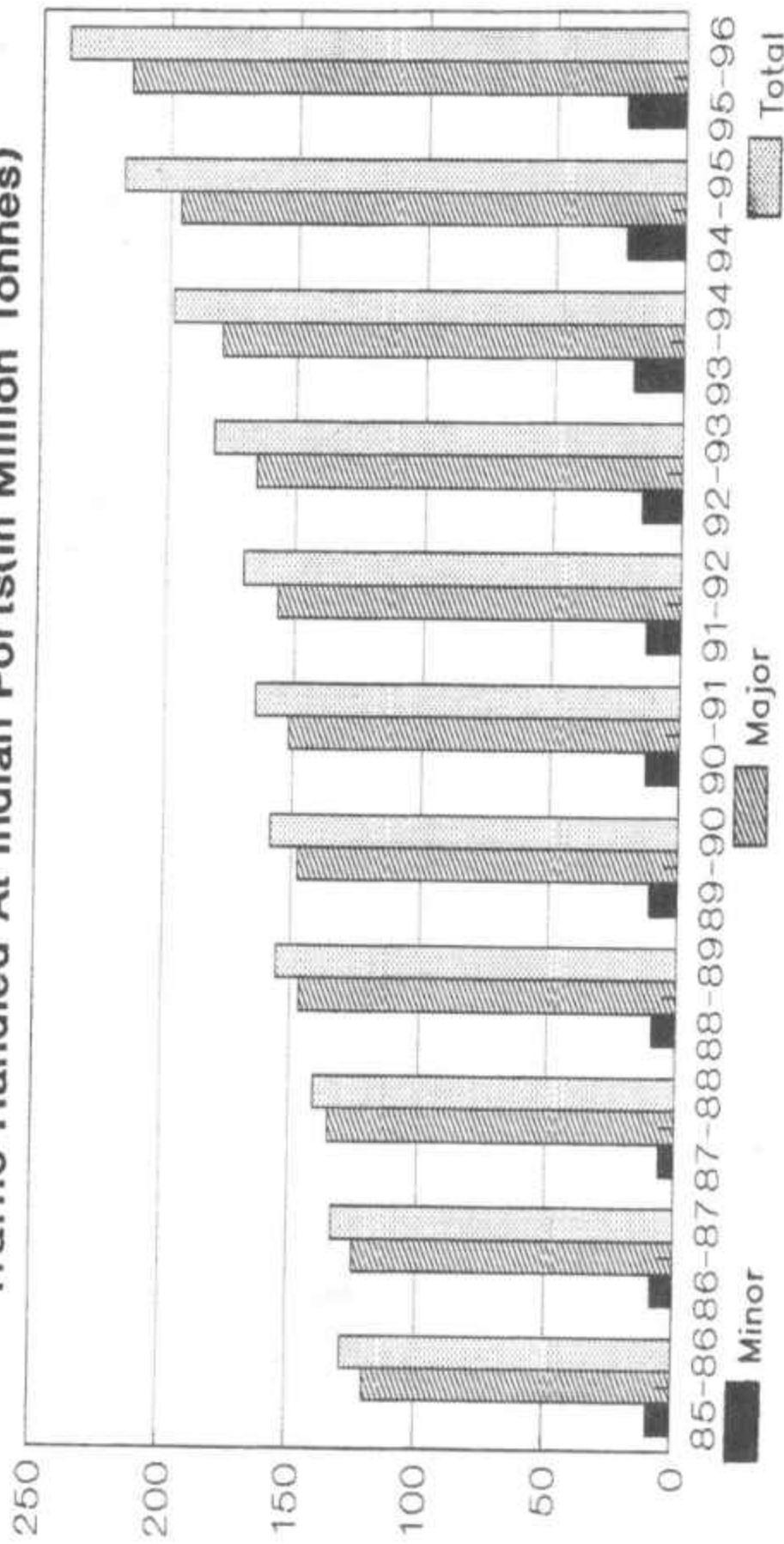


Basic Port Statistics of India (1995-96)

Traffic Handled At Indian Ports(In Million Tonnes)



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

BASIC PORT STATISTICS OF INDIA (1995-96)

26

PREFACE

"Basic Port Statistics of India" provides comprehensive and detailed statistics on ship/cargo traffic handled at Indian ports, port facilities, origin/destination of overseas traffic, employment and finances of the various ports, their performance etc. The present publication gives data upto 1995-96; the detailed data is, however, limited to 1994-95. Brief notes on major ports in India and their performances alongwith supportive graphs have also been included in this publication.

