	69	63	64	60	61
ii) Sailed	65	61	42	74	57	59	63	70	64	60	67	58
iii) Traffic handled	388	385	316	468	373	413	390	473	454	402	477	551
('000 Tonnes)												
ALL PORTS												
i) Arrived	860	845	852	874	895	796	737	913	957	960	965	1084
ii) Sailed	853	854	790	863	905	765	758	905	1016	948	981	1078
iii) Traffic handled	14934	14025	12841	13737	14298	13970	15188	14964	16265	15942	15487	17686
('000 Tonnes)												

* : Provisional

TABLE - VIII

Selected Port Performance Indicators (Port-wise) -- 1993-94* (Contd.)

Item	J.L.		New		Visa-		All						
	Kandla	Bombay	Nehr	Mormu-	Manga-	Cochin	Tuti-	Madras	khapa-	Paradip	Haldia	Calcu-	Ports
				Gao	lore		corin		tnam			tta	
4.X Idle time to time at working berth													
i)Dry-bulk	14.1	30.6	-	27.6	43.5	43.9	35.7	37.3	18.6	26.4	41.4	47.2	28.2
ii)Tankers	32.9	34.3	-	45.6	36.5	29.5	38.2	32.8	29.9	-	41.1	50.0	35.0
iii)Break-bulk	15.2	41.2	-	37.8	56.5	50.1	53.0	43.8	21.9	19.3	38.2	49.5	41.3
iv)Container	13.7	27.4	42.7	40.0	52.0	52.0	42.4	54.7	21.3	-	57.4	27.2	36.3
v)All Types	18.6	35.8	24.2	31.7	49.3	44.8	45.7	41.4	21.1	23.9	41.4	46.0	35.2
5.Output per ship berth day(tonnes)													
i)Dry-bulk	1344	842	2094	9367	11753	1636	4831	4852	5665	5365	4438	558	4727
ii)Tankers	20006	12299	-	7842	5376	13523	4953	15254	14525	9195	14410	2776	12863
iii)Break-bulk	1191	543	-	696	598	422	623	652	1360	1680	665	428	662
iv)Container	2427	1998	2582	948	611	852	1077	1718	1066	-	1715	1940	1844
v)All Types	5486	2648	2371	8341	5503	4031	2194	4245	5697	5462	6286	915	3957

* : Provisional.

Average Pre-berthing Waiting Time (In days)

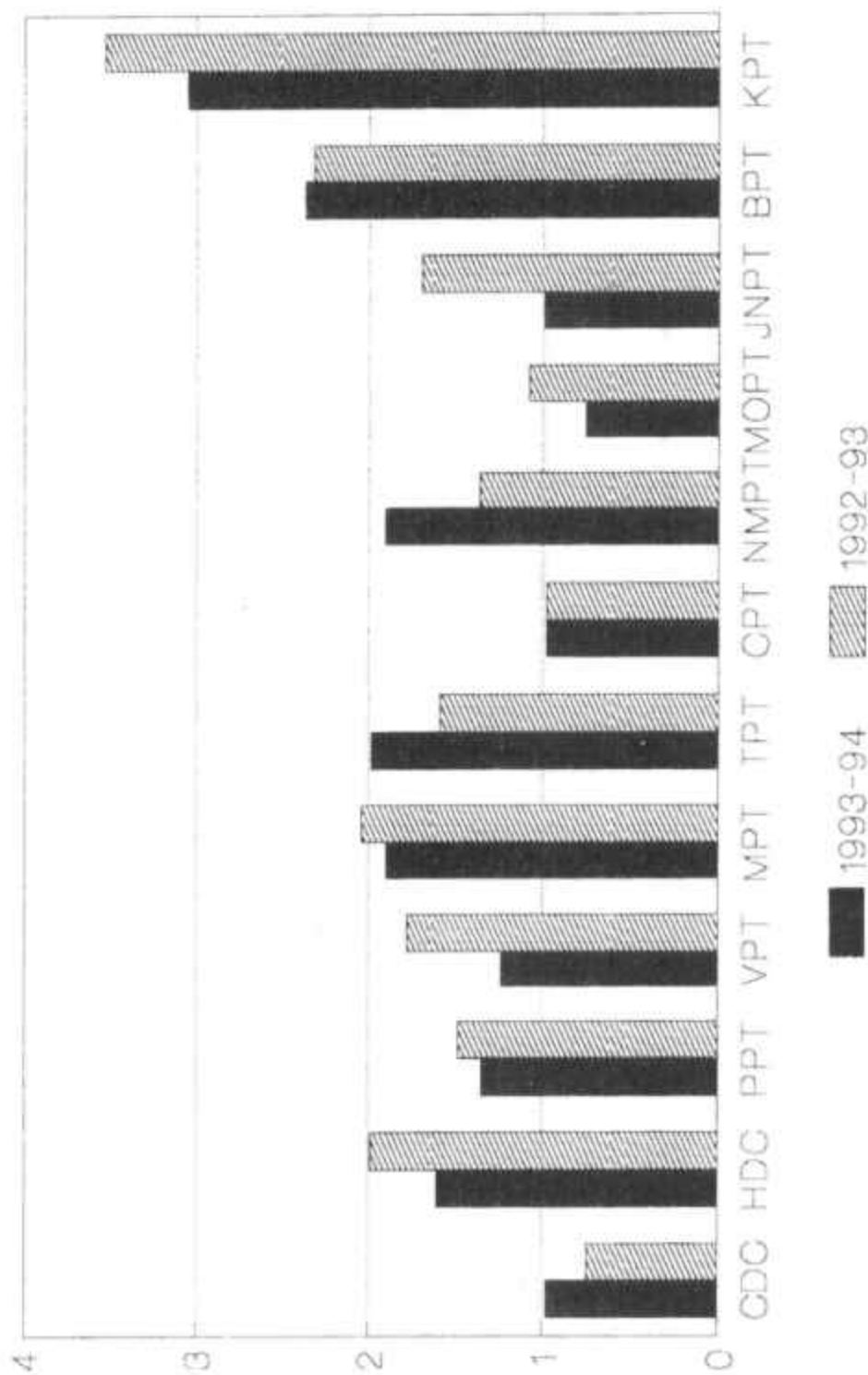


TABLE - IX

Major ports - Average pre-berthing time - 1993-94*

Commodity	Port	Calcutta	Haldia	Para- dip	Vizag	Madras	Tutic- corin	Cochin	NMPT	Mormu- gaon	Bombay	Kandla	(In days)
													All Ports
P.O.L.	1993-94	0.89	1.60	2.95	0.54	2.05	0.79	1.47	0.53	1.58	3.05	2.61	1.91
	1992-93	0.51	2.35	3.03	0.99	2.31	1.05	1.82	0.54	2.07	2.55	2.66	2.03
Iron Ore	1993-94	-	-	1.44	0.41	2.28	-	-	5.11	0.05	-	0.70	1.97
	1992-93	-	-	0.83	1.37	0.62	-	-	1.84	0.20	-	4.06	0.94
Coking Coal	1993-94	-	2.20	1.34	4.06	11.06	-	-	-	-	-	4.11	3.19
	1992-93	-	1.95	0.99	4.19	-	-	-	-	-	-	15.46	2.95
Thermal Coal	1993-94	-	0.75	0.60	0.38	0.65	1.75	-	-	-	-	-	2.47
	1992-93	-	1.02	0.52	0.70	1.54	1.08	-	-	-	-	-	1.04
Fertilizers	1993-94	1.61	3.20	3.21	2.18	2.76	0.88	0.45	2.35	0.56	8.77	4.91	2.64
	1992-93	2.04	3.63	17.17	4.04	10.12	4.45	10.58	16.09	0.48	26.76	8.74	6.83
Raw Materials	1993-94	3.43	2.41	-	1.34	2.29	3.13	0.73	0.27	-	8.98	3.83	3.94
	1992-93	2.04	4.60	1.20	3.79	3.42	2.84	0.69	-	-	6.80	12.07	5.26
Other Dry Bulk	1993-94	-	2.65	1.51	1.35	2.65	4.35	0.23	0.25	0.25	4.44	4.42	2.38
	1992-93	1.20	2.40	2.68	2.43	5.67	1.67	1.65	1.48	0.37	11.42	5.47	3.76
Other Lqd. Bulk	1993-94	1.55	1.33	0.18	0.19	0.57	0.61	0.57	0.34	0.25	1.30	1.97	1.10
	1992-93	1.68	0.79	0.36	0.54	0.30	0.96	0.35	0.33	0.79	1.66	1.45	1.00
General Cargo	1993-94	0.97	1.48	0.92	1.46	1.62	2.93	1.48	0.35	0.20	1.89	4.31	2.06
	1992-93	0.77	2.37	1.01	1.66	2.12	2.21	0.29	0.85	0.05	1.79	4.96	1.87
Containers	1993-94	0.82	0.16	-	0.20	2.41	0.01	0.52	0.24	0.02	1.70	0.95	1.28
	1992-93	0.51	0.24	-	0.27	0.36	0.63	0.45	0.16	0.14	1.34	1.84	0.67
Total	1993-94	0.98	1.61	1.35	1.24	1.90	1.98	0.98	1.91	0.76	2.37	3.05	1.84
	1992-93	0.75	1.89	1.48	1.76	2.04	1.59	0.98	1.36	1.06	2.37	3.53	1.92

Note :- Source - Indian Ports Association.

* Provisional.

All Ports do not include A.L. Nenu Port's data.

Average Turn Round Time (In days)

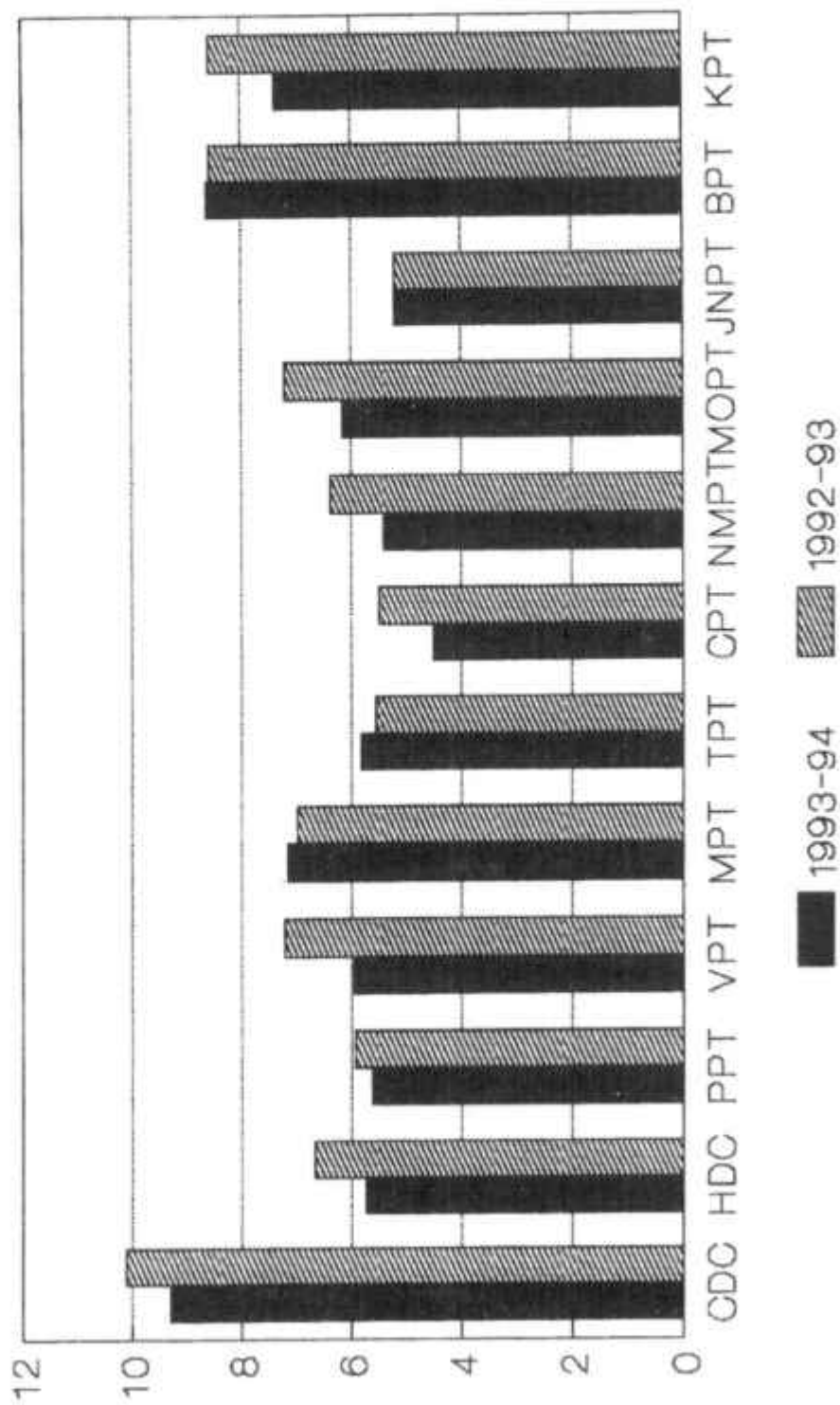


TABLE - X

Major Ports - Average Turn Round Time -- 1993-94*

Commodity	Port	(in days)									
		Calcutta	Haldia	Para-dip	Vizag	Madras	Tuticorin	Cochin	NMPT	Mormugao	Kandla
P.O.L.	1993-94	4.81	3.96	4.34	2.58	3.98	2.63	3.84	1.55	4.85	4.42
	1992-93	4.39	4.43	4.77	3.41	4.12	2.85	6.53	1.93	5.30	4.67
Iron Ore	1993-94	-	-	3.83	3.49	6.49	-	-	8.93	7.93	8.78
	1992-93	-	-	3.69	5.74	3.46	-	-	3.69	7.33	9.62
Coking Coal	1993-94	-	10.23	6.77	10.56	21.08	-	-	-	-	11.99
	1992-93	-	10.52	6.08	11.12	-	-	-	-	-	23.78
Thermal Coal	1993-94	-	4.33	5.35	5.40	6.37	5.59	-	-	-	-
	1992-93	-	5.57	5.30	6.70	6.66	5.03	-	-	-	-
Fertilizers	1993-94	19.73	29.00	21.07	18.59	21.82	13.82	20.16	31.96	30.71	24.37
	1992-93	26.10	29.95	47.23	28.51	44.30	24.14	60.17	63.38	59.23	54.21
Raw Materials	1993-94	20.18	15.23	-	9.86	16.34	13.33	12.63	13.54	-	21.84
	1992-93	16.53	21.78	9.77	13.82	14.28	10.24	18.41	-	-	24.83
Other Dry Bulk	1993-94	-	22.86	5.71	6.13	14.03	13.11	7.03	11.08	5.60	19.93
	1992-93	16.40	17.60	7.21	10.05	16.55	9.89	20.41	17.26	6.32	11.97
Other Liquid Bulk	1993-94	6.12	4.16	2.20	1.73	2.70	1.80	2.97	2.01	2.11	3.70
	1992-93	5.54	2.86	1.67	1.97	2.04	2.47	1.55	1.11	4.47	4.57
General Cargo	1993-94	13.40	11.31	7.79	8.45	9.24	7.70	8.17	7.38	12.18	12.71
	1992-93	13.00	13.39	5.17	9.15	9.23	6.77	5.39	8.52	13.87	11.26
Containers	1993-94	6.03	2.03	-	1.84	6.32	2.73	3.47	1.56	0.56	3.82
	1992-93	7.43	2.65	-	1.64	2.31	2.17	2.93	1.89	0.72	4.57
Total	1993-94	9.30	5.73	5.64	5.97	7.16	5.81	4.51	5.40	6.15	6.54
	1992-93	10.11	6.67	5.93	7.20	6.97	5.55	5.50	6.37	7.21	8.57

Note: Source: Indian Ports Association.

* : Provisional.

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

TABLE - XI

Major Ports - Average Non-working time at berth - 1993-94*

[in days]

Port	Calcutta	Major ports	Para	Vizag	Madras	Tutic	Cochin	NMPT	Mormu	Bombay	Kandla	All	
Commodity	ton	dtp	dtp	dtp	dtp	corin	dtp	dtp	quo	dtp	dtp	Port	
P.O.L.	1993-94 1992-93	1.26 1.26	0.50 0.52	0.09 -	0.66 0.67	0.69 0.65	0.62 0.72	0.79 2.64	0.34 0.50	2.29 2.40	1.65 1.76	0.62 0.70	1.00 1.20
Iron Ore	1993-94 1992-93	- -	- -	1.20 1.33	0.67 1.90	2.40 1.36	- -	- -	0.62 0.72	4.14 4.04	- -	0.64 3.72	2.26 2.29
Coking Coal	1993-94 1992-93	- -	2.50 2.72	1.06 1.01	1.36 2.17	4.97 -	- -	- -	- -	- -	- -	0.73 1.11	1.72 2.13
Thermal Coal	1993-94 1992-93	- -	1.36 1.89	1.14 1.11	0.54 0.97	2.26 1.75	1.20 0.95	- -	- -	- -	- -	- -	1.43 1.36
Fertilizers	1993-94 1992-93	8.18 13.52	9.52 11.01	5.11 8.63	4.17 8.17	7.99 16.09	5.51 8.52	8.62 29.65	13.24 23.61	10.50 22.04	4.25 10.45	4.99 6.50	6.72 14.26
Raw Materials	1993-94 1992-93	7.41 5.63	6.49 8.23	- 0.68	2.35 1.20	7.51 4.29	5.83 1.54	6.00 12.51	8.09 -	- -	6.57 9.21	1.96 8.02	4.17 6.15
Other Dry Bulk	1993-94 1992-93	- 5.66	10.02 7.65	1.23 1.35	1.32 2.26	5.17 5.89	3.69 3.17	3.68 7.48	5.03 6.58	2.72 2.96	5.75 8.96	2.42 4.60	2.99 4.54
Other Lgd. Bulk	1993-94 1992-93	1.62 1.13	0.73 0.54	0.13 -	0.36 0.32	0.62 0.40	0.47 0.21	1.23 0.48	1.02 0.30	1.01 2.52	1.02 1.34	0.61 0.63	0.67 0.91
General Cargo	1993-94 1992-93	5.36 5.23	4.31 5.14	1.33 0.86	1.62 2.37	3.96 3.08	2.54 2.35	3.60 2.77	4.04 3.77	6.06 6.30	5.16 4.44	1.64 2.18	3.40 3.76
Containers	1993-94 1992-93	6.99 1.73	0.72 0.79	- -	0.32 0.32	2.25 0.86	0.61 0.64	1.46 1.15	0.64 0.89	0.20 0.19	1.30 1.12	0.57 0.72	1.27 1.04
Total	1993-94 1992-93	3.13 3.74	1.45 1.74	1.06 1.07	1.10 1.69	2.54 2.33	1.80 1.75	1.65 2.63	1.74 2.33	3.00 3.61	2.77 2.89	1.22 1.52	2.09 2.37

Note: - Source: Indian Ports Association.

* Provisional.

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

Output per Ship Berth Day (In Tonnes)

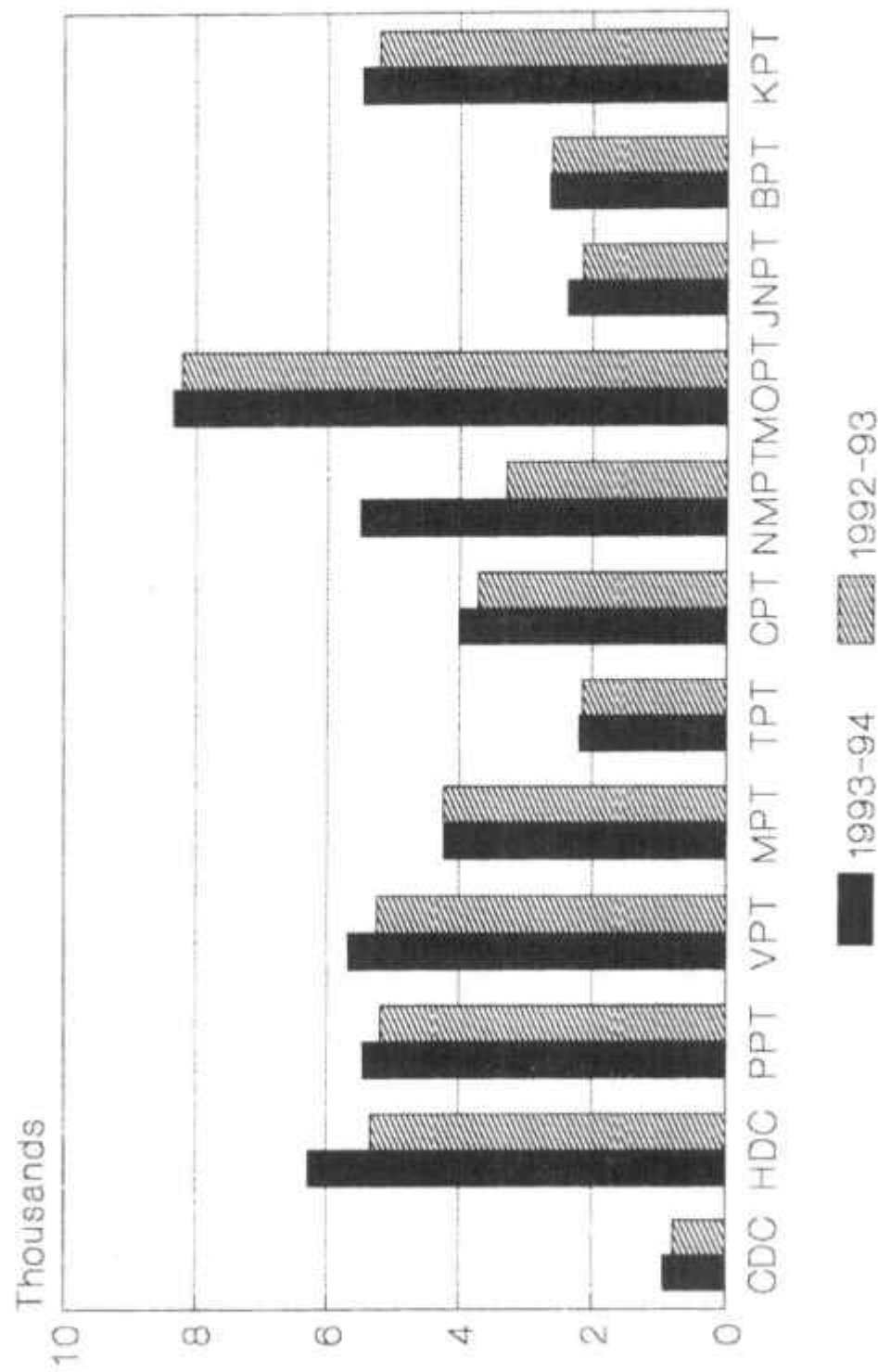


TABLE -XII

Major Ports - Output per Ship Berth Day -- 1993-94*

Port	Commodity	(In Tonnes)										
		Calcutta	Haldia	Para-dip	Vizag	Madras	Tuticorin	Cochin	NMPT	Mormugao	Bombay	Kandla
1993-94	P.O.L.	3082	14806	9454	15225	16109	5047	14446	5630	8007	14839	26172
1992-93		3121	14795	8021	13500	15106	5219	14243	5224	7266	15470	24127
1993-94	Iron Ore	-	-	18232	29793	23681	-	-	27326	16771	-	4225
1992-93		-	-	15625	19628	34851	-	-	21971	19482	-	732
1993-94	Coking Coal	-	3860	5703	5434	1525	-	-	-	-	-	1936
1992-93		-	3748	5234	5474	-	-	-	-	-	-	2284
1993-94	Thermal Coal	-	12933	6254	6011	6565	7345	-	-	-	-	-
1992-93		-	9757	6217	5871	6398	7363	-	-	-	-	-
1993-94	Fertilizers	513	423	1185	1306	1291	1239	710	611	498	720	1397
1992-93		468	436	866	1016	1008	945	453	660	622	805	1435
1993-94	Raw Materials	587	859	-	2307	1128	983	2094	741	-	769	1242
1992-93		532	723	3266	1914	1094	1520	1794	-	-	800	1066
1993-94	Other Dry Bulk	-	1229	2855	3670	1839	1250	334	1033	1384	992	1257
1992-93		579	1412	2642	2535	1712	1837	915	986	4289	990	1081
1993-94	Other Lqd. Bulk	1227	6894	8835	6551	5919	4804	6643	4439	5397	1881	5021
1992-93		1604	5264	10099	6443	5214	5243	6170	6216	4783	1797	5096
1993-94	General Cargo	448	735	1679	1443	641	628	424	601	685	563	1212
1992-93		403	633	767	1063	589	626	434	600	588	493	960
1993-94	Containers	1955	1674	-	1066	1726	1079	851	610	946	2018	2467
1992-93		1467	1317	-	1195	2654	1127	1001	503	824	1890	1845
1993-94	Total	929	6286	5457	5690	4225	2194	3998	5503	8341	2653	5486
1992-93		782	5336	5192	5242	4245	2148	3725	3299	8212	2617	5214

Note :- Source : Indian Ports Association.

* : Provisional.

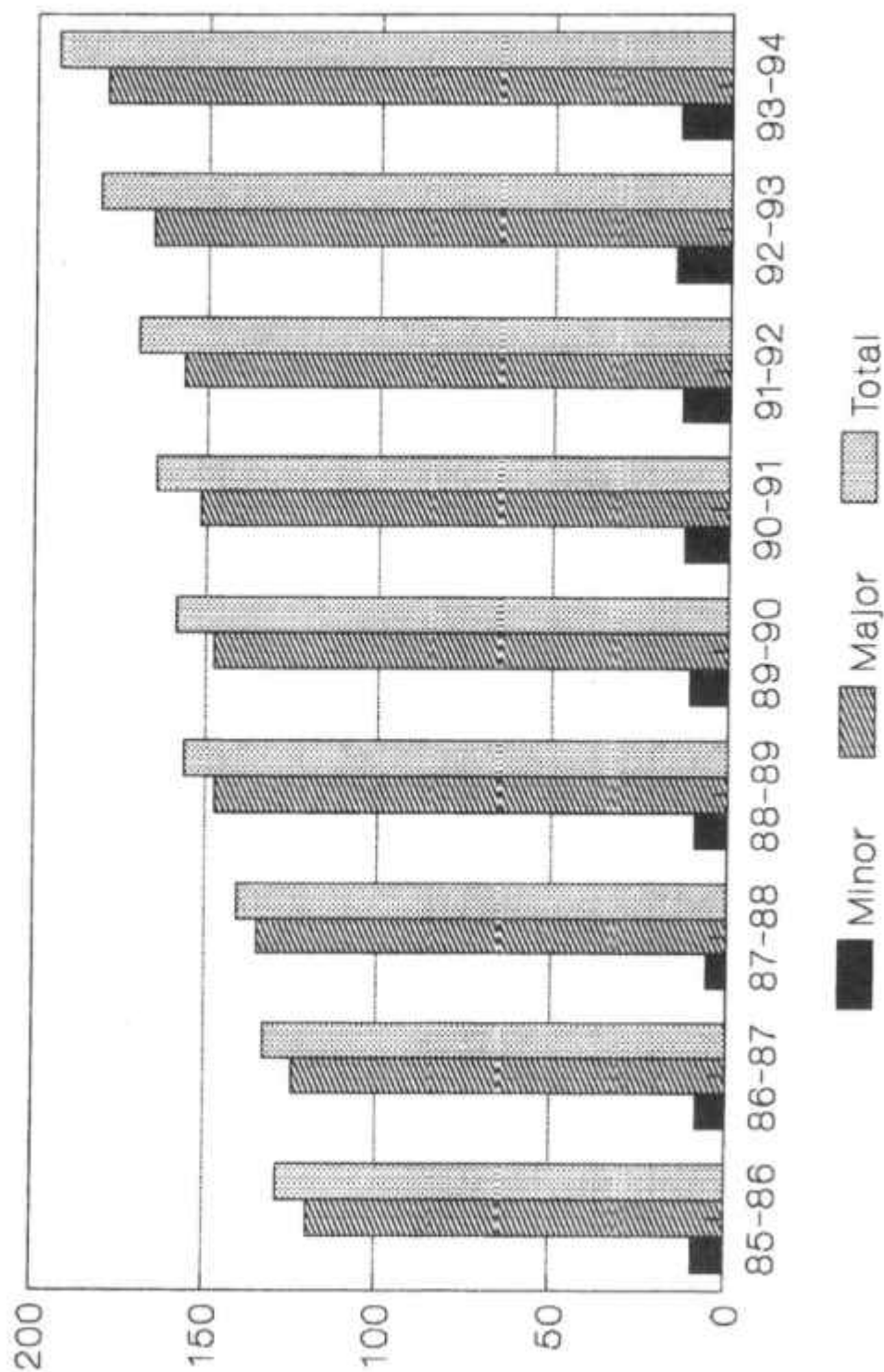
Detailed Tables

on

**Port Sector (Major & Minor)
Time Series data upto**

1992-93

Traffic Handled at Minor/Major Ports (Million Tonnes)



PORT SECTOR AT A GLANCE

No. of Ports	1965-66	1970-71	1975-76	1980-81	1985-86	1989-90	1990-91	1991-92	1992-93
i) Major (Nos.)	7	8	10	10	10	11	11	11	11
ii) Minor/Intermediate (Nos.)	144	160	161	161	162	163	163	163	163
iii) Total	151	168	171	171	172	174	174	174	174
MAJOR PORTS									
I. CARGO HANDLED									
(in million tonnes)									
i) POL	16.36	18.89	21.17	33.58	54.89	61.97	64.00	67.60	72.56
ii) Iron Ore	10.44	19.20	21.13	22.84	28.84	33.19	31.73	31.60	29.83
iii) Fertiliser & raw materials	1.86	2.27	2.86	6.21	6.81	8.11	8.94	9.92	9.91
iv) Coal	1.96	0.68	1.43	2.11	7.54	17.62	19.66	22.40	24.49
Coke & Coking Coal	0.54	0.19	0.40	0.58	2.40	4.81	5.97	6.21	7.02
Other Coal	1.42	0.49	1.03	1.53	5.14	12.81	13.69	16.19	17.47
v) Others (including containers)	19.60	14.54	19.42	15.53	21.54	26.68	27.12	25.12	29.07
Total	50.22	55.58	66.01	80.27	119.62	147.57	151.67	156.64	165.86
II. CONTAINERS									
('000 TEUs)									
(million tonnes)	220	237	304	304	410	633	681	681	797
	1.78	1.98	2.73	2.73	4.17	7.34	7.70	6.72	7.62
III. PASSENGER TRAFFIC									
HANDLED ('000 Nos.)									
	1074	745	371	388	400	160	156	162	203

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

V. EMPLOYMENT (Thousand number)	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
	113	109	106	105	102	102	101	99	98	93	90

VI. FINANCIAL PERFORMANCE **1965-66 1970-71 1975-76 1980-81 1985-86 1989-90 1990-91 1991-92 1992-93**

i) Total Revenue (Rs. million)	542	818	1797	3912	7027	11416	12582	14474	17865
ii) Total Expenditure (Rs. million)	511	788	1552	3371	5617	8520	9304	11002	12762

VII. SELECTED PERFORMANCE INDICATORS **1985-86 1986-87 1987-88 1988-89 1989-90 1990-91 1991-92 1992-93**

i) Total vessels sailed (Nos.)	8263	8505	8514	8778	8873	9118	9094	10044
ii) Av. Turn round time (days)	9.8	7.3	7.4	8.4	8.8	8.1	6.7	7.5
iii) Av. pre-berthing detention (days)	2.9	1.8	2.1	2.7	2.6	2.1	1.6	1.9
iv) Output per ship berthday (tonnes)	2515	3076	3384	3400	3273	3372	3942	3647

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

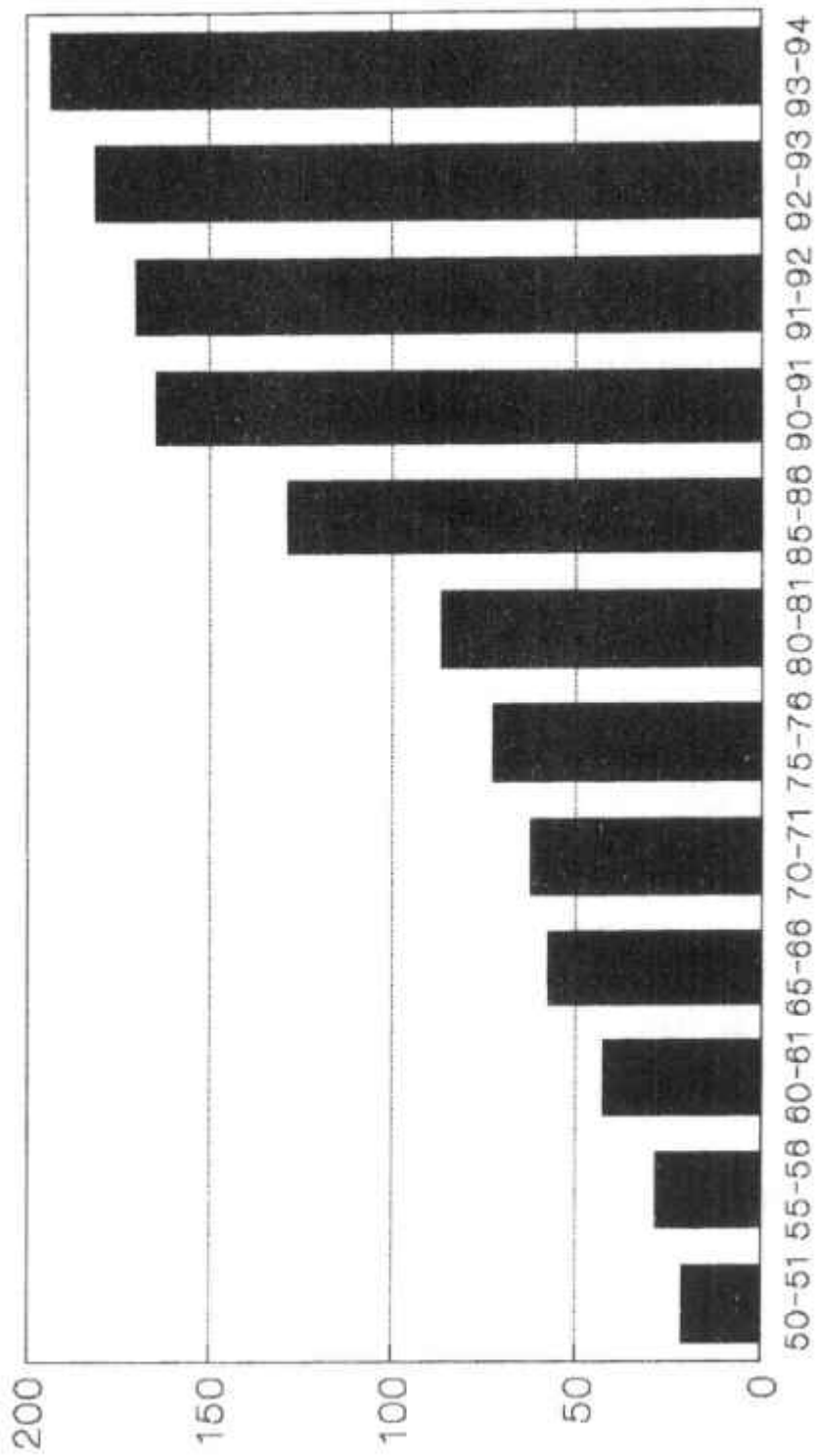
	1970-71	1975-76	1980-81	1985-86	1989-90	1990-91	1991-92	1992-93
M I N O R P O R T S								
I. CARGO HANDLED (In million tonnes)								
i) Fertiliser & raw material	0.39	0.80	1.64	3.93	2.98	2.63	2.15	3.01
ii) Iron & other ore	0.92	1.47	1.85	1.69	1.39	0.95	0.36	0.49
iii) Oil cakes	0.58	0.60	0.47	0.46	1.67	1.71	2.07	2.37
iv) Building material	0.32	0.54	0.15	1.64	1.40	1.86	1.80	1.53
v) Salt	0.24	0.63	0.22	0.24	0.19	0.17	0.17	0.17
vi) Others	4.34	2.46	2.40	1.10	3.22	5.46	6.78	7.84
TOTAL	6.69	6.50	6.73	9.06	10.86	12.78*	13.33*	15.41*
II. PASSENGER TRAFFIC HANDLED (Million Nos.)	8.00	4.62	4.74	10.56	16.59	12.76	14.11	13.47
III. SHIP TRAFFIC (Nos.)								
i) Steamers	1427	3435	3055	4128	3731	3294	3228	4037
ii) Sailing vessels	41258	26295	17868	16861	28224	26129	27072	22681
IV. EMPLOYMENT {As on 31st March}	1983	1984	1985	1986	1990	1991	1992	1993
{In thousand Nos.}	6.5	6.5	6.5	6.2	6.9	9.1	9.1	9.1

Note:- * Includes transshipment.