The sources of data are the Annual Administration Reports of Major Ports and their MIS returns. The data for the year 1995-96 have been compiled mostly from statements furnished by Indian Ports Association. For the first time, information on containers handled at the world ports and analysis of average pre-berthing detention are given in this publication. A separate section has been given on Minor Ports which are in the State Sector and are funded by the respective State Govt. Considering the growing importance of the minor ports, new tables have been added giving performance indicators and facilities available at these ports.

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

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

New Delhi
January, 1997

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C O N T E N T S

Table

Page No.

Port Organisation in India

i - vi

Performance of Ports at a Glance 1995-96

vii - viii

Table - I Number of Major and Minor Ports in the Maritime States - 1995-96 1

Table - II Port Capacities as on 31.3.96 2

Table - III Major Ports - Capacity and Traffic - 1995-96 3 - 4

Table - IV Traffic Handled at Major Ports of Selected Commodities - 1995-96 5

Table - V Traffic handled at Major Ports in India
(Overseas and Coastal) - 1995-96 6

Table - VI Cargo Traffic at Minor/Intermediate Ports - 1995-96 7

Table - VII Month-wise vessels arrived, sailed and traffic handled during
1995-96 8 - 11

Table - VIII Selected Port Performance Indicators (Port-wise) - 1995-96 12 - 13

Table - IX Average Pre-berthing Time - 1995-96 (Major Ports) 14

Table - X Average Turn Round Time - 1995-96 (Major Ports) 15

Table - XI Average Non-working Time at Berth - 1995-96 (Major Ports) 16

Table - XII Output per Ship Berth Day - 1995-96 (Major Ports) 17

PORT SECTOR AT A GLANCE

18 - 20

SECTION - I (MAJOR / MINOR PORTS)

1.1 SUMMARY TABLES

1.1.1	Trend of cargo traffic handled at Indian Ports	21
1.1.2	Cargo handled at Ports - By States	22 - 26
1.1.3	Cargo unloaded (Overseas and Coastal) at Ports - By States	27 - 30
1.1.4	Cargo loaded (Overseas and Coastal) at Ports - By States	31 - 34

SECTION - II (MAJOR PORTS)

2.1 PORT FACILITIES

2.1.1	Topography of Major Ports	35 - 36
2.1.2	Details of berths at Major Ports	37 - 43
2.1.3	Storage facilities at Major Ports	44 - 47
2.1.4	Performance of Cargo Handling Equipments at Major Ports	48 - 49

2.2 CARGO TRAFFIC

2.2.1	Growth of cargo traffic handled at Major Ports (1960-61 to 1994-95)	50
2.2.2	Cargo traffic handled at various Major Ports (1951-52 to 1994-95)	51
2.2.3	Cargo traffic (commodity-wise) handled at Major Ports (1950-51 to 1994-95)	52
2.2.4	Cargo traffic (commodity-wise) handled at Kandla Port (1960-61 to 1994-95)	53
2.2.5	Cargo traffic (commodity-wise) handled at Mumbai Port (1950-51 to 1994-95)	54
2.2.5(a)	Cargo traffic (commodity-wise) handled at J.L. Nehru Port (1989-90 to 1994-95)	55
2.2.6	Cargo traffic (commodity-wise) handled at Mormugao Port (1950-51 to 1994-95)	56
2.2.7	Cargo traffic (commodity-wise) handled at New Mangalore Port (1980-81 to 1994-95)	57

Table

Page No.