SECTION - I

SUMMARY TABLES
(MAJOR/MINOR PORTS)

Traffic Handled at Indian Ports (Million Tonnes)



1.1.1 TREND OF CARGO TRAFFIC HANDLED AT MAJOR PORTS

(In million tonnes)									
PORTS / YEARS	OVERSEAS			COASTAL			OVERSEAS & COASTAL		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
MAJOR PORTS									
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
1989-90	54.13	45.26	99.39	26.72	21.46	48.18	80.85	66.72	147.57
1990-91	59.02	43.63	102.65	26.07	22.95	49.02	85.09	66.58	151.67
1991-92	59.91	44.89	104.80	26.66	25.18	51.84	86.57	70.07	156.64
1992-93	73.57	43.16	116.73	24.35	24.78	49.13	97.92	67.94	165.86
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	0.50	1.02	1.62	2.41	4.09	6.50
1980-81	1.92	3.39	5.31	0.58	0.85	1.43	2.50	4.24	6.74
1985-86	3.87	2.89	6.76	1.03	1.26	2.29	4.90	4.15	9.05
1989-90	4.25	4.51	8.76	1.14	0.96	2.10	5.39	5.47	10.86
1990-91	3.37	3.85	7.22	1.97	1.25	3.22	5.34	5.10	12.78
1991-92	2.95	4.10	7.05	2.85	1.37	4.22	5.80	5.47	13.33
1992-93	4.18	4.74	8.92	2.83	1.33	4.16	7.01	6.07	15.41
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	37.69	87.01
1985-86	49.69	39.62	89.31	23.19	16.17	39.36	72.88	55.79	128.67
1989-90	58.38	49.77	108.15	27.86	22.42	50.28	86.24	72.19	158.43
1990-91	62.39	47.48	109.87	28.04	24.20	52.24	90.43	71.68	164.45
1991-92	62.86	48.99	111.85	29.51	26.55	56.06	92.37	75.54	169.97
1992-93	77.75	47.90	125.65	27.18	26.11	53.29	104.93	74.01	181.27

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

1.1.2 CARGO HANDLED AT PORTS BY STATE

('000 Tonnes)

Port/State/Type of Traffic	1965-66	1970-71	1975-76	1980-81	1985-86	1989-90	1990-91	1991-92	1992-93
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
GUJARAT	5768	4278	6305	11541	21051	25552	26655	29311	32594
Kandla	2505	1612	3203	8761	16486	18925	19685	21002	22910
Other Ports	3263	2666	3102	2780	4565	6627	6970	8309	9684
Overseas	3461	2361	4495	9552	12407	16735	18272	19665	25042
Coastal	2307	1917	1810	1989	8644	8817	8383	9646	7552
Loaded	1830	2099	2162	1859	3012	5302	5734	6905	6957
Unloaded	3938	2179	4143	9682	18039	20250	20921	22406	25637
MAHARASHTRA	18786	15288	17637	18351	25910	29782	31849	29587	31620
Bombay	17910	14370	16650	16978	24310	27746	28899	26261	28310
Jawaharlal Nehru	-	-	-	-	-	697	2022	2794	3007
Other Ports	876	918	987	1373	1600	1339	928	532	303
Overseas	13869	12113	15028	13803	15438	18223	18984	17328	20750
Coastal	4917	3175	2609	4548	10472	11559	12865	12259	10870
Loaded	5678	4196	4889	5012	13657	15880	16157	15715	14502
Unloaded	13108	11092	12748	13339	12253	13902	15692	13872	17118

1.1.2 CARGO HANDLED AT PORTS BY STATE

		('000 Tonnes)								
Port/State/Type of Traffic		1965-66	1970-71	1975-76	1980-81	1985-86	1989-90	1990-91	1991-92	1992-93
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
GOA	7867	11005	12781	13772	16117	14168	14912	15111	16526	
Mormugao	7867	11005	12768	13764	16115	14168	14911	15099	16314	
Other Ports	...	...	13	8	2	...	1	12	212	
Overseas	7703	10738	12309	13542	15659	13511	14213	14175	15251	
Coastal	164	267	472	230	458	657	699	936	1275	
Loaded	7628	10652	12096	12922	14496	12685	13191	12709	14044	
Unloaded	239	353	685	850	1621	1483	1721	2402	2482	
Daman & Diu	...	...	12	7	4	1	neg.	neg.	-	
Overseas	...	...	-	-	-	-	-	-	-	
Coastal	...	...	12	7	4	1	neg.	neg.	-	
Loaded	...	...	9	4	neg.	-	-	-	-	
Unloaded	...	...	3	3	4	1	neg.	neg.	-	
KARNATAKA	1206	1165	1104	2031	4545	8314	8633	8657	7558	
New Mangalore	-	-	339	963	3686	7661	8022	8274	7088	
Other Ports	1206	1165	765	1068	859	653	611	383	470	
Overseas	734	750	738	1475	3978	7668	7702	7335	6785	
Coastal	472	415	366	556	567	646	931	1322	773	
Loaded	1081	1028	741	1141	3113	6676	6999	7136	5744	
Unloaded	125	137	363	890	1432	1638	1634	1521	1814	

1.1.2 CARGO HANDLED AT PORTS BY STATE

('000 Tonnes)

Port/State/Type of Traffic	1965-66	1970-71	1975-76	1980-81	1985-86	1989-90	1990-91	1991-92	1992-93
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
KERALA	3295	5144	4582	5424	5388	7281	7405	7611	8103
Cochin	2872	4812	4258	5233	5277	7124	7275	7481	7978
Other Ports	423	332	324	191	111	157	130	130	125
Overseas	1793	3937	3500	3836	2369	3085	2604	3106	3284
Coastal	1502	1207	1082	1588	3019	4196	4801	4505	4819
Loaded	694	1518	1048	1292	819	1188	1145	1169	1233
Unloaded	2601	3626	3534	4132	4569	6093	6260	6442	6870
TAMIL NADU	6376	7844	9552	13128	22849	29640	2982	31099	31806
Tuticorin	-	-	1366	2560	4221	5324	5075	5868	6215
Madras	4872	6925	7883	10375	18148	2394	2451	25046	25331
Other Ports	1504	919	303	193	480	376	227	185	260
Overseas	4360	6933	8491	10979	15501	17736	17714	17849	18645
Coastal	2016	911	1061	2149	7348	11904	12106	13250	13161
Loaded	2396	3726	3348	4498	7341	10317	10062	10754	9864
Unloaded	3980	4118	6204	8630	15508	19323	19758	20345	21942

1.1.2 CARGO HANDLED AT PORTS BY STATE

Port/State/Type of Traffic		('000 Tonnes)									
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)		
PONDICHERRY	52	188	392	49	118	229	70	53	47		
Overseas Coastal	52	188	392	49	118	229	70	53	47		
Loaded Unloaded	52	-	-	-	-	-	-	-	-		
ANDHRA PRADESH	4842	9233	9086	10972	16985	22491	20545	22702	24202		
Visakhapatnam Other Ports	4460	8733	8548	10123	15911	21117	19421	21522	22765		
	382	500	538	849	1074	1374	1124	1180	1437		
Overseas Coastal	4146	8846	8952	10300	12125	16301	14944	16014	19034		
	696	387	134	672	4860	6190	5601	6688	5168		
Loaded Unloaded	2842	6877	6120	6642	7378	11439	9719	11869	10919		
	2000	2356	2966	4330	9607	11052	10826	10833	13283		
ORISSA	-	2157	3326	2241	3331	6252	6945	7447	7813		
Paradip Other Ports	-	2157	3326	2241	3331	6184	6884	7297	7606		
	-	-	-	-	-	68	61	150	207		
Overseas Coastal	-	2156	3315	2240	3049	4960	5001	5078	4427		
	-	1	11	1	282	1292	1944	2369	3386		
Loaded Unloaded	-	2156	3137	1934	2374	3766	4056	4449	5231		
	-	1	189	307	957	2486	2889	2998	2582		

1.1.2 CARGO HANDLED AT PORTS BY STATE

('000 Tonnes)

Port/State/Type of Traffic	1965-66	1970-71	1975-76	1980-81	1985-86	1989-90	1990-91	1991-92	1992-93
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
WEST BENGAL	9729	5965	7663	9272	12128	14689	14953	16000	18337
Calcutta-Haldia	9729	5965	7663	9272	12128	14689	14953	16000	18337
Other Ports	-	-	-	-	-	-	-	-	-
Overseas	6761	4315	5829	7120	8664	9698	10372	11248	12383
Coastal	2968	1650	1834	2152	3464	4991	4581	4752	5954
Loaded	4445	2718	3184	2284	3471	4933	4537	4747	5422
Unloaded	5284	3247	4479	6988	8657	9756	10416	11253	12915
SEA-ISLANDS	-	-	68	214	242	32	317	337	337
Other Ports	-	-	68	214	242	32	317	337	337
Overseas	-	-	-	3	-	-	-	-	-
Coastal	-	-	68	211	242	32	317	337	337
Loaded	-	-	28	100	126	1	82	99	99
Unloaded	-	-	40	114	116	31	235	238	238
ALL INDIA	57921	62267	72508	87002	128668	158431	162104	167915	178943
Major Ports	50215	55579	66004	80270	119613	147575	151665	156644	165861
Other Ports	7706	6688	6504	6732	9055	10856	10439	11274	13082
Overseas	42879	52337	63049	72899	89308	108146	109876	111851	125648
Coastal	15042	9930	9459	14103	39360	50285	52228	56064	53295
Loaded	26646	34970	36762	37688	55787	72187	71682	75552	74015
Unloaded	31275	27297	35746	49314	72881	86244	90422	92363	104928

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	1989-90	1990-91	1991-92	1992-93
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
GUJARAT									
Kandla	2336	1474	2924	8190	15175	16755	17271	18148	20503
Other Ports	1602	705	1219	1492	2864	3495	3650	4258	5134
Total	3938	2179	4143	9682	18039	20250	20921	22406	25637
Overseas	2671	1060	2959	8123	10737	12569	13737	14126	19264
Coastal	1267	1119	1184	1559	7302	7681	7184	8280	6373
MAHARASHTRA									
Bombay	12864	10973	12654	13209	11947	13141	13719	11506	14715
Jawaharlal Nehru	-	-	-	-	-	507	1645	2061	2105
Other Ports	244	119	94	130	306	254	328	305	298
Total	13108	11092	12748	13339	12253	13902	15692	13872	17118
Overseas	11398	9663	11630	10725	11168	13353	14770	13143	16704
Coastal	1710	1429	1118	2614	1085	549	922	729	414
GOA									
Mormugao	239	353	675	843	1621	1483	1721	2396	2394
Other Ports	...	...	10	7	-	...	-	6	88
Total	239	353	685	850	1621	1483	1721	2402	2482
Overseas	83	86	216	621	1163	847	1058	1660	1720
Coastal	156	267	469	229	458	636	663	742	762
DAMAN & DIU									
Other Ports	...	...	3	3	4	1	neg.	neg.	neg.
Total	...	...	3	3	4	1	neg.	neg.	neg.
Overseas	...	...	-	-	-	-	-	-	-
Coastal	...	...	3	3	4	1	neg.	neg.	neg.

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	1989-90	1990-91	1991-92	1992-93
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
KARNATAKA									
New Mangalore	-	-	206	639	996	1294	1363	1298	1530
Other Ports	125	137	157	251	436	344	271	223	284
Total	125	137	363	890	1432	1638	1634	1521	1814
Overseas	16	34	242	509	1015	1062	958	776	1127
Coastal	109	103	121	381	417	576	676	745	687
KERALA									
Cochin	2413	3447	3321	4112	4557	6053	6251	6433	6864
Other Ports	188	179	213	20	12	40	9	9	6
Total	2601	3626	3534	4132	4569	6093	6260	6442	6870
Overseas	1486	3436	3109	3533	1803	2519	2138	2566	2601
Coastal	1115	190	425	599	2766	3574	4122	3876	4269
TAMIL NADU									
Tuticorin	-	-	922	2117	4016	4900	4541	5099	5408
Madras	3299	3737	5087	6412	11107	14097	15000	15064	16286
Other Port	681	381	195	101	385	326	217	182	248
Total	3980	4118	6204	8630	15508	19323	19758	20345	21942
Overseas	2378	3772	5488	7365	9361	8788	8978	8413	10187
Coastal	1602	346	716	1265	6147	10535	10780	11932	11755

1.1.1.3 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	1989-90	1990-91	1991-92	1992-93
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
PONDICHERRY									
Other Ports	-	188	392	49	118	229	70	53	47
Total	-	188	392	49	118	229	70	53	47
Overseas	-	188	392	49	118	229	70	53	47
Coastal	-	-	-	-	-	-	-	-	-
ANDHRA PRADESH									
Visakhapatnam	1908	2325	2876	3999	8941	10410	10322	10431	12774
Other Ports	92	31	90	331	666	642	504	402	509
Total	2000	2356	2966	4330	9607	11052	10826	10833	13283
Overseas	1979	2253	2904	3797	5528	7824	8429	8999	12499
Coastal	21	103	62	533	4079	3228	2397	1834	784
ORISSA									
Paradip	-	1	189	307	957	2460	2839	2880	2428
Other Ports	-	-	-	-	-	26	50	118	154
Total	-	1	189	307	957	2486	2889	2998	2582
Overseas	-	-	188	306	957	2486	2889	2998	2582
Coastal	-	1	1	1	-	-	-	-	-

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	1989-90	1990-91	1991-92	1992-93
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
WEST BENGAL									
Calcutta-Haldia	5284	3247	4479	6988	8657	9756	10416	11253	12915
Other Ports	-	-	-	-	-	-	-	-	-
Total	5284	3247	4479	6988	8657	9756	10416	11253	12915
Overseas	3660	1872	3810	5983	7841	8701	9366	10125	11017
Coastal	1624	1375	669	1005	816	1055	1050	1128	1898
SEA-ISLAND									
Other Ports	-	-	-	40	116	31	235	238	238
Total	-	-	-	40	116	31	235	238	238
Overseas	-	-	-	114	116	31	235	238	238
Coastal	-	-	40	-	-	-	-	-	-
ALL INDIA									
MAJOR PORTS	28343	25557	33333	46816	67974	80856	85088	86569	97922
Other Ports	2932	1740	2413	2498	4907	5388	5334	5794	7006
Total	31275	27297	35746	49314	72881	86244	90422	92363	104928
Overseas	23671	22364	30938	41011	49691	58378	62393	62859	77748
Coastal	7604	4933	4808	8303	23190	27866	28029	29504	27180

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	1989-90	1990-91	1991-92	1992-93
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
GUJARAT									
Kandla	169	138	279	571	1311	2170	2414	2854	2407
Other Ports	1661	1961	1883	1288	1701	3132	3320	4051	4550
Total	1830	2099	2162	1859	3012	5302	5734	6905	6957
Overseas	790	1301	1536	1429	1670	4166	4535	5539	5778
Coastal	1040	798	626	430	1342	1136	1199	1366	1179
MAHARASHTRA									
Bombay	5046	3397	3996	3769	12363	14605	15180	14755	13595
Jawaharlal Nehru	-	-	-	-	-	190	377	733	902
Other Ports	632	799	893	1243	1294	1085	600	227	5
Total	5678	4196	4889	5012	13657	15880	16157	15715	14502
Overseas	2471	2450	3398	3078	4270	4870	4214	4185	4046
Coastal	3207	1746	1491	1934	9387	11010	11943	11530	10456
GOA									
Mormugao	7628	10652	12093	12921	14494	12685	13190	12703	13920
Other Ports	...	...	3	1	2	-	1	6	124
Total	7628	10652	12096	12922	14496	12685	13191	12709	14044
Overseas	7620	10652	12093	12921	14496	12664	13155	12515	13531
Coastal	8	...	3	1	-	21	36	194	513
Daman & Diu									
Other Ports	...	...	9	4	neg.	-	-	-	-
Total	...	...	9	4	neg.	-	-	-	-
Overseas	...	...	-	-	-	-	-	-	-
Coastal	...	...	9	4	neg.	-	-	-	-

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

('000 Tonnes)

Port/State/Type of Traffic	1965-66	1970-71	1975-76	1980-81	1985-86	1989-90	1990-91	1991-92	1992-93
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
KARNATAKA									
New Mangalore	-	-	133	324	2690	6367	6659	6976	5558
Other Ports	1081	1028	608	817	423	309	340	160	186
Total	1081	1028	741	1141	3113	6676	6999	7136	5744
Overseas	718	716	496	966	2963	6606	6744	6559	5658
Coastal	363	312	245	175	150	70	255	577	86
KERALA									
Cochin	459	1365	937	1121	720	1071	1024	1048	1114
Other Ports	235	153	111	171	99	117	121	121	119
Total	694	1518	1048	1292	819	1188	1145	1169	1233
Overseas	307	501	391	303	566	566	466	540	683
Coastal	387	1017	657	989	253	622	679	629	550
TAMIL NADU									
Tuticorin	-	-	444	443	205	424	534	769	807
Madras	1573	3188	2796	3963	7041	9843	9518	9982	9045
Other Ports	823	538	108	92	95	50	10	3	12
Total	2396	3726	3348	4498	7341	10317	10062	10754	9864
Overseas	1982	3161	3003	3614	6140	8948	8736	9436	8458
Coastal	414	565	345	884	1201	1369	1326	1318	1406

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	1989-90	1990-91	1991-92	1992-93
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
PONDICHERY									
Other Ports	52	-	-	-	-	-	-	-	-
Total	52	-	-	-	-	-	-	-	-
Overseas	52	-	-	-	-	-	-	-	-
Coastal	-	-	-	-	-	-	-	-	-
ANDHRA PRADESH									
Visakhapatnam	2552	6408	5672	6124	6970	10707	9099	11091	9991
Other Ports	290	469	448	518	408	732	620	778	928
Total	2842	6877	6120	6642	7378	11439	9719	11869	10919
Overseas	2167	6593	6048	6503	6597	8477	6515	7015	6535
Coastal	675	284	72	139	781	2962	3204	4854	4384
ORISSA									
Paradip	-	2156	3137	1934	2374	3724	4045	4417	5178
Other Ports	-	-	-	-	-	42	11	32	53
Total	-	2156	3137	1934	2374	3766	4056	4449	5231
Overseas	-	2156	3127	1934	2092	2474	2112	2080	1845
Coastal	-	-	10	-	282	1292	1944	2369	3386

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	1989-90	1990-91	1991-92	1992-93
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
WEST BENGAL									
Calcutta-Haldia	4445	2718	3184	2284	3471	4933	4537	4747	5422
Other Ports	-	-	-	-	-	-	-	-	-
Total	4445	2718	3184	2284	3471	4933	4537	4747	5422
Overseas	3101	2443	2019	1137	823	997	1006	1123	1366
Coastal	1344	275	1165	1147	2648	3936	3531	3624	4056
SEA-ISLANDS									
Other Ports	-	-	-	-	-	-	-	-	-
Total	-	-	28	100	126	1	82	99	99
Overseas	-	-	-	100	126	1	82	99	99
Coastal	-	-	28	3	-	-	-	-	-
ALL INDIA									
Major Ports	21872	30022	32671	33454	51639	66719	66577	70075	67939
Other Ports	4774	4948	4091	4234	4148	5468	5105	5477	6076
Total	26646	34970	36762	37688	55787	72187	71682	75552	74015
Overseas	19208	29973	32111	31888	39617	49768	47483	48992	47900
Coastal	7438	4997	4651	5800	16170	22419	24199	26560	26115

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

2.1.1.1 TOPOGRAPHY OF MAJOR PORTS

PORT	Location		Entrance Channel			Turning Circle		Type of Dock/Port	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)		(8)

2.1.1 TOPOGRAPHY OF MAJOR PORTS

PORT	Location		Entrance Channel		Turning Circle		Type of Dock/Port
	Latitude	Longitude	Distance of anchor from Harbour entrance (Km)	Minimum Depth (Mtrs)	Minimum Diameter (in mtrs.)	No.	
(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 18' E	5.6	18.6	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
-Outer Harbour							
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

Open to wind & weather (Along-side berth).

Artificial Harbour with wets docks.

Natural Harbour.

Artificial lagoon type port/open docks.

Impounded-wet docks and river side jetties

2.1.1.2 DETAILS OF BERTHS AT MAJOR PORTS

PORT	TYPE OF BERTH (No.)	Draft : (In mtr.)	Length : (In mtr.)	Max. size of ships : that can be accommodated (DWT)	Percentage occupancy : during 1992-93
(1)	(2)	(3)	(4)	(5)	(6)
KANDLA	General Cargo Jetties (7)	9.1	226	54000	97
	Oil Jetty - I (1)	10.4	213	40000	96
	Oil Jetty - II (1)	9.1	192	28000	42
	Oil Jetty - III (1)	9.4	213	40000	95
	S.B.M. (Vadinar) (1)	22.0	-	280000	56
BOMBAY	Indira Dock (28*)	8.5-10.7	224	Length overall 600 feet	70
	Victoria Dock (12)	7.3-7.9	152	Length overall 460 feet	66
	Princes Dock (8)	7.3	212	Length overall 500 feet	79
	Jawahar Dweep (4) Pir Pau Oil Pier (1)	11.6-14.3 9.7	244-493 174	80000 DWT 16000 DWT	80 59
J.L. NEHRU	Container (3)	13.5 (each)	680 Linear length of Quay	3rd Generation container U/L's	64
	Dry Bulk (2)	13.5 (each)	500	70000 DWT	71
	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 1992-93
(1)	(2)	(3)	(4)	(5)	(6)
MORMUGAO	1. Port Craft (1) 2. General Cargo 3. @ (Partly upto Ballard No. 7)	4.3 6.0	90 90	- 2000	- 29
	4. General Cargo (Partly from Ballard No.14-16) 5. General Cargo 6. Ore/ MOHP 7. Barge Berth (adjacent to berth No.6) 8. Oil Berth 9. MOHP 10. General Cargo	8.5 8.5 8.5 3.5 12.0 13.0 10.0	65 159 223 100 116(298**) 222(357**) 250	1000 25000 30000 - 35000 275000 34000	14 89 76 - 84 72 96
NEW MANGALORE	General (7)	7.0-10.1	125-198	2000(each)	51,83,80,56 75,74,73
	KLOCL (1) Oil Jetty (1)	12.5 10.1	285 330	6000 3000	57 35

@ : Ballard No. between 7 to 14 out of commission
 **: Length between extreme morring dolphins.

2.1.1.2 DETAILS OF BERTHS AT MAJOR PORTS (CONTD.)

PORT	TYPE OF BERTH (No.)	Draft : (In mtr.)	Length : (In mtr.)	Max. size of ship : that can be accommodated (DWT)	Percentage occupancy during 1992-93
(1)	(2)	(3)	(4)	(5)	(6)
COCHIN	Break bulk (6)	9.1(each)	152-183	...	58,56,41,37 52,-
	Fertiliser (2)	8.5-10.7	152-207	...	80,76
	Oil Terminal(1)	9.1-10.7	198-440	120000	64
	Tanker berth(2)	9.1-10.7	-	...	32
	(North South) Container (2)	9.1(each)	152(each)	...	63,60
ΛΛ					
TUTICORIN	General Cargo Berth(6)	8.2	168-192		93
	Oil Jetty (1)	8.2	228	46153	35
	Coal Jetty (1)	8.2	235		85
	Passenger Jetty (1)	4.5	-		
MADRAS	General/Dry Bulk (9)	8.5-11.0	171-218	...	80,91,80,85,90 62,67,87,97.
	General (4)	7.9-9.1	171(each)	...	86,79,64,83
	Coal/General (4)	7.9-11.0	157-218	...	92,96,93,97.
	Oil (2)	16.0-17.4	304-339	...	62,65.
	Ore (1)	17.4	222	...	67
	Container (2)	11.0	380	...	57
	Passenger (1)	8.5	198	...	81
	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 acco- : modated (DWT)	: Percentage : occupancy : during : 1992-93
(1)	(2)	(3)	(4)	(5)	(6)
VISAKHAPATNAM					
INNER HARBOUR :					
	Multi-Purpose Berths* (10)	9.5-10.2	168-195	36000	100
	Dry Bulk Berth (1)	10.1	194	35000	77
	(Mech) F B				
	Oil Berth (2)				
	Liquid Bulk Berth	10.1	183	36000	59
	Liquid Bulk Berth	9.8	183	36000	91
OUTER HARBOUR :					
	Ore Berth (2)				
	Dry Bulk Berth (Iron-ore)	16.0	270	120000	97
	Dry Bulk Berth (Iron-ore)	15.3	270	120000	50
	General-cum-Bulk				
	Cargo Berth (1)	13.2	232	60000	100
	Off-shore Tanker				
	Terminal Berth (1)	15.0	280	120000	55

* 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 : 1992-93
(1)	(2)	(3)	(4)	(5)	(6)
PARADIP	General Cargo Berth (3)				
	Dry & Break-bulk-I	11.0	291	50000-55000	79
	Dry & Break-bulk-II	11.0	196	-do-	85
	Dry & Break-bulk-III	11.0	200	-do-	82
	Iron Ore Berth (1)	11.9	155	50000-80000	54
	(Mechanised Dry-bulk)		(320m. bet (depend on ween Dolphin) weather conditions)		
	Fertiliser Berth (1)	11.0	252	40000-60000	27
	(Mechanised Liquid bulk)				
	South Quay*	11.0	215	50000-55000	75
CALCUTTA	Multi Purpose Berth (20)				
	1. Berth 1/KPD	9.2	133	515' length 70' Breadth	39
	2. Berth 5/7KPD	9.2	229	- do -	64
	3. Berth 9.KPD	9.2	108	- do -	59
	4. Berth 11KPD	9.2	151	- do -	41
	5. Berth 4KPD	9.2	136	- do -	56

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

2.1.2 DETAILS OF BERTHS AT MAJOR PORTS (CONTD.)

PORT	: TYPE OF BERTH (No.)	: Draft : (In mtr.)	: Length : (In mtr.)	: Max. size of ship : that can be accommodated (DWT)	: Percentage occupancy : during 1992-93
(1)	(2)	(3)	(4)	(5)	(6)
CALCUTTA (CONTD.)	6.Berth 8/KPD	9.2	128	515' length 70' Breadth	66
	7.Berth 10KPD	9.2	161	- do -	53
	8.Berth 12KPD	9.2	143	- do -	56
	9.Berth 24KPD	9.2	152	- do -	34
	10.Berth 25KPD	9.2	159	- do -	39
	11.Berth 26KPD	9.2	185	- do -	53
	12.Berth 27KPD	9.2	195	- do -	54
	13.Berth 28KPD	9.2	195	- do -	59
	14.Berth 29KPD	8.2	183	- do -	48
	15.Berth 1NSD	9.3	200	565' length 80' Breadth	51
	16.Berth 2NSD	9.3	157	- do -	76
	17.Berth 3NSD	9.3	183	- do -	71
	18.Berth 4NSD	9.3	181	- do -	53
	19.Berth 14NSD	9.3	174	- do -	63
	20.Berth 13NSD	8.1	174	- do -	72
	CONTAINER & GEN. CARGO				
	1. Berth 3KPD	9.2	128	- do -	34
	LASH BARGES				
	1. Berth 6KPD	9.2	118	- do -	68
	PASSENGER & GEN. CARGO				
	1. Berth 22KPD	9.2	151	515' length 70' Breadth	31
	FOODGRAINS				
	1. Berth 23KPD	9.2	147	- do -	38

2.1.1.2 DETAILS OF BERTHS AT MAJOR PORTS (CONTD.)

PORT	TYPE OF BERTH (No.)	Draft : (In mtr.)	Length : (In mtr.)	Max. size of ship : that can be accommodated (DWT)	Percentage occupancy : during 1992-93
(1)	(2)	(3)	(4)	(5)	(6)
CALCUTTA (CONTD.)	CONTAINERS				
	1. Berth 5NSD	8.4	183	565' Length 80' Breadth	63
	2. Berth DNSD	8.1	192	- do -	71
	OIL BERTH				
	1. Berth 12NSD	8.1	152	- do -	40
	LIQUID BULK				
	Berth 1 Buj Buj	Upto 9 Mtrs.	215	625' Length	58
	Berth 2 -do-	-do-	183	-do-	36
	Berth 3 -do-	-do-	85	-do-	26
	Berth 5 -do-	-do-	183	-do-	66
HALDIA	Berth 7 -do-	...	...	...	9
	Berth 8 -do-	-do-	220	-do-	46
	1. Liquid Bulk	8.5	229	LOA 238 mts.	68
	2. Dry Liquid Bulk	10.0	338		80
	3. Dry Bulk	10.0	284		74
	4. Dry Liquid Bulk	10.0	243	LOA 239 mts.	44
	5. Dry/Break/Liquid Bulk	10.0	235	Beam 32.3 mts.	
	6. -do-	10.0	235		84
	7. Dry/Break/Container	10.0	235		88
	8. -do-	10.0	443		83
	9. Berth No.2 (commissioned in oct 91)	...	...	...	62
	Liquid Bulk in oct 91)	...	...	...	

2.1.3. 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	7Nos. 11490	Molasses
	ii) Ware-Houses	36	154540+ 34000			1 No. 6486	
			(Under construction)				
	iii) Other covered area (container freight station)	7	21392	11	Butcher Island	Tonnage. 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. mtrs)	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						
NEW MANGALORE	i) At MOHP (Berth No.6)		19000				
	ii) At MOHP (Berth No.9)		80000				
	i) Transit Sheds	5	12144	34	Inside and outside the security wall.	140400 KL & 26000 MT	Neptha, Petro- lium products, Molasses, Palm- oil, Phosphoric Acid Amonia etc.
	ii) Ware-Houses	8	17520				
	iii) Other covered storage	-	-				
	iv) Open area	3	24857				

2.1.3. STORAGE FACILITIES AT MAJOR PORTS (CONTD.)

PORT	Dry Storage Accommodation			Liquid Storage Tanks			
	Type	No.	Area (Sq. mtrs)	No.	Location	Capa- city	Type of Cargo
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
COCHIN	i) Transit Sheds	10	30013	14	Near BTB	12140	Cashew Shell,
	ii) Ware-Houses	9	20272			Tonnes	Liquid Ammonia
	iii) Over Flow Sheds	7	12585	1	S C B		Hydrochloric
	iv) Hazardous Sheds	4	369				Acid, Phospho-
	v) Container freight station	1	3402	2	Q 10		ric Acid.
	vi) Carbide Shed	1	61				
TUTICORIN	i) Transit Sheds	2	10800	3	Close of Haza-	24400	Ammonia,
	ii) Ware-houses	3	15550		rdous shed &		Phosphoric
	iii) Other covered area	2	733 & 739		located at		Acid.
	iv) Open Area		24000		berth No. IV.		
MADRAS	i) Transit Sheds	10	47841	16	Bharathi Dock/	76400	Oils, Acids
	ii) Ware-Houses	12	65686		South Quay	Tonnes	& Chemicals.
	iii) Container Freight station	2	12600				
	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	7	30959	13	West Ore berths	19098	Edible oils
	ii) Ware-Houses	3	27044		West jetty	M.Tonnes	& Molasses,
	iii) Other covered area	2	8113		berths area		caustic soda,
	(S.2 & S.3 sheds)						P.Acid &
	iv) Open area	46	604903				Ammonia.
PARADIP	i) Transit Sheds	5	19780	2	10km.from port.	-	Ammonia &
	ii) Ware-Houses	4	8968		port.		Phosphoric
	iii) Other covered area	-	220300				Acid.
	iv) Open Area		...				
CALCUTTA	i) Transit Shed	27	83000	82	Near NS Dock	27000	POL(product)
	ii) Ware-Houses	59	394000		Buj Buj	M.Tonnes	Veg.oil.
	iii) Other covered area	-	376000				other Liquid
	iv) Open Area	-	232000				cargo.
HALDIA	i) Transit Sheds	1	100000	...	...	...	...
	ii) Ware House	-	-				
	iii) Other covered Area	1	12000				
	iv) Open Area	4	332275				

2.1.4 PERFORMANCE OF CARGO HANDLING EQUIPMENTS FOR THE YEARS 1990-91, 1991-92 & 1992-93

S. No.	Name of the Port	Equipments	1990-91		1991-92		1992-93	
			% Avail- ability	% Utili- sation	% Avail- ability	% Utili- sation	% Avail- ability	% Utili- sation
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1.	KANDLA	Wharf Crane Mobile Crane Forklift Truck	83.0 80.0 78.0	31.0 Nil 33.0	77.0 97.0 90.0	30.0 Nil 28.0	75.0 100.0 92.0	22.0 Nil 23.0
2.	BOMBAY	Wharf Crane Mobile Crane Forklift Truck	86.0 80.0 81.0	22.0 20.0 29.0	85.0 70.0 66.0	16.0 17.0 25.0	87.0 82.0 73.0	21.0 22.0 30.0
3.	MORMUGAO	Wharf Crane Mobile Crane Forklift Truck	91.0 94.0 81.0	15.0 08.0 06.0	91.0 93.0 84.0	22.0 10.0 05.0	87.0 97.0 88.0	39.0 12.0 11.0
4.	N.MANGALORE	Wharf Crane Mobile Crane Forklift Truck	46.0 68.0 71.0	02.0 03.0 04.0	50.0 85.0 70.0	04.0 02.0 05.0	44.0 73.0 78.0	2.0 2.0 3.0
5.	COCHIN	Wharf Crane Mobile Crane Forklift Truck	91.0 58.0 57.0	13.0 20.0 20.0	79.0 56.0 54.0	08.0 13.0 14.0	77.0 50.0 60.0	7.0 12.0 13.0

2.1.4 PERFORMANCE OF CARGO HANDLING EQUIPMENTS FOR THE YEARS 1990-91, 1991-92 & 1992-93 (CONTD.)

S. No.	Name of the Port	Equipments	1990-91			1991-92			1992-93		
			% Avail- ability	% Utili- sation	(4)	% Avail- ability	% Utili- sation	(7)	% Avail- ability	% Utili- sation	(9)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
6.	TUTICORIN	Wharf Crane	76.0	21.0	77.0	23.0	95.0	25.0			
		Mobile Crane	78.0	16.0	83.0	15.0	52.0	12.0			
		Forklift Truck	94.0	15.0	92.0	13.0	91.0	13.0			
7.	MADRAS	Wharf Crane	84.0	51.0	83.0	37.0	84.0	35.0			
		Mobile Crane	71.0	48.0	18.0	36.0	82.0	33.0			
		Forklift Truck	74.0	42.0	74.0	37.0	76.0	34.0			
8.	VISAKHAPATNAM	Wharf Crane	90.0	23.0	93.0	33.0	92.0	40.0			
		Mobile Crane	77.0	21.0	85.0	20.0	87.0	15.0			
		Forklift Truck	72.0	18.0	77.0	13.0	70.0	33.0			
9.	PARADIP	Wharf Crane	94.0	37.0	82.0	33.0	84.0	23.0			
		Mobile Crane	71.0	15.0	73.0	20.0	73.0	9.0			
		Forklift Truck	60.0	13.0	75.0	21.0	88.0	9.0			
10.	CALCUTTA	Wharf Crane	63.0	23.0	70.0	23.0	82.0	24.0			
		Mobile Crane	63.0	32.0	64.0	30.0	54.0	26.0			
		Forklift Truck	84.0	42.0	65.0	36.0	67.0	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

2.2.1 GROWTH OF CARGO TRAFFIC HANDLED AT MAJOR PORTS

(In million tonnes)

YEAR	OVERSEAS		COASTAL		OVERSEAS & COASTAL				
:	:	:	:	:	:	:			
: Unloaded: Loaded	: Total	: Unloaded: Loaded	: Total	: Unloaded: Loaded	: Total	: Total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1960-61	17.71	6.35	24.06	4.87	4.19	9.06	22.58	10.54	33.12
1965-66	22.41	16.62	39.03	5.94	5.25	11.19	28.35	21.87	50.22
1970-71	21.50	26.58	48.08	4.06	3.44	7.50	25.56	30.02	55.58
1975-76	29.13	29.04	58.17	4.20	3.63	7.83	33.33	32.67	66.00
1980-81	39.09	28.50	67.59	7.73	4.95	12.68	46.82	33.45	80.27
1981-82	39.78	32.23	72.01	8.61	7.36	15.97	48.39	39.59	87.98
1982-83	41.08	29.16	70.24	10.57	12.89	23.46	51.65	42.05	93.70
1983-84	38.80	29.07	67.87	13.41	15.10	28.51	52.21	44.17	96.38
1984-85	39.62	33.97	73.59	15.71	16.52	32.23	55.33	50.49	105.82
1985-86	45.82	36.73	82.55	22.16	14.91	37.07	67.98	51.64	119.62
1986-87	43.58	39.79	83.37	23.36	17.64	41.00	66.94	57.43	124.37
1987-88	49.95	40.15	90.10	23.39	21.11	44.50	73.34	61.26	134.60
1988-89	55.40	43.79	99.19	25.91	21.96	47.87	81.31	65.75	147.06
1989-90	54.13	45.26	99.39	26.72	21.46	48.18	80.85	66.72	147.57
1990-91	59.02	43.63	102.65	26.07	22.95	49.02	85.09	66.58	151.67
1991-92	59.91	44.89	104.80	26.66	25.18	51.84	86.57	70.07	156.64
1992-93	73.57	43.16	116.73	24.35	24.78	49.13	97.92	67.94	165.86

2.2.2 TREND OF CARGO TRAFFIC HANDLED AT VARIOUS MAJOR PORTS

(In Million Tonnes)

	P O R T S												
Year	Kandla : :	Bombay : :	J.L. :Nehru	Mormu : :gao	N.Manga- :lore	Cochin : :	Tuti- :corin	Madras : :	Visakha : :patnam	Paradip : :	Calcutta: :/Haldia :	Total	
1	2	3	4	5	6	7	8	9	10	11	12	13	
1951-52	-	7.50	-	-	-	1.61	-	2.05	1.14	-	9.45	21.75	
1955-56	0.15	9.68	-	-	-	1.64	-	2.34	1.29	-	8.01	23.11	
1960-61	1.57	14.35	-	-	-	2.01	-	3.04	2.76	-	9.39	33.12	
1965-66	2.51	17.91	-	7.87	-	2.87	-	4.87	4.46	-	9.73	50.22	
1970-71	1.61	14.37	-	11.01	-	4.81	-	6.92	8.73	2.16	5.97	55.58	
1975-76	3.20	16.65	-	12.77	0.34	4.26	1.36	7.88	8.55	3.33	7.66	66.00	
1980-81	8.76	16.98	-	13.77	0.96	5.23	2.56	10.38	10.12	2.24	9.27	80.27	
1981-82	9.69	19.40	-	14.98	1.64	5.50	2.67	11.41	10.99	2.23	9.47	87.98	
1982-83	12.36	23.21	-	12.81	2.27	5.71	3.23	12.07	10.22	1.57	10.25	93.70	
1983-84	14.16	23.39	-	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	4.05	12.07	124.37	
1987-88	18.08	29.57	-	13.33	6.11	6.80	4.26	22.82	15.37	5.19	13.07	134.60	
1988-89	17.81	29.34	-	15.39	7.09	7.82	5.13	23.86	20.37	6.03	14.22	147.06	
1989-90	18.92	27.75	0.70	14.17	7.66	7.12	5.32	23.94	21.12	6.18	14.69	147.57	
1990-91	19.69	28.90	2.02	14.91	8.02	7.28	5.08	24.52	19.42	6.88	14.95	151.67	
1991-92	21.00	26.26	2.79	15.10	8.27	7.48	5.87	25.05	21.52	7.30	16.00	156.64	
1992-93	22.91	28.31	3.01	16.31	7.09	7.98	6.22	25.33	22.76	7.60	18.34	165.86	

2.2.3 TREND OF CARGO TRAFFIC HANDLED (COMMODITY-WISE) AT MAJOR PORTS IN INDIA
(1950 - 51 To 1992-93)

(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 1992-93)

(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	25908	147575	80856	66719
1990-91	64004	2879	6064	31904	19659	1528	25627	151665	85088	66577
1991-92	67602	3153	6767	32101	22403	1539	23079	156644	86569	70075
1992-93	72564	3595	6318	29827	24488	2795	26274	165861	97922	67939

Note:- Since 1989-90 Fertilizer Raw Material Includes liquid raw fertilizer also.

* Included with Fertilizers.

2.2.4 TREND OF CARGO TRAFFIC HANDLED (COMMODITY-WISE) AT KANDLA PORT
(1954 - 55 To 1992-93)

(In '000 Tonnes)

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

2.2.4 TREND OF CARGO TRAFFIC HANDLED (COMMODITY-WISE) AT KANDLA PORT
(1954 - 55 TO 1992-93)
(In '000 Tonnes)

Year	POL	Ferti- liser	Fertili- ser's Raw Material	Food- grains	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	-	3521	7292	6835	457
1980-81	7208	404	262	374	513	8761	8190	571
1981-82	7629	207	393	601	860	9690	9057	633
1982-83	10151	338	-	475	1394	12358	11653	705
1983-84	11361	93	136	514	2054	14158	13272	886
1984-85	11938	484	304	282	2737	15745	14570	1175
1985-86	12340	423	208	302	3213	16486	15175	1311
1986-87	11928	270	127	454	3415	16194	14854	1340
1987-88	13395	207	191	812	3478	18083	16281	1802
1988-89	13238	235	204	580	3550	17807	16439	1368
1989-90	14354	302	730	436	3103	18925	16755	2170
1990-91	15062	308	737	585	2993	19685	17271	2414
1991-92	16503	365	936	940	2258	21002	18148	2854
1992-93	17951	448	945	600	2966	22910	20503	2407

2.2.5 TREND OF CARGO TRAFFIC HANDLED (COMMODITY-WISE) AT BOMBAY PORT
(1950 - 51 To 1992-93)

(In '000 Tonnes)

Year	POL	Ferti- liser	Fertili- ser's Raw Material	Food- grains	Coal	Others	Total	Unloaded	Loaded
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1950-51	1900	122	...	1823	163	3428	7436	...	...
1951-52	2003	83	...	2191	126	3094	7497	...	...
1952-53	1803	71	...	1176	132	3296	6478	4711	1767
1953-54	1969	52	...	880	222	3818	6941	4958	1983
1954-55	2268	100	...	1516	145	3060	7089	5340	1749
1955-56	4654	73	30	1793	85	3045	9680	6437	3243
1956-57	6694	70	41	856	65	4713	12439	8579	3860
1957-58	6459	130	58	2026	78	4714	13465	9711	3754
1958-59	5721	224	63	1566	29	4394	11997	8638	3359
1959-60	6823	310	72	1754	20	4574	13553	9927	3626
1960-61	7311	208	67	2113	20	4630	14349	10720	3629
1961-62	7794	219	83	1221	161	4433	13911	10030	3881
1962-63	8262	220	141	1826	212	5305	15966	11407	4559
1963-64	10201	222	192	1622	115	5002	17354	12272	5082
1964-65	11119	235	182	2340	-	5003	18879	13355	5524
1965-66	9937	284	236	1568	-	5885	17910	12864	5046
1966-67	9919	250	329	2103	-	4406	17007	11960	5047
1967-68	8709	984	500	2475	-	4255	16923	12587	4336
1968-69	9731	1360	281	3265	-	4385	19022	14772	4250
1969-70	8668	823	282	1407	-	3992	15172	11696	3476

2.2.5 TREND OF CARGO TRAFFIC HANDLED (COMMODITY-WISE) AT BOMBAY PORT
(1950 - 51 To 1992-93)

(In '000 Tonnes)

Year	POL	Ferti- liser	Fertili- ser's Raw Material	Food- grains	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	339	702	117	-	8849	26936	11365	15571
1985-86	15470	331	721	608	-	7180	24310	11947	12363
1986-87	16313	236	985	497	-	7043	25074	11839	13235
1987-88	19384	174	992	572	-	8446	29568	13570	15998
1988-89	19063	162	1266	860	-	7991	29342	13567	15775
1989-90	18210	141	1082	432	-	7781	27746	13141	14605
1990-91	19670	46	621	625	-	7937	28899	13719	15180
1991-92	19512	37	457	340	-	5915	26261	11506	14755
1992-93	20303	39	928	544	-	6596	28310	14715	13595

2.2.5 (a) TREND OF CARGO TRAFFIC HANDLED (COMMODITY-WISE) AT J.L NEHRU PORT
(1950 - 51 TO 1992-93)

(In '000 Tonnes)

Year	POL	Ferti- liser	Fertili- ser's Raw Material	Food- grains	Others	Total	Unloaded	Loaded
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1989-90	-	102	132	-	406	697	507	190
1990-91	-	516	850	-	656	2022	1654	377
1991-92	-	623	820	-	1351	2794	2061	733
1992-93	-	588	114	577	1728	3007	2105	902

2.2.6 TREND OF CARGO TRAFFIC HANDLED (COMMODITY-WISE) AT MORMUGAO PORT
(1950 - 51 To 1992-93)

('000 Tonnes)

Year	POL	Ferti- liser	Fertili- ser's Raw Material	Iron Ore	Food- grains	Coal	Others	Total	Unloaded	Loaded
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1950-51	54	-	-	259	27	187	102	629	...	...
1951-52	67	-	-	515	56	107	99	844	...	...
1952-53	61	-	-	852	23	148	75	1159	...	...
1953-54	58	-	-	1402	19	150	92	1721	...	...
1954-55	22	-	-	1187	23	47	64	1343	...	...
1955-56	11	-	-	1561	37	10	83	1702	...	...
1956-57	14	-	-	1913	35	11	236	2209	...	...
1957-58	14	-	-	2877	45	16	272	3224	...	...
1958-59	30	5	-	1864	33	11	174	2117	...	...
1959-60	33	3	-	4431	39	13	234	4753	...	...
1960-61	39	4	-	6035	54	10	259	6401	184	6217
1961-62	47	3	-	6211	36	7	193	6497	162	6335
1962-63	54	3	-	5258	11	-	133	5459	111	5348
1963-64	63	8	-	5690	9	-	186	5956	115	5841
1964-65	82	65	-	6156	24	-	293	6620	217	6403
1965-66	87	65	-	7172	39	-	504	7867	239	7628
1966-67	130	139	-	7268	80	-	469	8086	397	7689
1967-68	130	205	-	7246	42	-	509	8132	418	7714
1968-69	163	159	-	7823	36	-	597	8778	369	8409
1969-70	145	51	-	8081	27	7	718	9029	241	8788

2.2.6 TREND OF CARGO TRAFFIC HANDLED (COMMODITY-WISE) AT MORMUGAO PORT
(1950 - 51 TO 1992-93)

('000 Tonnes)

Year	POL	Ferti- liser	Fertili- ser's Raw Material	Iron Ore	Food- grains	Coal	Others	Total	Unloaded	Loaded
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1970-71	234	97	-	9555	19	-	1100	11005	353	10652
1971-72	316	72	-	10553	32	-	727	11700	435	11265
1972-73	379	52	-	11697	50	-	668	12846	486	12360
1973-74	548	28	-	13078	51	-	630	14335	629	13706
1974-75	589	59	14	12564	37	-	869	14132	723	13409
1975-76	547	43	16	11480	69	-	613	12768	675	12093
1976-77	571	-	45	12178	-	-	661	13455	618	12837
1977-78	618	19	82	10210	-	-	273	11202	722	10480
1978-79	637	90	50	9362	-	-	659	10798	867	9931
1980-80	728	143	63	12816	-	-	755	14505	1055	13450
1980-81	589	178	19	12598	-	-	380	13764	843	12921
1981-82	657	138	64	13352	115	-	650	14976	1145	13831
1982-83	736	119	-	11407	43	-	509	12814	982	11832
1983-84	1020	142	61	11528	39	-	51	12841	938	11903
1984-85	904	290	79	12642	33	-	351	14299	1150	13149
1985-86	945	308	-	14188	-	-	674	16115	1621	14494
1986-87	784	229	226	13472	-	-	208	14919	1293	13626
1987-88	1132	54	178	11697	-	-	271	13332	1381	11951
1988-89	1321	127	221	13373	70	-	277	15389	1783	13606
1989-90	1043	245	146	12413	12	15	294	14168	1483	12685
1990-91	1369	166	148	12986	-	34	208	14911	1721	13190
1991-92	1865	127	251	12517	-	31	308	15099	2396	12703
1992-93	1784	244	204	13601	4	107	370	16314	2394	13920

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

2.2.7 TREND OF CARGO TRAFFIC HANDLED (COMMODITY-WISE) AT NEW MANGALORE PORT
(1974 - 75 To 1992 - 93)

('000 Tonnes)

Year	POL	Ferti- liser	Fertili- ser's Raw Material	Food- grains	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	208	-	14	-	327	901	674	227
1980-81	310	207	-	4	3	439	963	639	324
1981-82	364	180	-	152	547	399	1642	821	821
1982-83	351	153	-	22	1122	624	2272	851	1421
1983-84	348	211	-	141	1231	906	2837	1242	1595
1984-85	437	247	-	83	1727	888	3382	995	2387
1985-86	412	219	-	-	2260	795	3686	996	2690
1986-87	533	165	-	-	3873	860	5431	1197	4234
1987-88	461	93	-	-	4357	1197	6108	1305	4803
1988-89	571	46	-	62	5011	1394	7084	1567	5517
1989-90	577	115	77	-	5877	1015	7661	1294	6367
1990-91	612	83	99	-	6125	1103	8022	1363	6659
1991-92	622	141	175	-	6493	843	8274	1298	6976
1992-93	630	241	115	258	5082	762	7088	1530	5558

2.2.8 TREND OF CARGO TRAFFIC HANDLED (COMMODITY-WISE) AT COCHIN PORT
(1950 - 51 To 1992-93)

('000 Tonnes)

Year	POL	Fertili- liser	Fertili- ser's Raw Material*	Food- grains	Coal	Others	Total	Unloaded	Loaded
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1950-51	284	15	...	325	117	628	1369	...	...
1951-52	347	20	...	343	84	812	1606	...	...
1952-53	334	21	...	392	166	663	1576	1244	332
1953-54	411	27	...	338	141	666	1583	1254	329
1954-55	411	25	...	194	201	746	1577	1218	359
1955-56	482	57	...	47	260	789	1635	1241	394
1956-57	499	65	...	180	239	772	1755	1329	426
1957-58	563	70	...	112	289	794	1828	1426	402
1958-59	570	109	...	12	273	844	1808	1355	453
1959-60	594	129	...	142	308	804	1977	1549	428
1960-61	670	156	...	76	345	763	2010	1622	388
1961-62	768	158	...	184	327	848	2285	1877	408
1962-63	817	213	...	100	359	873	2362	1959	403
1963-64	923	212	...	56	364	900	2455	2034	421
1964-65	992	179	...	166	288	1087	2712	2260	452
1965-66	1045	214	...	287	192	1134	2872	2413	459
1966-67	1749	382	...	386	104	1049	3670	3072	598
1967-68	3777	342	...	169	36	1101	5425	3732	1693
1968-69	3673	198	...	243	64	1011	5189	3782	1407
1969-70	3564	177	...	186	65	803	4795	3369	1426

2.2.8 TREND OF CARGO TRAFFIC HANDLED (COMMODITY-WISE) AT COCHIN PORT (CONTD.)
(1950 - 51 To 1992-93)
('000 Tonnes)

Year	POL	Ferti- liser	Fertili- ser's Raw Material*	Food- grains	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	3867	681	...	22	-	889	5459	4353	1106
1980-81	3964	662	...	15	-	592	5233	4112	1121
1981-82	4177	531	...	105	-	688	5501	4203	1298
1982-83	4299	544	...	91	-	776	5710	4471	1239
1983-84	3675	503	...	106	-	720	5004	4102	902
1984-85	2611	784	...	49	-	631	4075	3677	398
1985-86	3863	769	...	5	-	640	5277	4557	720
1986-87	5432	139	734	15	-	563	6883	5600	1283
1987-88	5366	110	757	23	-	546	6802	5585	1217
1988-89	6268	139	549	175	-	693	7824	6541	1283
1989-90	5589	209	680	45	-	601	7124	6053	1071
1990-91	5804	181	684	40	-	566	7275	6251	1024
1991-92	5881	148	821	19	-	612	7481	6433	1048
1992-93	6222	136	800	90	-	730	7978	6864	1114

* 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 1992 - 93)

('000 Tonnes)

Year	POL	Ferti- liser	Fertili- ser's Raw Material	Food- grains	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
1992-93	510	378	431	189	3162	1545	6215	5408	807

2.2.10 TREND OF CARGO TRAFFIC HANDLED (COMMODITY-WISE) AT MADRAS PORT
(1950 - 51 To 1992-93)

('000 Tonnes)

Year	POL	Ferti- liser	Fertili- ser'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	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
(1950 - 51 To 1992-93)

(CONT'D.)
('000 Tonnes)

Year	POL	Ferti- liser	Fertili- ser's Raw Material	Food- grains	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	4893	23940	14097	9843
1990-91	8162	501	343	65	5549	4353	5545	24518	15000	9518
1991-92	8649	544	288	77	5406	5051	5031	25046	15064	9982
1992-93	8632	582	271	242	4838	5588	5178	25331	16286	9045

2.2.11 TREND OF CARGO TRAFFIC HANDLED (COMMODITY-WISE) AT VAISAKHAPATNAM PORT
(1950 - 51 To 1992 - 93)

('000 Tonnes)

Year	POL	Ferti- liser	Fertili- ser'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	362	419	-	880	3742	1910	1832
1965-66	2006	75	67	354	1087	-	871	4460	1908	2552
1966-67	2289	174	98	380	1975	-	962	5878	2227	3651
1967-68	2061	242	194	415	2481	-	1052	6445	2414	4031
1968-69	2424	259	259	380	3397	-	1331	8050	2691	5359
1969-70	1946	241	305	229	4400	-	1191	8312	2329	5983

2.2.11 TREND OF CARGO TRAFFIC HANDLED (COMMODITY-WISE) AT VISAKHAPATNAM PORT
(1950 - 51 To 1992 - 93)

('000 Tonnes)

Year	POL	Ferti- liser	Fertili- ser's Raw Material	Food- grains	Iron Ore	Coal	Others	Total	Unloaded	Loaded
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1970-71	1666	204	418	223	4935	-	1287	8733	2325	6408
1971-72	1924	263	468	256	4701	-	1026	8638	2792	5846
1972-73	1761	269	355	139	4071	-	814	7409	2372	5037
1973-74	1937	345	383	400	4189	-	701	7955	2996	4959
1974-75	1668	334	425	482	3585	-	655	7149	2877	4272
1975-76	1438	362	342	742	4764	-	900	8548	2876	5672
1976-77	1949	256	380	369	5033	-	711	8698	2537	6161
1977-78	2196	400	405	106	6057	-	528	9692	2592	7100
1978-79	2400	477	356	106	5960	62	686	10047	3144	6903
1979-80	2600	400	482	219	5433	621	474	10229	4067	6162
1980-81	2386	397	424	127	5657	353	779	10123	3999	6124
1981-82	2113	98	497	466	6194	433	1194	10995	4008	6987
1982-83	2108	512	..	349	5526	805	916	10216	4150	6066
1983-84	3126	81	445	438	4967	365	460	9882	4295	5587
1984-85	3470	386	518	107	5776	701	124	11082	4752	6330
1985-86	6274	299	671	82	5727	1737	1121	15911	8941	6970
1986-87	5307	164	540	263	5881	976	1904	15035	7195	7840
1987-88	5566	108	642	34	5585	2516	920	15371	7561	7810
1988-89	6999	145	701	265	6930	3810	1522	20372	10340	10032
1989-90	6828	410	1115	113	6791	4221	1639	21117	10410	10707
1990-91	5598	459	1290	-	5496	4889	1689	19421	10322	9099
1991-92	6384	504	1325	27	6161	5648	1473	21522	10431	11091
1992-93	7592	484	1336	171	4960	6021	2201	22765	12774	9991

2.2.12 TREND OF CARGO TRAFFIC HANDLED (COMMODITY-WISE) AT PARADIP PORT
(1966 - 67 To 1992 - 93)

('000 Tonnes)

Year	POL	Ferti- liser	Fertili- ser's Raw Material	Food- grains	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	42	854
1968-69	-	-	-	8	1212	-	18	1238	-	1238
1969-70	-	-	-	-	1677	-	71	1748	-	1748
1970-71	-	-	-	-	2134	-	23	2157	1	2156
1971-72	-	-	-	-	1798	-	108	1906	1906	-
1972-73	-	-	-	-	1874	-	149	2023	2023	-
1973-74	-	-	-	-	2030	-	258	2288	2288	-
1974-75	-	-	-	-	2190	-	417	2668	2546	-
1975-76	-	-	-	61	2707	10	561	3326	189	122
1976-77	-	10	-	48	2322	224	641	3317	168	3137
1977-78	-	29	-	89	2196	46	380	2740	89	3149
1978-79	-	69	-	-	1726	-	369	2164	181	2651
1979-80	-	40	-	31	1651	215	369	2306	391	1983
1980-81	-	88	-	-	1817	73	263	2241	307	1915
1981-82	-	84	-	-	1637	173	336	2230	307	1934
1982-83	-	26	-	47	984	331	184	1572	414	1816
1983-84	-	47	-	148	990	25	158	1368	524	1048
1984-85	-	37	-	12	1607	148	333	2137	319	1049
1985-86	-	135	-	-	1868	869	409	3331	957	1944
1986-87	-	61	50	-	2079	1511	708	4853	2001	2374
1987-88	-	9	494	-	1709	2305	694	5187	2252	2852
1988-89	-	-	648	50	1678	2394	1262	6032	2777	2935
1989-90	-	157	301	6	2059	2709	952	6184	2460	3255
1990-91	-	100	508	11	1748	3614	903	6884	2839	3724
1991-92	-	87	773	1	1524	3954	958	7297	2880	4045
1992-93	-	142	647	3	1346	4542	926	7606	2428	4417
										5178

2.2.13 TREND OF CARGO TRAFFIC HANDLED (COMMODITY-WISE) AT CALCUTTA/HALDIA PORT
(1950 - 51 To 1992 -93)

('000 Tonnes)

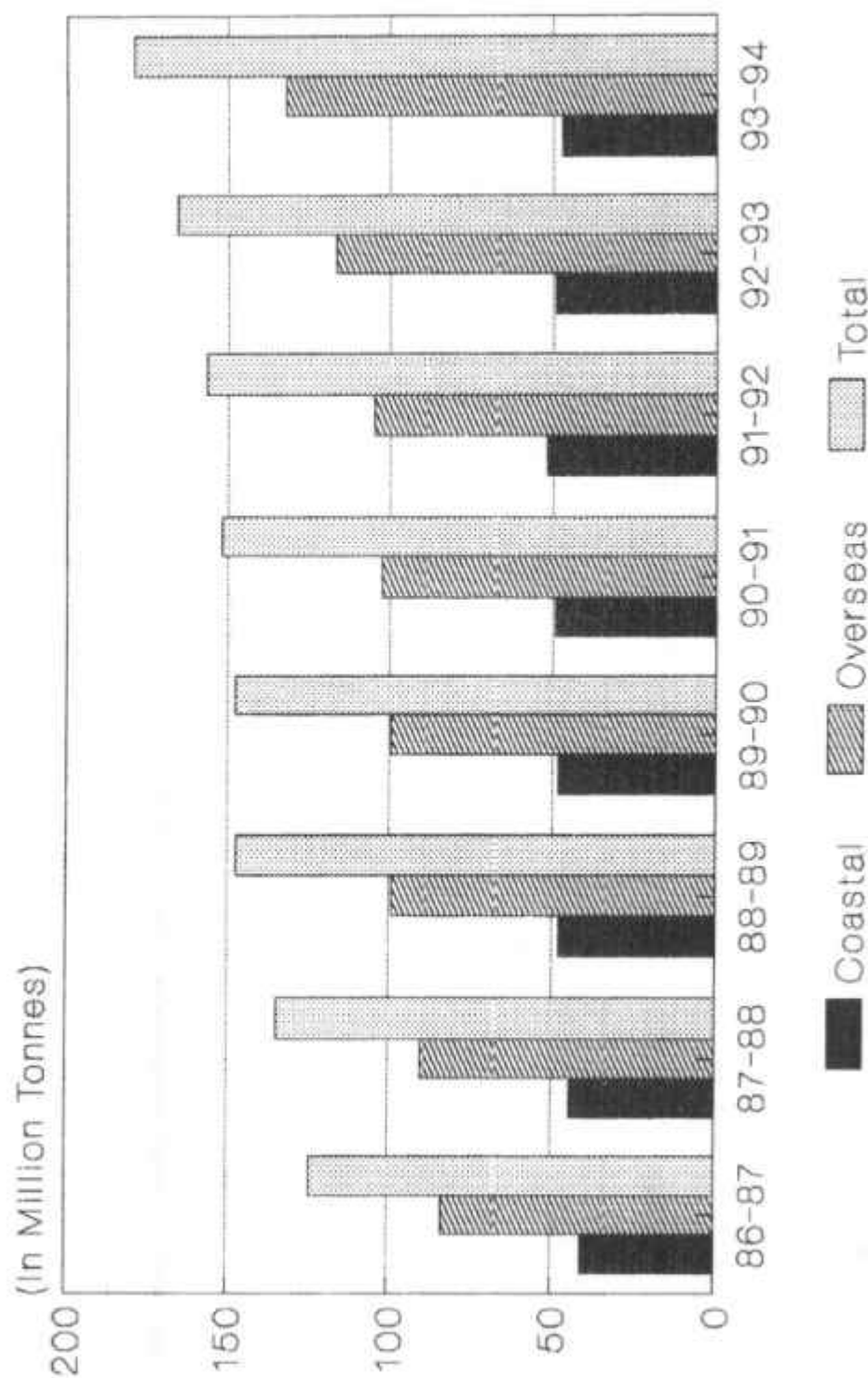
Year	POL	Ferti- liser	Fertili- ser's Raw Material	Food- grains	Iron Ore	Coal	Others	Total	Unloaded	Loaded
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1950-51	781	-	119	630	277	2137	3588	7532	..	..
1951-52	926	19	48	1688	440	3167	3160	9448	4156	5292
1952-53	985	30	11	1084	960	3434	3056	9560	3370	6190
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 1992- 93)

('000 Tonnes)

Year	POL	Ferti- liser	Fertili- ser's Raw Material	Food- grains	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
1992-93	8940	313	527	117	-	5068	3372	18337	12915	5422

Coastal/Overseas Traffic Handled at Major Ports



2.2.14 TREND OF CARGO TRAFFIC (OVERSEAS/COASTAL) AT VARIOUS MAJOR PORTS
(1960 - 61 To 1992 -93)

('000 Tonnes)

[illegible]

2.2.14 TREND OF CARGO TRAFFIC (OVERSEAS/COASTAL) AT VARIOUS MAJOR PORTS
(1960 - 61 To 1992 -93)

('000 Tonnes)

				P	O	R	T	S					
Year	Kandla	Bombay	J.L. Nehru	Mormu- gao	N.Manga- lore	Cochin	Tutli- corin	Madras	Visakha patnam	Paradip	Calcutta Haldia	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	12012	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	
1992-93	22910	28310	3007	16314	7088	7978	6215	25331	22765	7606	18337	165861	

2.2.15 TREND OF CARGO TRAFFIC (UNLOADED/LOADED) AT VARIOUS MAJOR PORTS
(1960 - 61 To 1992 -93)

('000 Tonnes)

[illegible]

2.2.15 TREND OF CARGO TRAFFIC (UNLOADED/LOADED) AT VARIOUS MAJOR PORTS
(1960 - 61 To 1992 - 93)

('000 Tonnes)

Year	Kandla	Bombay	J.L. Nehru	Mormu Gao	N.Manga lore	Cochin	Tuti corin	Madras	Visakh patnam	Paradip	Calcutta	Total
1	2	3	4	5	6	7	8	9	10	11	12	13
TOTAL	1573	14349	-	-	-	2010	-	3039	2763	-	9391	33125
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
1975-6	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	3824	5125	23863	20372	6032	14223	143061
1989-90	18925	27746	697	14168	7661	7124	5324	23940	21117	6184	14689	147575
1990-91	19685	28899	2022	14911	8022	7275	5075	24518	19421	6884	14953	151665
1991-92	21002	26261	2794	15099	8274	7481	5868	25046	21522	7297	16000	156644
1992-93	22910	28310	3007	16314	7088	7978	6215	25331	22765	7606	18337	165861

2.2.16 CARGO TRAFFIC HANDLED AT MAJOR PORTS IN INDIA

('000 tonnes)

PORT/ YEAR	OVERSEAS		COASTAL		OVERSEAS & COASTAL				
	: Unloaded:Loaded	: Total	: Unloaded:Loaded	: Total	: Unloaded:Loaded	: Total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
KANDLA									
1965-66	1843	95	1938	493	74	567	2336	169	2505
1970-71	801	106	907	673	32	705	1474	138	1612
1975-76	2105	254	2359	819	25	844	2924	279	3203
1980-81	6871	488	7359	1319	83	1402	8190	571	8761
1985-86	8445	930	9375	6730	381	7111	15175	1311	16486
1988-89	9837	1241	11078	6602	127	6729	16439	1368	17807
1989-90	9834	1870	11704	6921	300	7221	16755	2170	18925
1990-91	11367	2267	13634	5904	147	6051	17271	2414	19685
1991-92	12047	2636	14683	6101	218	6319	18148	2854	21002
1992-93	16235	2252	18487	4268	155	4423	20503	2407	22910
BOMBAY									
1965-66	11398	2139	13537	1466	2907	4373	12864	5046	17910
1970-71	9663	1091	11554	1310	1506	2816	10973	3397	14370
1975-76	11630	2591	14221	1024	1405	2429	12654	3996	16650
1980-81	10725	1907	12632	2484	1862	4346	13209	3769	16978
1985-86	11168	3002	14170	779	9361	10140	11947	12363	24310
1988-89	13106	3121	16227	461	12654	13115	13567	15775	29342
1989-90	12846	3609	16455	295	10996	11291	13141	14605	27746
1990-91	13125	3238	16363	594	11942	12536	13719	15180	28899
1991-92	11082	3239	14321	424	11516	11940	11506	14755	26261
1992-93	14599	3144	17743	116	10451	10567	14715	13595	28310
J. L. NEHRU									
1989-90	507	190	697	-	-	-	507	190	697
1990-91	1645	377	2022	-	-	-	1645	377	2022
1991-92	2061	733	2794	-	-	-	2061	733	2794
1992-93	2105	902	3007	-	-	-	2105	902	3007

2.2.16 CARGO TRAFFIC HANDLED AT MAJOR PORTS IN INDIA

('000 tonnes)

PORT/ YEAR	OVERSEAS		COASTAL		OVERSEAS & COASTAL					
:	Unloaded:	Loaded :	Unloaded:	Loaded :	Unloaded:	Loaded :				
:	Total		Total		Total					
:	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
MORMUGAO										
1965-66	83	7620	7703	156	8	164	239	7628	7867	
1970-71	86	10652	10738	267	0	267	353	10652	11005	
1975-76	216	12093	12309	459	0	459	675	12093	12768	
1980-81	621	12921	13542	222	0	222	843	12921	13764	
1985-86	1163	14494	15657	458	0	458	1621	14494	16115	
1988-89	1279	13586	14865	504	20	524	1783	13606	15389	
1989-90	847	12664	13511	636	21	657	1483	12685	14168	
1990-91	1058	13154	14212	663	36	699	1721	13190	14911	
1991-92	1660	12515	14175	736	188	924	2396	12703	15099	
1992-93	1720	13531	15251	674	389	1063	2394	13920	16314	
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	3086	
1988-89	1054	5492	6546	513	25	538	1567	5517	7084	
1989-90	812	6367	7179	482	0	482	1294	6367	7661	
1990-91	799	6485	7284	564	174	738	1363	6659	8022	
1991-92	660	6470	7130	638	506	1144	1298	6976	8274	
1992-93	935	5530	6465	595	28	623	1530	5558	7088	
COCHIN										
1965-66	1363	264	1627	1050	195	1245	2413	459	2872	
1970-71	3292	451	3743	155	914	1069	3447	1365	4812	
1975-76	2913	334	3247	408	603	1011	3321	937	4258	
1980-81	3517	290	3807	595	831	1426	4112	1121	5233	
1985-86	1803	498	2301	2754	222	2976	4557	720	5277	
1988-89	2959	680	3639	3582	603	4185	6541	1283	7824	
1989-90	2483	482	2965	3570	589	4159	6053	1071	7124	
1990-91	2138	380	2518	4113	644	4757	6251	1024	7275	
1991-92	2566	454	3020	3867	594	4461	6433	1048	7481	
1992-93	2601	593	3194	4263	521	4784	6864	1114	7978	

2.2.16 CARGO TRAFFIC HANDLED AT MAJOR PORTS IN INDIA

('000 tonnes)

PORT/ YEAR	:	OVERSEAS	:	COASTAL	:	OVERSEAS & COASTAL			
	:	Unloaded:Loaded	:	Total	:	Unloaded:Loaded	:	Total	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
VISAKHAPATNAM									
1965-66	1887	1883	3770	21	669	690	1908	2552	4460
1970-71	2222	6124	8346	103	284	387	2325	6408	8733
1975-76	2814	5600	8414	62	72	134	2876	5672	8548
1980-81	3471	5985	9456	528	139	667	3999	6124	10123
1985-86	4862	6189	11051	4079	781	4860	8941	6970	15911
1988-89	7032	7851	14883	3308	2181	5489	10340	10032	20372
1989-90	7182	7745	14927	3228	2962	6190	10410	10707	21117
1990-91	7925	5895	13820	2397	3204	5601	10322	9099	19421
1991-92	8597	6237	14834	1834	4854	6688	10431	11091	21522
1992-93	11990	5607	17597	784	4384	5168	12774	9991	22765
PARADIP									
1965-66	-	-	2156	1	-	1	1	-	-
1970-71	188	3127	3315	1	10	11	189	2156	2157
1975-76	306	1934	2240	1	-	1	307	3137	3326
1980-81	957	2092	3049	-	282	282	957	1934	2241
1985-86	2777	2275	5052	-	980	980	2777	2374	3331
1988-89	2460	2432	4892	-	1292	1292	2460	3255	6032
1989-90	2839	2101	4940	-	1944	1944	2839	3724	6184
1990-91	2880	2048	4928	-	2369	2369	2880	4045	6884
1991-92	2428	1792	4220	-	3386	3386	2428	4417	7297
1992-93								5178	7606

2.2.16 CARGO TRAFFIC HANDLED AT MAJOR PORTS IN INDIA

('000 tonnes)

PORT/ YEAR	OVERSEAS		:	COASTAL		:	OVERSEAS & COASTAL			
	:Unloaded:Loaded	: Total	:Unloaded:Loaded	: Total	:Unloaded:Loaded	: Total	:Unloaded:Loaded	: Total		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
CALCUTTA/HALDIA										
1965-66	3660	3101	6761	1624	1344	2968	5284	4445	9729	
1970-71	1872	2443	4315	1375	275	1650	3247	2718	5965	
1975-76	3810	2019	5829	669	1165	1834	4479	3184	7663	
1980-81	5983	1137	7120	1005	1147	2152	6988	2284	9272	
1985-86	7841	823	8664	816	2648	3464	8657	3471	12128	
1988-89	8545	825	9370	1150	3703	4853	9695	4528	14223	
1989-90	8701	997	9698	1055	3936	4991	9756	4933	14689	
1990-91	9366	1006	10372	1050	3531	4581	10416	4537	14953	
1991-92	10125	1123	11248	1128	3624	4752	11253	4747	16000	
1992-93	11017	1366	12383	1898	4056	5954	12915	5422	18337	
ALL PORTS										
1965-66	22407	16625	39032	5936	5247	11183	28343	21872	50215	
1970-71	21495	26582	48077	4062	3440	7502	25557	30022	55579	
1975-76	29124	29043	58167	4209	3628	7837	33333	32671	66004	
1980-81	39090	28503	67593	7726	4951	12677	46816	33454	80270	
1985-86	45818	36730	82548	22156	14909	37065	67974	51639	119613	
1988-89	55401	43790	99191	25909	21961	47870	81310	65751	147061	
1989-90	54134	45255	99389	26722	21464	48186	80856	66719	147575	
1990-91	59023	43629	102652	26065	22948	49013	85088	66577	151665	
1991-92	59909	44888	104797	26660	25187	51847	86569	70075	156644	
1992-93	73569	43163	116732	24353	24776	49129	97922	67939	165861	

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

PORT/ YEAR	1990-91	1991-92	1992-93						
	Unloaded:Loaded	Total	Unloaded:Loaded	Total	Unloaded:Loaded	Total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
KANDLA	11367	2267	13634	12047	2636	14683	16235	2252	18487
POL- Crude	5972	-	5972	6729	-	6729	9232	-	9232
POL- Products	2476	637	3113	2868	660	3528	3525	895	4420
Fertilizer	308	-	308	365	-	365	448	-	448
Fertilizer'Raw									
Material (Dry)	316	-	316	261	-	261	334	-	334
Fertilizer'Raw									
Material (liquid)	421	-	421	675	-	675	611	-	611
Foodgrains	-	585	585	-	938	938	199	399	598
Iron & Steel	18	5	23	24	2	26	59	2	61
Iron Scrap	702	-	702	196	-	196	840	-	840
Sugar	-	-	-	-	12	12	-	23	23
Veg. Oil & animal fats	150	47	197	52	64	116	50	51	101
Salt	-	188	188	-	127	127	-	50	50
Other Commodities	1004	805	1809	877	833	1710	937	832	1769

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

PORT/ YEAR	1990-91	1991-92	1992-93						
: :	:	:	:						
:Unloaded:Loaded : Total :Unloaded:Loaded : Total :Unloaded:Loaded : Total	:	:	:						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
BOMBAY	13125	3238	16363	11082	3239	14321	14599	3144	17743
POL Crude	5254	35	5289	5511	-	5511	7278	-	7278
POL- Products	1463	699	2162	1523	808	2331	1661	882	2543
Fertilizer	46	-	46	37	-	37	39	-	39
Fertilizers' Raw	621	-	621	457	-	457	928	-	928
Material (Dry)	-	-	-	-	-	-	-	-	-
Fertilizers' Raw	-	-	-	-	-	-	-	-	-
Material (Liquid)	574	51	625	253	87	340	446	98	544
Foodgrains	1120	94	1214	826	110	936	1040	138	1178
Iron & Steel	255	21	276	99	25	124	81	16	97
Veg. Oil & animal fats	1013	-	1013	475	-	475	830	-	830
Iron Scrap	-	-	-	-	-	-	-	-	-
Cement	-	-	-	-	-	-	-	-	-
Sugar	neg.	22	22	-	101	101	-	16	16
Other Commodities	2779	2316	5095	1901	2108	4009	2296	1994	4290

Note:- 636 tonnes Tare weight of containers is excluded in 1992-93.

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

PORT/ YEAR	1990-91	1991-92	1992-93						
: Unloaded:Loaded : Total : Unloaded:Loaded : Total : Unloaded:Loaded : Total									
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
JAWAHARLAL NEHRU	1645	377	2022	2061	733	2794	2105	902	3007
Fertiliser	516	-	516	623	-	623	588	-	588
Fert. Raw	850	-	850	820	-	820	106	-	106
Material (Dry)	-	-	-	-	-	-	-	-	-
Fert. Raw	-	-	-	-	-	-	8	-	8
Material (Liquid)	-	-	-	-	-	-	577	-	577
Foodgrains	279	377	656	618	733	1351	826	902	1728
Other Commodities	1058	13154	14212	1660	12515	14175	1720	13531	15251
MORMUGAO									
POL-Product	706	-	706	1250	-	1250	1142	-	1142
Fertilizer	166	-	166	127	-	127	244	-	244
Fertilizer Raw	-	-	-	-	-	-	-	-	-
Material (Dry)	-	-	-	-	-	-	-	-	-
Fertilizer Raw	148	-	148	251	-	251	204	-	204
Material (Liquid)	-	-	-	-	-	-	4	-	4
Foodgrains	34	-	34	31	-	31	107	-	107
Coal	-	12950	12950	-	12208	12208	-	13195	13195
Iron Ore	-	127	127	-	120	120	-	131	131
Other Ore	-	77	81	1	187	188	19	205	224
Other Commodities	4								

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

PORT/ YEAR	1990-91		1991-92		1992-93				
	:	:	:	:	:	:			
	:Unloaded:Loaded	: Total	:Unloaded:Loaded	: Total	:Unloaded:Loaded	: Total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
NEW MANGALORE	799	6485	7284	660	6470	7130	935	5530	6465
POL-Products	97	-	97	57	-	57	68	-	68
Fertilizer	83	-	83	141	-	141	241	-	241
Fertilier Raw									
Material (Dry)	-	-	-	-	-	-	-	-	-
Fertilier Raw									
Material(Liquid)	99	-	99	175	-	175	115	-	115
Foodgrain	-	-	-	-	-	-	258	-	258
Iron scrap	89	-	89	67	-	67	28	-	28
Coal	-	-	-	-	-	-	-	-	-
Iron Ore & Pellets	-	5951	5951	-	5993	5993	-	5061	5061
Other Ore	-	17	17	-	17	17	-	16	16
Coffee	-	44	44	-	50	50	-	23	23
Other Commodities	431	473	904	220	410	630	225	430	655

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

PORT/ YEAR	1990-91	1991-92	1992-93						
	Unloaded:Loaded	Total : Unloaded:Loaded	Total : Unloaded:Loaded						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
COCHIN	2138	380	2518	2566	454	3020	2601	593	3194
POL- Crude	1035	-	1035	1337	-	1337	1226	-	1226
POL- Products	20	31	51	18	93	111	66	213	279
Fertilizer	181	-	181	148	-	148	136	-	136
Fertilizer 'Raw-	434	-	434	464	-	464	415	-	415
Material (Dry)	250	-	250	357	-	357	385	-	385
Fertilizer 'Raw-	27	13	40	16	3	19	87	3	90
Foodgrains	3	2	5	1	2	3	2	5	7
Iron & Steel									
Veg. Oil & animal									
fats	3	3	6	1	-	1	2	-	2
Tea	-	10	10	-	18	18	-	32	32
Coffee	-	36	36	-	6	6	-	46	46
Cashewnuts/Cashew									
Kernels	5	50	55	1	37	38	11	31	42
Other Commodities	180	235	415	223	295	518	271	263	534

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

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

PORT/ YEAR	1990-91	1991-92	1992-93	
	: Unloaded:Loaded	: Total : Unloaded:Loaded	: Total : Unloaded:Loaded	: Total
(1)	(2)	(3)	(4)	(5) (6) (7) (8) (9) (10)
MADRAS	7313	8205	15518	6757 8682 15439 8197 7644 15841
POL- Crude	3221	-	3221	3442 - 3442 4344 - 4344
POL- Products	34	457	491	77 756 833 49 492 541
Fertilizer	501	-	501	544 - 544 582 - 582
Fertilizers'Raw	343	-	343	288 - 288 271 - 271
Materials (Dry)	-	-	-	-
Fertilizers'Raw	-	-	-	-
Materials (Liquid)	-	-	-	-
Foodgrains	36	2	38	3 53 56 217 2 219
Iron & Steel	309	-	309	219 - 219 1147 27 1174
Veg. Oil & animal fats	84	-	84	36 - 36 18 - 10
Iron Ore	-	5549	5549	- 5406 5406 - 4838 4838
Chemicals	228	31	259	304 25 307 58 365
Iron Scrap	649	13	662	331 19 350 923 19 942
Coal	28	-	28	- - - 35 - 35
Coke	119	-	119	82 - 82 12 - 12
Other Commodities	1761	2153	3914	1431 2423 3854 292 2208 2500

('000 tonnes)

Other Commodities

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

PORT/ YEAR	1990-91	1991-92	1992-93						
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
:Unloaded:Loaded : Total :Unloaded:Loaded : Total :Unloaded:Loaded : Total									
CALCUTTA	2025	798	2823	1829	1034	2863	1875	1259	3134
POL- Crude	-	-	-	-	-	-	-	-	-
POL- Products	97	-	97	120	-	120	74	-	74
Fertilizer	148	-	148	203	-	203	198	-	198
Fertilizer Raw									
Material (Dry)	151	-	151	132	-	132	142	-	142
Fertilizer Raw									
Material (Liquid)	-	-	-	-	-	-	-	-	-
Foodgrains	89	-	89	60	-	60	58	-	58
Iron & Steel	273	119	392	276	184	460	237	311	548
Veg. Oil & animal fats	141	-	141	68	-	68	29	-	29
Cement	37	-	37	48	-	48	9	-	9
Chemicals	44	-	44	47	-	47	43	-	43
Tea	-	96	96	-	152	152	-	101	101
Coal	15	-	15	6	-	6	19	-	19
Sugar	-	-	-	-	-	-	-	-	-
Jute & its products	-	202	202	-	230	230	-	175	175
Other Commodities	1030	381	1411	869	468	1337	1066	672	1738

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

PORT/ YEAR	1990-91		1991-92		1992-93					
	: Unloaded:	: Loaded :	: Total :	: Unloaded:	: Loaded :	: Total :				
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
HALDIA	7341	208	7549	8296	89	8385	9142	107	9249	
POL- Crude	2901	-	2901	3072	-	3072	3031	-	3031	
POL- Products	2630	-	2630	2900	-	2900	3206	-	3206	
Fertilizer	83	-	83	72	-	72	115	-	115	
Fertilizer Raw										
Materials (Dry)	203	-	203	175	-	175	205	-	205	
Fertilizer Raw										
Materials (Liquid)	103	-	103	172	-	172	180	-	180	
Foodgrains	-	-	-	-	-	-	49	10	59	
Iron & Steel	9	9	18	14	9	23	37	37	74	
Iron scrap (Pig Iron)	58	-	58	46	-	46	49	-	49	
Coal	1251	-	1251	1795	-	1795	2089	-	2089	
Cement	-	-	-	-	-	-	-	-	-	
Tea	-	80	80	-	32	32	-	33	33	
Other Commodities	103	119	222	50	48	98	181	27	208	

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

PORT/ YEAR	1990-91		1991-92		1992-93							
	:		:		:							
	:Unloaded:Loaded		:Total		:Unloaded:Loaded		:Total		:Unloaded:Loaded		:Total	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)			

ALL MAJOR PORTS	59023	43629	102652	59909	44888	104797	73569	43163	116732			
POL- Crude	20320	65	20385	23305	-	23305	29925	-	29925			
POL- Products	8148	1925	10073	9213	2546	11759	10642	2850	13492			
Fertilizer	2879	-	2879	3153	-	3153	3595	-	3595			
Fertilizers'Raw	4383	-	4383	3925	-	3925	3782	-	3782			
Material (Dry)												
Fertilizers'Raw	1681	-	1681	2842	-	2842	2536	-	2536			
Material (Liquid)	811	687	1498	333	1183	1516	2248	522	2770			
Foodgrains	1760	461	2221	1373	510	1883	2524	1070	3594			
Iron & Steel	5732	-	5732	6011	-	6011	6847	-	6847			
Coal	236	-	236	197	-	197	169	-	169			
Coke	-	31259	31259	-	30293	30293	-	28283	28283			
Iron Ore	13073	9232	22305	9557	10356	19913	11301	10438	21739			
Other Commodities												

('000 tonnes)

PORT/ YEAR	1990-91	1991-92	1992-93						
: : : :									
: Unloaded:Loaded : Total : Unloaded:Loaded : Total : Unloaded:Loaded : Total									
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
KANDLA	5904	147	6051	6101	218	6319	4268	155	4423
POL-Crude	4952	-	4952	5100	-	5100	3237	-	3237
POL-Products	932	93	1025	984	162	1146	1015	47	1062
Foodgrains	neg.	neg.	neg.	1	1	2	1	1	2
Veg. Oil & animal fats	5	18	23	6	-	6	-	-	-
Other Commodities	15	36	51	10	55	65	15	107	122
BOMBAY	594	11942	12536	424	11516	11940	116	10451	10567
POL-Crude	209	9682	10091	20	9981	10001	-	8161	8161
POL-Products	71	2057	2128	138	1531	1669	32	2289	2321
Foodgrains	neg.	neg.	neg.	-	-	-	-	-	-
Cement	34	-	34	39	-	39	26	-	26
Salt	10	-	10	8	-	8	20	-	20
Iron & Steel	1	neg.	1	17	neg.	17	2	-	2
Veg. Oil & animal fats	-	neg.	neg.	-	-	-	-	-	-
Other commodities	269	3	272	202	4	206	36	1	37

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

PORT/ YEAR	1990-91			1991-92			1992-93		
	: :	:	:	:	:	:	:	:	:
	:Unloaded:Loaded	: Total	:Unloaded:Loaded	: Total	:Unloaded:Loaded	: Total	:Unloaded:Loaded	: Total	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
MORMUGAO	663	36	699	736	188	924	674	389	1063
POL- Product	663	-	663	615	-	615	642	-	642
Iron Ore	-	36	36	121	188	309	30	376	406
Others	-	-	-	-	-	-	2	13	15
NEW MANGALORE	564	174	738	638	506	1144	595	28	623
POL- Products	515	-	515	565	-	565	562	-	562
Iron ore/Pallets	-	174	174	-	500	500	-	21	21
Other commodities	49	-	49	73	6	79	33	7	40
COCHIN	4113	644	4757	3867	594	4461	4263	521	4784
POL- Crude	4027	-	4027	3577	-	3577	4001	-	4001
POL- Products	49	642	691	267	589	856	199	517	716
Other commodities	37	2	39	23	5	28	63	4	67

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

PORT/ YEAR	: 1990-91	: 1991-92	: 1992-93						
	: Unloaded:Loaded	: Total : Unloaded:Loaded	: Total : Unloaded:Loaded	: Total : Unloaded:Loaded	: Total : Unloaded:Loaded	: Total : Unloaded:Loaded	: Total : Unloaded:Loaded	: Total : Unloaded:Loaded	: Total : Unloaded:Loaded
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
TUTICORIN	3093	13	3106	3625	18	3643	3666	5	3671
POL- Products	470	-	470	496	-	496	510	-	510
Foodgrains	-	-	-	-	-	-	-	-	-
Coal	2608	-	2608	3116	-	3116	3145	-	3145
Other commodities	15	13	28	13	18	31	11	5	16
MADRAS	7687	1313	9000	8307	1300	9607	8089	1401	9490
POL- Crude	3269	-	3269	3152	-	3152	2477	-	2477
POL- Products	12	1169	1181	36	1186	1222	31	1239	1270
Veg. Oil & animal fats	neg.	7	7	neg.	2	2	neg.	1	1
Coal	4325	-	4325	5051	-	5051	5541	-	5541
Coke	-	-	-	-	-	-	-	-	-
Foodgrains	-	27	27	-	21	21	-	23	23
Other commodities	81	110	191	68	91	159	40	138	178

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

PORT/ YEAR	1990-91	1991-92	1992-93						
	: 1990-91		: 1991-92		: 1992-93				
	: Unloaded:Loaded		: Total :Unloaded:Loaded		: Total :Unloaded:Loaded		: Total		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
VISAKHAPATNAM	2397	3204	5601	1834	4854	6688	784	4384	5168
POL- crude	2175	-	2175	1194	-	1194	352	-	352
POL- Products	179	551	730	577	770	1347	395	812	1207
Coal	-	2182	2182	-	3054	3054	-	2501	2501
Chemicals	24	-	24	40	-	40	36	-	36
Iron Ore	-	435	435	-	999	999	-	1056	1056
Other commodities	19	36	55	23	31	54	1	15	16
PARADIP	-	1944	1944	-	2369	2369	-	3386	3386
Coal	-	1944	1944	-	2369	2369	-	3325	3325
Iron ore	-	-	-	-	-	-	-	61	61
CALCUTTA	947	69	1016	1103	191	1294	1802	221	2023
POL- Crude	-	-	-	-	-	-	-	-	-
POL- Products	895	43	938	895	47	942	1637	37	1674
Foodgrains	3	-	3	-	-	-	-	-	-
Iron & Steel	2	8	10	1	2	3	-	1	1
Coal	-	-	0	-	-	0	-	-	0
Other commodities	47	18	65	207	142	349	165	183	348