2.2.8	Cargo traffic (commodity-wise) handled at Cochin Port (1950-51 to 1994-95)	58
2.2.9	Cargo traffic (commodity-wise) handled at Tuticorin Port (1980-81 to 1994-95)	59
2.2.10	Cargo traffic (commodity-wise) handled at Madras Port (1950-51 to 1994-95)	60
2.2.11	Cargo traffic (commodity-wise) handled at Visakhapatnam Port (1950-51 to 1994-95)	61
2.2.12	Cargo traffic (commodity-wise) handled at Paradip Port (1970-71 to 1994-95)	62
2.2.13	Cargo traffic (commodity-wise) handled at Calcutta/Haldia Port (1950-51 to 1994-95)	63
2.2.14	Cargo traffic (Overseas/Coastal) at various Major Ports (1975-76 to 1994-95)	64 - 65
2.2.15	Cargo traffic (Unloaded/Loaded) at various Major Ports (1975-76 to 1994-95)	66 - 67
2.2.16	Cargo traffic handled at Major Ports in India (1965-66 to 1994-95)	68 - 73
2.2.17	Overseas Traffic (Principal Commodities) handled at Major Ports (1992-93 to 1994-95)	74 - 85
2.2.18	Coastal Traffic (Principal Commodities) handled at Major Ports (1992-93 to 1994-95)	86 - 90
2.2.19	Overseas Traffic (Import) in Principal Commodities by country of origin (1994-95)	91 - 98
2.2.20	Overseas Traffic (Export) in Principal Commodities by country of destination (1994-95)	99 - 106
2.2.21	Container Traffic (Indian Lines/Foreign Lines) handled at Major Ports (1986-87 to 1994-95)	107
2.2.22	Container Traffic handled at Major Ports (1990-91 to 1994-95)	108
2.2.22(a)	Containerised Cargo as well as Tare Weight of Container, 1994-95	109
2.2.23	Container Traffic handled at Major Ports (Type-wise) (1992-93 to 1994-95)	110 - 117
2.2.24	Level of containerisation in the general cargo at various Major Ports (1993-94 & 1994-95)	118
2.2.25	Commodity wise break up of Container Cargo as well as General Cargo and level of Containerisation at Major Ports (Export) (1993-94 & 1994-95)	119

2.2.26	Commodity wise break up of Container Cargo as well as General Cargo and level of Containerisation at Major Ports (Import) (1993-94 & 1994-95)	120
2.2.27	Commodity wise break up of Container Cargo as well as General Cargo and level of Containerisation at Major Ports (Port wise) (1993-94 & 1994-95)	121 - 130
2.3	PASSENGER TRAFFIC	
2.3.1	Passenger Traffic at Major Ports in India (1960-61 to 1994-95)	131 - 135
2.4	SHIP TRAFFIC	
2.4.1	Number and Size of Ships Performed - By Ports (1988-89 to 1994-95)	136 - 139
2.5	PORT CAPACITIES	
2.5.1	Port-wise, Commodity-wise Capacities (As on 31.3.94, 31.3.95 & 31.3.96)	140
2.6	PORT PERFORMANCE INDICATORS	
2.6.1	Selected Port Performance Indicators	141
	Types of vessels (1993-94 & 1994-95)	
2.6.2	Selected Port Performance Indicators (1993-94 & 1994-95)	142
2.6.3	Number of vessels sailed by Type & Port (1993-94 & 1994-95)	143
2.6.4	Average Pre-berthing detention by Type & Port (1993-94 & 1994-95)	144
2.6.4(A)	Distribution of Pre-berthing Delay According to Reasons (1994-95)	145 - 148
2.6.4(B)	Pre-berthing Detention in Respect of POL-Crude & Products (1994-95 and 1995-96)	149
2.6.5	Average Turn Round Time by Type & Port (1993-94 & 1994-95)	150
2.6.6	Percentage of Idle Time to Time at Berth by Type & Port (1993-94 & 1994-95)	151
2.6.7	Output per Ship Berth Day (Tonnes) by Type & Port (1993-94 & 1994-95)	152
2.6.8	Average Berth Occupancy at Major Ports (1988-89 to 1994-95)	153
2.6.9	Utilisation of Cargo Handling Equipments (1987-88 to 1995-96)	154 - 158

Table

Page No.