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

PORT/ YEAR	1990-91	1991-92	1992-93						
	Unloaded:Loaded	Total	Unloaded:Loaded	Total	Unloaded:Loaded	Total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
HALDIA	103	3462	3565	25	3433	3458	96	3835	3931
POL- Crude	-	-	-	-	-	-	-	-	-
POL- Products	97	594	691	25	631	656	84	871	955
Coal	-	2868	2868	-	2802	2802	-	2960	2960
Other commodities	6	-	6	-	-	-	12	4	16
ALL MAJOR PORTS	26065	22948	49013	26660	25187	51847	24353	24776	49129
POL- Crude	14632	9882	24514	13043	9981	23024	10067	8161	18228
POL- Products	3883	5149	9032	4598	4916	9514	5107	5812	10919
Foodgrains	3	27	30	1	22	23	1	24	25
Coal	6933	6994	13927	8167	8225	16392	8686	8786	17472
Iron & Steel	3	8	11	18	2	20	2	1	3
Iron Ore	-	645	645	121	1687	1808	30	1514	1544
Other commodities	611	243	854	712	354	1066	460	478	938

2.2.19 OVERSEAS TRAFFIC (IMPORTS 1992-93) BY COUNTRY OF ORIGIN
(PORTWISE - COMMODITYWISE)

('000 Tonnes)

Country of Origin/ Commodities	1	2	3	4	5	6	7	8	9	10	11	12	13	14
		Kandla :	Bombay :	J.L. Nehru	Mormu- gao	N.Manga- alore	Cochin :	Tuti- corin	Madras :	Visakh patnam	Paradip :	Calcutta :	Haldia :	Total
ALL COMMODITIES	16235	14599	2105	1720	935	2601	1742	8197	11990	2426	1875	9142	73569	
U.A.E.	1622	340	-	10	-	-	296	-	3577	183	-	-	6028	
Kuwait	3394	4557	-	84	26	-	-	-	304	46	-	-	8411	
S.Arabia	2862	160	23	44	-	-	-	-	392	23	-	-	3504	
Iran	341	9	-	-	-	-	-	-	65	7	-	-	422	
Iraq	-	142	-	-	-	-	-	-	-	-	-	-	142	
Qatar	25	55	-	-	2	-	-	-	-	-	-	-	87	
U.S.S.R.	108	705	58	-	55	-	133	152	113	139	-	-	1463	
U.S.A.	759	256	236	87	143	142	25	923	936	95	162	830	4594	
Bahrain	1106	224	-	100	18	-	-	-	5	-	-	-	1453	
Jordan	126	-	36	67	51	-	185	-	246	-	-	-	711	
Senegal	348	386	-	-	-	-	57	-	-	45	-	-	836	
Korea (S)	36	258	-	-	43	-	-	-	11	3	-	-	351	
Holland	788	84	26	47	32	-	20	-	37	1	-	-	993	
Italy	261	125	24	9	-	-	-	-	32	-	-	-	673	
Singapore	63	240	-	9	6	-	59	834	70	-	-	-	1281	
Malaysia	231	150	-	-	58	-	113	74	525	-	-	-	1151	
France	137	150	-	17	10	-	40	46	68	-	-	-	468	
Canada	702	310	110	52	136	104	107	175	123	-	49	59	1509	
Japan	69	246	-	23	7	9	-	106	15	73	190	-	738	
Brazil	81	203	-	-	-	55	7	14	4	7	-	-	371	
Germany	168	309	132	15	58	-	48	243	61	2	24	-	1060	
U.K.	123	416	-	-	-	9	-	124	10	-	111	-	793	
Australia/N.Zealand	-	399	-	-	100	89	148	217	3466	1108	65	2011	7604	
Other European Count.	1156	80	-	-	-	55	-	268	-	-	319	137	2015	
Other Asian Countries	-	93	-	-	-	1698	-	926	-	-	365	4639	7721	
Other African count.	1909	154	-	-	3	303	-	370	-	-	11	124	2874	
Others	239	4543	1454	1160	197	133	508	3541	1930	695	579	1342	16321	

2.2.19 OVERSEAS TRAFFIC (IMPORTS 1992-93) BY COUNTRY OF ORIGIN
(PORTWISE - COMMODITYWISE)

('000 Tonnes)

Country of Origin/ Commodities	Kandla	Bombay	J.L. Nehru	Mormu- gao	N.Manga- lore	Cochin	Tutic- corin	Madras	Visakh- apatnam	Paradip	Calcutta	Haider- abad	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14
POL CRUDE & PRODUCTS	12757	8939	-	1142	68	1292	-	4393	5665	-	74	6237	40567
U.A.E.	1567	-	-	10	-	-	-	-	-	-	-	-	1567
Kuwait	3355	306	-	84	26	-	-	-	-	-	-	-	3771
S.Arabia	2636	4043	-	37	-	-	-	-	-	-	-	-	6716
Iran	341	278	-	-	-	-	-	-	-	-	-	-	619
Iraq	-	-	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-	-	-
Singapore	47	64	-	8	-	-	-	676	-	-	-	-	795
Malaysia	-	179	-	-	-	-	-	-	-	-	-	-	179
U.S.S.R.	-	-	-	-	-	-	-	76	-	-	-	-	76
Bahrain	1080	211	-	100	25	-	-	-	-	-	-	-	1416
Yemen	138	102	-	-	-	-	-	-	-	-	-	-	240
U.S.A.	21	50	-	-	-	-	-	53	-	-	-	-	877
Panama	-	-	-	-	-	-	-	-	-	-	-	-	-
Oman	-	75	-	-	-	-	-	-	-	-	-	-	75
Other European)	-	-	-	-	-	-	-	-	-	-	-	-	-
countries)	1346	209	-	-	-	-	-	50	-	-	20	-	1625
Other Asian)	-	-	-	-	-	-	-	-	-	-	-	-	-
countries)	-	10	-	-	-	-	-	-	-	-	24	4258	4292
Others	2706	3412	-	903	17	1292	-	3536	5665	-	30	1226	18289

2.2.19 OVERSEAS TRAFFIC (IMPORTS 1992-93) BY COUNTRY OF ORIGIN
(PORTWISE - COMMODITYWISE)

('000 Tonnes)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14
Country of Origin/ Commodities			Kandla	Bombay	J.L.	Mormu-	N.Manga-	Cochin	Tuti-	Madras	Visakha	Paradip	Calcutta	Haldia	Total
					Nehru	gao	lore		corin		patnam				
FERTILISERS & ITS RAW MATERIALS															
Jordan		114		42	37	55	51	-	185	-	248	-	-	-	730
Canada		85		-	80	52	30	75	28	-	42	-	-	167	539
S.Arabia		-		35	23	-	-	-	-	-	155	-	-	-	225
Morocco		14		-	-	-	-	-	147	-	-	50	-	-	221
Kuwait		-		-	-	-	-	-	-	-	48	46	-	-	94
Poland		-		-	-	69	-	-	-	-	-	-	-	-	69
U.S.A.		132		4	236	32	66	68	20	-	531	25	-	34	1148
U.S.S.R.		81		18	58	-	52	-	125	-	73	71	-	-	478
Germany		139		2	131	15	56	49	45	-	61	-	1	-	499
U.A.E.		4		-	-	-	-	-	-	-	20	25	-	-	49
Bahrain		-		18	-	-	-	-	59	-	-	-	-	-	77
Iran		-		79	-	-	-	-	-	-	23	7	-	-	109
Iraq		-		-	-	-	-	-	-	-	-	-	-	-	-
Belgium		-		-	-	-	-	-	-	-	-	-	-	-	-
Japan		-		17	-	-	-	-	-	-	-	-	10	-	27
Australia		-		-	-	-	-	-	-	-	-	-	-	-	-
Others		844	751	137	101	225	101	744	200	653	610	555	329	299	5648

2.2.19 OVERSEAS TRAFFIC (IMPORTS 1992-93) BY COUNTRY OF ORIGIN
(PORTWISE - COMMODITYWISE)

('000 Tonnes)

Country of Origin/ Commodities	Kandla	Bombay	J.L. Nehru	Mormu- gao	N.Manga- lore	Cochin	Tutic- corin	Madras	Visakh- apatnam	Paradip	Calcutta	Haldia	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14
IRON & STEEL	59	1040	-	-	-	2	-	1147	2	-	237	37	2524
Germany	-	131	-	-	-	-	-	29	-	-	9	-	169
France	-	64	-	-	-	-	-	6	-	-	-	-	70
U.S.S.R.	-	-	-	-	-	-	-	5	-	-	-	-	5
U.K.	-	121	-	-	-	-	-	100	-	-	12	-	233
Japan	-	105	-	-	-	-	-	41	-	-	29	-	175
U.S.A.	-	27	-	-	-	-	-	493	-	-	-	-	520
Canada	-	25	-	-	-	-	-	18	-	-	-	-	43
Belgium	-	64	-	-	-	-	-	72	-	-	-	-	136
Czechoslovakia	-	27	-	-	-	-	-	4	-	-	-	-	31
Brazil	-	96	-	-	-	-	-	-	-	-	-	-	96
Korea(S)	-	198	-	-	-	-	-	-	-	-	-	-	198
Malaysia	-	47	-	-	-	-	-	25	-	-	-	-	72
Others	59	135	-	-	-	2	-	354	2	-	187	37	776
IRON SCRAP	840	830	-	-	28	-	1	923	264	-	12	49	2947
U.S.A.	315	20	-	-	1	-	-	-	197	-	-	-	533
U.S.S.R.	-	-	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	1	-	-	-	-	-	1
Netherlands	226	-	-	-	26	-	-	-	22	-	-	-	274
Sri Lanka	-	-	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-	-	-
U.K.	120	-	-	-	1	-	-	-	10	-	12	-	143
Others	179	810	-	-	-	-	-	923	35	-	-	49	1996

2.2.19 OVERSEAS TRAFFIC (IMPORTS 1992-93) BY COUNTRY OF ORIGIN
(PORTWISE - COMMODITYWISE)

('000 Tonnes)

Country of Origin/ Commodities	Kandla	Bombay	J.L. Nehru	Mormu- gao	N.Manga- lore	Cochin	Tut- corin	Madras	Visakha	Paradip	Calcutta	Haldia	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14
VEGETABLE/ EDIBLE OIL	50	81	-	-	-	2	-	18	6	-	29	-	186
Malaysia	12	28	-	-	-	-	-	6	8	-	-	-	52
Germany	-	-	-	-	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	-	-	-	-	-
Singapore	-	4	-	-	-	-	-	6	-	-	-	-	10
Pakistan	-	-	-	-	-	-	-	5	-	-	-	-	5
U.S.A.	28	25	-	-	-	-	-	-	-	-	-	-	53
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Asian countries)	-	16	-	-	-	2	-	-	-	-	-	-	18
Others	10	8	-	-	-	-	-	1	-	-	29	-	48
CHEMICALS	-	90	-	49	-	2	-	415	4	68	-	-	628
U.S.A	-	38	-	49	-	1	-	216	-	45	-	-	349
Japan	-	31	-	-	-	-	-	24	-	-	-	-	31
France	-	-	-	-	-	-	-	175	-	-	-	-	24
Germany	-	21	-	-	-	1	-	-	-	-	-	-	197
S.Arabia	-	-	-	-	-	-	-	-	4	23	-	-	27
Bangladesh	-	-	-	-	-	-	-	-	-	-	-	-	-
Other American countries)	-	-	-	-	-	-	-	-	-	-	-	-	-
Other European countries)	-	-	-	-	-	-	-	-	-	-	-	-	-
Africa	-	-	-	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-	-	-	-

2.2.19 OVERSEAS TRAFFIC (IMPORTS 1992-93) BY COUNTRY OF ORIGIN
(PORTWISE - COMMODITYWISE)

('000 Tonnes)

Country of Origin/ Commodities	Kandla	Bombay	J.L. Nehru	4	5	6	7	8	9	10	11	12	13	14
					Mormu- gao	N.Manga- lore	Cochin	Tuti- corin	Madras	Visakha patnam	Paradip	Calcutta	Haldia	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
COAL	-	-	-	-	107	-	-	17	47	3520	1217	-	2089	6997
U.S.A.	-	-	-	-	6	-	-	-	-	45	-	-	-	51
U.S.S.R.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Zealand	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	118	-	-	118
Australia	-	-	-	-	-	-	-	-	-	3377	991	-	2000	2000
Poland	-	-	-	-	-	-	-	-	-	70	25	-	-	4368
Others	-	-	-	-	101	-	-	17	47	28	83	-	89	95
														365
WOOD	-	86	-	-	-	67	-	146	42	40	-	-	-	381
U.S.A.	-	49	-	-	-	-	-	-	3	16	-	-	-	68
U.S.S.R.	-	1	-	-	-	-	-	-	1	-	-	-	-	2
Germany	-	-	-	-	-	-	-	-	2	-	-	-	-	2
Canada	-	36	-	-	-	12	-	-	22	-	-	-	-	70
Malaysia	-	-	-	-	-	52	-	104	-	24	-	-	-	180
Burma	-	-	-	-	-	-	-	9	-	-	-	-	-	9
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Zealand	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	33	-	-	-	-	-	33
Other European Count.	-	-	-	-	-	-	-	-	12	-	-	-	-	12
Other Asian Countries	-	-	-	-	-	-	-	-	2	-	-	-	-	2
Other African count.	-	-	-	-	-	3	-	-	-	-	-	-	-	3
Others	-	-	-	-	-	-	-	-	-	-	-	-	-	-

2.2.19 OVERSEAS TRAFFIC (IMPORTS 1992-93) BY COUNTRY OF ORIGIN
(PORTWISE - COMMODITYWISE)

('000 Tonnes)

Country of Origin/ Commodities	Kandla	Bombay	J.L. Nehru	Mormu- gao	N.Manga- lore	Cochin	Tutic- corin	Madras	Visakh- apatnam	Paradip	Calcutta	Haadia	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14
MACHINERY	-	47	-	-	-	-	-	52	-	-	-	-	99
U.S.A.	-	12	-	-	-	-	-	7	-	-	-	-	19
Japan	-	10	-	-	-	-	-	14	-	-	-	-	24
France	-	-	-	-	-	-	-	-	-	-	-	-	-
Germany	-	22	-	-	-	-	-	9	-	-	-	-	31
U.S.S.R.	-	3	-	-	-	-	-	-	-	-	-	-	3
Canada	-	-	-	-	-	-	-	-	-	-	-	-	-
U.K.	-	-	-	-	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-	-	-	-
Czechoslovakia	-	-	-	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-	-	-
Switzerland	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Asian)	-	-	-	-	-	-	-	-	-	-	-	-	-
countries)	-	-	-	-	-	-	-	5	-	-	-	-	5
Other European)	-	-	-	-	-	-	-	-	-	-	-	-	-
countries)	-	-	-	-	-	-	-	17	-	-	-	-	17
Others	-	-	-	-	-	-	-	-	-	-	-	-	-

2.2.20 OVERSEAS TRAFFIC (EXPORTS 1992-93) BY COUNTRY OF DESTINATION
(PORTWISE - COMMODITYWISE)

('000 Tonnes)

Country of Destination : Commodities :	1	2	3	4	5	6	7	8	9	10	11	12	13	14
ALL COMMODITIES	2252	3144	902	13531	5530	802	593	7644	5607	1792	1259	107	43163	
U.S.A.	33	144	-	-	-	-	83	36	284	189	18	220	-	1007
U.S.S.R.	-	25	-	41	15	13	25	25	47	95	-	-	-	261
U.K.	61	84	-	8	1	16	22	22	136	50	7	121	-	512
Holland	-	95	-	-	-	-	-	-	-	12	-	-	-	107
France	193	54	-	158	-	-	-	8	12	-	2	-	-	427
Japan	144	67	-	7604	2197	109	19	19	1740	3919	1042	96	-	16937
Germany	21	69	-	-	14	19	14	14	70	5	-	13	-	225
Australia/N.Zealand	-	25	-	-	226	5	4	4	26	102	5	36	-	430
Italy	16	16	-	1368	-	-	-	92	64	69	-	-	-	1625
Romania	-	1	-	90	-	-	-	-	-	-	-	-	-	91
Belgium	-	14	-	200	72	-	-	22	52	11	-	47	-	418
Canada	-	25	-	-	-	5	-	-	8	-	-	-	-	38
Iran	11	45	-	20	721	-	-	-	-	-	-	-	-	797
Iraq	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Singapore	397	325	-	24	3	-	-	5	486	244	12	-	-	1496
Indonesia	4	-	-	-	226	-	-	3	43	43	-	-	-	319
Turkey	13	18	-	-	326	-	-	-	-	-	5	-	-	362
Korea (S)	-	182	-	1747	1	-	-	-	12	179	18	-	-	2139
Korea (N)	-	-	-	42	-	-	-	-	-	-	-	-	-	42
Taiwan	1	26	-	-	149	-	-	3	-	-	-	-	-	179
S.Arabia	302	144	-	-	-	-	-	-	-	-	-	-	-	446
Pakistan	-	14	-	177	-	1	-	-	-	-	84	-	-	276
Hungry	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Qatar	-	1	-	-	-	-	-	-	-	-	-	-	-	6
Czechoslovakia	-	6	-	-	-	-	-	-	-	-	-	-	-	8
U.A.E.	184	8	-	-	-	-	-	20	-	-	-	49	-	331
Jordan	377	14	-	-	78	-	-	-	-	-	-	-	-	391

2.2.20 OVERSEAS TRAFFIC (EXPORTS 1992-93) BY COUNTRY OF DESTINATION
(PORTWISE - COMMODITYWISE)

('000 Tonnes)

Country of Destination :	Kandla :	Bombay :	J.L. :	Mormu- :N.Manga- :	Cochin :	Tutic- :Madras :	Visakh-Paradip :	Calcutta :	Malidia :	Total :			
Commodities :	Nehru :	gao :	lore :	corin :	patnam :								
1	2	3	4	5	6	7	8	9	10	11	12	13	14
ALL COMMODITIES (Contd.)													
Kuwait	29	37	-	-	-	-	-	-	-	-	-	-	56
Behrain	-	25	-	-	137	-	-	-	-	-	-	-	162
China	-	2	-	1317	1203	-	-	770	230	585	-	-	4107
Malaysia	18	95	-	31	1	-	62	108	14	-	-	-	329
Bangladesh	33	13	-	-	-	1	-	5	-	-	-	-	52
Philippines	-	6	-	-	-	-	-	-	-	-	-	-	6
Yugoslavia	-	-	-	-	-	-	-	-	-	-	-	-	-
Dubai	-	213	-	-	-	-	-	-	-	-	-	-	213
Spain	2	-	-	42	11	-	2	-	-	-	-	-	57
Other European)	-	12	-	-	-	209	-	179	-	-	151	44	595
Other American)	-	7	-	-	-	14	-	-	-	-	3	10	34
Other African)	-	19	-	-	-	19	-	152	-	-	27	-	217
Other Asian)	-	95	-	-	-	46	-	2620	-	-	149	37	2947
Other countries)	-	1218	902	584	227	53	465	630	439	13	347	16	5507
Others	413	1218	902	584	227	53	465	630	439	13	347	16	5507

2.2.20 OVERSEAS TRAFFIC (EXPORTS 1992-93) BY COUNTRY OF DESTINATION
(PORTWISE - COMMODITYWISE)

('000 Tonnes)

Country of Destination : Commodities :		Kandla	Bombay	J.L. Nehru	4	5	6	7	8	9	10	11	12	13	14	Total	
POL CRUDE & ITS PRODUCTS		895	882	-	-	-	-	213	-	492	368	-	-	-	-	2850	
S. Arabia		42	-	-	-	-	-	-	-	-	-	-	-	-	-	42	
U.S.A.		21	4	-	-	-	-	-	-	59	-	-	-	-	-	84	
U.K.		-	3	-	-	-	-	-	-	-	-	-	-	-	-	3	
Japan		119	10	-	-	-	-	-	-	30	-	-	-	-	-	159	
France		162	1	-	-	-	-	-	-	-	-	-	-	-	-	163	
Italy		21	1	-	-	-	-	-	-	-	-	-	-	-	-	22	
Holland		-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	
Australia/N. Zealand		-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	
Belgium		-	4	-	-	-	-	-	-	-	-	-	-	-	-	4	
Singapore		397	4	-	-	-	-	-	-	-	-	-	-	-	-	401	
Iran		-	2	-	-	-	-	-	-	-	-	-	-	-	-	2	
Iraq		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Kuwait		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
S. Korea		67	-	-	-	-	-	-	-	-	-	-	-	-	-	67	
Other European countries)		-	-	-	-	-	-	-	-	85	-	-	-	-	-	85	
Other African countries)		-	-	-	-	-	-	-	-	24	-	-	-	-	-	24	
Other Asian countries)		-	2	-	-	-	-	-	-	278	-	-	-	-	-	280	
Other American countries)		-	62	-	-	-	-	-	-	-	-	-	-	-	-	62	
Others		66	787	-	-	-	-	213	-	18	368	-	-	-	-	1450	

2.2.20 OVERSEAS TRAFFIC (EXPORTS 1992-93) BY COUNTRY OF DESTINATION
(PORTWISE - COMMODITYWISE)

('000 tonnes)

Country of Destination : Kandla : Bombay : J.L. : Mormu- : N.Manga- : Cochin : Tut- : Madras : Visakh- : Paradip : Calcutta : Haldia : Total ation Commodities : : Nehru : gao : lore : : corin : : : : : : :	1	2	3	4	5	6	7	8	9	10	11	12	13	14
FOODGRAINS	399	98	-	-	-	3	-	-	2	10	-	-	10	522
S. Arabia	242	9	-	-	-	-	-	-	-	-	-	-	-	251
U.S.A.	-	5	-	-	-	-	-	-	-	-	-	-	-	5
U.K.	8	3	-	-	-	-	-	-	-	-	-	-	-	11
U.S.S.R.	-	3	-	-	-	-	-	-	-	-	-	-	-	3
Holland	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Canada	-	1	-	-	-	-	-	-	-	-	-	-	-	1
Singapore	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bahrain	6	2	-	-	-	-	-	-	-	-	-	-	-	8
Germany	2	2	-	-	-	-	-	-	-	-	-	-	-	4
Kuwait	-	4	-	-	-	-	-	-	-	-	-	-	-	4
Oman	-	3	-	-	-	-	-	-	-	-	-	-	-	3
Dubai	8	20	-	-	-	-	-	-	-	-	-	-	-	28
Other European countries)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other African countries)	55	3	-	-	-	-	-	-	-	-	-	-	-	58
Other Asian countries)	-	40	-	-	-	-	-	-	-	-	-	-	-	40
Others	78	3	-	-	-	3	-	-	2	10	-	-	10	106

2.2.20 OVERSEAS TRAFFIC (EXPORTS 1992-93) BY COUNTRY OF DESTINATION
(PORTWISE - COMMODITYWISE)

('000 Tonnes)

Country of Destination Commodities	Kandla	Bombay	J.L. Nehru	4	5	6	7	8	9	10	11	12	13	14	Total
	2	3	3	4	5	6	7	8	9	10	11	12	13	14	1070
IRON & STEEL	2	136					5		27	505	45	311	37		
U.S.A.		13							5	50		15			63
U.K.		2								10					12
Belgium										9					9
Japan		1							1	46	34	36			120
U.S.S.R.		1													1
Germany		1							1	6		3			13
Canada		1							2						3
Australia/N. Zealand		1										4	37		42
Kuwait		5													5
Other European countries									4			21			25
Other African countries															
Other Asian countries		3							4			29			36
Others	2	110					5		10	382	11	201			721
MACHINERY		23							10						33
U.S.A.		9													9
U.S.S.R.		4													4
Japan		1													1
Germany		1													1
Other African countries		2													2
Other European countries		2							4						6
Middle East															
Other Asian countries		4							6						10
S. America															
Others															

2.2.20 OVERSEAS TRAFFIC (EXPORTS 1992-93) BY COUNTRY OF DESTINATION
(PORTWISE - COMMODITYWISE)

('000 tonnes)

Country of Destination : Commodities :	Kandla	Bombay	J.L. Nehr	Mormu gao	N.Manga- lore	Cochin	Tutic- corin	Madras	Visakh patnam	Paradip	Calcutta	Kandla	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14
CHEMICALS	-	56	-	-	-	6	-	56	-	-	-	-	120
U.S.A.	-	16	-	-	-	-	-	2	-	-	-	-	18
U.S.S.R.	-	-	-	-	-	-	-	neg	-	-	-	-	-
Japan	-	2	-	-	-	1	-	3	-	-	-	-	6
Germany	-	3	-	-	-	-	-	1	-	-	-	-	4
Australia/N.Zealand	-	-	-	-	-	-	-	-	-	-	-	-	-
Africa	-	6	-	-	-	-	-	-	-	-	-	-	6
Other Asian countries	-	15	-	-	-	5	-	19	-	-	-	-	39
Other European countries	-	14	-	-	-	-	-	22	-	-	-	-	36
Others	-	-	-	-	-	-	-	11	-	-	-	-	11
TEA	-	9	-	-	-	32	20	-	-	-	101	35	197
U.S.A.	-	-	-	-	-	2	-	-	-	-	3	-	5
U.S.S.R.	-	-	-	-	-	-	9	-	-	-	-	-	9
U.K.	-	-	-	-	-	1	-	-	-	-	3	-	4
Japan	-	-	-	-	-	1	-	-	-	-	-	-	1
Canada	-	-	-	-	-	1	-	-	-	-	-	-	1
Germany	-	-	-	-	-	1	-	-	-	-	5	-	6
Australia/N.Zealand	-	-	-	-	-	-	-	-	-	-	1	-	1
Africa	-	-	-	-	-	9	-	-	-	-	-	-	9
Other Asian countries	-	9	-	-	-	1	-	-	-	-	6	-	16
Other European countries	-	-	-	-	-	7	-	-	-	-	3	31	41
Others	-	-	-	-	-	9	11	-	-	-	76	4	102

2.2.20 OVERSEAS TRAFFIC (EXPORTS 1992-93) BY COUNTRY OF DESTINATION
(PORTWISE - COMMODITYWISE)

('000 Tonnes)

Country of Destination Commodities														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
BEVERAGE & TOBACCO	-	-	-	-	45	-	-	-	3	-	-	-	-	48
U.S.A.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
U.S.S.R.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	1	-	-	-	-	1
Canada	-	-	-	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Romania	-	-	-	-	-	-	-	-	-	-	-	-	-	-
U.K.	-	-	-	-	18	-	-	-	-	-	-	-	-	18
Spain	-	-	-	-	8	-	-	-	-	-	-	-	-	8
Holland	-	-	-	-	19	-	-	-	-	-	-	-	-	19
Italy	-	-	-	-	-	-	-	-	-	-	-	-	-	-
U.A.E.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aden	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Australia/N.Zealand	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other European countries	-	-	-	-	-	-	-	-	2	-	-	-	-	2
Others	-	-	-	-	-	-	-	-	-	-	-	-	-	-

2.2.20 OVERSEAS TRAFFIC (EXPORTS 1992-93) BY COUNTRY OF DESTINATION
(PORTWISE - COMMODITYWISE)

('000 tonnes)

Country of Destination Commodities :	Kandla :	Bombay :	J.L. : Nehru :	Mormu- : gao :	N.Manga- : lore :	Cochin : corin :	Tut- : Madras :	Visakh- : patnam :	Paradip :	Calcutta :	Haidera :	Total	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
IRON ORE	-	-	-	13195	5061(1252)	-	-	4836	3904	1265	-	-	28283
Japan	-	-	-	7541	2114	-	-	1514	3802	984	-	-	15955
Korea (S)	-	-	-	1736	-	-	-	-	-	-	-	-	1736
West Indies	-	-	-	-	-	-	-	-	-	-	-	-	-
Romania	-	-	-	83	-	-	-	-	-	-	-	-	83
Italy	-	-	-	1368	(212)	-	-	-	-	-	-	-	1368
Pakistan	-	-	-	145	-	-	-	-	-	84	-	-	229
U.A.E.	-	-	-	78	-	-	-	-	-	-	-	-	78
Holland	-	-	-	411	-	-	-	-	-	-	-	-	411
Belgium	-	-	-	-	-	-	-	-	-	-	-	-	-
Korea (N)	-	-	-	24	-	-	-	-	-	-	-	-	24
Bahrain	-	-	-	-	137(226)	-	-	-	-	-	-	-	137
Australia	-	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	102	-	-	-	102
Germany	-	-	-	-	-(326)	-	-	-	-	-	-	-	-
Turkey	-	-	-	-	-	-	-	-	-	-	-	-	-
Hungry	-	-	-	-	-	-	-	-	-	-	-	-	-
Czechoslovakia	-	-	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	1307	708(488)	-	-	-	-	206	-	-	2223
U.S.A.	-	-	-	-	-	-	-	-	-	9	-	-	9
Qatar	-	-	-	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	24	-	-	-	-	-	-	-	-	24
France	-	-	-	157	-	-	-	-	-	-	-	-	157
Jordan	-	-	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	721	-	-	721
Europe	-	-	-	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	321	1381	-	-	3324	-	-	-	-	5026

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	1992-93(P)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1. Export (in million tonnes)								
i) Indian Lines	0.28	0.32	0.25	0.32	0.34	0.36	0.36	0.35
ii) Foreign Lines	1.57	2.27	2.59	2.64	3.18	3.32	3.28	3.21
iii) Total	1.85	2.59	2.84	2.96	3.52	3.68	3.64	3.56
2. Import (in million tonnes)								
i) Indian Lines	0.57	0.54	0.48	0.45	0.44	0.46	0.35	0.46
ii) Foreign Lines	1.75	2.12	2.57	2.75	3.38	3.56	2.73	3.60
iii) Total	2.32	2.66	3.05	3.20	3.82	4.02	3.08	4.06
3. Total(Export + Import) (in million tonnes)								
i) Indian Lines	0.85	0.86	0.73	0.77	0.78	0.82	0.71	0.81
ii) Foreign Lines	3.32	4.39	5.16	5.39	6.56	6.88	6.01	6.81
iii) Total	4.17	5.25	5.89	6.16	7.34	7.7	6.72	7.62
4. General Cargo (Break Bulk & Container) (in million tonnes)	13.03	14.07	14.58	14.5	16.66	16.92	15.58	17.69
5. % of Container cargo to general cargo	32.0	37.3	40.4	42.5	44.1	45.5	43.1	43.1

(P) : Provisional.

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

('000 TONNES)

Item	Kandla	Bombay	J.L.	Mormu-	N.Manga-	Cochin	Tut-	Madras	Visakha	Paradip	Calcutta	Haldia	Total
			Nehru	lore		corin		patnam					
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
1992-93	254	466	891	4	14	278	212	715	73	-	592	60	3558
IMPORT													
1984-85	32	1128	-	-	5	164	6	176	Ne9	-	119	25	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
1992-93	105	2030	821	1	1	30	65	536	12	-	417	35	4061
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	-	654	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	-	864	316	7695
1991-92	333	2552	1314	-	16	294	202	1003	79	3	804	115	6715
1992-93	359	2496	1712	5	15	316	277	1251	85	-	1009	95	7620

2.2.22(a) Containerised cargo as well as Tare weight of Container
at major ports during 1992-93

	(000 'Tonnes)		
	Containerised cargo	Tare weight	Container traffic
Kandla	295	63	358
Bombay	2496	636	3132
J.L.Nehru	...	...	1712
Mormugao	5	2	7
N.Mangalore	...	...	15
Cochin	316	115	431
Tuticorin	204	73	277
Madras	1251	236	1487
Vizag	75	10	85
Calcutta	839	170	1009
Haldia	79	16	95
Total	5560	1321	8608

Note:- Total may not tally because of non-availability of
break-up of J.L. Nehru and New Mangalore port.
There was no container traffic at Paradip Port.

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

	KANDLA				BOMBAY				JAMSHEDPUR						
	1988-89	1989-90	1990-91	1991-92	1992-93	1988-89	1989-90	1990-91	1991-92	1992-93	1988-89	1989-90	1990-91	1991-92	1992-93
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
IMPORT															
20'	16157	24847	21211	13820	14233	135072	154425	160424	141910	161083	-	17237	23252	50287	66215
40'	15327	22501	19171	11768	10883	84410	97969	100084	91566	102543	-	...	...	...	40513
Stuffed	1415	1173	1020	1031	1675	25331	28216	30170	25172	29270	-	...	...	...	12851
20'	8701	10711	6877	4446	4901	117770	129718	137801	90857	107687	-	...	...	...	35866
40'	7023	9353	5305	3668	3957	75202	62654	60525	61389	69225	-	...	...	...	24404
Empty	839	679	336	379	472	21284	23532	24188	14734	19231	-	...	...	...	5731
20'	9456	14136	14234	9374	9332	17302	24707	22523	51053	53396	-	...	...	...	30349
40'	6304	13148	12868	8070	6926	9208	15336	12559	30177	33318	-	...	...	...	16108
EXPORT	578	494	684	652	1203	4047	4686	5982	10438	10039	-	...	...	...	7120
20'	17776	24513	21919	14487	14226	140189	154463	162584	137085	153430	-	16643	31389	59208	74179
40'	15066	22071	19985	12381	11082	90803	98121	101346	68401	101542	-	...	...	...	47537
Stuffed	1355	1221	987	1053	1572	24893	28171	30619	24342	29944	-	...	...	...	13821
20'	16436	23442	20926	13556	13255	107250	124560	134490	124964	138490	-	...	...	...	71546
40'	14700	21806	19366	11824	10883	76696	85854	86084	82389	94076	-	...	...	...	46886
Empty	868	818	780	666	1186	15277	19356	24203	21292	22232	-	...	...	...	12425
20'	1340	1071	993	931	971	32939	29897	28094	12121	14940	-	...	...	...	2833
40'	386	265	619	557	199	14107	12267	15262	6021	7516	-	...	...	...	841
EXPORT	487	403	187	187	386	9416	6815	6416	3030	3712	-	...	...	...	896

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

		KANDLA				BOMBAY				JAWAHARLAL NEHRU					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
TRANSHIPMENT	-	-	-	-	-	2097	1010	1208	561	887	-	-	-	-	2241
20'	-	-	-	-	-	1311	796	988	503	669	-	-	-	-	1543
40'	-	-	-	-	-	393	107	110	29	109	-	-	-	-	349
Stuffed	-	-	-	-	-	2097	1010	1208	561	887	-	-	-	-	2241
20'	-	-	-	-	-	1311	796	988	503	669	-	-	-	-	1543
40'	-	-	-	-	-	393	107	110	29	109	-	-	-	-	349
Empty	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20'	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40'	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	35933	49360	43130	28307	28456	277358	309898	324216	279556	315400	-	33860	54641	109495	142636
20'	30393	44572	39156	24139	21960	176524	196906	202418	180470	204754	-	-	-	-	69593
40'	2770	2394	1987	2084	3247	50417	56496	60899	49543	55323	-	-	-	-	26521
Stuffed	25137	34153	27903	18002	18156	227117	256294	273909	216382	247064	-	-	-	-	109653
20'	21723	31159	25671	15512	14840	153209	169304	176597	142272	163920	-	-	-	-	72643
40'	1707	1497	1116	1245	1656	36954	42995	48501	36055	41572	-	-	-	-	18505
Empty	10796	15207	15227	10305	10303	50241	54604	50617	53174	68336	-	-	-	-	32982
20'	8670	13413	13485	8627	7125	23315	27602	25821	36198	40834	-	-	-	-	16950
40'	1063	897	871	839	1589	13463	13501	12398	13488	13751	-	-	-	-	8016

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

	MORMUGAO					NEW MANGALORE					COCHIN					
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
1988-89 1989-90 1990-91 1991-92 1992-93 1988-89 1989-90 1990-91 1991-92 1992-93 1988-89 1989-90 1990-91 1991-92 1992-93																
IMPORT		892	298	-	-	493	1103	623	550	814	902	21416	22356	22817	24744	27356
20'	-	-	-	-	-	129	-	-	360	646	730	10682	11896	11053	12454	13464
40'	-	-	-	-	-	182	-	-	95	64	86	5367	5250	5882	6095	6946
Stuffed		892	298	-	-	54	-	-	286	232	214	4376	3394	4169	3086	3675
20'	-	-	-	-	-	40	-	-	182	92	64	2380	1952	2005	1516	1839
40'	-	-	-	-	-	7	-	-	57	70	75	993	721	1082	785	918
Empty						439	-	-	254	582	688	17040	10002	18648	21668	23661
20'	-	-	-	-	-	89	-	-	178	554	666	8292	9944	9048	11038	11625
40'	-	-	-	-	-	175	-	-	38	14	11	4374	4529	4800	5310	6028
EXPORT		-	-	-	-	351	1123	613	513	1041	1022	22503	23248	24071	26312	27770
20'	-	-	-	-	-	75	-	-	407	749	760	11667	12508	12721	13744	14090
40'	-	-	-	-	-	138	-	-	53	146	131	5418	5370	5676	6284	6840
Stuffed		-	-	-	-	345	-	-	409	695	815	20472	21946	22676	25405	27089
20'	-	-	-	-	-	69	-	-	387	643	743	10440	11624	11892	13261	13753
40'	-	-	-	-	-	136	-	-	11	26	36	5016	5162	5392	6072	6668
Empty		-	-	-	-	6	-	-	104	346	207	2031	1300	1395	907	681
20'	-	-	-	-	-	6	-	-	20	106	17	1227	864	829	483	337
40'	-	-	-	-	-	-	-	-	42	120	95	402	208	283	212	172

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

		MORMUGAO							NEW MANGALORE							COCHIN						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)							
TRANSHIPMENT																						
20'	-	-	-	-	-	-	-	-	-	-	3070	2231	1894	1088	466							
40'	-	-	-	-	-	-	-	-	-	-	1986	873	890	522	178							
	-	-	-	-	-	-	-	-	-	-	542	679	502	263	144							
Stuffed																						
20'	-	-	-	-	-	-	-	-	-	-	2632	969	1216	598	248							
40'	-	-	-	-	-	-	-	-	-	-	1756	585	602	312	100							
	-	-	-	-	-	-	-	-	-	-	438	192	308	143	74							
Empty																						
20'	-	-	-	-	-	-	-	-	-	-	438	1262	676	490	218							
40'	-	-	-	-	-	-	-	-	-	-	230	288	288	210	78							
	-	-	-	-	-	-	-	-	-	-	104	487	194	140	70							
TOTAL																						
20'	892	298	-	-	844	2226	1236	1063	1855	1924	46969	47875	48782	52144	55592							
40'	...	...	-	-	204	...	...	767	1395	1490	24335	25277	24664	26820	27732							
	...	...	-	-	320	...	...	148	230	217	11327	11299	12059	12662	13930							
Stuffed																						
20'	892	298	-	-	399	...	...	705	927	1029	27480	26311	28063	29089	31012							
40'	...	...	-	-	109	...	...	560	735	007	14500	14101	14499	15009	15098							
	...	...	-	-	145	...	...	68	96	111	6447	6075	6782	7000	7660							
Empty																						
20'	-	-	-	-	445	...	...	358	926	895	19509	21564	20719	23055	24580							
40'	-	-	-	-	95	...	...	198	660	683	9749	11116	10165	11731	12040							
	-	-	-	-	175	...	...	80	134	106	4880	5224	5277	5662	6270							

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

	TUTICORIN					MADRAS					VISAKHAPATNAM				
	1988-89	1989-90	1990-91	1991-92	1992-93	1988-89	1989-90	1990-91	1991-92	1992-93*	1988-89	1989-90	1990-91	1991-92	1992-93
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
IMPORT															
20'	4280	6810	9688	13869	17448	37110	45671	54268	52871	62923	126	1347	4193	4024	4318
40'	2616	4766	5988	7095	9418	21664	28891	30868	32265	37179	96	369	845	2056	2264
Stuffed	832	1022	1850	3147	4015	7623	8390	11700	10303	12872	14	474	1674	984	1027
20'	2108	2803	2705	1174	2994	31705	36519	43697	31080	39936	118	497	2807	819	236
40'	1206	2695	2199	988	2024	18423	21875	23585	19574	26074	90	397	503	219	60
Empty	451	54	253	93	485	6641	7322	10051	5753	6931	14	50	1152	300	86
20'	2172	4007	6963	12215	14454	5405	9152	10571	21791	22987	8	850	1386	3265	4082
40'	1410	2071	3789	6107	7394	3441	7018	7273	12691	11105	8	2	342	1837	2204
EXPORT	361	958	1597	3054	3530	902	1068	1649	4550	5941	-	424	522	664	939
20'	4502	7090	10324	14281	17562	36669	45422	54373	53334	63312	112	1311	4241	3772	4258
40'	2868	4898	6808	7919	9442	21993	28402	32223	32015	38706	100	371	837	1924	2254
Stuffed	767	1096	1758	3181	4060	7238	8510	11075	10664	12403	6	470	1702	924	1002
20'	3570	6356	9473	14158	17383	26421	37974	45927	51203	62557	62	893	2065	3316	4169
40'	2530	4220	6079	7876	9395	18363	26386	30311	30954	38423	56	39	467	1612	2241
Empty	520	1068	1697	3141	3994	4029	5789	7808	10129	12067	2	427	799	752	955
20'	832	734	651	123	179	10048	7448	8446	2131	955	50	418	2156	456	99
40'	438	678	729	43	47	3630	2008	1212	1081	283	42	232	360	112	13
	247	28	61	40	66	3209	2721	3267	535	336	4	43	903	172	43

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

		TUTICORIN				MADRAS				VISAKHAPATNAM							
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
TRANSHIPMENT																	
20'	-	-	-	215	194	-	-	14850	2080	432	250	925	-	-	-	-	-
40'	-	-	-	143	156	-	-	12112	1804	330	210	677	-	-	-	-	-
Stuffed	-	-	-	36	19	-	-	1369	136	51	20	124	-	-	-	-	-
20'	-	-	-	215	194	-	-	13662	1799	352	250	706	-	-	-	-	-
40'	-	-	-	143	156	-	-	11286	1523	298	210	462	-	-	-	-	-
Empty	-	-	-	36	19	-	-	1167	136	27	20	122	-	-	-	-	-
20'	-	-	-	-	-	-	-	1186	281	60	-	219	-	-	-	-	-
40'	-	-	-	-	-	-	-	824	281	32	-	215	-	-	-	-	-
TOTAL	8782	14115	20206	27670	35010	85429	93173	109073	106455	127360	238	2658	8434	7796	8576	8576	8576
20'	5584	9807	12952	15014	18860	55959	59097	63421	64490	76562	198	770	1682	3980	4518	4518	4518
40'	1599	2154	3627	6326	8075	16230	17038	22826	20987	25399	20	944	3376	1908	2029	2029	2029
Stuffed	5678	9374	12372	15332	20377	71788	76292	89976	82533	103199	180	1390	4892	4135	4395	4395	4395
20'	3736	7056	8434	8864	11419	48074	49794	54204	50736	64959	148	435	990	2031	2301	2301	2301
40'	971	1156	1969	3234	4479	11857	13249	17886	15902	19120	16	477	1951	1052	1047	1047	1047
Empty	3104	4741	7634	12336	14633	16641	16881	19097	23922	24161	58	1268	3542	3661	4181	4181	4181
20'	1848	2749	4518	6150	7441	7695	9303	9217	13752	11603	50	334	692	1949	2217	2217	2217
40'	628	996	1656	3094	3596	4373	3789	4940	5095	6279	4	467	1425	856	982	982	982

Note:- * There were 195 containers of size 45' which have been included in 20' containers.

CALCUTTA

-103-

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

		PARADIP				HALDIA				CALCUTTA						
		1988-89	1989-90	1990-91	1991-92	1992-93	1988-89	1989-90	1990-91	1991-92	1992-93	1988-89	1989-90	1990-91	1991-92	1992-93
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	
TRANSHIPMENT																
20'		NIL		-	-	627	-	110	17	-	-	57	39	-	-	
40'				-	-	507	-	104	17	-	-	57	39	-	-	
				-	-	60	-	3	-	-	-	-	-	-	-	
Stuffed																
20'		NIL		-	-	571	-	110	17	-	-	57	39	-	-	
40'				-	-	497	-	104	17	-	-	57	39	-	-	
				-	-	37	-	3	-	-	-	-	-	-	-	
Empty																
20'		NIL		-	-	56	-	-	-	-	-	-	-	-	-	
40'				-	-	10	-	-	-	-	-	-	-	-	-	
				-	-	23	-	-	-	-	-	-	-	-	-	
TOTAL																
20'		NIL		446	-	16528	22509	22398	8999	7324	63779	57316	48985	57813	73501	
40'				274	-	15122	21191	21218	8661	6086	37851	42580	36583	37787	53559	
				86	-	703	659	589	189	618	12964	7368	6201	7008	10021	
Stuffed																
20'		NIL		207	-	11397	18830	18888	7301	5834	50609	45514	41282	46428	60044	
40'				119	-	10759	17752	17872	7027	4814	29813	34126	31634	35526	45162	
				44	-	319	539	506	137	510	10398	5694	4824	5451	7441	
Empty																
20'		NIL		239	-	5131	3679	3508	1698	1490	13170	11802	7703	11385	13557	
40'				155	-	4363	3439	3346	1634	1274	8038	8454	4949	2271	8397	
				42	-	384	120	81	32	108	2566	1674	1377	1557	2580	

2.2.24 Level of Containerisation in the General Cargo
at various Major Ports 1991-92 and 1992-93

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	4	5	6	7	8	9	10
Kandla	1991-92 238	95	333	1219	501	1720	19.5	19.0	19.4
	1992-93 254	105	359	987	468	1455	25.7	22.4	24.7
Bombay	1991-92 999	1553	2552	1873	2795	4668	53.3	55.6	54.7
	1992-93 466	2030	2496	1882	3432	5314	24.8	59.1	47.0
J.L.Nehru	1991-92 711	603	1314	711	603	1314	100.0	100.0	100.0
	1992-93 891	821	1712	891	821	1712	100.0	100.0	100.0
Mormugao	1991-92 -	-	-	132	-	132	-	-	-
	1992-93 4	1	5	158	7	165	2.5	14.3	3.0
New Mangalore	1991-92 14	2	16	426	204	630	3.3	1.0	2.5
	1992-93 14	1	15	458	198	656	3.1	0.5	2.3
Cochin	1991-92 264	30	294	366	233	599	72.1	12.9	49.1
	1992-93 278	38	316	383	309	692	72.6	12.3	45.7
Tuticorin	1991-92 164	38	202	671	332	1003	24.4	11.4	20.1
	1992-93 212	65	277	804	369	1173	26.4	17.6	23.6
Madras	1991-92 605	398	1003	1200	873	2073	50.4	45.6	48.4
	1992-93 715	536	1251	1303	987	2290	54.9	54.3	54.6
Vishakapatnam	1991-92 59	20	79	297	93	390	19.9	21.5	20.3
	1992-93 73	12	85	792	106	898	9.2	11.3	9.5
Paradip	1991-92 3	-	3	36	49	85	8.3	-	3.5
	1992-93 -	-	-	45	40	85	-	-	-
Calcutta	1991-92 495	309	804	1169	1657	2826	42.3	18.6	28.5
	1992-93 592	417	1009	1437	1639	3076	41.2	25.4	32.8
Haldia	1991-92 82	33	115	89	53	142	92.1	62.3	81.0
	1992-93 60	35	95	107	70	177	56.1	50.0	53.7
TOTAL	1991-92 3634	3081	6715	8189	7393	15582	44.4	41.7	43.1
	1992-93 3559	4061	7620	9247	8446	17693	38.5	48.1	43.1

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)				% Share of comm- odities in total				Level of Containerisation % of containerised Cargo to General Cargo			
	Containerised Cargo		Total General Cargo		Containerised Cargo		General Cargo		Col.2 ----- x100		Col.3 ----- x100	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	
ALL PORTS												
Export												
1. Textiles, Cotton, Yarn etc	288	220	378	333	10.8	9.2	6.7	5.0	76.2	66.1		
2. Metal & Metal Products	123	83	266	287	4.6	3.5	4.7	4.3	46.2	28.9		
3. Foodgrains & Other Prod.	24	38	24	38	0.9	1.6	0.4	0.6	100.0	100.0		
4. Tea & Coffee	141	171	299	250	5.3	7.1	5.3	3.7	47.2	68.4		
5. Granite & its other Mat.	110	113	320	359	4.1	4.7	5.6	5.4	34.4	31.5		
6. Fish and other Marine products.	121	108	144	116	4.5	4.5	2.5	1.7	84.0	93.1		
7. Fodder	31	18	31	18	1.2	0.8	0.5	0.3	100.0	100.0		
8. Fruits & Vegetable.	48	50	247	279	1.8	2.0	4.4	4.2	19.4	17.9		
9. Jute and Jute Products.	126	102	237	184	4.7	4.3	4.2	2.7	53.2	55.4		
10. Spices.	27	35	60	67	1.0	1.5	1.1	1.0	45.0	52.2		
11. Hosiery, Harberdashry and Millinery.	26	6	52	44	1.0	0.3	0.9	0.7	50.0	13.6		
12. Machinery/Instruments and Transport equipments	99	66	188	170	3.7	2.6	3.3	2.5	52.7	38.8		
13. Drugs and Medicine	28	18	61	50	1.0	0.8	1.1	0.9	45.9	30.0		
14. Cashew Kernalis.	47	54	52	55	1.8	2.3	0.9	0.8	90.4	98.2		
15. Dyes and Colours	29	16	59	60	1.1	0.7	1.0	0.9	48.2	28.7		
16. Cast Iron Goods.	107	82	107	82	4.0	3.4	1.9	1.2	100.0	100.0		
17. Oilfats etc.	47	42	57	47	1.8	1.8	1.0	0.7	82.5	89.4		
18. Chemicals.	77	84	123	92	2.9	3.5	2.2	1.4	62.6	91.3		
19. Others	1159	1086	2960	4167	43.8	45.2	52.3	62.0	39.5	25.1		
Total Export*	2668	2392	5685	6708	100.0	100.0	100.0	100.0	47.1	35.7		
ALL MAJOR PORTS												
	3634	3559	8170	9247					44.5	50.8		

* Includes only 7 Major Ports viz. Bombay, Madras, Calcutta, Haldia, Cochin, Tuticorin and Vishakhapatnam. For other Ports, commodity-wise break-up of containerised cargo is not available.

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

ALL PORTS	General Cargo (000T)										Level of Containerisation			
	Containerised Cargo	Total General Cargo	% Share of comm- odities in Total Containerised Cargo		% Share of comm- odities in Total General Cargo		% of containerised Cargo to General Cargo		Col. 4	Col. 5				
			Containerised	Cargo	Containerised	Cargo	Col. 2	Col. 3						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)				
IMPORTS														
1. Iron & Steel, Metal and Metal Products	448	681	1159	1965	18.8	21.8	19.2	28.4	38.7	34.7				
2. Chemicals	223	298	246	307	9.4	9.5	4.1	4.4	90.7	97.1				
3. Paper, Newsprints etc.	179	219	241	267	7.5	7.0	4.0	3.9	74.3	82.0				
4. Foodgrains & other Cereals	85	125	93	163	3.6	4.0	1.5	2.4	91.4	76.7				
5. Plastic and its products	69	220	76	281	2.9	7.0	1.3	4.1	90.8	78.3				
6. Machinery/Instruments and Transport equip.	127	111	211	216	5.3	3.5	3.5	3.1	60.2	51.4				
7. Textiles, Yarn, Cotton etc.	61	88	69	97	2.6	2.8	1.1	1.4	86.4	90.7				
8. Rubber and its products	44	69	48	75	1.8	2.2	0.8	1.1	91.7	92.0				
9. Oil/fats	15	12	15	12	0.6	0.4	0.2	0.2	100.0	100.0				
10. Wood	23	24	64	60	1.0	0.8	1.1	0.9	35.9	40.0				
11. Others	1107	1283	3814	3469	46.5	41.0	63.2	50.1	29.0	37.0				
Total Imports*	2381	3130	6036	6912	100.0	100.0	100.0	100.0	39.4	45.3				
ALL MAJOR PORTS	3081	4061	7642	8446					40.3	46.1				

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

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 (000T)											Level of Containerisation	
	Containerised		Total General		% Share of comm- dities in Total		% Share of comm- dities in Total		Cargo to General Cargo		Col.2 ----- x100 -----	Col.3 ----- x100 -----	
	Cargo		Cargo		Containerised		General		Cargo				
1	2	3	4	5	6	7	8	9	10	11			
EXPORT													
1. Textiles, Cotton, Varn etc.	109	32	195	144	10.9	6.9	10.4	7.7	55.9	22.2			
2. Metal & Metal products	84	56	194	226	8.4	12.0	10.4	12.0	43.3	24.8			
3. Tea	5	9	9	9	0.5	1.9	0.5	0.5	55.6	100.0			
4. Foodgrains and other Cereals.	24	38	24	38	2.4	8.2	1.3	2.0	100.0	100.0			
5. Fish, shrimps and other marine products	25	5	41	7	2.3	1.1	2.2	0.4	61.0	71.4			
6. Fodder	31	18	31	18	3.1	3.9	1.7	1.0	100.0	100.0			
7. Fruits & Vegetables.	12	5	180	198	1.2	1.1	9.6	10.6	6.7	2.5			
8. Spices	10	8	31	39	1.0	1.7	1.7	2.1	32.3	20.5			
9. Hosiery, Harberdasherry and Millinary.	26	6	52	44	2.6	1.3	2.8	2.3	50.0	13.6			
10. Machinery, Instruments Transport equipments.	61	20	140	118	6.1	4.3	7.5	6.3	43.6	16.9			
11. Drugs and Medicines.	26	18	61	60	2.8	3.9	3.3	3.2	45.9	30.0			
12. Dyes and Colours.	29	16	59	60	2.9	3.4	3.2	3.2	49.2	26.7			
13. Oil seeds, fats etc.	8	1	8	1	0.8	0.2	0.4	0.1	100.0	100.0			
14. Chemicals	46	36	46	36	4.6	7.7	2.5	1.9	100.0	100.0			
15. Others	501	198	802	884	50.2	42.4	42.5	46.6	62.5	22.4			
Total Export	999	466	1873	1882	100.0	100.0	100.0	100.0	53.3	24.8			

PORT : BOMBAY

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

Commodities	General Cargo (000T)					% Share of comm- dities in Total		% Share of comm- dities in Total		Level of Containerisation % of containerised Cargo to General Cargo	
	Containerised Cargo	Total General Cargo	Cargo	Cargo	Cargo	Containerised Cargo	General Cargo	Containerised Cargo	General Cargo	Col.2 x100	Col.3 x100
	1	2	3	4	5	6	7	8	9	10	11
IMPORT											
1. Iron & Steel	144	184	843	1042	9.3	9.1	30.2	30.4	17.1	17.7	
2. Metal & Metal Products.	198	373	246	397	12.7	18.4	8.8	11.6	80.5	94.0	
3. Chemicals	141	198	141	190	9.1	9.8	5.0	5.8	100.0	100.0	
4. Paper, Newsprints etc.	135	185	135	185	8.7	9.1	4.8	5.4	100.0	100.0	
5. Plastic & its products	8	149	12	210	0.5	7.3	0.4	6.1	65.7	71.0	
6. Machinery/Instrument and Transport equipments.	47	55	105	116	3.0	2.7	3.8	3.4	44.8	47.4	
7. Textiles,cotton,yarn etc.	50	57	57	64	3.2	2.8	2.0	1.9	87.7	89.1	
8. Hair and wool	30	40	32	45	1.9	2.0	1.1	1.3	93.8	88.9	
9. Rubber and its products.	21	36	24	42	1.4	1.8	0.9	1.2	87.5	85.7	
10.Oil, fats etc.	15	12	15	12	1.0	0.6	0.5	0.3	100.0	100.0	
11.Woodpulp.	18	20	18	20	1.2	1.0	0.6	0.6	100.0	100.0	
12.Foodgrains & other cereals.	64	118	64	118	4.1	5.8	2.3	3.4	100.0	100.0	
13.Industrial alcohols & sprits(non-potable)	5	1	37	17	0.3	0.0	1.3	0.5	13.5	5.9	
14.Drugs & Medicine.	4	5	5	6	0.3	0.2	0.2	0.2	80.0	63.3	
15.Fertilizers	11	6	11	6	0.7	0.3	0.4	0.2	100.0	100.0	
16.Fertilizers raw mat.	106	240	106	240	6.6	11.8	3.8	7.0	100.0	100.0	
17.Others	556	351	944	714	35.8	17.3	33.9	20.7	58.9	49.2	
Total Imports	1553	2030	2795	3432	100.0	100.0	100.0	100.0	55.6	59.1	

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 : COCHIN

Commodities	General Cargo (000T)											Level of Containerisation	
	Containerised		Total General		% Share of comm- dities in Total		% Share of comm- dities in Total		% of containerised Cargo to General Cargo				
	Cargo		Cargo		Containerised		General		Col.2		Col.3		
					Cargo		Cargo		-----x100		-----x100		
	1	2	3	4	5	6	7	8	9	10	11		
EXPORT													
1. Textiles,Cotton,Yarn etc.	30		23	30	23	11.4	8.3	8.2	6.0	100.0	100.0		
2. Tea & Coffee	45		60	60	78	17.0	21.6	16.4	20.4	75.0	76.9		
3. Fish, shrimps and other marine products.	60		56	66	62	22.7	20.1	18.0	16.2	90.9	90.3		
4. Spices	17		27	29	28	6.4	9.7	7.9	7.3	58.6	96.4		
5. Cashew kernels	34		30	37	31	12.9	10.6	10.1	8.1	91.9	96.8		
6. Chemicals	12		9	15	13	4.5	3.2	4.1	3.4	80.0	69.2		
7. Coir Products	21		21	22	23	8.0	7.6	6.0	6.0	95.5	91.3		
8. Others.	45		52	107	125	17.0	18.7	29.3	32.6	42.1	41.6		
Total Export	264		278	366	383	100.0	100.0	100.0	100.0	72.1	72.6		

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)

Commodities	General Cargo (000T)				% Share of commodities in total		% Share of commodities in total		Level of Containerisation	
	Containerised Cargo	Total General Cargo	Cargo	Cargo	Containerised Cargo	General Cargo	Cargo	General Cargo	% of containerised Cargo to General Cargo	
									Col.2	Col.3
	1991-92	1992-93	1991-92	1992-93	1991-92	1992-93	1991-92	1992-93	Col.4	Col.5
1	2	3	4	5	6	7	8	9	10	11
IMPORT										
1. Iron & Steel Metal & Metal products	1	3	3	3	3.3	7.7	1.3	1.0	33.3	100.0
2. Chemicals	-	1	13	5	-	2.6	5.6	1.6	-	20.0
3. Paper, Newsprints etc.	1	1	21	11	3.3	2.6	9.0	3.6	4.8	9.1
4. Machinery	1	1	1	5	3.3	2.6	0.4	1.6	100.0	20.0
5. Rubber and its products	7	9	7	9	23.3	23.1	3.0	2.9	100.0	100.0
6. Caneer nuts	-	1	1	11	-	2.6	0.4	3.6	-	9.1
7. Other	20	23	167	265	66.8	58.6	80.3	85.7	10.7	8.7
Total Imports	30	39	233	309	100.0	100.0	99.6	100.0	12.9	12.6

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 : TUTICORIN

Commodities	General Cargo (000T)				% Share of comm- dities in Total			% Share of comm- dities in Total			Level of Containerisation % of containerised Cargo to General Cargo	
	Containerised Cargo		Total General Cargo		Containerised Cargo		General Cargo		General Cargo		Col.2 ----- x100	Col.3 ----- x100
	1991-92	1992-93	1991-92	1992-93	1991-92	1992-93	1991-92	1992-93	1991-92	1992-93	Col.4 ----- x100	Col.5 ----- x100
1	2	3	4	5	6	7	8	9	10	11		
EXPORT												
1. Cotton Yarn, etc.	40	38	40	38	24.4	17.9	6.0	4.7	100.0	100.0		
2. Tea & Coffee	8	10	44	19	4.9	4.7	6.6	2.4	18.2	52.6		
3. Frozen Cargo	7	11	7	11	4.3	5.2	1.0	1.4	100.0	100.0		
4. Garnet Sand	12	14	19	23	7.3	6.6	2.8	2.9	63.2	60.9		
5. Kashev Kernels	13	24	15	24	7.9	11.3	2.2	3.0	66.7	100.0		
6. Others.	84	115	546	689	51.2	54.3	81.4	85.6	15.4	16.7		
Total Export	164	212	671	804	100.0	100.0	100.0	100.0	24.4	26.4		
IMPORT												
1. Iron & Steel Metal & Metal Products.	-	-	57	-	-	-	17.2	-	-	-		
2. Raw Cashew	7	17	91	135	18.4	26.2	27.4	36.6	7.7	12.6		
3. Others	31	48	184	234	81.6	73.8	55.4	63.4	16.8	20.5		
Total Imports	38	65	332	369	100.0	100.0	100.0	100.0	11.4	17.6		

PORT : MAORAS

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

Commodities	General Cargo (000T)				% Share of comm- dities in Total		% Share of comm- dities in Total		Level of Containerisation % of containerised Cargo to General Cargo	
	Containerised Cargo	Total General Cargo	Containerised Cargo	General Cargo	Containerised Cargo	General Cargo	Containerised Cargo	General Cargo	Col.2 x100	Col.3 x100
	1	2	3	4	5	6	7	8	9	10
	1991-92	1992-93	1991-92	1992-93	1991-92	1992-93	1991-92	1992-93	1991-92	1992-93
1. Textiles, Cotton, Yarn etc.	109	127	113	128	18.1	17.9	9.4	9.8	96.5	99.2
2. Metal & Metal products.	39	27	72	61	6.5	4.8	6.0	4.7	54.2	44.3
3. Tea & Coffee	2	10	2	10	0.3	1.4	0.2	0.8	100.0	100.0
4. Granite blocks & its other materials.	110	113	320	359	18.2	15.9	26.7	27.6	34.4	31.5
5. Fish, shrimps and other marine products	14	18	15	18	2.3	2.5	1.3	1.4	93.3	100.0
6. Fruits & Vegetables.	36	45	59	81	6.0	6.3	4.9	6.2	61.0	55.6
7. Machinery, Instruments Transport equipments.	38	46	48	52	6.3	6.5	4.0	4.0	79.2	88.5
8. Oil seeds, fats, etc.	34	41	49	46	6.5	5.8	4.1	3.5	79.6	89.1
9. Chemicals	19	39	24	43	3.2	5.5	2.0	3.3	79.2	90.7
10. Others	197	245	498	505	32.6	34.4	41.4	38.7	39.6	48.5
Total Exports	603	711	1200	1303	100.0	100.0	100.0	100.0	50.2	54.6

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)

PORT : MADRAS

Commodities	General Cargo (DOOT)											Level of Containerisation	
	Containerised Cargo	Total General Cargo		% Share of comm- dities in Total								% of containerised Cargo to General Cargo	
		Containerised Cargo	General Cargo	General								Col.2 ----- x100	Col.3 ----- x100
				1991-92	1992-93	1991-92	1992-93	1991-92	1992-93	1991-92	1992-93		
1	2	3	4	5	6	7	8	9	10	11			
IMPORT													
1. Iron & Steel Metal & Metal Products.	71	60	261	249	17.9	11.3	26.9	25.2	27.2	24.1			
2. Chemicals.	34	54	34	59	8.6	10.1	3.9	6.0	100.0	91.5			
3. Paper, Paper products etc.	43	33	85	71	10.9	6.2	9.7	7.2	50.6	46.5			
4. Wheat Flour other cereals & products.	21	7	29	45	5.3	1.3	3.3	4.6	72.4	15.6			
5. Plastic & its' products.	61	71	64	71	15.4	13.3	7.3	7.2	95.3	100.0			
6. Machinery/Instrument and Transport equipments.	57	55	105	95	14.4	10.3	12.0	9.6	54.3	57.9			
7. Textiles, cotton, Hair and wool etc.	11	31	12	33	2.8	5.8	1.4	3.3	91.7	93.9			
8. Rubber and its products.	16	24	17	24	4.0	4.5	1.9	2.4	94.1	100.0			
9. Wood Pulp.	5	4	48	40	1.3	0.8	5.3	4.1	10.9	10.0			
10. Drugs & Medicine.	14	12	14	12	3.5	2.3	1.6	1.2	100.0	100.0			
11. Plantation commodities	6	10	15	11	1.5	1.9	1.7	1.1	40.0	90.9			
12. Others	57	172	191	277	14.4	32.2	22.0	26.1	29.6	62.1			
Total Imports	396	533	673	987	100.0	100.0	100.0	100.0	45.4	54.0			

Note : Transshipment cargo excluded.

PORT : VISHAKAPATNAM

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

Commodities	General Cargo (000T)					% Share of commodities in Total Containerised Cargo					Level of Containerisation		
	Containerised Cargo	Total General Cargo	Cargoes	Cargoes	Cargoes	% Share of commodities in Total Containerised Cargo	% Share of commodities in Total General Cargo	% of containerised cargo to General Cargo	Col.2	Col.3	Col.4	Col.5	Col.6
1	2	3	4	5	6	7	8	9	10	11			
EXPORT													
1. Shrimps/Reefer Cargo	15	18	15	18	25.4	24.7	5.1	2.3	100.0	100.0			
2. Alumina Ingots	33	41	34	49	55.9	56.2	11.4	6.2	97.1	83.7			
3. Other	11	14	248	725	18.7	19.1	83.5	91.5	4.4	1.9			
Total Exports	59	73	297	792	100.0	100.0	100.0	100.0	19.9	9.2			
IMPORT													
Total Imports	20	12	93	106	100.0	100.0	100.0	100.0	21.5	11.3			

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

PORT : CALCUTTA

Commodities	General Cargo (000T)										
	Containerised Cargo		Total General Cargo		% Share of comm- dities in Total Containerised Cargo		% Share of comm- dities in Total General Cargo		Level of Containerisation % of containerised Cargo to General Cargo		
									Col.2 Col.3 Col.4		
									----- x100 ----- x100 Col.5		
1	2	3	4	5	6	7	8	9	10	11	
EXPORT											
1. Tea & Coffee	49	49	152	101	9.9	6.3	13.0	7.0	32.2	46.5	
2. Jute & Jute Products	123	98	234	160	24.6	16.6	20.0	12.5	52.6	54.4	
3. Cast Iron goods	102	81	102	81	20.6	13.7	6.7	5.6	100.0	100.0	
4. Mica	23	14	23	14	4.6	2.4	2.0	1.0	100.0	100.0	
5. Iron & Steel Machinery	48	67	186	312	9.7	11.3	16.1	21.7	25.5	21.5	
6. Others	150	283	470	749	30.4	47.7	40.2	52.2	31.9	37.6	
Total Export	495	592	1189	1437	100.0	100.0	100.0	100.0	42.3	41.2	
IMPORT											
1. Iron & Steel Machinery	30	43	383	237	0.7	10.3	21.3	11.6	8.6	18.1	
2. Chemicals	47	43	47	43	15.2	10.3	2.8	2.6	100.0	100.0	
3. Others	232	331	1257	1359	75.1	79.4	75.9	82.9	18.5	24.4	
Total Import	309	417	1657	1639	100.0	100.0	100.0	100.0	18.6	25.4	

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)

Commodities	General Cargo (000T)										Level of Containerisation			
	Containerised Cargo		Total General Cargo		% Share of commodities in Total Containerised Cargo		% Share of commodities in Total General Cargo		% of containerised Cargo to General Cargo					
	Col.1	Col.2	Col.3	Col.4	Col.5	Col.6	Col.7	Col.8	Col.9	Col.10				
1991-92 1992-93 1991-92 1992-93 1991-92 1992-93 1991-92 1992-93 1991-92 1992-93														
1	2	3	4	5	6	7	8	9	10	11				
EXPORT														
1. Tea & Coffee	32	33	32	33	39.0	55.0	36.0	30.6	100.0	100.0				
2. Jute & Jute Products	3	4	3	4	3.7	6.7	3.4	3.7	100.0	100.0				
3. Cast Iron goods	5	1	5	1	6.1	1.7	5.6	0.9	100.0	100.0				
4. Mica	6	4	5	4	7.3	6.7	6.7	3.7	100.0	100.0				
5. Others	36	18	43	65	43.9	29.9	48.3	60.9	83.7	27.7				
Total Export	82	60	89	107	100.0	100.0	100.0	100.0	92.1	56.1				
IMPORT														
1. Iron & Steel, Metal & its Products	4	18	6	37	12.1	51.4	11.3	52.9	66.7	48.6				
2. Chemicals	1	2	1	2	3.0	5.7	1.9	2.9	100.0	100.0				
3. Machinery	4	-	4	-	12.1	-	7.5	-	100.0	-				
4. Others	24	15	42	31	72.8	42.9	79.3	44.2	57.1	48.4				
Total Import	33	35	53	70	100.0	100.0	100.0	100.0	62.3	50.0				

2.2.28 CARGO/SHIP TRAFFIC DURING 1991-92 & 1992-93
(MONTH-WISE)

Name of Port	April		May		June		July		Aug.		Sept.	
	1991	1992	1991	1992	1991	1992	1991	1992	1991	1992	1991	1992
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1. CALCUTTA												
i) Vessels arrived (No.)	57	63	64	57	44	57	64	61	47	63	52	62
ii) Vessels sailed (No.)	60	62	64	56	53	59	59	55	42	67	57	51
iii) Traffic handled ('000 tonnes)	334	364	306	320	324	316	358	361	313	406	284	376
2. HALDIA												
i) Vessels arrived (No.)	50	56	52	55	46	58	51	57	52	60	57	61
ii) Vessels sailed (No.)	55	57	50	58	44	58	51	56	54	60	54	57
iii) Traffic handled ('000 tonnes)	1017	1095	980	1112	921	1092	950	1072	866	1032	1137	1129
3. PARADIP												
i) Vessels arrived (No.)	23	21	26	30	16	28	29	32	22	37	28	29
ii) Vessels sailed (No.)	24	23	22	23	18	31	31	27	22	40	28	28
iii) Traffic handled ('000 tonnes)	599	548	611	598	442	641	714	701	572	739	667	567
4. VISAKHAPATNAM												
i) Vessels arrived (No.)	90	...	76	90	77	82	57	77	71	64	69	86
ii) Vessels sailed (No.)	89	...	79	89	68	76	74	84	68	82	71	78
iii) Traffic handled ('000 tonnes)	1903	1933	1589	1733	1718	1794	1876	2135	1510	1901	1926	1790

2.2.28 CARGO/SHIP TRAFFIC DURING 1991-92 & 1992-93
(MONTH-WISE)

(Contd.)

Name of Port	April 1991	1992	May 1991	1992	June 1991	1992	July 1991	1992	Aug. 1991	1992	Sept. 1991	1992
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
5. MADRAS												
1) Vessels arrived (No.)	136	107	112	139	129	114	109	126	115	121	123	118
1) Vessels sailed (No.)	131	120	122	135	113	131	128	130	114	106	113	115
1) Traffic handled ('000 tonnes)	1252	1725	2124	2307	1854	2081	2098	2400	1966	2140	1951	2173
6. TUTICORIN												
1) Vessels arrived (No.)	53	66	62	76	55	55	56	67	60	64	55	74
1) Vessels sailed (No.)	53	70	60	70	54	58	57	71	57	60	61	74
1) Traffic handled ('000 tonnes)	414	518	487	639	720	762	700	540	468	573	486	527
7. COCHIN												
1) Vessels arrived (No.)	70	72	64	65	59	71	67	64	56	61	56	47
1) Vessels sailed (No.)	71	64	63	69	58	66	69	68	55	62	60	44
1) Traffic handled ('000 tonnes)	480	600	509	679	563	679	740	707	462	667	632	698
8. NEW MANGALORE												
1) Vessels arrived (No.)	38	44	46	43	40	32	35	39	50	25	36	38
1) Vessels sailed (No.)	40	39	40	46	43	35	33	32	47	25	39	32
1) Traffic handled ('000 tonnes)	594	538	717	623	639	630	643	632	764	162	676	441

2.2.28 CARGO/SHIP TRAFFIC DURING 1991-92 & 1992-93
(MONTH-WISE)

(Contd.)

Name of Port	April		May		June		July		Aug.		Sept.	
	1991	1992	1991	1992	1991	1992	1991	1992	1991	1992	1991	1992
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
9. MORMUGAO												
i) Vessels arrived (No.)	51	66	49	52	29	48	23	34	21	30	29	..
ii) Vessels sailed (No.)	50	53	53	69	30	41	25	39	21	30	30	..
iii) Traffic handled ('000 tonnes)	2132	2261	1578	1904	376	402	337	579	157	260	323	434
10. BOMBAY												
i) Vessels arrived (No.)	103	196	160	196	129	184	146	171	148	193	159	196
ii) Vessels sailed (No.)	108	178	156	191	143	173	146	160	164	195	151	159
iii) Traffic handled ('000 tonnes)	2286	2690	2129	2671	1985	2298	2055	2366	2157	2413	2206	2433
11. KANDLA												
i) Vessels arrived (No.)	77	95	74	90	76	86	71	91	89	92	82	75
ii) Vessels sailed (No.)	87	97	80	87	74	85	69	80	91	95	80	69
iii) Traffic handled ('000 tonnes)	1481	1876	1713	1896	1802	2024	1537	1794	1757	1921	1649	1412
12. JAWAHARLAL NEHRU												
i) Vessels arrived (No.)	..	22	..	34	..	37	..	39	29	..	28	32
ii) Vessels sailed (No.)	..	30	..	31	..	26	..	40	27	..	31	32
iii) Traffic handled ('000 tonnes)	201	160	226	248	216	203	193	211	222	211	249	241
13. ALL PORTS												
i) Vessels arrived (No.)	748	810	783	927	696	852	718	858	760	830	776	818
ii) Vessels sailed (No.)	768	793	789	924	700	841	742	842	762	822	775	739
iii) Traffic handled ('000 tonnes)	13693	14400	12969	14730	11360	12722	12001	13498	11214	12385	12186	12221

Note : Based on monthly data from IPA.

2.2.28 CARGO/SHIP TRAFFIC DURING 1991-92 & 1992-93
(MONTH-WISE)

(Contd.)

Name of Port	Oct.		Nov.		Dec.		Jan.		Feb.		March	
	1991	1992	1991	1992	1991	1992	1991	1992	1991	1992	1991	1992
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1. CALCUTTA												
(i) Vessels arrived (No.)	48	69	61	67	75	75	57	64	65	60	68	82
(ii) Vessels sailed (No.)	54	67	55	71	75	65	57	71	70	69	67	71
(iii) Traffic handled ('000 tonnes)	265	395	323	496	401	468	327	542	385	463	420	579
2. HALDIA												
(i) Vessels arrived (No.)	50	61	52	57	57	53	54	60	50	59	59	63
(ii) Vessels sailed (No.)	53	60	52	61	57	53	53	63	49	59	59	63
(iii) Traffic handled ('000 tonnes)	916	1201	930	991	1132	1098	936	1106	905	979	1121	1242
3. PARADIP												
(i) Vessels arrived (No.)	25	26	23	21	33	30	32	31	..	35	25	33
(ii) Vessels sailed (No.)	30	29	24	21	28	26	33	33	..	37	27	34
(iii) Traffic handled ('000 tonnes)	725	660	702	519	676	518	607	635	506	711	478	723
4. VISAKHAPATNAM												
(i) Vessels arrived (No.)	81	79	73	92	87	78	77	82	70	77	81	93
(ii) Vessels sailed (No.)	80	79	75	84	83	96	78	84	71	79	82	88
(iii) Traffic handled ('000 tonnes)	1883	1506	1519	2043	2079	1913	1865	1947	1694	1884	1861	2187

2.2.28 CARGO/SHIP TRAFFIC DURING 1991-92 & 1992-93
(MONTH-WISE)

(Contd.)

Name of Port	Oct.		Nov.		Dec.		Jan.		Feb.		March	
	1991	1992	1991	1992	1991	1992	1992	1993	1992	1993	1992	1993
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
5. MADRAS												
i) Vessels arrived (No.)	100	112	151	124	134	124	124	125	142	107	152	126
ii) Vessels sailed (No.)	99	112	113	128	137	123	129	128	131	110	149	123
iii) Traffic handled ('000 tonnes)	1443	1878	1752	2177	2170	1877	2351	2368	2346	1728	2523	2477
6. TUTICORIN												
i) Vessels arrived (No.)	63	75	60	50	74	56	72	69	56	54	75	69
ii) Vessels sailed (No.)	60	72	60	55	67	56	72	74	64	54	66	67
iii) Traffic handled ('000 tonnes)	517	555	464	297	458	459	530	562	467	463	556	559
7. COCHIN												
i) Vessels arrived (No.)	66	69	69	61	69	62	81	61	63	52	63	63
ii) Vessels sailed (No.)	62	70	73	65	69	59	77	62	64	50	68	63
iii) Traffic handled ('000 tonnes)	673	671	674	610	727	613	744	608	635	630	671	710
8. NEW MANGALORE												
i) Vessels arrived (No.)	45	29	41	43	50	46	39	48	43	33	37	45
ii) Vessels sailed (No.)	42	28	42	46	45	43	37	51	45	32	40	46
iii) Traffic handled ('000 tonnes)	667	402	700	750	695	718	651	880	802	580	728	735

2.2.28 CARGO/SHIP TRAFFIC DURING 1991-92 & 1992-93
(MONTH-WISE)

(Contd.)

Name of Port	Oct. 1991	1992	Nov. 1991	1992	Dec. 1991	1992	Jan. 1992	1993	Feb. 1992	1993	March 1992	1993
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
9. MORMUGAO												
i) Vessels arrived (No.)	42	59	40	64	45	58	48	68	50	56	43	68
ii) Vessels sailed (No.)	39	61	40	69	40	59	45	67	50	61	48	55
iii) Traffic handled ('000 tonnes)	1579	1491	1800	1560	1387	1876	1859	2060	1639	1700	1966	1680
10. BOMBAY												
i) Vessels arrived (No.)	164	145	170	195	170	191	192	168	131	189	193	188
ii) Vessels sailed (No.)	161	132	167	193	172	186	182	147	126	183	179	177
iii) Traffic handled ('000 tonnes)	2097	2313	2597	2536	2359	2393	2595	2469	2706	2133	2345	2346
11. KANDLA												
i) Vessels arrived (No.)	80	84	92	69	89	99	71	93	90	77	93	96
ii) Vessels sailed (No.)	77	82	82	91	93	99	93	107	91	80	94	97
iii) Traffic handled ('000 tonnes)	1687	2022	1720	1775	1879	2150	1736	2274	1711	1786	2130	1976
12. JAWAHARLAL NEHRU												
i) Vessels arrived (No.)	33	41	..	32	34	38	30	29	..	33	35	36
ii) Vessels sailed (No.)	29	41	..	30	31	36	32	26	..	25	26	33
iii) Traffic handled ('000 tonnes)	257	276	265	307	294	266	215	236	189	288	248	361
13. ALL PORTS												
i) Vessels arrived (No.)	798	849	797	895	917	910	877	896	760	842	924	962
ii) Vessels sailed (No.)	786	833	783	914	899	901	888	913	761	849	905	912
iii) Traffic handled ('000 tonnes)	12909	13370	13546	14061	14257	14349	14416	15687	13987	13425	15047	15575

Note : Based on monthly data from IPA.