2.7	EMPLOYMENT		
2.7.1	Employment at Ports - By Ports (1984 to 1995)		159
2.7.2	Number of Dock Workers Registered with DLB's at Major Ports (1984 to 1995)		160
2.7.3	Number of Dock Workers listed with Major Ports (1983 to 1995)		161
2.7.4	Employment at Ports - By Ports and Classes (As on 31.12.1995)		162
2.7.5	Employment at DLB's of Major Ports (As on 31.12.1995)		163
2.7.6	Mandays Lost per thousand Mandays Employed (1991 to 1995)		164
2.8	FINANCIAL PERFORMANCE		
2.8.1	Revenue and Expenditure at Major Ports (1984-85 to 1994-95)	165 -	171
2.8.2	Net and Operating Surplus at Major Ports (1984-85 to 1994-95)	172 -	173
2.8.3	Operating ratio at Major Ports (1984-85 to 1994-95)		174
2.8.4	Income, Cost and Surplus/Deficit per tonne of cargo handled (1992-93 to 1994-95)		175
3.1	CARGO TRAFFIC		
3.1.0	List of Minor Ports	176 -	177
3.1.1	Growth of Cargo Traffic handled at Minor/Intermediate Ports (1980-81 to 1994-95)		178
3.1.2	State-wise Cargo (Overseas/Coastal) at Minor/Intermediate Ports (1975-76 to 1994-95)	179 -	180
3.1.3	State-wise Cargo (Unloaded/Loaded) at Minor/Intermediate Ports (1975-76 to 1994-95)	181 -	182
3.1.4	Cargo Traffic handled at Minor/Intermediate Ports (State-wise) (1975-76 to 1994-95)	183 -	189
3.1.5	Transshipment Traffic at Minor Ports (1992-93 to 1994-95)		190
3.1.6	Overseas Traffic handled in Principal Commodities (1992-93 to 1994-95)	191 -	193
3.1.7	Coastal Traffic handled in Principal Commodities (1992-93 to 1994-95)	194 -	196
3.1.8	Overseas Cargo Traffic at Selected Minor/Intermediate Ports (1993-94 & 1994-95)	197 -	200

SECTION - III (MINOR/INTERMEDIATE PORTS)

TablePage No.

3.1.9	Coastal Cargo Traffic at Selected Minor/Intermediate Ports (1993-94 & 1994-95)	201 - 203
3.1.10	Cargo Traffic handled at Minor/Intermediate Ports (1993-94 & 1994-95)	204 - 206
3.1.11	Cargo handled - By Steamers and Sailing Vessels - State-wise (1993-94 & 1994-95)	207 - 208
3.1.12	Cargo Traffic handled - By Steamers/Sailing Vessels - Port-wise (1994-95)	209 - 211
3.2	PASSENGER TRAFFIC	
3.2.1	Passenger Traffic handled at Minor/Intermediate Ports (1975-76 to 1994-95)	212
3.2.2	Trend of Passenger Traffic Overseas/Coastal - By States (1975-76 to 1994-95)	213 - 214
3.3	SHIP TRAFFIC	
3.3.1	Number of Steamers/Sailing Vessels at Minor/Intermediate Ports in various Maritime States (1989-90 to 1994-95)	215
3.4	EMPLOYMENT	
3.4.1	Employment at Minor Ports (1994-95)	216
3.5	PORT FACILITIES	
3.5.1	Physical Performance (1993-94 and 1994-95)	217 - 218
3.5.2	Equipment Available At Various Minor Ports	219 - 225
3.5.3	Draft At Ports (As On 31.3.1995)	226 - 238