2.3.3.1 PASSENGER TRAFFIC AT MAJOR PORTS IN INDIA

[illegible]

2.3.1 PASSENGER TRAFFIC AT MAJOR PORTS IN INDIA

(In '000)

Port/Year	OVERSEAS			COASTAL			TOTAL		
	Emarked	Disembarked	Total	Emarked	Disembarked	Total	Emarked	Disembarked	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
NEW MANGALORE									
1975-76	-	-	-	0.3	0.3	0.6	0.3	0.3	0.6
1988-89	No	-	Traffic	-	-	-	-	-	-
1989-90	No	-	Traffic	-	-	-	-	-	-
1990-91	No	-	Traffic	-	-	-	-	-	-
1991-92	No	-	Traffic	-	-	-	-	-	-
1992-93	No	-	Traffic	-	-	-	-	-	-
COCHIN									
1960-61	1.9	0.6	2.5	0.6	0.8	1.4	2.5	1.4	3.9
1965-66	0.1	0.1	0.2	0.6	1.2	1.8	0.7	1.3	2.0
1970-71	0.0	0.0	0.0	1.3	3.1	4.4	1.3	3.1	4.4
1975-76	0.0	0.0	0.0	5.7	5.2	10.9	5.7	5.2	10.9
1980-81	0.0	0.1	0.1	5.9	7.6	13.5	5.9	7.7	13.6
1985-86	0.3	0.4	0.7	16.4	19.8	36.2	16.7	37.1	53.8
1986-87	0.6	0.7	1.3	17.2	18.6	35.8	17.8	37.6	55.4
1987-88	0.4	0.9	1.3	21.2	21.0	42.2	21.6	42.8	64.4
1988-89	0.0	0.0	0.0	21.4	20.5	41.9	21.4	20.5	41.9
1989-90	0.7	0.0	0.7	20.3	21.1	41.4	20.6	21.5	42.1
1990-91	1.3	1.4	2.7	25.1	26.9	52.0	26.8	28.5	55.3
1991-92	1.7	1.7	3.4	28.1	27.4	55.5	32.5	31.7	64.2
1992-93	4.4	4.3	8.7	28.1	27.4	55.5	32.5	31.7	64.2
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	26.0	52.2
1986-87	2.3	3.7	6.0	27.0	24.3	51.3	29.3	28.0	57.3
1987-88	0.4	0.6	1.0	34.8	35.6	70.4	35.8	36.2	72.0
1988-89	0.6	0.5	1.1	37.2	34.2	71.4	37.0	34.2	71.2
1989-90	neg.	0.9	0.9	30.0	25.8	55.8	30.0	26.7	56.7
1990-91	neg.	0.1	0.1	31.3	27.6	58.9	31.3	27.7	59.0
1991-92	7.0	1.4	8.4	27.3	25.9	53.2	34.0	27.3	61.3
1992-93	6.4	0.9	7.3	34.3	32.6	66.9	40.7	33.5	74.2

2.3.1 PASSENGER TRAFFIC AT MAJOR PORTS IN INDIA

(In '000)

		OVERSEAS		COASTAL		TOTAL	
		:		:		:	
Port/Year	:Embarked :Disembarked	: Total	:Embarked:Disembarked	: Total	:Embarked:Disembarked	: Total	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8) (9) (10)
VISAKHAPATNAM							
1965-66	-	9.6	9.6	-	-	1.1	- 9.6
1975-76	-	-	-	0.3	0.8	1.1	0.3 0.8
1980-81	-	0.7	0.7	1.0	1.2	2.2	1.0 1.9
1985-86	-	-	-	1.8	2.0	3.8	1.8 2.0
1986-87	-	-	-	4.5	4.8	9.3	4.5 4.8
1987-88	-	-	-	3.0	1.4	4.4	3.0 1.4
1988-89	-	-	-	1.3	1.1	2.4	1.3 1.1
1989-90	-	-	-	2.2	4.2	6.4	2.2 4.2
1990-91	-	-	-	7.6	7.9	15.5	7.6 7.9
1991-92	-	-	-	2.7	3.3	6.0	2.7 3.3
1992-93	-	-	-	2.5	1.8	4.3	2.5 1.8
CALCUTTA/HALDIA							
1960-61	(a)	(a)	(a)	15.4	12.1	27.5	15.4 12.1 27.5
1965-66	(a)	(a)	(a)	10.1	0.1	10.2	10.1 0.1 10.2
1970-71	0.6	0.6	1.2	9.1	8.0	17.1	9.1 8.0 17.1
1975-76	-	-	-	13.2	10.7	23.9	13.2 10.7 23.9
1980-81	-	-	-	14.6	11.0	25.6	14.6 11.0 25.6
1985-86	-	-	-	25.7	22.6	48.3	25.7 22.6 48.3
1986-87	-	-	-	24.4	22.2	46.6	24.4 22.2 46.6
1987-88	-	-	-	27.3	21.1	48.4	27.3 21.1 48.4
1988-89	-	-	-	22.2	19.6	41.8	22.2 19.6 41.8
1989-90	-	-	-	20.3	16.6	36.9	20.3 16.6 36.9
1990-91	-	-	-	12.3	11.6	23.9	12.3 11.6 23.9
1991-92	-	-	-	13.8	11.5	25.3	13.8 11.5 25.3
1992-93	-	-	-	21.6	19.1	40.7	21.6 19.1 40.7

2.3.1 PASSENGER TRAFFIC AT MAJOR PORTS IN INDIA

(In '000)

Port/Year	OVERSEAS			COASTAL			TOTAL		
	Emarked	Disembarked	Total	Emarked	Disembarked	Total	Emarked	Disembarked	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
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	7.1	8.8	15.9	198.8	199.0	397.8	205.9	207.8	413.7
1988-89	6.9	7.5	14.4	93.7	85.2	178.9	100.6	92.7	193.3
1989-90	9.4	10.7	20.1	72.8	66.9	139.7	82.2	77.6	159.8
1990-91	7.1	10.6	17.7	70.5	68.2	138.7	77.6	78.8	156.4
1991-92	15.6	10.4	26.0	68.8	67.6	136.4	84.4	78.0	162.4
1992-93	21.1	14.2	35.3	86.5	80.9	167.4	107.6	95.1	202.7

2.4.1 Number and Size of ships sailed

(GRT in '000)

Ports	Year	Container			Break Bulk			Dry Bulk			Liquid Bulk			Lash			Ro-Ro			Total		
		No.	GRT	No.	GRT	No.	GRT	No.	GRT	No.	GRT	No.	GRT	No.	GRT	No.	GRT	No.	GRT	No.	GRT	No.
Kandla	1987-88	92	911	216	1840	98	1240	529	12796	-	-	-	-	-	-	-	1	19	936	16806	-	-
	1988-89	103	950	139	1666	102	1253	515	12362	-	-	-	-	-	-	-	3	30	862	16261	-	-
	1989-90	97	978	237	1588	108	1268	527	13216	-	-	-	-	-	-	-	9	243	978	17293	-	-
	1990-91	81	746	215	1713	113	1403	529	14570	-	-	-	-	-	-	-	8	226	946	18658	-	-
	1991-92	61	450	239	1941	110	1219	589	15441	-	-	-	-	-	-	-	5	186	1004	19237	-	-
	1992-93	79	617	208	1672	145	1779	611	16749	-	-	-	-	-	-	-	2	50	1045	20867	-	-
Bombay	1987-88	482	4664	744	5798	111	1446	678	14190	22	701	4	56	2041	26855	-	-	-	-	-	-	-
	1988-89	516	4517	722	5108	152	1651	675	15316	-	-	-	-	2065	26592	-	-	-	-	-	-	-
	1989-90	519	4547	679	4896	145	1541	645	13719	22	694	-	-	2010	25397	-	-	-	-	-	-	-
	1990-91	521	4480	676	5420	115	1290	634	14090	27	870	-	-	1973	26150	-	-	-	-	-	-	-
	1991-92	528	5430	654	5110	73	730	648	15320	25	810	-	-	1928	27400	-	-	-	-	-	-	-
	1992-93	652	6540	612	4850	151	1450	634	14890	20	650	-	-	2069	28380	-	-	-	-	-	-	-
J.L. Nehru	1989-90	84	...	-	-	12	...	-	-	-	-	-	-	-	-	-	3	...	99	...	-	-
	1990-91	99	...	-	-	54	...	-	-	-	-	-	-	-	-	-	17	...	170	...	-	-
	1991-92	237	...	-	-	54	...	-	-	-	-	-	-	-	-	-	53	...	344	...	-	-
	1992-93	319	3503	10	79	39	966	2	18	-	-	-	-	426	6104	-	56	1538	426	...	-	-
Mormugao	1987-88	-	-	30	207	197	7125	199	3080	-	-	-	-	-	-	-	-	-	-	-	-	-
	1988-89	6	-	31	219	236	8192	212	3184	1	37	-	-	486	11632	-	-	-	-	-	-	-
	1989-90	3	40	29	284	182	7183	181	2856	6	226	-	-	401	10589	-	-	-	-	-	-	-
	1990-91	-	-	21	262	177	7642	237	3745	2	76	-	-	437	11725	-	-	-	-	-	-	-
	1991-92	-	-	16	124	178	7101	267	4281	-	-	-	-	461	11506	-	-	-	-	-	-	-
	1992-93	11	78	21	179	292	8397	307	4937	-	-	-	-	631	13591	-	-	-	-	-	-	-
N. Mangalore	1987-88	24	110	175	1458	121	2662	106	1194	-	-	-	-	-	-	-	-	-	-	-	-	-
	1988-89	18	53	136	1152	147	3333	131	1734	-	-	-	-	432	6272	-	-	-	-	-	-	-
	1989-90	12	35	116	322	161	3688	111	1478	-	-	-	-	400	5523	-	-	-	-	-	-	-
	1990-91	11	32	135	1076	176	4051	135	1751	-	-	-	-	457	6910	-	-	-	-	-	-	-
	1991-92	18	66	136	1161	189	4301	149	1973	-	-	-	-	492	7501	-	-	-	-	-	-	-
	1992-93	18	53	144	1215	150	3700	142	1997	-	-	-	-	454	6965	-	-	-	-	-	-	-

2.4.1 Number and Size of ships sailed

(GRT in '000)

Ports	Year	Container		Break Bulk		Dry Bulk		Liquid Bulk		Lash		Ro-Ro		Total	
		No.	GRT	No.	GRT	No.	GRT	No.	GRT	No.	GRT	No.	GRT	No.	GRT
Cochin	1987-88	172	1529	183	1317	32	504	243	5901	2	57	-	-	632	9308
	1988-89	195	1345	160	1280	28	570	277	6809	3	86	-	-	663	10090
	1989-90	258	1496	160	1500	26	498	233	5911	4	115	-	-	681	9520
	1990-91	287	1339	154	1455	31	493	249	6231	7	206	-	-	728	9724
	1991-92	250	1325	100	984	33	474	277	6883	10	295	-	-	670	9961
	1992-93	227	1050	90	753	33	541	289	7422	3	86	-	-	642	9852
Tuticorin	1987-88	85	545	144	608	144	3095	91	1239	-	-	-	-	464	5487
	1988-89	81	535	145	576	173	3584	118	1644	2	57	-	-	519	6396
	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
	1992-93	145	561	300	1080	174	3687	129	1808	-	-	-	-	748	7136
Madras	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	203	8971	437	19955	14	419	-	-	1486	35198
	1990-91	419	3726	285	1766	313	7967	484	10789	12	348	-	-	1513	24596
	1991-92	372	2779	222	1428	321	8299	481	10944	20	598	-	-	1416	24048
	1992-93	322	2278	226	1724	364	9151	480	11344	16	685	-	-	1408	25182
Visakhapatnam	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	18790
	1989-90	17	103	107	794	357	9715	298	6975	9	257	-	-	788	17844
	1990-91	35	218	106	827	356	9390	312	6782	4	115	-	-	813	17332
	1991-92	44	204	67	571	398	10196	353	7575	8	235	-	-	870	18781
	1992-93	49	302	108	956	426	10063	353	8420	15	434	-	-	951	20175

2.4.1 Number and Size of ships sailed

(GRT in '000)

Ports	Year	Container				Break Bulk				Dry Bulk				Liquid Bulk				Lash				Ro-Ro				Total	
		No.	GRT	No.	GRT	No.	GRT	No.	GRT	No.	GRT	No.	GRT	No.	GRT	No.	GRT	No.	GRT	No.	GRT	No.	GRT	No.	GRT		
Paradip	1987-88	-	-	19	115	180	3786	38	619	9	257	-	-	246	4777												
	1988-89	-	-	42	341	186	3860	45	714	7	200	-	-	280	5115												
	1989-90	-	-	20	185	202	4293	22	316	14	400	-	-	258	5194												
	1990-91	-	-	17	146	221	4965	26	438	12	349	-	-	276	5898												
	1991-92	6	42	15	120	234	5146	64	990	10	295	-	-	329	6593												
	1992-93	-	-	14	106	263	5890	71	1222	15	428	-	-	363	7646												
Calcutta	1987-88	162	627	545	3831	69	571	157	1540	-	-	-	-	933	6569												
	1988-89	164	905	462	3004	68	585	143	1468	-	-	-	-	837	5962												
	1989-90	149	863	441	2938	57	508	129	1174	14	400	-	-	790	5883												
	1990-91	139	607	453	2859	31	343	154	1422	13	391	-	-	790	5622												
	1991-92	109	604	399	2811	31	237	148	1291	14	447	-	-	701	5390												
	1992-93	135	724	363	2506	39	378	216	2214	15	428	-	-	768	6250												
Haldia	1987-88	77	490	24	236	141	3365	307	7146	12	343	-	-	561	11580												
	1988-89	67	460	23	203	172	4040	330	7745	11	314	-	-	603	12762												
	1989-90	73	585	14	119	182	4443	316	7376	-	-	-	-	585	12523												
	1990-91	58	625	2	11	175	4277	346	8408	-	-	-	-	581	13321												
	1991-92	47	488	9	72	206	4808	369	8700	-	-	-	-	631	14068												
	1992-93	49	402	19	194	229	5462	412	9468	-	-	-	-	709	15526												
All Ports	1987-88	1558	12742	2259	16802	1384	33265	2961	63402	64	1935	5	75	8231	128221												
	1988-89	1596	12205	2065	15043	1689	39709	3094	68056	32	1180	3	30	8479	136223												
	1989-90	1814	12995	2188	15302	1732	41954	2890	72922	88	2653	12	243	8724	146069												
	1990-91	1832	12421	2157	15309	1746	40937	3082	67859	77	2355	25	226	8919	139107												
	1991-92	1776	11912	1945	14152	1801	41656	3337	73270	109	2950	58	186	9026	144126												
	1992-93	2006	16108	2115	15314	2305	51464	3646	80489	84	2711	58	1588	10214	167674												

Note:- Due to non-availability of GRT in respect of J.L. Nehru Port, all ports excludes the GRT but includes the No. of ships in respect of J.L.Nehru Port.

2.5.1 PORT-WISE COMMODITY-WISE CAPACITY

(In Million Tonnes)

COMMODITIES	Calcutta:	Malidia	Paradip:	Visakh-	Madras	Tuti-	Cochin	New Man-	Mor-	Bombay	Kandla	J.L.	Total
				patnam		corin		galore	mugao			Nehru	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
POL													
As on 31.3.93	2.40	8.50	-	11.50	8.50	1.10	8.50	1.00	1.50	16.00	17.00	-	78.00
As on 31.3.94	2.40	8.50	-	11.50	8.50	1.10	8.50	1.00	1.50	16.00	17.00	-	78.00
Iron Ore													
As on 31.3.93	-	-	4.00	8.00	8.00	-	-	7.50	14.00	-	-	-	41.50
As on 31.3.94	-	-	4.00	8.00	8.00	-	-	7.50	14.00	-	-	-	41.50
Coal													
As on 31.3.93	-	5.00	-	-	-	2.00	-	-	-	-	-	-	7.00
As on 31.3.94	-	5.00	-	-	-	2.00	-	-	-	-	-	-	7.00
Fertiliser													
As on 31.3.93	-	1.80	2.00	0.35	-	-	0.40	-	-	-	0.50	2.90	7.95
As on 31.3.94	-	1.80	2.00	0.35	-	-	0.40	-	-	-	0.50	2.90	7.95
Break-Bulk Cargo													
As on 31.3.93	2.80	1.10	1.65	3.20	3.65	2.00	1.40	1.05	0.42	7.55	3.30	-	28.20
As on 31.3.94	2.80	1.30	1.65	3.50	3.65	2.00	1.40	1.05	0.42	7.55	3.30	-	28.52
Container													
As on 31.3.93	1.55	0.30	-	-	1.92	-	0.36	-	-	1.25	-	3.00	8.38
As on 31.3.94	1.55	0.30	-	-	1.92	-	0.50	-	-	1.25	-	3.00	8.52
TOTAL													
As on 31.3.93	8.75	16.78	7.65	23.05	22.07	5.10	10.66	9.55	15.92	26.80	20.80	5.90	171.03
As on 31.3.94	8.75	16.90	7.65	23.35	22.07	6.10	10.80	9.55	15.92	26.80	20.80	5.90	172.59

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					
1992-93	2262	3659	2208	1915	10044
1991-92	1951	3467	2135	1541	9094
1990-91	1894	3217	2293	1714	9118
2. Av. pre-berthing waiting time(days)					
1992-93	3.0	1.8	2.0	0.8	1.9
1991-92	1.8	1.7	1.8	0.6	1.6
1990-91	3.2	1.6	2.6	1.2	2.1
3. Av. turn round time (days)					
1992-93	12.6	4.4	10.6	3.6	7.5
1991-92	9.6	4.1	10.5	3.6	6.7
1990-91	13.0	4.0	12.4	4.5	8.1
4. Percentage of idle time at berth to time at working berth					
1992-93	31	35	42	35	36
1991-92	31	38	41	39	37
1990-91	30	39	41	41	37
5. Output per ship berth day (tonnes)					
1992-93	3806	12554	558	1788	3647
1991-92	4888	12501	536	1506	3942
1990-91	4083	12405	512	1467	3372

Source:- Indian Ports Association.

2.6.2 SELECTED PORT PERFORMANCE INDICATORS - BY TYPE

Item	Mardla	Bombay	Mormu- ga	New Mar- galore	Cochin	Tuti- corin	Madras	Vishaka- patnam	Paradip	Haldira	Cal- cutta	J.L. Nehru	All Ports
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1. No. of vessels sailed													
1992-93	1045	2124	610	454	627	747	1397	932	350	707	727	324	10044
1991-92	1003	1939	454	490	652	695	1388	850	316	631	656	...	9094
1990-91	945	2026	426	456	701	643	1506	809	267	581	759	...	9118
2. Av. pre-berthing waiting time(days)													
1992-93	3.5	2.3	1.1	1.4	1.0	1.6	2.1	1.6	1.5	2.0	0.6	1.7	1.9
1991-92	3.6	1.6	0.9	1.7	0.6	1.3	1.6	1.0	1.2	1.5	0.8	...	1.6
1990-91	4.4	3.4	0.6	0.8	0.6	0.9	2.1	1.6	1.6	1.7	0.9	...	2.1
3. Av. turn round time (days)													
1992-93	6.6	6.6	7.2	6.4	5.5	5.6	7.1	7.3	6.0	6.7	10.4	5.2	7.5
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
1990-91	10.0	10.8	5.4	5.0	4.0	4.7	7.2	7.1	6.4	6.5	11.9	...	6.1
4. Percentage of idle time at berth to time at working berth													
1992-93	20	38	26	48	41	42	40	22	23	42	46	21	36
1991-92	18	44	23	48	44	40	43	22	22	44	41	...	37
1990-91	20	44	22	46	44	42	40	20	21	44	41	...	37
5. Output per ship berth day (tonnes)													
1992-93	5214	2611	8215	3300	3648	2148	4294	5247	5194	5335	777	2146	3647
1991-92	5322	2625	10343	4564	4124	2196	4575	6120	4919	5851	612	...	3942
1990-91	4417	2310	10429	4412	3714	2130	3912	5325	4082	5659	560	...	3372

Source:- Indian Ports Association.

2.6.3 NUMBER OF VESSELS SAILED - BY TYPE AND PORT

Port	Dry-Bulk				Liquid Bulk				Break-Bulk				Containers				All Types			
	90-91	91-92	92-93	93-94	94-95	95-96	96-97	97-98	98-99	99-00	00-01	01-02	02-03	03-04	04-05	05-06	90-91	91-92	92-93	93-94
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)
Kandla	106	111	143	528	589	610	231	239	213	80	64	79	945	1003	1045					
Bombay	137	69	147	638	644	668	689	651	651	564	555	558	2028	1939	2124					
J.L. Nehru	...	...	30	...	...	1	...	...	...	...	...	293	...	...	324					
Mormugao	186	174	278	235	264	302	7	18	18	0	0	12	428	454	610					
New Mangalore	176	189	150	134	149	142	135	134	144	11	18	18	456	490	454					
Cochin	26	26	29	243	270	280	130	106	90	300	250	222	701	652	627					
Tuticorin	163	168	173	111	141	128	176	221	299	193	157	146	543	605	747					
Madras	306	316	354	484	476	477	384	314	311	332	282	255	1506	1388	1397					
Visakhapatnam	356	395	430	316	353	350	101	60	103	36	41	49	809	860	932					
Paradip	220	234	264	26	64	71	16	17	15	0	1	-	262	316	350					
Calcutta	43	45	36	156	148	217	420	360	339	140	113	135	759	666	727					
Haladia	173	208	228	346	369	412	4	9	19	58	47	48	561	631	707					
All Major Ports	1854	1951	2262	3217	3467	3659	2293	2135	2208	1714	1541	1915	9118	9094	10044					

Source:- Indian Ports Association.

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)	
90-91	91-92	92-93	90-91	91-92	92-93	90-91	91-92	92-93	90-91	91-92	92-93	90-91	91-92	92-93	90-91	91-92	92-93
Kandla	11.2	5.0	7.6	1.8	2.4	2.3	7.6	6.2	5.0	3.7	1.6	1.8	4.4	3.6	3.5		
Bombay	11.2	2.4	8.7	2.6	2.4	2.4	3.4	1.3	1.8	2.2	0.8	1.3	3.4	1.6	2.3		
J.L. Nehru	..	..	12.9	-	-	-	-	-	..	..	0.5	..	..	..	1.7		
Mormugao	N	0.1	0.3	1.4	1.4	1.9	0.1	0.1	N	-	-	0.2	0.8	0.9	1.1		
New Mangalore	1.3	3.6	2.8	0.3	0.4	0.5	0.6	0.6	0.8	N	0.1	0.2	0.8	1.7	1.4		
Cochin	5.1	7.1	2.8	0.7	0.8	1.5	0.8	0.5	0.3	0.5	0.3	0.4	0.8	0.8	1.0		
Tuticorin	1.5	1.6	1.8	0.6	0.6	1.0	1.1	2.0	2.2	0.3	0.4	0.6	0.9	1.3	1.8		
Madrass	2.7	1.5	3.2	2.2	2.4	2.1	2.6	1.4	2.4	0.9	0.6	0.4	2.1	1.6	2.1		
Visakhapatnam	3.0	1.2	2.7	0.9	1.0	0.9	1.3	0.8	1.9	0.3	0.1	0.3	1.8	1.0	1.8		
Paradip	1.7	1.3	1.5	0.7	0.3	1.5	1.9	2.0	1.1	-	0.6	-	1.6	1.2	1.5		
Calcutta	1.5	1.2	1.7	0.8	0.7	0.6	1.0	0.9	0.9	0.4	0.3	0.5	0.9	0.8	0.8		
Halda	2.4	1.2	1.9	1.4	1.8	2.2	2.8	1.7	2.7	0.6	0.4	0.2	1.7	1.5	2.0		
All Major Ports	3.2	1.8	3.0	1.6	1.7	1.8	2.6	1.8	2.0	1.2	0.6	0.8	2.1	1.8	1.9		

N - Negligible

Source:- Indian Ports Association.

2.6.5 AVERAGE TURN ROUND TIME - BY TYPE AND PORT

(in days)

Port	Dry-Bulk			Liquid Bulk			Break-Bulk			Containers			All Types		
	90-91	91-92	92-93	90-91	91-92	92-93	90-91	91-92	92-93	90-91	91-92	92-93	90-91	91-92	92-93
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Kandla	26.6	17.0	24.0	4.0	4.6	4.2	16.9	15.5	12.0	8.3	4.9	4.8	10.0	8.6	8.6
Bombay	31.2	20.3	27.7	5.9	5.6	5.6	14.5	10.2	11.5	7.1	4.7	4.6	10.8	7.6	8.6
J.L. Nehru	..	..	29.2	..	..	5.7	..	..	..	..	..	2.7	..	..	5.2
Mormugao	9.4	8.9	9.2	3.9	4.6	5.2	8.8	18.0	14.6	..	..	0.7	6.4	6.0	7.2
New Mangalore	4.9	5.9	3.2	1.4	1.4	1.7	9.0	8.6	8.5	1.4	2.3	1.9	5.0	5.5	6.4
Cochin	25.2	22.1	26.2	2.6	2.7	5.4	5.6	5.9	5.4	2.4	2.5	2.9	4.0	3.9	5.5
Tuticorin	8.6	8.3	8.4	2.2	2.1	2.7	5.6	7.5	6.8	1.5	1.7	2.2	4.7	5.2	5.6
Madras	11.7	9.1	12.4	4.5	4.4	3.9	10.8	8.5	9.9	2.7	2.6	2.3	7.2	6.0	7.1
Visakhapatnam	11.7	8.4	10.6	2.7	2.9	3.1	6.2	6.0	10.5	2.4	1.7	1.8	7.1	5.6	7.3
Paradip	9.1	7.2	6.6	1.9	1.7	3.0	9.3	6.8	5.5	..	1.6	..	6.4	6.1	6.0
Calcutta	22.3	17.5	20.4	5.2	4.9	4.5	15.4	14.2	14.2	5.6	5.9	7.4	11.9	10.9	10.4
Haidera	11.9	9.8	11.3	3.9	4.2	4.3	23.5	5.9	12.8	4.6	3.2	2.6	6.5	6.0	6.7
All Major Ports	13.0	9.6	12.6	4.0	4.1	4.4	12.4	10.5	10.6	4.5	8.6	3.6	8.1	6.7	7.5

Source:- Indian Ports Association.

2.6.6 PERCENTAGE OF IDLE TIME AT BERTH TO TIME AT BERTH - 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)
Karaiya	15	12	17	36	33	35	18	14	14	15	15	16	20	16	20	
Bombay	41	39	34	49	51	43	45	46	41	42	36	30	44	44	38	
J. L. Nehru	..	..	2	-	-	-	-	-	-	..	..	35	..	..	21	
Mormugao	22	20	22	21	30	44	19	21	36	-	-	33	22	23	28	
New Mangalore	45	43	46	32	33	40	49	53	50	57	46	60	46	48	48	
Cochin	37	47	57	33	30	6	51	46	48	49	51	49	44	44	41	
Tuticorin	37	30	33	39	42	39	49	48	49	45	47	42	42	40	42	
Madras	35	40	37	33	34	30	44	48	45	59	58	49	40	43	40	
Visakhapatnam	19	20	21	24	26	29	24	23	22	5	14	21	20	22	22	
Paradip	21	23	25	..	..	..	22	29	23	-	-	-	21	22	23	
Calcutta	36	39	50	54	52	50	43	42	48	27	25	29	41	41	46	
Haldia	47	45	42	42	39	40	17	44	45	40	49	46	44	44	42	
All Major Ports	30	31	31	39	38	35	41	41	42	41	39	35	37	37	36	

N - Negligible.

Source:- Indian Ports Association.

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

(In Tonnes)

Port	Dry-Bulk				Liquid Bulk				Break-Bulk				Containers				All Types			
	90-91	91-92	92-93	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)		
Kandla	1236	1467	1147	17211	18218	19870	789	841	959	1583	1789	1797	4417	5322	5214					
Bombay	758	874	897	13632	13354	13120	465	479	480	1545	1610	1853	2310	2325	2611					
J.L. Nehru			1782			795								2427				2146		
Mormugao	12074	13715	9877	6207	7606	6938	519	787	602					834	10429	10343	8215			
New Mangalore	11107	11911	6232	6359	6140	5378	733	583	600	554	422	503	4412	4564	3300					
Cochin	1191	1530	1038	15767	14440	13212	417	531	477	837	906	1001	3714	4124	3648					
Tuticorin	2979	3590	3611	5096	5313	5231	705	603	623	676	883	1123	2130	2196	2148					
Madras	5118	5446	4612	12687	13544	13998	481	609	607	2075	1912	2612	3912	4579	4294					
Vishakapatnam	4933	5657	4799	11798	11456	12638	846	997	1005	1240	1223	1185	5325	6120	5247					
Paradip	4191	4914	5120	10730	9030	9037	656	647	770		755		4082	4919	5194					
Calcutta	498	554	497	2242	2363	3010	381	377	399	987	1336	1437	560	612	777					
Haldia	3623	3600	3323	13079	13032	13983	551	892	619	1938	1336	1320	5659	5851	5336					
All Major Ports	4083	4888	3866	12405	12501	12554	512	536	558	1467	1506	1788	3372	3942	3647					

Source:- Indian Ports Association.

2.6.8 AVERAGE BERTH OCCUPANCY AT MAJOR PORTS

(Percentage)

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

2.6.9 UTILISATION OF CARGO HANDLING EQUIPMENTS

Port/Year	Mech. System		Utilisation of General Cargo handling equipments (average no. of hours : worked per month per equipment.)			
	Tonnes : per : worked : day :	Commo- dity :	Elect. Wharf Cranes : 3-10 : tonnes : Above 10 : tonnes :	Mobile : Cranes : Fork : Lifts :		
(1)	(2)	(3)	(4)	(5)	(6)	(7)
KANDLA						
Norms (1983) Performance	2300 Fertiliser		300	300	250	300
1982-83	2444	"	281	-	91	91
1983-84	2198	"	317	-	64	135
1984-85	1653	"	245	-	142	177
1985-86	1803	"	235	-	112	16
1986-87	1946	"	181	-	49	162
1987-88	2057	"	210	-	38	175
1988-89	1802	"	222	-	77	210
1989-90	1676	"	240	-	20	242
1990-91	1538	"	226	-	8	220
1991-92	1415	"	217	-	21	196
1992-93	1785	"	159	-	5	156
BOMBAY						
Norms (1983) Performance	-	-	300	300	250	300
1982-83	-	-	193	57	170	185
1983-84	-	-	187	14	190	177
1984-85	-	-	163	7	170	176
1985-86	-	-	166	25	179	209
1986-87	-	-	151	5	173	212
1987-88	-	-	131	24	176	259
1988-89	-	-	185	88	166	231
1989-90	-	-	182	102	155	192
1990-91	-	-	164	68	153	191
1991-92	-	-	126	79	124	178
1992-93	-	-	156	110	163	220

2.6.9 UTILISATION OF CARGO HANDLING EQUIPMENTS

Port/Year	Mech. System		Utilisation of General Cargo handling equipments (average no. of hours worked per month per equipment.)			
	Tonnes : per worked day	Commo- dity	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
1992-93	47647	"	280	-	86	82
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
1992-93	26035	"	23	-	24	22

2.6.9 UTILISATION OF CARGO HANDLING EQUIPMENTS

Port/Year	Mech. System		Utilisation of General Cargo handling equipments (average no. of hours worked per month per equipment.)			
	Tonnes : per worked day	Commo-dity	Elect. 3-10 tonnes	Wharf : Above 10 Tonnes	Cranes : Mobile	Fork : Lifts
(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
1992-93	-	-	53	-	123	132
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
1992-93	-	-	180	-	77	84

2.6.9 UTILISATION OF CARGO HANDLING EQUIPMENTS

Port/Year	Mech. System		Utilisation of General Cargo handling equipments (average no. of hours worked per month per equipment.)			
	Tonnes : per worked day	Commo- dity	Elect. Wharf 3-10 : tonnes	Cranes: Above 10 : Tonnes	Mobile : Cranes	Fork : Lifts
(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
1992-93	40942	"	250	243	241	238
VISAKHAPATNAM						
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
1992-93	26790	"	313	-	107	233

\$ Relates to vessels of capacity more than 35000 DWT.
 * Included in 3-10 Tonnes.
 @ 3 to 50 Tonnes.

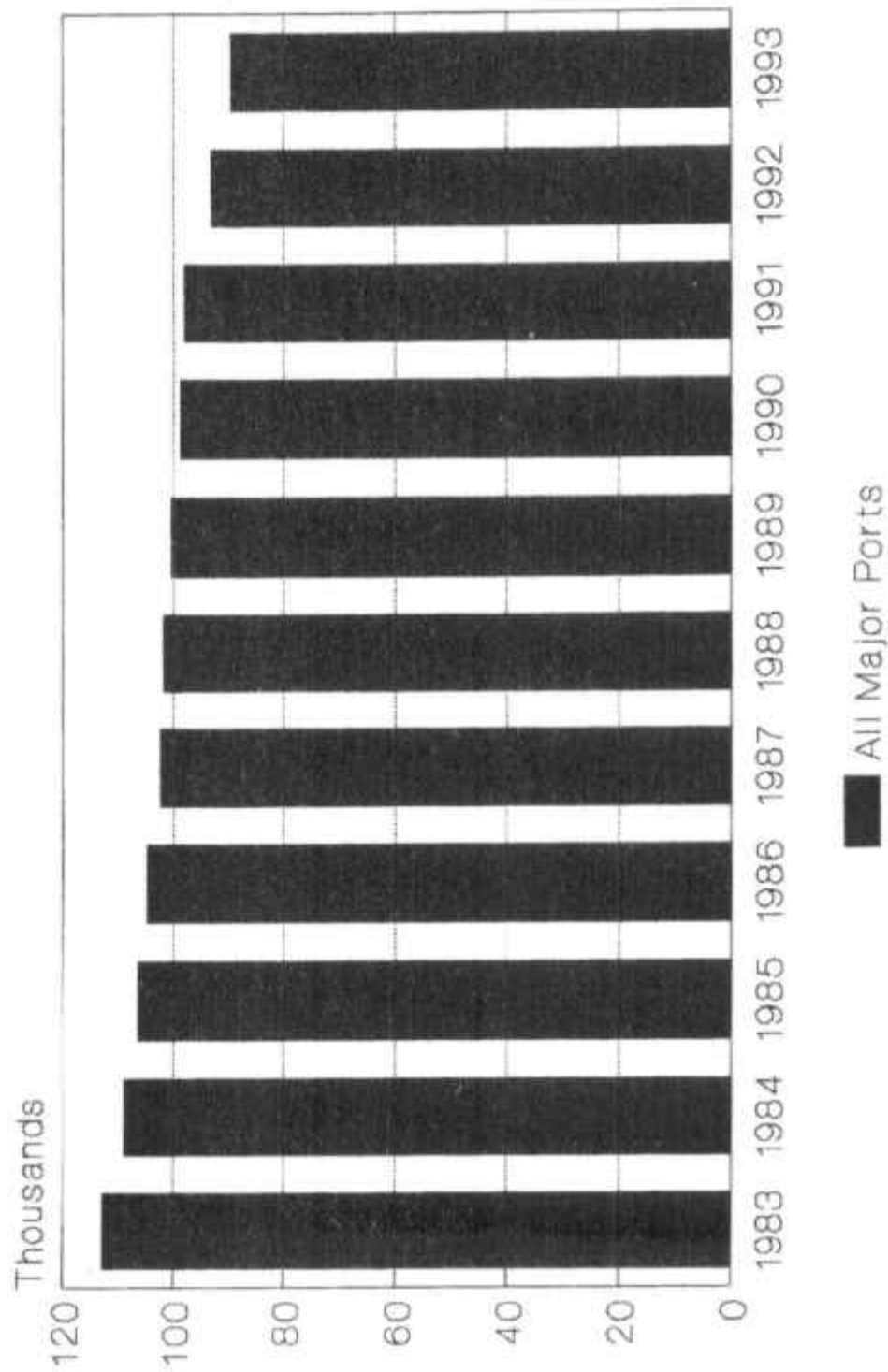
2.6.9 UTILISATION OF CARGO HANDLING EQUIPMENTS

Port/Year	Mech. System	Utilisation of General Cargo handling equipments (average no. of hours worked per month per equipment.)	Tonnes : per day	Commo- dity	Elect. Wharf Cranes: 3-10 tonnes	Above 10 tonnes	Mobile : Cranes	Fork : Lifts
(1)	(2)	(3)	(4)	(5)	(6)	(7)		
PARADIP								
Norms (1983)	18700	Iron Ore	300	300	250	300		
Performance								
1982-83	12357	"	*	95	108	121		
1983-84	12762	"	*	123	132	171		
1984-85	13130	"	*	91	104	71		
1985-86	11279	"	*	188	80	119		
1986-87	12981	"	*	98	72	73		
1987-88	17044	"	*	100	100	35		
1988-89	21609	"	*	178	107	65		
1989-90	14688	"	*	193	91	47		
1990-91	20129	"	*	221	80	71		
1992-92	16728	"	*	276	127	137		
1992-93	21029	"	*	154	44	76		
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		
1992-93	-	"	1680	259	194	257		

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

EMPLOYMENT AT MAJOR PORTS

(As on 31st December)



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	1993
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Kandla	4079	4171	4702	4499	4713	4503	4537	4633	4603	4976	4927	4677
Bombay	32572	34365	31830	31026	30736	30939	30987	30319	29349	28199	27327	25063
J.L.Nehru	-	-	-	-	-	-	-	-	1137	1187	1386	1507
Mormugao	3829	3556	3889	3855	3791	3681	3683	3646	3614	3582	3668	3257
New Mangalore	1186	1224	1304	1273	1285	1304	1314	1312	1328	1330	1337	2401
Cochin	6310	6405	6664	6010	6047	5950	5967	5868	5781	5533	5546	5546
Tuticorin	2256	2249	2361	2253	2286	2298	2286	2284	2270	2268	2250	2054
Madras	11780	12028	11892	11885	12128	11492	11469	11489	11346	11361	10318	10271
Visakhapatnam	11059	11894	11701	11075	11950	11068	11013	10986	10848	11314	10227	10082
Paradip	5624	5592	5530	5495	4803	5390	5590	5388	4841	4811	4834	4996
Calcutta/ Haldia	31114	31498	29008	29066	27180	25619	24873	24658	23643	23394	21292	19808
ALL MAJOR PORTS	109809	112982	108881	106437	104919	102244	101719	100583	98760	97955	93112	89662

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	1993
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
KANDLA	716	822	835	836	833	863	871	869	875	913	897	984
BOMBAY	8344	10972	10719	11869	10525	10354	10121	9903	7848	8137	6849	7051
MORMUGAO	1191	1127	1120	1114	1109	1101	968	961	955	935	902	821
COCHIN	1205	1164	1131	1077	995	919	823	757	665	581	683	584
MADRAS	1672	1695	1876	1806	1689	1558	1483	1394	1341	1306	1108	1890
VIZAG	938	841	869	851	841	816	685	665	641	611	706	739
CALCUTTA	8768	8096	7754	7410	7229	6885	6249	5941	5689	5272	4169	3907
TOTAL	22834	24717	24304	24963	23221	22496	21200	20490	18014	17755	15314	15976

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

(NUMBERS)

PORT	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
KANDLA	1459	1329	1617	1599	54	-	-	-	-	-	-	-
BOMBAY	378	-	-	-	-	-	-	-	-	-	-	-
MADRAS	817	805	505	497	479	521	1497	1479	1445	1376	289	275
VISAKHAPATNAM	1884	1710	1586	1573	1558	1539	1538	1516	1502	1487	1483	1006
TOTAL	4538	3844	3708	3669	2091	2060	3035	2995	2947	2863	1772	1281

2.7.4 EMPLOYMENT AT PORTS - BY PORT & CLASSES
(As on 31st December, 1993)

PORT	Number of Officers			Number of non-cargo handling workers			Number of cargo handling workers of other than Shore workers			Number of cargo handling workers of shore workers			Total
	Class I	Class II	Class III	Class IV	Class Others	Class III	Class IV	Class IV	Class IV	Class IV	Class IV		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)			
Kandla	122	56	625	1932	1004	356	103	657	-	4855			
Bombay	696	11	2081	8648	4238	2742	1050	6304	-	25770			
J.L. Nehru	180	1	290	102	333	782	-	-	-	1688			
Mormugao	129	56	3/0	1498	1058	299	-	32	-	3442			
New Mangalore	59	62	297	457	563	-	758	297	29	2522			
Cochin	161	68	962	1561	1469	956	225	373	-	5775			
Tuticorin	122	69	276	979	799	-	-	-	-	2245			
Madras	358	300	1975	2812	3380	710	288	1106	-	10929			
Visakhapatnam	237	152	1143	3377	2429	1927	816	327	63	10471			
Paradip	67	209	422	1133	1042	-	-	2075	324	5272			
Calcutta/Haldia	922	338	2342	7829	5427	1801	1379	840	190	21068			
Total	3053	1322	10783	30328	21742	9573	4619	12011	606	94037			

2.7.5 EMPLOYMENT AT DLB'S OF MAJOR PORTS
(AS ON 31ST DEC., 1993)

(Numbers)

Port / DLB	DLB Employment				Dock Workers						Grand Total
	Class I	Class II	Class III	Class IV	Total	Register ;	Listed	Others	Total		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	
Kandla	2	3	64	13	82	984	-	-	984	1066	
Bombay	25	2	525	358	910	7051	-	-	7051	7961	
Mormugao	6	3	77	28	114	821	-	-	821	935	
Cochin	6	14	108	40	168	584	-	-	584	752	
Madras	30	14	366	102	512	1890	275	-	2165	2677	
Visakhapatnam	23	7	278	106	414	739	1006	-	1745	2159	
Calcutta	24	19	457	324	824	3907	-	-	3907	4731	
All DLB's	116	62	1875	971	3024	15976	1281	-	17257	20281	

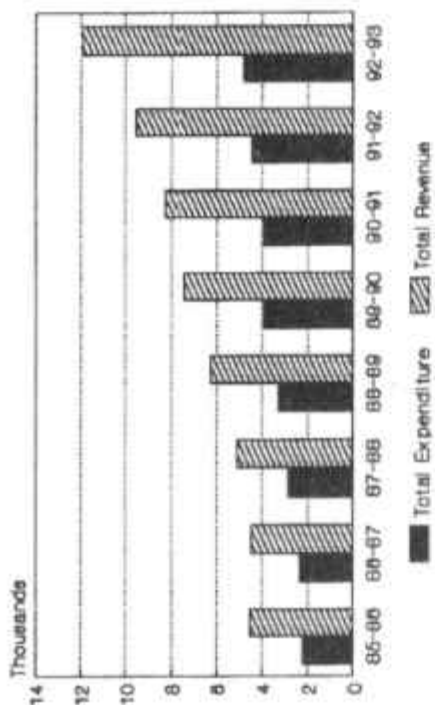
2.7.6 PERCENTAGE OF MANDAYS LOST OUT OF MANDAYS EMPLOYMENT DURING 1987-1993

PORT	1987		1988		1989		1990		1991		1992		1993	
	Man- days lost per emplo- '000	Mandays lost per 1000 yed (in emplo- '000)	Man- days lost per emplo- '000	Mandays lost per 1000 yed (in emplo- '000)	Man- days lost per emplo- '000	Mandays lost per 1000 yed (in emplo- '000)	Man- days lost per emplo- '000	Mandays lost per 1000 yed (in emplo- '000)	Man- days lost per emplo- '000	Mandays lost per 1000 yed (in emplo- '000)	Man- days lost per emplo- '000	Mandays lost per 1000 yed (in emplo- '000)	Man- days lost per emplo- '000	Mandays lost per 1000 yed (in emplo- '000)
Kandla	1610	Neg.	1622	Neg.	1651	17	1643	3.6	1767	0.3	1747	-	1698	0.3
Bombay	12388	11	12332	1	12067	19	11159	0.5	10901	0.4	10253	0.2	9634	1.7
Mormugao	1435	Neg.	1395	2	1362	28	1371	0.2	1355	0.3	1371	-	1223	1.1
N.Mangalore	391	3	394	16	394	97	398	47.1	399	0.2	401	0.1	720	-
Cochin	2061	Neg.	2037	Neg.	1987	22	1934	0.6	1834	1.8	1869	2.7	1639	0.2
Tuticorin	689	Neg.	686	6	685	20	681	3.9	680	4.6	675	-	616	4.5
Madras	4071	1	4335	1	4309	23	4240	1.9	4213	3.3	3515	1.6	3648	1.4
Visakhapatnam	4027	Neg.	3971	Neg.	3950	20	3897	0.1	4024	0.4	3725	0.7	3246	-
Paradip	1617	18	1677	-	1616	18	1452	-	1443	0.9	1450	-	1499	4.9
Calcutta/Haldia	9751	1	9337	2	9180	15	8800	0.1	8600	1.5	7638	0.2	7115	1.0
J.N.P.T.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	452	3.4
TOTAL	38040	5	37786	1	37221	20	35575	1.2	35216	1.2	32644	0.5	31690	1.3

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

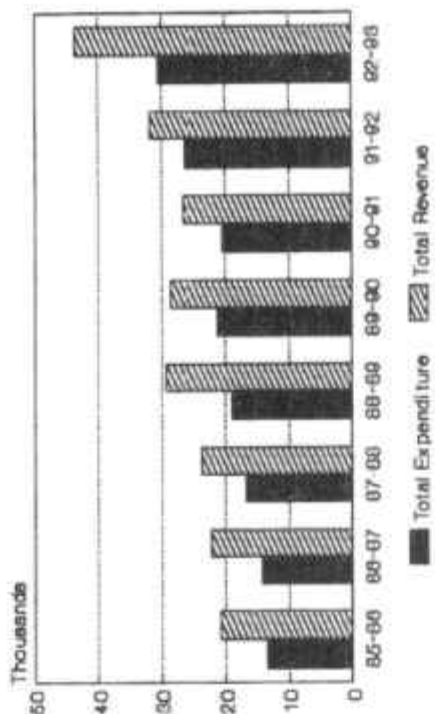
Revenue and Expenditure at Kandla Port

(Rs. in Lakhs)



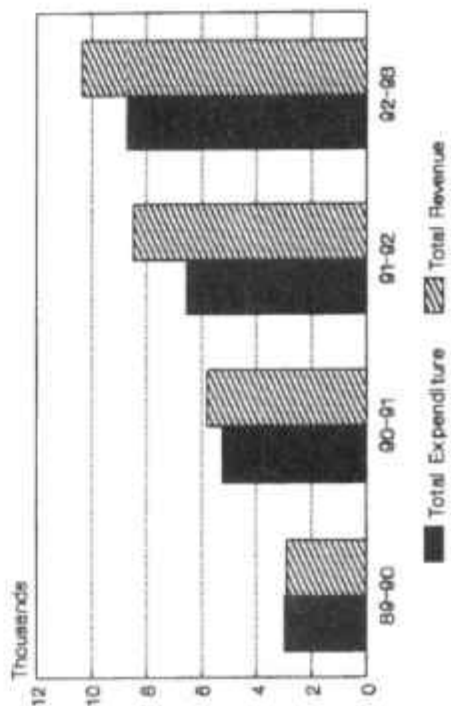
Revenue and Expenditure at Bombay Port

(Rs. in Lakhs)



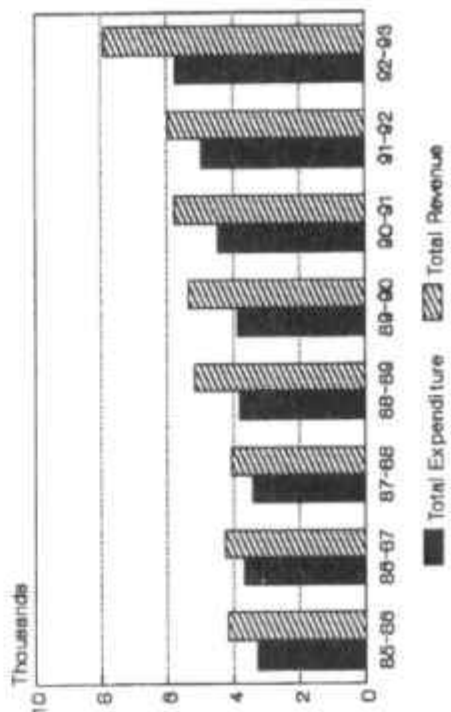
Revenue and Expenditure at J.L. Nehru

(Rs. in Lakhs)



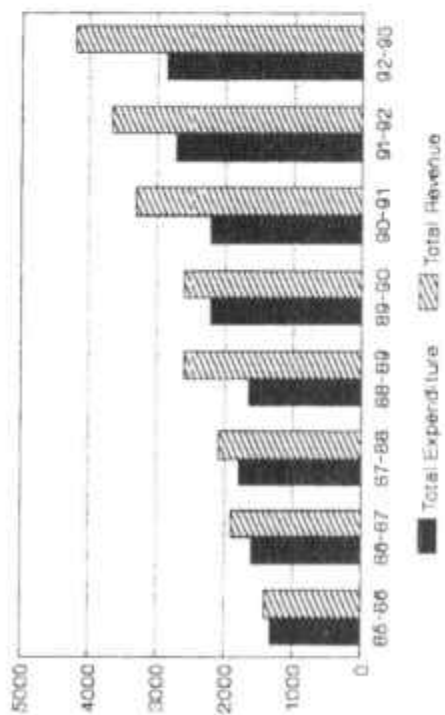
Revenue and Expenditure at Mormugao Port

(Rs. in Lakhs)



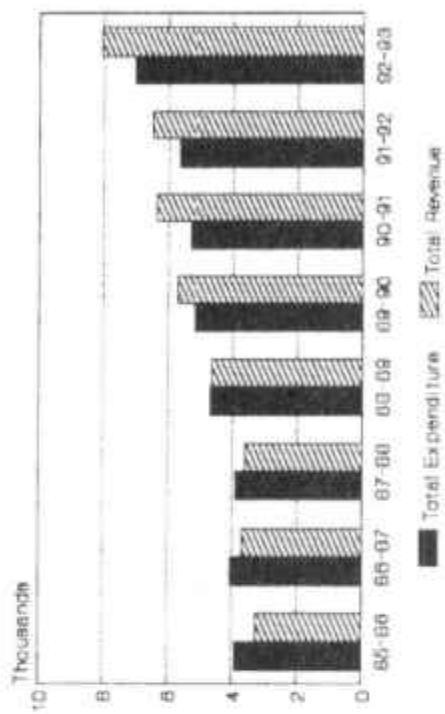
Revenue and Expenditure at New Mangalore

(Rs. in Lakhs)



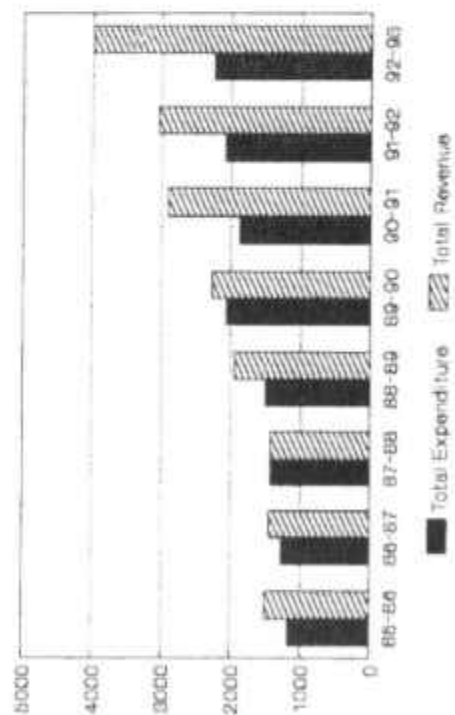
Revenue and Expenditure at Cochin Port

(Rs. in Lakhs)



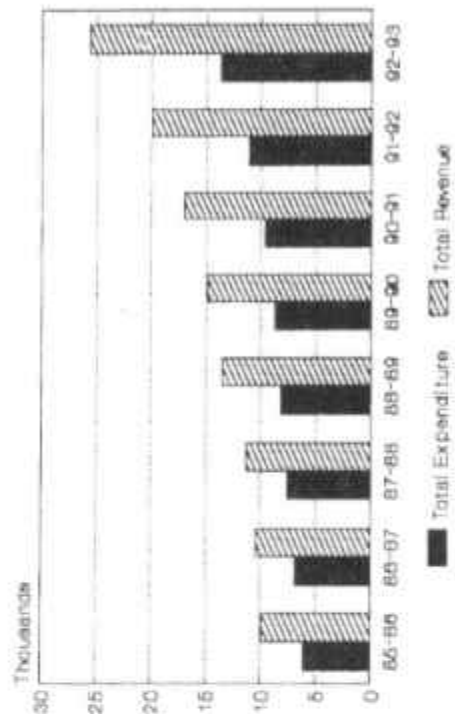
Revenue and Expenditure at Tuticorin

(Rs. in Lakhs)



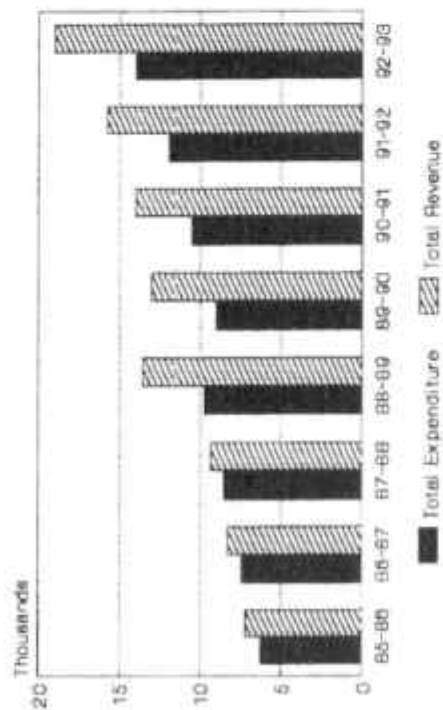
Revenue and Expenditure at Madras

(Rs. in Lakhs)



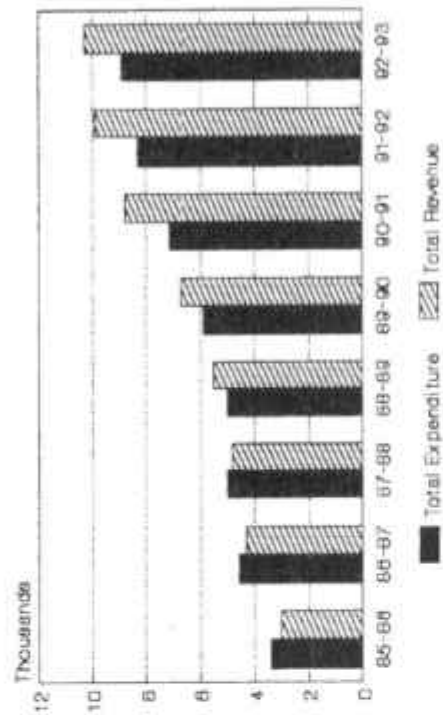
Revenue and Expenditure at Vizag

(Rs. in Lakhs)



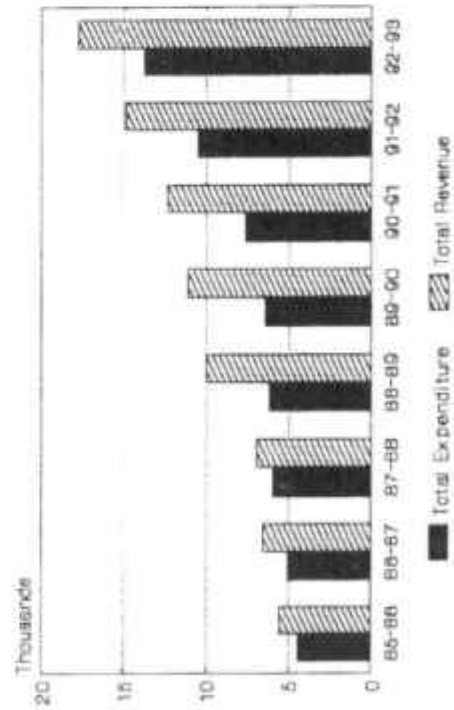
Revenue and Expenditure at Paradip

(Rs. in Lakhs)



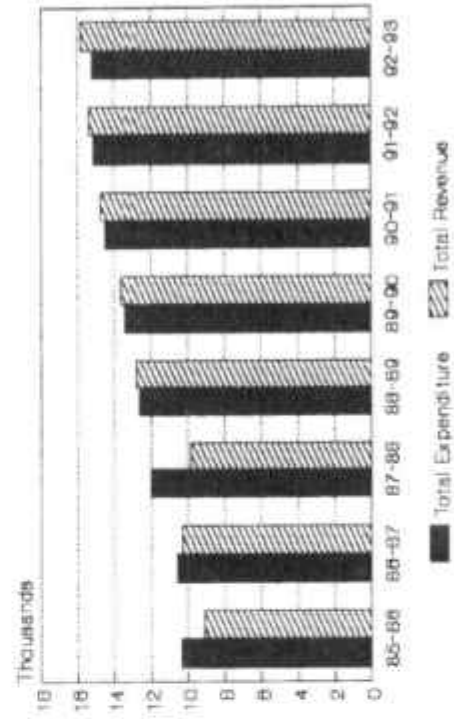
Revenue and Expenditure at Haldia

(Rs. in Lakhs)



Revenue and Expenditure at Calcutta

(Rs. in Lakhs)



(Rs. in Lakhs)

-155-

2.8.1 REVENUE AND EXPENDITURE AT MAJOR PORTS

(Rs. in Lakhs)

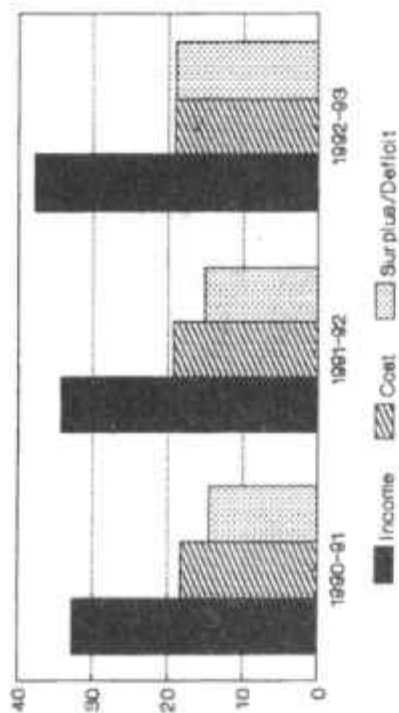
Port / Year	Total : : Revenue	Total : : Expenditure	Port & Dock : including : Pilotage	Cargo handling : and ware- : housing	Railways	Land and : Building	Finance : and : Misc.	Manage- : ment & : Genera : Admn.					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
CALCUTTA													
1984-85	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	13671	13416	2826	3691	8266	2530	371	807	1088	183	1120	2741	3464
1990-91	14722	14503	2770	3647	8891	2831	417	819	1246	224	1398	3115	3867
1991-92	15372	15187	2426	3484	8176	2832	476	850	1507	261	2787	3773	3987
1992-93	15815	15271	3451	4016	8808	2969	585	914	1567	247	1404	2912	4213
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
1992-93	178646	127618	38205	30153	96135	32290	7230	6890	6970	5365	30106	30223	22697

2.8.2 NET AND OPERATING SURPLUS AT MAJOR PORTS

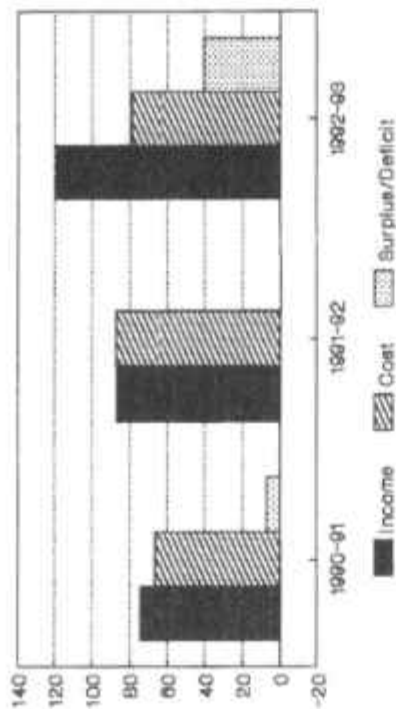
(Rs. in lakhs)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	:	:	:	:	:	:	:	:	:	:	:	:	:	:
	Kandla	Bombay	J.L.	Mormu-	N.Manga-	Cochin	Tuti-	Madras	Visakha	Paradip	Haldia	Calcutta	All	
	:	:	Nehru	gao	lore	:	corin	:	patnam	:	:	:	:	Ports
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	
1992-93	4339	14536	2338	1764	1050	1434	1609	8909	5774	2388	4952	2052	51145	

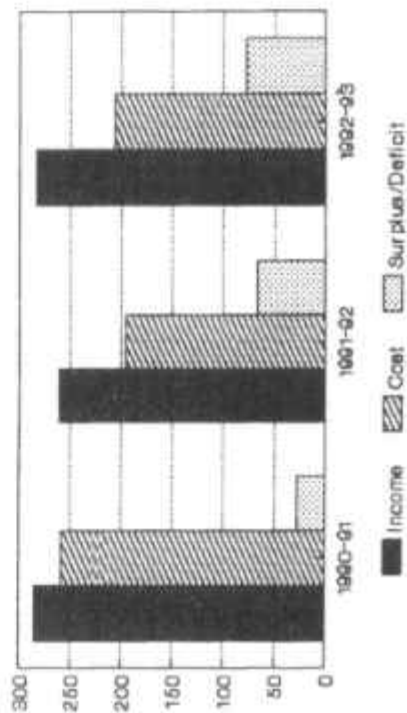
**Income, Cost and Surplus/Deficit
per Tonne of Cargo Handled
at Kandla Port (In Rupees)**



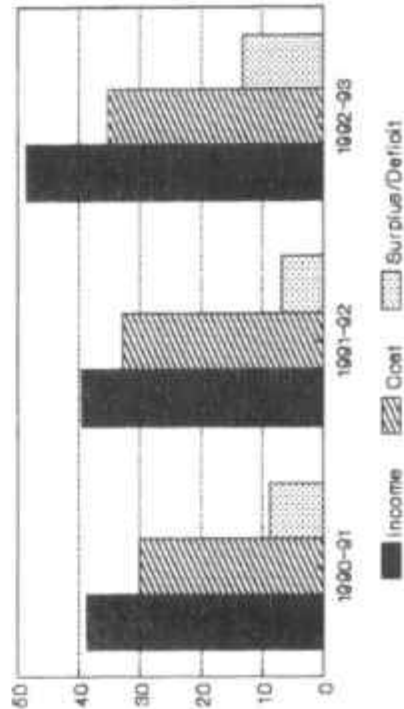
**Income, Cost and Surplus/Deficit
per Tonne of Cargo Handled
at Bombay Port (In Rupees)**



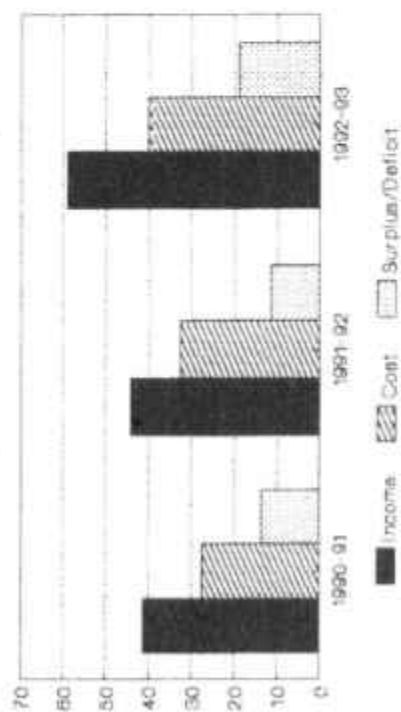
**Income, Cost and Surplus/Deficit
per Tonne of Cargo Handled
at J.L. Nehru Port (In Rupees)**



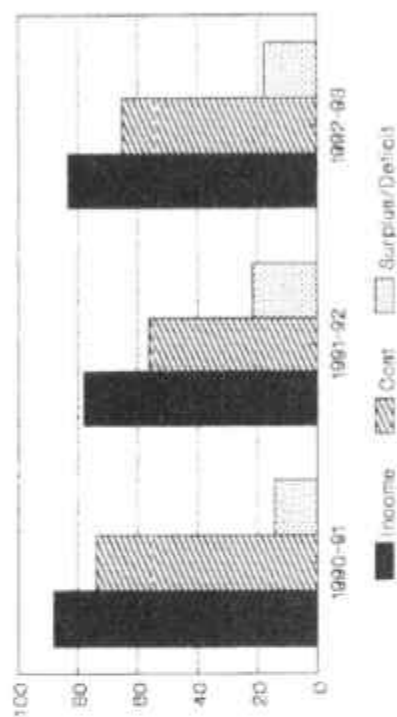
**Income, Cost and Surplus/Deficit
per Tonne of Cargo Handled
at Mormugao Port (In Rupees)**



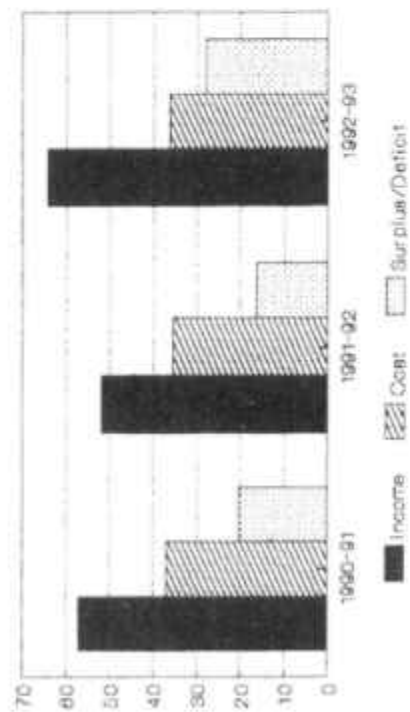
**Income, Cost and Surplus/Deficit
per Tonne of Cargo Handled
at New Mangalore Port (In Rupees)**



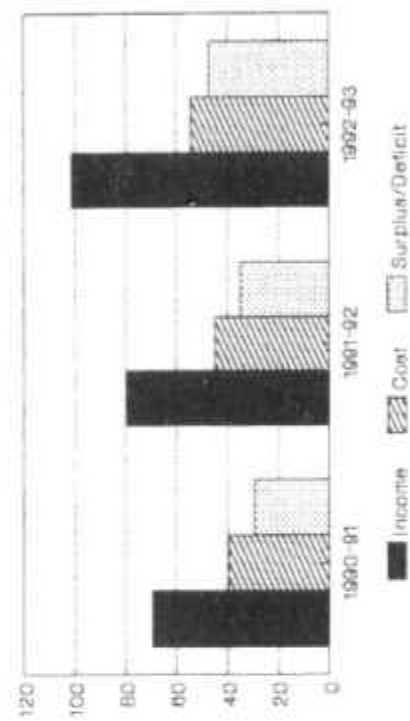
**Income, Cost and Surplus/Deficit
per Tonne of Cargo Handled
at Cochin Port (In Rupees)**



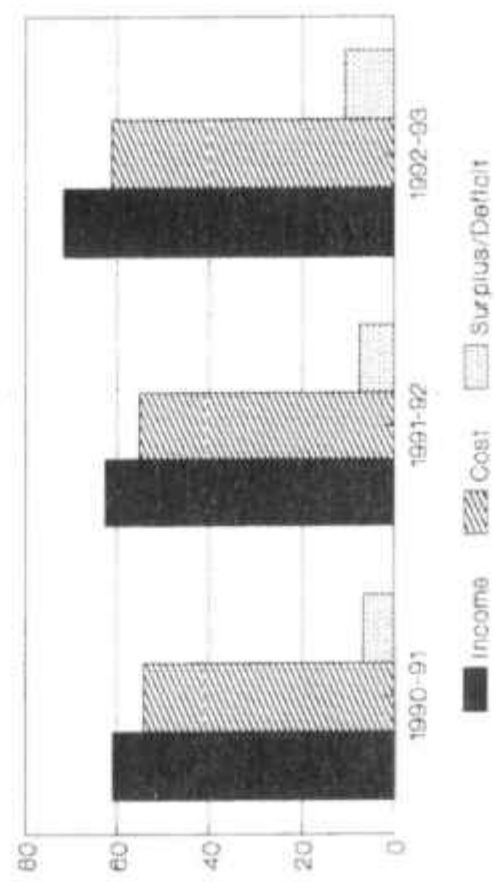
**Income, Cost and Surplus/Deficit
per Tonne of Cargo Handled
at Tuticorin Port (In Rupees)**



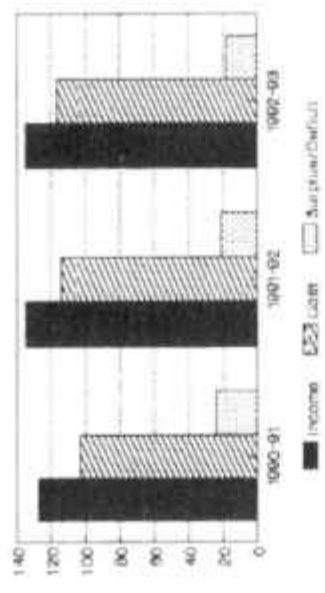
**Income, Cost and Surplus/Deficit
per Tonne of Cargo Handled
at Madras Port (In Rupees)**



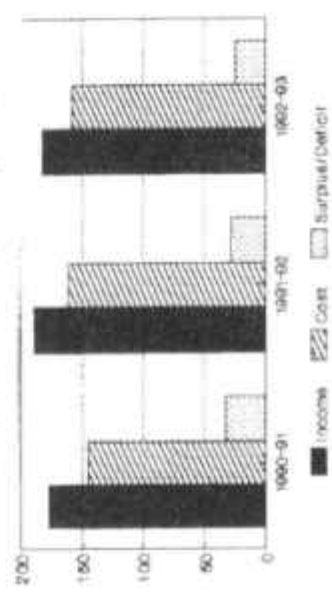
**Income, Cost and Surplus/Deficit
per Tonne of Cargo Handled
at Visakhapatnam Port (In Rupees)**



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



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



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

(In Rs.)

PORT	INCOME			COST			SURPLUS/DEFICIT		
	1990-91	1991-92	1992-93	1990-91	1991-92	1992-93	1990-91	1991-92	1992-93
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Kandla	32.71	34.30	37.94	18.28	19.23	19.00	14.43	15.07	18.94
Bombay	74.22	86.87	119.23	66.95	87.44	78.91	7.27	(-)0.57	40.32
J.L. Nehru	285.94	262.03	284.60	258.43	195.07	206.96	27.51	66.96	77.64
Mormugao	38.82	39.69	48.50	30.01	32.89	35.30	8.81	6.80	13.20
New Mangalore	41.27	44.32	59.22	27.50	32.82	40.25	13.77	11.50	18.97
Cochin	88.41	77.90	83.20	73.94	56.30	65.20	14.47	21.60	18.00
Tuticorin	57.31	51.92	64.18	37.05	35.56	36.20	20.26	16.36	27.98
Madras	69.18	79.79	101.44	39.61	44.87	54.15	29.57	34.92	47.29
Visakhapatnam	60.89	62.69	71.98	54.30	55.11	61.28	6.59	7.58	10.70
Paradip	127.64	135.52	135.39	103.33	114.34	117.07	24.31	21.18	18.32
Calcutta*	177.77	189.37	182.94	145.29	161.31	158.57	32.48	28.06	24.37

* Includes Haldia.

Source : Indian Ports Association.

SECTION - III

MINOR/INTERMEDIATE PORTS

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

3.1.2 - STATE-WISE CARGO (OVERSEAS/COASTAL) AT MINOR/INTERMEDIATE PORTS

(IN '000 TONNES)

Year	Gujarat	Mahara- stra	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	312	...	...	734	156	664	52	376	-	...	3847
1970-71	1454	559	...	...	750	194	615	166	500	-	...	4260
1975-76	2136	807	...	...	462	751	294	392	538	-	...	4882
1980-81	2193	1171	...	...	874	28	193	49	644	-	...	5303
1985-86	3037	1268	2	...	753	58	445	118	1074	3	...	6760
1986-87	3034	1238	4	...	687	50	255	50	861	3	...	6162
1987-88	2427	361	Neg.	...	250	41	84	0	699	30	...	3892
1988-89	3876	520	...	...	504	272	306	413	1136	22	...	7153
1989-90	5031	1071	...	...	489	120	375	729	1374	66	...	8787
1990-91	4638	599	...	...	418	86	1124	70	1124	61	...	7244
1991-92	4982	213	...	...	706	86	185	53	1180	150	...	7054
1992-93	6555	-	...	...	320	90	260	47	1437	207	...	8216
COASTAL												
1965-66	1740	544	...	...	472	257	840	-	6	-	...	3859
1970-71	1212	359	...	...	415	136	304	-	-	-	...	2428
1975-76	986	180	13	12	303	71	9	-	-	-	...	1622
1980-81	587	202	8	7	244	162	-	-	5	-	...	1429
1985-86	1533	332	Neg.	4	106	43	35	-	-	-	...	2295
1986-87	1455	294	1	3	153	40	0	-	-	-	...	2206
1987-88	1467	320	Neg.	3	167	41	0	-	-	-	...	2026
1988-89	1469	242	...	...	151	32	0	-	-	-	...	1922
1989-90	1586	266	...	...	164	37	1	-	-	-	...	2094
1990-91	2332	329	...	Neg.	193	44	Neg.	-	-	-	...	3215
1991-92	3327	319	12	Neg.	178	44	-	-	-	-	...	4217
1992-93	3129	303	212	Neg.	150	35	-	-	-	-	...	4166
TOTAL												
1965-66	3263	876	...	...	1206	423	1504	62	382	-	...	7708
1970-71	2666	918	...	...	1165	332	919	166	500	-	...	6688
1975-76	3102	987	13	12	765	324	303	392	538	-	...	6504
1980-81	2780	1373	8	7	1086	191	103	49	649	-	...	6732
1985-86	4565	1600	2	4	859	111	480	118	1074	-	...	9055
1986-87	4489	1532	5	3	820	90	255	50	861	3	...	8368
1987-88	3694	681	...	...	417	82	84	-	699	30	...	5918
1988-89	5347	862	...	...	655	304	306	413	1136	22	...	9075
1989-90	6627	1339	...	...	653	157	376	229	1374	66	...	10855
1990-91	6970	928	...	...	611	130	277	70	1124	61	...	10438
1991-92	8309	532	12	...	883	130	185	53	1180	150	...	11271
1992-93	9684	303	212	...	470	125	260	47	1437	207	...	13082

Figures pertain to only Lakshadweep.

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

(in '000 tonnes)

Year	Gujarat	Mahara- shtra	Goa	Daman & Diu	Karnat- aka	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	...	...	126	188	681	...	92	...	...	2932
1970-71	705	119	...	...	137	179	381	188	31	...	...	1740
1975-76	1219	84	10	...	157	213	195	392	90	...	40	2413
1980-81	1492	140	7	3	251	20	101	49	331	...	114	2498
1985-86	2864	306	Neg.	4	436	12	385	118	656	...	116	4907
1986-87	2648	279	...	3	353	15	187	30	438	...	134	4107
1987-88	2159	339	Neg.	3	72	9	36	...	262	...	27	2907
1988-89	3102	239	...	1	358	175	258	413	659	...	27	5230
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
1992-93	5134	298	88	Neg.	284	6	246	47	509	154	238	7006
LOADED												
1965-66	1681	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	Neg.	518	...	100	4234
1985-86	1701	1294	2	Neg.	423	99	95	...	408	...	126	4148
1986-87	1841	1253	5	...	467	75	60	...	423	3	126	4261
1987-88	1735	342	...	...	345	73	48	...	437	30	1	3011
1988-89	2245	623	...	...	298	129	48	...	479	22	Neg.	3645
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	...	178	32	99	5477
1992-93	4550	5	124	...	186	119	12	...	928	53	99	6076
TOTAL												
1965-66	3263	876	...	...	1206	423	1504	52	382	...	...	7206
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	3694	681	...	...	417	82	84	...	698	30	28	5918
1988-89	5347	862	...	...	655	304	306	413	1138	22	27	9075
1989-90	6627	1339	...	...	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
1992-93	9684	303	212	...	470	125	260	47	1437	207	337	13082

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 CARGO TRAFFIC HANDLED AT MINOR/INTERMEDIATE PORTS (STATE-WISE)

('000 tonnes)

STATES / U.T.	OVERSEAS	COASTAL	OVERSEAS & COASTAL						
	: Unloaded:Loaded	: Total : Unloaded:Loaded	: Total : Unloaded:Loaded						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
GUJARAT									
1965-66	828	695	1523	774	966	1740	1002	1661	2663
1970-71	259	1195	1454	446	766	1212	705	1961	2666
1975-76	854	1282	2136	365	601	966	1219	1883	3102
1980-81	1252	941	2193	240	347	587	1492	1288	2780
1985-86	2292	740	3032	572	961	1533	2864	1701	4565
1986-87	2080	954	3034	568	887	1455	2648	1841	4489
1987-88	1605	822	2427	554	913	1467	2159	1735	3894
1988-89	2477	1401	3878	625	844	1469	3102	2245	5347
1989-90	2735	2296	5031	760	836	1596	3495	3132	6627
1990-91	2370	2268	4638	1280	1052	2332	3650	3320	6970
1991-92	2079	22903	4982	2179	1148	3327	4258	4051	8309
1992-93	3029	3526	6555	2105	1024	3129	5134	4550	9684
MAHARASHTRA									
1965-66	-	332	332	244	300	544	244	632	876
1970-71	-	559	559	119	240	359	119	799	918
1975-76	-	807	807	94	86	180	94	893	987
1980-81	-	1171	1171	130	72	202	130	1243	1373
1985-86	-	1268	1268	306	26	332	306	1294	1600
1986-87	-	1238	1238	279	15	294	279	1253	1532
1987-88	30	331	361	239	11	320	239	342	681
1988-89	-	620	620	254	3	242	254	623	862
1989-90	-	1071	1071	328	14	268	328	1085	1339
1990-91	-	599	599	305	1	329	305	600	928
1991-92	-	213	213	298	14	319	305	227	532
1992-93	-	-	-	-	5	303	298	5	303
GOA									
1965-66	...	...	...	...	...	...	...	...	...
1970-71	-	-	-	10	3	13	10	3	13
1975-76	-	-	-	7	1	8	7	1	8
1980-81	-	-	-	Neg.	1	1	-	2	3
1985-86	-	2	2	Neg.	-	-	-	5	5
1986-87	-	4	4	Neg.	-	-	-	-	-
1987-88	Neg.	-	-	-	-	-	-	-	-
1988-89	...	...	...	...	...	-	-	-	-
1989-90	...	...	...	...	...	-	-	-	-
1990-91	...	...	...	...	...	-	-	-	-
1991-92	-	1	1	6	6	12	6	1	1
1992-93	-	-	-	88	124	212	88	124	212

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

('000 tonnes)

STATES / U.T.	OVERSEAS		COASTAL		OVERSEAS & COASTAL	
	: Unloaded	: Loaded	: Unloaded	: Loaded	: Unloaded	: Loaded
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Daman & Diu						
1965-66	...	...	...	...	...	...
1970-71	...	...	...	...	...	...
1975-76	...	...	...	...	...	...
1980-81	...	...	...	...	...	...
1985-86	...	...	...	...	...	...
1986-87	...	...	...	...	...	...
1987-88	...	...	...	...	...	...
1988-89	...	...	...	...	...	...
1989-90	...	...	...	...	...	...
1990-91	...	...	...	...	...	...
1991-92	...	...	...	...	...	...
1992-93	...	...	...	...	...	...
KARNATAKA						
1965-66	16	718	734	109	363	472
1970-71	34	716	750	103	312	415
1975-76	91	371	462	66	237	303
1980-81	177	647	824	74	170	244
1985-86	412	341	753	24	82	106
1986-87	293	374	667	60	93	153
1987-88	18	232	250	54	113	167
1988-89	285	219	504	71	80	151
1989-90	250	239	489	94	70	164
1990-91	159	259	418	112	81	193
1991-92	116	89	205	107	71	178
1992-93	192	128	320	92	58	150
KERALA						
1965-66	123	43	166	65	192	257
1970-71	144	50	194	35	103	138
1975-76	196	57	253	17	54	71
1980-81	16	13	29	4	158	162
1985-86	7	68	68	12	31	43
1986-87	...	43	50	8	32	40
1987-88	...	41	41	9	32	41
1988-89	171	101	272	4	28	32
1989-90	36	84	120	4	33	37
1990-91	Neg.	86	86	9	35	44
1991-92	Neg.	86	86	9	35	44
1992-93	...	90	90	6	29	35

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

('000 tonnes)

STATES / U.T.	OVERSEAS	COASTAL	OVERSEAS & COASTAL							
: Unloaded:Loaded : Total : Unloaded:Loaded : Total : Unloaded:Loaded : Total	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
TAMILNADU										
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. 1	1	258	48	306	
1989-90	326	49	375	-	-	-	326	50	376	
1990-91	217	10	227	Neg.	-	-	217	10	227	
1991-92	182	3	185	-	-	-	182	3	185	
1992-93	248	12	260	-	-	-	248	12	260	
PONDICHERY										
1965-66	-	52	52	-	-	-	188	52	52	
1970-71	188	-	188	-	-	-	392	-	188	
1975-76	392	-	392	-	-	-	49	-	392	
1980-81	49	-	49	-	-	-	118	-	49	
1985-86	118	-	118	-	-	-	50	Neg.	118	
1986-87	50	-	50	-	-	-	-	-	50	
1987-88	-	-	-	-	-	-	413	-	413	
1988-89	413	-	413	-	-	-	229	-	413	
1989-90	229	-	229	-	-	-	70	-	229	
1990-91	70	-	70	-	-	-	53	-	70	
1991-92	53	-	53	-	-	-	47	-	53	
1992-93	47	-	47	-	-	-	-	-	47	
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	
1992-93	509	928	1437	-	-	-	509	928	1437	

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

('000 tonnes)

STATES / U.T.	OVERSEAS		COASTAL		OVERSEAS & COASTAL	
	Unloaded	Loaded	Unloaded	Loaded	Unloaded	Loaded
(1)	(2)	(3)	(4)	(5)	(6)	(7)
ORISSA						
1965-66	-	-	-	-	-	-
1970-71	-	-	-	-	-	-
1975-76	-	-	-	-	-	-
1980-81	-	-	-	-	-	-
1985-86	-	-	-	-	-	-
1986-87	-	3	-	-	-	3
1987-88	-	30	-	-	-	30
1988-89	-	22	-	-	-	22
1989-90	-	42	-	-	-	42
1990-91	26	11	-	-	26	11
1991-92	50	32	-	-	50	32
1992-93	118	53	-	-	118	53
	154		-	-	154	
SEA ISLANDS						
ANDAMAN GROUP (I)						
1965-66	-	-	-	-	-	-
1970-71	-	-	-	-	-	-
1975-76	-	-	-	-	-	-
1980-81	-	3	-	-	-	3
1985-86	-	-	-	-	-	-
1986-87	-	-	-	-	-	-
1987-88	-	-	-	-	-	-
1988-89	-	-	-	-	-	-
1989-90	-	-	-	-	-	-
1990-91	-	-	-	-	-	-
1991-92	-	-	-	-	-	-
1992-93	-	-	-	-	-	-
LAKSHADWEEP (II)						
1965-66	-	-	-	-	-	-
1970-71	-	-	-	-	-	-
1975-76	-	-	-	-	-	-
1980-81	-	-	-	-	-	-
1985-86	-	-	-	-	-	-
1986-87	-	-	-	-	-	-
1987-88	-	-	-	-	-	-
1988-89	-	-	-	-	-	-
1989-90	-	-	-	-	-	-
1990-91	-	-	-	-	-	-
1991-92	-	-	-	-	-	-
1992-93	-	-	-	-	-	-

('000 tonnes)

-167-

3.1.5 Transshipment Figure

(In '000 Tonnes)			
State/Port	Commodity	1990-91	1991-92 1992-93

Gujarat			

Sikka	Light Diesel	2343	-
	Oil	-	-
	Crude Oil	-	1799 1909
Bedi	Iron Ore	-	16 -
	Coal Cargo	-	24
Bhavnagar	Iron Ore	-	246 269

Andhra Pradesh			

Kakinada	Wheat	-	- 123

Total Transshipment		2343	2061 2325

3.1.6 - OVERSEAS CARGO TRAFFIC HANDLED IN PRINCIPAL COMMODITIES

('000 tonnes)

COMMODITY	1990-91		1991-92		1992-93					
	: Unloaded:Loaded		: Total : Unloaded:Loaded		: Total : Unloaded:Loaded		: Total			
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
GUJARAT	2370	2268	4638	2079	2903	4982	3029	3526	6555	
Fertilizer & Raw Material	1669	-	1669	1276	-	1276	2058	55	2113	
Iron Scrap	183	18	201	177	19	196	21	11	32	
Foodgrains	23	48	71	-	235	235	296	62	358	
Oil Cakes	-	1711	1711	-	2068	2068	-	2367	2367	
Others	495	491	986	626	581	1207	654	1031	1685	
MAHARASHTRA	-	599	599	-	213	213	-	-	-	
Iron Ore	-	599	599	-	213	213	-	-	-	
GOA	-	1	1	-	-	-	-	-	-	
KARNATAKA	159	259	418	116	89	205	192	128	320	
Fertilizer & Raw Material	157	3	160	94	-	94	95	5	100	
Iron & Other	-	242	242	-	30	30	-	61	61	
Ores	-	-	-	14	1	15	84	-	84	
Foodgrains	2	14	16	8	58	66	13	62	75	
Others										

3.1.6 - OVERSEAS TRAFFIC HANDLED IN PRINCIPAL COMMODITIES

('000 tonnes)										
COMMODITY		1990-91		1991-92		1992-93				
		: Unloaded:Loaded		: Total :Unloaded:Loaded		: Total :Unloaded:Loaded		: Total		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
KERALA	Neg.	86	86	Neg.	86	86	-	90	90	
Other Ores	-	83	83	-	83	83	-	90	90	
Foodgrains	Neg.	-	-	Neg.	-	-	-	-	-	
Others	Neg.	3	3	Neg.	3	3	-	-	-	
TAMILNADU	217	10	227	182	3	185	248	12	260	
Other Ores	19	-	19	-	-	-	-	12	12	
Fertilizer & Raw Material	198	-	198	173	-	173	209	-	209	
Others	-	10	10	9	3	12	39	-	39	
ANDHRA PRADESH	504	620	1124	402	778	1180	509	928	1437	
Fertilizer & Raw Material	485	-	485	395	-	395	450	17	467	
Others	19	620	639	7	778	785	59	911	970	
PONDICHERRY	70	-	70	53	-	53	47	-	47	
Foodgrains	-	-	-	-	-	-	-	-	-	
Fertiliser	70	-	70	53	-	53	47	-	47	

3.1.6 - OVERSEAS TRAFFIC HANDLED IN PRINCIPAL COMMODITIES

('000 tonnes)

COMMODITY	1990-91	1991-92	1992-93						
	Unloaded:Loaded	Total	Unloaded:Loaded	Total	Unloaded:Loaded	Total	Unloaded:Loaded	Total	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
ORISSA	50	11	61	118	32	150	154	53	207
Other Ores	-	11	11	-	32	32	-	53	53
Fertiliser	50	-	50	118	-	118	69	-	69
Food grains	-	-	0	-	-	0	85	-	85
TOTAL	3370	3854	7224	2901	4153	7054	4179	4737	8916
Fertilizer									
Raw Material	2629	3	2632	2060	49	2109	2928	77	3005
Iron Scrap	183	18	201	177	19	196	21	11	32
Iron & Other									
Ores	19	935	954	-	358	358	-	216	216
Foodgrains	23	48	71	14	236	250	465	62	527
Oil Cakes	-	1711	1711	-	2068	2068	-	2367	2367
Others	516	1139	1655	650	1423	2073	765	2004	2769

3.1.7 - COASTAL CARGO TRAFFIC HANDLED IN PRINCIPAL COMMODITIES

('000 tonnes)									
COMMODITY	1990-91		1991-92		1992-93				
	Unloaded:Loaded	Total	Unloaded:Loaded	Total	Unloaded:Loaded	Total	Unloaded:Loaded	Total	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
GUJARAT	1280	1052	2332	2179	1148	3327	2105	1024	3129
1. Building Material	576	828	1404	518	839	1357	413	703	1116
2. Salt	-	96	96	5	92	97	-	83	83
3. Others	704	128	832	1655	218	1873	1692	238	1930
MAHARASHTRA	328	1	329	305	14	319	298	5	303
1. Building Material*	326	-	326	304	-	304	269	5	274
2. Salt	Neg.	-	Neg.	-	-	-	-	Neg.	-
3. Others	2	1	3	1	14	15	29	-	29
GOA	-	-	-	6	6	12	88	124	212
DAMAN & DIU	Neg.	-	Neg.	Neg.	-	Neg.	Neg.	-	Neg.
1. Building Material	Neg.	-	Neg.	Neg.	-	Neg.	Neg.	-	Neg.
2. Others	-	-	-	Neg.	-	Neg.	-	-	-
KARNATAKA	112	81	193	107	71	178	92	58	150
1. Building Material	Neg.	24	24	-	56	56	2	31	33
2. Salt	73	-	73	77	-	77	87	-	87
3. Others	39	57	96	30	15	45	3	27	30

3.1.7 - COASTAL CARGO TRAFFIC HANDLED IN PRINCIPAL COMMODITIES

('000 tonnes)

COMMODITY	1990-91		1991-92		1992-93					
	: Unloaded:Loaded		: Total :Unloaded:Loaded		: Total :Unloaded:Loaded		: Total			
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
KERALA	9	35	44	9	35	44	6	29	35	
1.Building Material	-	25	25	-	25	25	-	13	13	
2.Others	9	10	19	9	10	19	6	16	22	
TAMILNADU	Neg.	-	Neg.	Neg.	-	Neg.	-	-	-	
1.Others	Neg.	-	Neg.	Neg.	-	Neg.	-	-	-	
LAKSHADWEEP	33	5	38	33	5	38	33	5	38	
1.Building Material	16	-	16	16	-	16	16	-	16	
2.Others	17	5	22	17	5	22	17	5	22	
ANDAMAN & NICOBAR	202	77	279	205	94	299	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	1964	1251	3215	2844	1373	4217	2827	1339	4166	
1.Building Material	954	907	1861	880	920	1800	742	786	1528	
2.Salt	75	97	172	84	92	176	91	83	174	
3.Others	935	247	1182	1880	361	2241	1994	470	2464	

* Includes Clinkers.

3.1.8 OVERSEAS CARGO TRAFFIC AT SELECTED MINOR/INTERMEDIATE PORTS DURING
1991-92 AND 1992-93

('000 TONNES)						
Port/Commodity	Unloaded		Loaded		TOTAL	
	1991-92	1992-93	1991-92	1992-93	1991-92	1992-93
(1)	(2)	(3)	(4)	(5)	(6)	(7)
GUJARAT						
1. Bedi	389	511	1906	2135	2295	2646
a) Foodgrains	2	108	112	7	114	115
b) Rock Phosphate	62	41	-	-	62	41
c) Other Fertilizers	276	310	-	-	276	310
d) Salt	-	-	13	-	13	0
e) Oil Cakes	-	-	1773	2113	1773	2113
f) Others	49	52	8	15	57	67
2. Okha	143	318	114	156	257	474
a) Foodgrains	-	-	71	48	71	48
b) Fertilizer finished	39	56	-	-	39	56
c) Salt	-	-	8	9	8	9
d) Other Ores	-	26	26	-	26	26
e) Coke & Coal	33	149	-	-	33	149
f) Others	71	87	9	99	80	186
3. Bhavnagar	512	569	29	107	541	676
a) Foodgrains	-	-	-	-	-	-
b) Fertilizer finished	82	118	-	-	82	118
c) Rock Phosphate	143	119	-	-	143	119
d) Other fertilizer	175	180	-	-	175	180
e) Iron Scrap	111	-	18	-	129	-
f) Others	-	152	11	107	11	259
4. Navalakhi	232	344	127	80	359	424
a) Foodgrains	-	9	-	4	-	13
b) Fertilizer finished	209	329	-	-	209	329
c) Salt	-	-	127	76	127	76
d) Others	23	6	-	-	23	6

3.1.8 OVERSEAS CARGO TRAFFIC AT SELECTED MINOR/INTERMEDIATE PORTS DURING
1991-92 AND 1992-93 (Contd.)

('000 TONNES)

Port/Commodity	Unloaded		Loaded		TOTAL		
	1991-92	1992-93	1991-92	1992-93	1991-92	1992-93	1992-93
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(7)
5. Sikka	389	465	34	54	423	519	
a) Salt	-	-	34	-	34	-	
b) P. Acid	351	370	-	-	351	370	
c) Others	38	95	-	54	38	149	
6. Surat	236	398	-	159	236	557	
a) Rock Phosphate	135	174	-	-	135	174	
b) Other fertilizer	-	77	-	-	-	77	
c) Other Ores	36	-	-	-	36	-	
d) Others	65	147	-	159	65	306	
MAHARASHTRA							
1. Redi	-	-	213	-	213	-	
a) Iron Ore	-	-	213	-	213	-	
KARNATAKA							
1. Karwar	101	160	56	66	157	226	
a) Foodgrains	-	80	-	-	-	80	
b) Rock Phosphate	49	66	-	-	49	66	
c) Fertilizer finished	45	14	-	-	45	14	
d) Timber	7	-	-	-	7	-	
e) P. Acid	-	-	5	5	5	5	
f) Others	-	-	51	61	51	61	
2. Mangalore	14	32	4	2	18	34	
a) Timber	-	-	-	-	-	-	
b) Foodgrains	14	4	1	-	15	4	
c) Fertilizer finished	-	15	-	-	-	15	
d) Others	-	13	3	2	3	15	

3.1.8 OVERSEAS CARGO TRAFFIC AT SELECTED MINOR/INTERMEDIATE PORTS DURING
1991-92 AND 1992-93
(Contd.)

		('000 TONNES)						
Port/Commodity	Unloaded			Loaded			TOTAL	
	1991-92	1992-93	1991-92	1991-92	1992-93	1991-92	1992-93	1992-93
(1)	(2)	(3)	(4)	(5)	(6)	(7)		
KARNATAKA (CONTD.)								
3. Belekari	-	-	30	61	30	61	61	61
a) Iron Ore	-	-	25	26	25	26	26	26
b) Manganese Ore	-	-	5	35	5	35	35	35
KERALA								
Neendakara	-	-	83	90	83	90	90	90
TAMILNADU								
1. Cuddalore	128	176	-	-	128	176	176	176
a) Foodgrains	118	11	-	-	-	11	11	11
b) Fertilizer finished	10	140	-	-	118	140	140	140
c) Other Ores	-	25	-	-	10	25	25	25
d) Others	-	-	-	-	-	-	-	-
ANDHRA PRADESH								
1. Kakinda	402	509	778	928	1180	1437	1437	1437
a) Foodgrain	-	18	37	91	37	109	109	109
b) Fertiliser finished	-	-	37	-	37	-	-	-
c) Rock Phosphate	370	450	-	18	370	468	468	468
d) Other Ores	-	-	-	-	-	-	-	-
e) Others	32	41	704	819	736	860	860	860
ORISSA								
1. Gopalpur	118	154	32	53	150	207	207	207
a) Other Ores	-	-	32	53	32	53	53	53
b) Fertiliser finished	118	69	-	-	118	69	69	69
c) Food grains	-	85	-	-	-	85	85	85
Total (above Ports)	2664	3636	3323	3891	5987	7527	7527	7527
Total for all Minor/ Intermediate Port	2950	4179	4104	4737	7054	8916	8916	8916

3.1.9 COASTAL CARGO TRAFFIC AT SELECTED MINOR/INTERMEDIATE PORTS DURING
1991-92 AND 1992-93

('000 TONNES)

Port/Commodity	Unloaded		Loaded		TOTAL		
	1991-92	1992-93	1991-92	1992-93	1991-92	1992-93	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	
GUJARAT							
1. Okha	39	64	7	13	46	77	
a) Fuel Oil	39	64	-	-	39	64	
b) Bauxite	-	-	7	12	7	12	
c) Others	-	-	-	1	-	1	
2. Surat	2138	2027	172	213	2310	2240	
a) Cement Clinkers	518	413	-	-	518	413	
b) Iron Ore	1612	1614	-	-	1612	1614	
c) Others	8	-	172	213	180	213	
3. Jafrabad	-	-	797	667	797	667	
a) Cement Clinkers	-	-	796	666	796	666	
b) Others	-	-	1	1	1	1	
4. Sikka	-	-	77	83	77	83	
a) Salt	-	-	77	83	77	83	
MAHARASHTRA							
1. Ratnagiri	293	264	10	5	303	269	
a) Cement Clinkers	292	264	-	5	292	269	
b) Others	1	-	10	-	11	-	

3.1.9 COASTAL CARGO TRAFFIC AT SELECTED MINOR/INTERMEDIATE PORTS DURING
1991-92 AND 1992-93
(Contd.)

('000 TONNES)							
Port/Commodity	Unloaded		Loaded		TOTAL		
	1991-92	1992-93	1991-92	1992-93	1991-92	1992-93	
	(1)	(2)	(3)	(4)	(5)	(6)	
KARNATAKA							
1. Karwar	78	86	2	11	80	97	
a) Salt	72	86	-	-	72	86	
b) Others	6	-	2	11	8	11	
KERALA							
1. Calicut/Beyppore	9	6	27	23	36	29	
a) Building material	-	-	17	10	17	10	
b) Rice/Wheat	-	-	3	2	3	2	
c) Others	9	6	7	11	16	17	
2. Azhikkal	-	-	7	5	7	5	
a) Building material	-	-	7	5	7	5	
LAKSHADWEEP	33	33	5	5	38	38	
a) Fuel Oil	5	5	Neg	Neg	5	5	
b) Others	28	28	5	5	33	33	
Total for above Ports	2590	2480	1104	1025	3694	3505	
a) Fuel Oil	44	69	-	-	44	69	
b) Bauxite	-	-	7	12	7	12	
c) Cement Clinkers	810	677	820	671	1630	1348	
d) Salt	72	86	77	83	149	169	
e) Iron Ore	1612	1614	-	-	1612	1614	
f) Building material	-	-	-	5	-	5	
g) Rice, Wheat	-	-	3	2	3	2	
h) Others	52	34	197	252	249	286	
Total all Minor/ Intermediate Ports	2844	2827	1373	1339	4217	4166	

3.1.10 CARGO TRAFFIC HANDLED AT SELECTED MINOR/INTERMEDIATE PORTS FOR 1991-92 & 1992-93

STATE/PORT	OVERSEAS				COASTAL				TOTAL			
	Unloaded : 1991-92 : 92-93	:	Loaded : 1991-92 : 92-93	:	Unloaded : 1991-92 : 92-93	:	Loaded : 1991-92 : 92-93	:	Unloaded : 1991-92 : 92-93	:	Loaded : 1991-92 : 92-93	:
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
GUJARAT	2079	3029	2903	3526	2179	2105	1148	1024	4258	5134	4051	4550
Mandvi	23	22	61	45	-	-	7	-	23	22	68	45
Navlakhi	232	344	127	80	-	-	4	-	232	344	131	80
Bedi	389	499	1906	2123	-	-	-	-	389	499	1906	2123
Sikka	389	465	34	54	-	-	77	83	389	465	111	137
Okha	143	318	114	156	39	64	7	13	182	382	121	169
Porbunder	60	135	502	682	-	-	16	8	60	135	518	690
Veraval	63	247	63	52	1	10	51	29	64	257	114	81
Bhavnagar	512	569	29	107	-	-	-	-	512	569	29	107
Surat	236	398	-	159	2138	2027	172	213	2374	2425	172	372
Mundra	12	31	34	25	-	-	1	-	12	31	35	25
Jafarabad	-	-	-	42	-	-	797	666	-	-	797	708
Piparav	-	-	-	-	-	-	10	11	-	-	10	11
Mahuva	-	-	-	-	-	-	5	1	-	-	5	1
Gogha	-	-	-	-	-	4	1	-	-	4	1	-
Dahej	20	-	-	-	-	-	-	-	20	-	-	-
Jakhu	-	-	32	-	-	-	-	-	-	-	32	-
Others	-	1	1	1	1	-	-	-	1	1	1	1
MAHARASHTRA	-	-	213	-	305	298	14	5	305	298	227	5
Ratnagiri	-	-	-	-	293	264	10	4	293	264	10	4
Redi	-	-	213	-	-	-	4	1	-	-	217	1

3.1.10 CARGO TRAFFIC HANDLED AT SELECTED MINOR/INTERMEDIATE PORTS FOR 1991-92 & 1992-93

STATE/PORT	OVERSEAS				COASTAL				TOTAL			
	Unloaded		Loaded		Unloaded		Loaded		Unloaded		Loaded	
	: 1991-92 : 92-93	: 1991-92 : 92-93	: 1991-92 : 92-93	: 1991-92 : 92-93	: 1991-92 : 92-93	: 1991-92 : 92-93	: 1991-92 : 92-93	: 1991-92 : 92-93	: 1991-92 : 92-93	: 1991-92 : 92-93	: 1991-92 : 92-93	: 1991-92 : 92-93
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
MAHARASHTRA (CONTD.)												
Dharamtar	-	-	-	-	3	1	-	-	3	1	-	-
Dabhol	-	-	-	-	3	3	-	-	3	3	-	-
Jaigad	-	-	-	-	2	1	-	-	2	1	-	-
Vijaydurg	-	-	-	-	1	-	-	neg.	1	-	-	-
Deogad	-	-	-	-	1	-	-	-	1	-	-	-
Malwan	-	-	-	-	1	-	-	-	1	-	-	-
Others	-	-	-	-	-	-	-	-	-	-	-	-
GOA	-	-	-	1	6	88	6	124	6	88	6	124
Panaji	-	-	-	1	6	-	6	-	6	-	6	1
Daman & Diu	-	-	-	-	-	neg.	-	-	-	-	-	-
Daman	-	-	-	-	-	neg.	-	-	-	-	-	-
KARNATAKA	116	192	89	128	107	92	71	58	223	284	160	186
Karwar	101	160	56	67	78	86	2	6	179	246	58	73
Managalore	15	32	3	-	23	3	19	24	38	35	22	24
Belekeri	-	-	30	61	-	-	-	-	-	-	30	61
Tadri	-	-	-	-	-	-	6	3	-	-	6	3
Honawar	-	-	-	-	-	-	3	1	-	-	3	1
Kundapura	-	-	-	-	1	-	10	6	1	-	10	6
Malpe	-	-	-	-	5	3	31	18	5	3	31	18

3.1.10 CARGO TRAFFIC HANDLED AT SELECTED MINOR/INTERMEDIATE PORTS FOR 1991-92 & 1992-93

STATE/PORT	OVERSEAS				COASTAL				TOTAL			
	Unloaded	Loaded	Unloaded	Loaded	Unloaded	Loaded	Unloaded	Loaded				
	: 1991-92	: 92-93	: 1991-92	: 92-93	: 1991-92	: 92-93	: 1991-92	: 92-93				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
KERALA	-	-	86	90	9	6	35	29	9	6	121	119
Calicut/ Bey pore	neg.	-	3	-	9	6	27	23	9	6	30	23
Neendakara	-	-	83	90	-	-	-	-	-	-	83	90
Azhikkal	-	-	-	-	-	-	8	6	-	-	8	6
TAMIL NADU	182	248	3	12	-	-	-	-	182	248	3	12
Nagapattinam	54	69	3	-	-	-	-	-	54	69	3	-
Cuddalore	128	176	-	-	-	-	-	-	128	176	-	-
Colachel	-	-	-	12	-	-	-	-	-	-	-	12
Rameswarani	-	3	-	-	-	-	-	-	-	3	-	-
PONDICHERY	53	47	-	-	-	-	-	-	53	47	-	-
ANDHRA PRADESH	402	509	778	928	-	-	-	-	402	509	778	928
Kakinada	402	509	778	928	-	-	-	-	402	509	778	928
ORISSA	118	154	32	53	-	-	-	-	118	154	32	53
Gopalpur	118	154	32	53	-	-	-	-	118	154	32	53
SEA ISLANDS	-	-	-	-	238	238	99	99	238	238	99	99
A & N Islands	-	-	-	-	205	205	94	94	205	205	94	94
Lakshadweep	-	-	-	-	33	33	5	5	33	33	5	5

3.1.11 CARGO HANDLED AT MINOR/INTERMEDIATE PORTS
(1991-92 AND 1992-93) BY STEAMERS AND SAILING VESSELS (STATE WISE)
(In '000 tonnes)

STATE / PORT	OVERSEAS						COASTAL						TOTAL	
	Unloaded		Loaded		Unloaded		Unloaded		Loaded		Overseas & Coastal			
	1991-92	92-93	1991-92	92-93	1991-92	92-93	1991-92	92-93	1991-92	92-93	1991-92	92-93	1991-92	92-93
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)				
GUJARAT	2079	3029	2903	3526	2179	2105	1148	1024	8309	9684				
Steamers Sailing Vessels	2073	3021	2870	3475	2177	2101	1111	1005	8231	9602				
	6	8	33	51	2	4	37	19	78	82				
MAHARASHTRA	-	-	213	-	305	298	14	5	532	303				
Steamers Sailing Vessels	-	-	213	-	292	292	-	5	505	297				
	-	-	-	-	13	6	14	-	27	6				
GOA	-	-	-	-	6	88	6	124	12	212				
Steamers Sailing Vessels	-	-	-	-	6	88	6	124	12	212				
DAMAN & DIU	-	-	-	-	-	-	-	-	-	-				
Steamers Sailing Vessels	-	-	-	-	-	-	-	-	-	-				
KARNATAKA	116	192	89	128	107	92	71	58	383	470				
Steamers Sailing Vessels	101	192	85	128	98	86	-	7	284	413				
	15	-	4	-	9	6	71	51	99	57				
KERALA	-	-	86	90	9	6	35	29	130	125				
Steamers Sailing Vessels	-	neg.	83	90	5	-	-	-	88	90				
	-	-	3	-	4	6	35	29	42	35				

3.1.11 CARGO HANDLED AT MINOR/INTERMEDIATE PORTS (Contd.)
(1991-92 AND 1992-93) BY STEAMERS AND SAILING VESSELS (STATE WISE)
(In '000 tonnes)

STATE / PORT	OVERSEAS					COASTAL					TOTAL	
	Unloaded	Loaded	Unloaded	Loaded	Unloaded	Loaded	Unloaded	Loaded	Unloaded	Loaded	Overseas & Coastal	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)		
: 1991-92 : 92-93 : 1991-92 : 92-93 : 1991-92 : 92-93 : 1991-92 : 92-93 : 1991-92 : 92-93 : 1991-92 : 92-93												
TAMILNADU	182	248	3	12	neg.	-	-	-	185	260		
Steamers	182	248	3	12	-	-	-	-	185	260		
Sailing Vessels	-	-	-	-	-	-	-	-	-	-		
PONDICHERRY	53	47	-	-	-	-	-	-	53	47		
Steamers	53	47	-	-	-	-	-	-	53	47		
Sailing Vessels	-	-	-	-	-	-	-	-	-	-		
ANDHRA PRADESH	402	509	778	928	-	-	-	-	1180	1437		
Steamers	402	509	778	928	-	-	-	-	1180	1437		
Sailing Vessels	-	-	-	-	-	-	-	-	-	-		
ORISSA	118	154	32	53	-	-	-	-	150	207		
Steamers	118	154	32	53	-	-	-	-	150	207		
Sailing Vessels	-	-	-	-	-	-	-	-	-	-		
SEA ISLANDS	-	-	-	-	238	238	99	99	337	337		
Steamers	-	-	-	-	238	238	99	99	337	337		
Sailing Vessels	-	-	-	-	-	-	-	-	-	-		
Total	2950	4179	4104	4737	2844	2827	1373	1339	11271	13082		
Steamers	2929	4171	4064	4686	2816	2805	1216	1240	11025	12902		
Sailing Vessels	21	8	40	51	28	22	157	99	246	180		

3.1.12 - CARGO TRAFFIC HANDLED BY STEAMERS / SAILING VESSELS (PORT-WISE) 1992-93
(In tonnes)

STATE / SELECTED PORT	STEAMERS			SAILING VESSELS							TOTAL	
				COASTAL			OVERSEAS			COASTAL		
	UL	L		UL	L		UL	L		UL	L	
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.		
GUJARAT	3020648	3475628	2100752	1005142	8447	50572	3707	19096	9602170	81822		
Mandvi	22103	44900	-	-	-	-	-	-	67003	-		
Navlakhi	343847	79983	-	-	-	-	-	-	423830	-		
Bedi	496240	2122209	-	-	3197	1140	-	-	2618449	4337		
Sikka	465255	54360	-	82814	-	-	-	-	602429	-		
Okha	318331	139496	63999	13063	90	16989	-	-	534889	17079		
Porbunder	134919	674337	-	1010	98	7820	100	6746	810266	14764		
Veraval	247041	52472	9683	29561	-	-	-	-	338757	-		
Bhavnagar	568770	106648	-	-	-	-	-	-	675418	-		
Surat	398155	159111	2027070	212872	-	-	-	-	2797208	-		
Mundra	25650	-	-	-	5062	24623	-	-	25650	29685		
Jafrabad	-	42112	-	665822	-	-	5	686	707934	691		
Dahej	337	-	-	-	-	-	-	-	337	-		
Others	-	-	-	-	-	-	3602	11664	-	15266		
MAHARASHTRA	-	-	292480	5930	-	-	5851	277	298410	6128		
Ratnagiri	-	-	263766	4690	-	-	105	-	268456	105		
Redi	-	-	-	1240	-	-	-	-	1240	-		
Dharamtar	-	-	28525	-	-	-	1351	122	28525	1473		
Ravdanda	-	-	-	-	-	-	-	-	-	-		
Others	-	-	189	-	-	-	4395	155	189	4550		

Note : UL - Unloaded; L - Loaded.

3.1.12 - CARGO TRAFFIC HANDLED BY STEAMERS / SAILING VESSELS (PORT-WISE) 1992-93
(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.
GOA	-	-	88662	124693	-	-	-	-	213355	-
DAMAN & DIU	-	-	-	-	-	-	-	-	-	-
Daman	-	-	-	-	-	-	308	-	-	308
KARNATAKA	192307	127356	86476	7496	-	-	5619	50819	413635 •	56438
Belekeri	-	60895	-	-	-	-	-	-	60895	-
Karwar	160183	66461	86476	4551	-	-	2624	1906	317671	1906
Mangalore	32124	-	-	2945	-	-	2995	23626	32124	26250
Others	-	-	-	-	-	-	-	25287	2945	28282
TAMILNADU	247982	12470	-	-	-	-	-	-	260452	-
Cuddalore	176441	-	-	-	-	-	-	-	176441	-
Nagapattinam	68892	-	-	-	-	-	-	-	68892	-
Colachel	-	12470	-	-	-	-	-	-	12470	-
Valinokkam	2649	-	-	-	-	-	-	-	2649	-
PONDICHERY	46688	-	-	-	-	-	-	-	46688	-
ANDHRA PRADESH	509519	927333	-	-	-	-	-	-	1436852	-
Kakinada	509519	927333	-	-	-	-	-	-	1436852	-
Machilipatnam	-	-	-	-	-	-	-	-	-	-
Krishnapatnam	-	-	-	-	-	-	-	-	-	-
ORISSA	153755	52727	-	-	-	-	-	-	206482	-
Gopalpur	153755	52727	-	-	-	-	-	-	206482	-
LAKSHADWEEP	-	-	33430	4514	-	-	-	-	37944	-
ANDAMAN & NICOBAR	-	-	205711	94722	-	-	-	-	300433	-
TOTAL	4170899	4595514	2807511	1242497	8447	50572	15177	70192	12816421	144388

3.2.1 TREND OF PASSENGER TRAFFIC HANDLED AT MINOR/INTERMEDIATE PORTS

(In '000 Numbers)						
YEAR	OVERSEAS			COASTAL		TOTAL
	Emarked	Disembarked	Emarked	Disembarked	Emarked	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	69474	10391
1975-76	415	525	22299	22961	22714	23486
1980-81	829	996	23273	22330	24102	23326
1981-82	905	1012	23418	22067	24323	23079
1982-83	1027	1125	24272	24217	25299	25342
1983-84	649	888	24439	24522	25088	25410
1984-85	446	682	24582	24595	25028	25277
1985-86	-	-	53213	52363	53213	52363
1986-87	-	-	55261	55751	55261	55751
1987-88	91	-	78978	78829	79069	78829
1988-89	-	-	87188	87197	87188	87197
1989-90	-	-	83284	82655	83284	82655
1990-91	-	-	65040	62551	65040	62551
1991-92	-	-	70633	70426	70633	70426
1992-93	41	-	68553	66068	68594	66068

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

(In '000 Numbers)

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	1992-93
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
GUJARAT	263	470	385	750	244	283	283	596	10697	1056	1056	1602
Embarked	127	211	193	398	125	168	168	311	5329	531	531	827
Disembarked	136	259	192	352	119	115	115	285	5368	525	525	775
MAHARASHTRA	5995	17676	43503	42368	102429	107078	140304	155919	139701	121817	135137	128146
Embarked	2967	8715	21396	20939	51660	53356	70238	77968	70199	62236	67790	65396
Disembarked	3028	8961	22107	21429	50769	53722	70066	77951	69502	59581	67347	62750
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	7	-	-	20	20	36	33	33	39
Embarked	17	9	14	4 Neg.	Neg.	-	10	10	11	4	4	21
Disembarked	11	19	13	3 Neg.	Neg.	-	10	10	25	29	29	18

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	1992-93
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
TAMILNADU	293	972	922	1825	-	-	14021	14380	14494	-	-	42
Embarked	112	363	415	829	-	-	7051	7190	7247	-	-	42
Disembarked	181	609	507	996	-	-	6970	7190	7247	-	-	-
SEA-ISLANDS	...	...	672	1043	1431	1457	1683	1683	3288	4685	4833	4833
ANDAMAN GROUP	...	...	533	731	854	854	854	854	3288	4685	4833	4833
Embarked	...	...	256	341	375	375	375	375	1547	2269	2308	2308
Disembarked	...	...	277	390	479	479	479	479	1741	2416	2525	2525
LAKSHADWEEP GROUP	...	...	139	312	577	603	829	1029	1047	...	...	...
Embarked	...	...	67	156	278	302	410	517	509	...	...	...
Disembarked	...	...	72	156	299	301	419	512	538	...	...	...
ALL MINOR/INTERMEDIATE PORTS	6961	79945	46200	47428	105576	111012	157898	174385	169263	127591	141059	134662
Embarked	3427	69554	22715	24102	53213	55261	79069	87188	84842	65040	70633	68594
Disembarked	3534	10391	23485	23326	52363	55751	78829	87197	84421	62551	70426	66068

* 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

(Nos.)

Type of vessel/Year	Gujarat : Saurashtra	Mahara- : Saur	Goa	Daman & Diu	Karnat- : Katak	Kerala	Tamil : Nadu	Pondi- : chery	Andhra : Pradesh	Orissa	Sea : 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	0	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
1992-93	2030	1405	104	-	63	45	31	2	153	10	174
SAILING VESSELS											
1970-71	11492	15359	..	..	7846	1180	5381	..	..	-	..
1975-76	11447	9159	..	..	539	3867	155	45	..	-	311
1980-81	6910	5405	..	..	364	2226	582	24	..	-	311
1985-86	6537	8117	52	..	224	1151	373	53	10	-	311
1986-87	7634	7122	40	..	225	1012	336	54	6	-	221
1987-88	7850	7569	-	..	212	958	355	0	0	-	221
1988-89	7208	7569	-	..	212	871	313	21	-	-	221
1989-90	7208	19012	-	..	356	945	313	21	-	-	221
1990-91	5082	19150	16	..	253	821	481	44	-	-	221
1991-92	5179	19800	17	..	427	932	418	21	-	-	221
1992-93	2186	18390	11	..	255	1162	402	21	-	-	221
TOTAL											
1970-71	12133	15394	-	-	6029	1319	5661	25	124	-	-
1975-76	12184	10841	197	..	539	3949	638	107	127	-	312
1980-81	9353	7082	209	..	364	2393	594	29	148	-	489
1985-86	6307	9822	255	..	224	1184	385	58	136	-	485
1986-87	9427	8737	253	..	225	1045	344	58	111	1	395
1987-88	9386	8974	176	..	212	991	361	-	94	2	395
1988-89	8853	8974	176	..	212	912	370	-	123	4	395
1989-90	8865	20417	176	..	356	989	370	38	145	6	395
1990-91	6355	20555	192	..	253	877	522	48	128	5	395
1991-92	6378	21205	193	..	427	994	459	23	143	7	395
1992-93	4216	19795	115	..	255	1245	447	23	153	10	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	1992-93
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Gujarat	4211	4211	4211	4211	4612	4601	4601	4601	4601	4601	4601
Maharashtra	243	257	250	249	244	230	236	230	230	230	234
Goa	183	174	174	150	149	160	160	160	145	150	168
Daman & Diu	...	9	9	9	9	9	9	8	7	8	22
Karnataka	477	477	477	131	135	135	135	154	257	297	297
Kerala	291	291	291	401	410	930	930	930	1349	1349	1345
Tamilnadu	428	387	392	365	363	376	376	264	264	264	261
Pondicherry	75	75	75	75	75	75	75	120	119	119	114
Orissa	-	-	-	-	189	189	189	189	189	189	183
Andhra Pradesh	497	497	497	497	619	619	619	122	115	120	123
Andaman Group	...	...	...	...	...	...	...	...	1643	1663	1663
Lakshadweep Group	102	102	102	106	106	106	131	133	131	131	131
Total	6507	6480	6478	6194	6911	7430	7461	6911	9050	9121	9142

SECTION - IV

GENERAL TABLES

4.1.1 NAVIGATIONAL AIDS AND BERTHS AT PORTS
(State-wise as on 31.3.1993)

Maritime States/ U.Ts.	General Light house	Light buoy	VHF/HF RT set.	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	4	3	6	1	3	-
Maharashtra	16	-	4	-	2	-	-	1	1
Goa, Daman & Diu	2	-	-	-	1	-	-	-	-
Karnataka	5	-	2	-	1	-	-	-	-
Kerala	15	-	-	-	1	1	-	-	-
Tamilnadu	11	-	-	-	1	1	-	-	-
Pondicherry	1	-	-	-	1	-	-	-	-
Andhra Pradesh	12	-	-	-	3	-	-	-	-
Orissa	5	-	5	2	2	-	-	-	-
West Bengal	1	-	3	-	1	-	-	-	-
Andaman & Nicobar Islands	22	-	-	-	2	2	-	-	1
Lakshadweep	14	-	-	-	2	2	-	-	-
Total	158	12	40	6	20	12	1	4	2

Source :- Department of Lighthouses & Lightships.

4.1.2 INTERNATIONAL MARITIME TRANSPORT - MONTHLY AVERAGE CARGO
LOADED AND UNLOADED IN EXTERNAL TRADE

(In million tonnes)

COUNTRY	:										
	UNLOADED					LOADED					
	1988	1989	1990	1991	1992	1988	1989	1990	1991	1992	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	
PANAMA	5.59	5.35	5.59	5.27	5.27	7.52	7.63	7.89	8.34	8.24	
PHILIPPINES	2.21	2.39	2.64	2.53	...	1.15	1.09	1.18	1.18	...	
POLAND	1.52	1.42	1.04	1.08	1.27	2.67	2.28	2.56	2.08	2.11	
SINGAPORE	7.01	8.11	8.85	9.71	11.37	4.82	6.30	6.80	7.48	8.44	
SOUTH AFRICA	1.12	1.13	...	...	...	6.93	7.99	...	...	...	
SPAIN	8.80	9.73	10.16	10.86	11.16	3.44	3.31	3.36	3.36	3.40	
SWEDEN	4.60	4.66	4.58	4.46	4.60	3.72	3.68	3.72	3.79	3.90	
TURKEY	4.04	3.62	4.59	6.41	4.35	7.10	11.51	5.28	3.51	2.21	
UNITED KINGDOM	13.31	14.03	14.17	14.30	14.69	10.76	9.57	10.37	10.69	11.15	
UNITED STATES	38.45	41.16	41.27	37.41	40.29	30.10	31.76	31.00	32.46	32.69	
YUGOSLAVIA	1.74	1.76	1.32	0.85	...	0.74	0.65	0.73	0.71	...	

SOURCE (EXCEPT INDIA) : MONTHLY BULLETIN OF STATISTICS (U.N.) - February, 1994.

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 1992-93

Year	Total exports including Re-exports	Share in Exports (in per- centage)	Total Imports	Share in Imports (in per- centage)	Share of Sea borne trade to total Foreign Trade (in percentage)
(1)	(2)	(3)	(4)	(5)	(6)
1980-81	6711	79.1	12549	90.8	86.7
1981-82	7806	79.2	13606	91.9	87.2
1982-83	8803	79.0	14293	86.5	83.7
1983-84	9771	74.4	15831	85.4	81.2
1984-85	11744	77.3	17134	87.7	83.6
1985-86	10895	71.7	19658	87.9	82.2
1986-87	12569	65.8	20201	82.7	76.1
1987-88	15674	62.1	22244	77.2	71.0
1988-89	20232	59.7	28235	72.9	67.4
1989-90	27681	59.5	35416	69.6	65.2
1990-91	32553	67.3	43193	81.1	75.1
1991-92	44042	66.6	47851	80.8	74.0
1992-93	34821	64.9	49457	78.0	72.0

Source: i) Ministry of Commerce.
ii) RBI Publication, Report on Currency and Finance.

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

Port	1991-92 (%)			1992-93 (%)		
	(1)	(2)	(3)	(4)	(5)	(6)
MAJOR PORTS		50.4	22.4	37.5	45.2	19.9
Kandla		47.8	13.5	41.7	42.4	3.5
Bombay		45.9	49.9	47.5	43.9	41.5
J.N.P.T.		..	..	..	30.9	0.8
Mormugao		7.7	5.8	6.0	34.5	6.9
N. Mangalore		25.1	20.4	20.8	36.1	25.4
Cochin		66.8	4.2	57.4	63.0	2.0
Tuticorin		36.3	15.4	29.3	33.9	10.7
Madras		53.0	18.5	33.3	37.5	11.1
Vizag		68.0	22.9	48.4	60.4	35.5
Paradip		19.6	66.2	39.0	25.5	58.6
Haldia		65.6	46.7	65.4	51.7	24.5
Calcutta		16.1	35.3	23.0	17.7	21.9
MINOR PORTS		24.7	11.2	17.1	26.0	12.6
All Ports		48.8	22.1	37.0	44.1	19.1

Note:- Data in respect of J.L. Nehru and Paradip Ports are provisional.

4.1.5 OUTLAY / EXPENDITURE IN PORTS DURING SEVENTH/EIGHTH PLAN
AND ANNUAL PLAN/EXPENDITURE

(Rs. Crores)

PORTS	VIIITH PLAN		1990-91		1991-92		VIIIITH PLAN		1992-93		1993-94@	
	Out-	Expdr.	Out-	Expdr.	Out-	Expdr.	Outlay	Out-	Expdr.	Out-	Expdr.	
	lay		lay		lay			lay		lay		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
Kandla	28.15	32.89	31.49	10.85	55.00	8.89	226.00	40.00	11.08	37.78	8.52	
Bombay	106.13	71.03	43.12	12.19	40.00	21.73	413.00	70.43	23.79	86.00	38.45	
J.L. Nehru	402.36	813.81	112.10	38.80	65.00	22.08	215.00	53.30	20.32	63.00	15.12	
Mormugao	25.30	16.09	5.76	3.52	7.10	1.59	123.00	11.76	8.24	13.00	16.32	
New Mangalore	18.40	20.32	5.48	2.02	8.56	4.45	98.00	4.91	2.22	6.00	2.51	
Cochin	56.25	49.54	50.00	26.78	37.03	32.42	117.00	42.17	18.92	47.00	15.07	
Tuticorin	18.75	12.56	6.10	2.10	8.95	6.13	65.00	17.05	7.00	19.00	11.08	
Madras	67.15	76.32	41.88	33.38	55.00	7.15	570.00	34.89	18.24	23.56	19.87	
Visakhapatnam	50.95	50.39	40.00	14.85	59.79	20.64	250.00	65.57	40.10	71.00	40.17	
Paradip	42.40	45.29	9.61	8.45	40.00	18.29	486.00	67.00	28.35	75.00	39.22	
Calcutta*	138.95	85.15	126.44	33.15	113.00	56.42	421.00	130.58	39.86	143.00	37.77	
Others **	150.00	68.14	48.80	24.21	30.57	9.63	232.00	72.30	20.45	37.20	43.40	
TOTAL	1104.79	1341.53	520.78	210.30	520.00	209.42	3216.00	609.96	238.57	621.54	287.50	

@ Provisional.

* Includes Haldia, B.HRTW and Jirgharkhali flat.

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

Source: Documents of MOST on plan for Port Sector and IPA statements.

4.1.6 TRANSPORT SECTOR - OUTLAY AND EXPENDITURE UNDER THE PLANS

(In Crores)

Sector	Fifth Plan (1974-79)		Sixth Plan (1980-85)		Seventh Plan (1985-90)		Eighth Plan (1992-97)		Annual Plan (1992-93)		Annual Plan (P) (1993-94)	
	Out- lay	Expen- diture	Out- lay	Expen- diture	Out- lay	Expen- diture	Out- lay	Expen- diture	Out- lay	Expen- diture	Out- lay	Expen- diture
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1. Railway	2202	2063	5100	6587	12334	16437	27202	5700	5710	5710	6900	6900
2. Roads	1353	1701	3439	3807	5200	6211	12833	2271	2046	2046	2749	2749
3. Road Transport	461	503	1196	1276	1990	2165	4119	641	514	514	720	720
4. Ports (including minor ports)	571	488	647	604	1230	1489	3557	697	484	484	695	695
5. Shipping	450	469	755	535	827	1134	3669	1296	636	636	1165	1165
6. I.W.T.	32	16	72	63	226	195	331	56	29	29	56	56
7. Light Houses & Light ships.	14	9	12	12	30	*	57	*	*	*	*	*
8. Civil Air Transport	337	294	859	957	2040	1954	4083	1050	1052	1052	1614	1614
9. Other Transport @	-	-	-	-	-	-	239	33	36	36	47	47
10. Total Transport Sector	5420	5543	12080	13841	23877	29585	56090	11744	10507	10507	13946	13946
11. Share of Ports & LH & LS in the transport sector	10.8%	9.0%	5.5%	4.5%	5.3%	5.0%	6.4%	5.9%	4.6%	4.6%	5.0%	5.0%

* : Included in Ports.

@ : Farakka Barage & Hooghly River Training projects.

Source: 1. Eighth Five Year Plan; 1992-97, Vol. II, Planning Commission
2. Compendium of Transport Statistics, January 1993, Planning Commission.
3. Annual Plan, 1993-94, Planning Commission.

DEFINITIONS OF TERMS USED

1. Load Line
: The outer line on the body of a ship upto which she submerges in water with safety. It varies according to the seasons and waters in which she plies.
2. Draft
: The depth necessary to submerge a ship to their load line.
3. Dead Weight Tonnage (DWT)
: It is the number of tons of (2240 pounds) stores, fuel and cargo that a ship can transport. This presents the actual carrying capacity of a ship.
4. Gross Registered Tonnage (GRT)
: It applies to the vessels and not to cargo. It is the weight of the volume occupied by the closed-in-spaces of a ship taking 100 cubic feet of such closed-in-spaces as equivalent to one vessel ton. It thus refers to the cubic capacity of the vessels.
5. Net Registered Tonnage (NRT)
: It refers to the earning space capacity of a ship available for the storage of cargo and accommodation of passengers. It is obtained by deducting from GRT the cubic capacity space (taking 100 cubic feet = 1 ton) occupied by stores, fuel, machinery, crew etc. which does not represent the earning capacity of the ship.
6. Ore/Oil and Bulk Carrier
: 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/dismarked or cargo exports/imports.

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