SECTION - IV

4.1 GENERAL TABLES

4.1.1	Navigational Aids and Berths at Ports (As on 31st March, 1995)	239
4.1.2	International Maritime Transport Monthly-Average Cargo Loaded/Unloaded in External Trade (1989 to 1994)	240 - 241
4.1.3	Estimated Share of Foreign Trade by sea in the Total Foreign Trade in India (1981-82 to 1995-96)	242
4.1.4	Value of India's Foreign Trade (1994-95 and 1995-96)	243 - 244
4.1.5	Commodity-wise Exports	245
4.1.6	Value of India's Foreign Trade (1994-95 and 1995-96)	246 - 250
4.1.7	Commodity-wise Imports	251
4.1.8	Exports and Imports in Value Terms (1995-96) Destination-wise Percentage Share of Indian Flag in the Overseas Cargo Traffic at Ports (1993-94 & 1994-95)	252
4.1.9	Outlay/Expenditure on Port Sector (Central) during the Eighth Plan and Annual Plans	253 - 254
4.1.10	Outlay and Expenditure on Minor Ports	255 - 257
4.1.11	Container Throughput At the World's Top 100 Container Ports	258 - 259
4.1.12	List of Important International Ports	260
4.1.13	Transport Sector - Outlay and Expenditure under the Plans	260(a)
	India's Overseas Trade During 1995-96(Flag-Wise)	261 - 263
	Definitions of Terms used	

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
MBPT	: Mumbai Port Trust
KPT	: Kandla Port Trust
Mech.	: Mechanical
Conv.	: Conventional

PORT ORGANISATION IN INDIA

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

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

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

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

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

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

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

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

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

9. As regards the capacity of a Port it is the aggregate of capacity of individual berths depending upon the type of commodity handled at that berth. There are a wide range of factors which influence the capacity of the berths. Portwise as well commoditywise break-up of capacity for the years 1994-95 & 1995-96 are as under:-

(In Million Tonnes)

Port	Port capacity as on	
	31.3.95	31.3.96
1. Calcutta and Haldia	23.78	23.78
2. Paradip	7.65	8.55
3. Visakhapatnam	23.35	23.65
4. Chennai	22.07	22.07
5. Tuticorin	6.10	6.10
6. Cochin	11.26	13.26
7. New Mangalore	10.00	10.00
8. Mormugao	16.30	16.30
9. Mumbai	26.80	26.80
10. Kandla	20.80	20.80
11. J.N.P.T.	5.90	5.90
All Ports	174.01	177.21

(iii)

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

(In Million Tonnes)

Commodity	Capacity as on	
	<u>31.3.95</u>	<u>31.3.96</u>
1. POL	78.00	80.00
2. Iron ore	41.50	41.50
3. Coal	8.00	8.00
4. Fertilizer & its raw material	7.95	7.95
5. Others incl. Containers	38.56	39.76
Total All Ports	<u>174.01</u>	<u>177.21</u>

(iv)

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

- (1) Leasing out existing assets of the port.
- (2) Construction/creation of additional assets, such as :
 - (a) Construction and operation of container terminals
 - (b) Construction and operation of bulk, break-bulk, multipurpose and specialised cargo berths.
 - (c) Warehousing, container freight stations, storage facilities and tank farms.
 - (d) Cranes/Handling Equipment.
 - (e) Setting up of Captive Power Plants.
 - (f) Dry docking and ship-repair facilities.
- (3) Leasing of equipment for port handling and leasing of floating crafts from the private sector.
- (4) Pilotage.
- (5) Captive facilities for Port based industries.

The salient features of the guidelines are as under:

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

(g) The tariff will be revised by suitably every three years on the basis of rise in wages, operational cost, inflation etc.

(h) Private sector participation will be on the basis of open competitive bidding.

(i) The criteria for evaluation in taking on lease equipments/port crafts by Port Trusts, and for pilotage will be the least cost to the ports.

(j) There will be no adverse effect on port labour. No retrenchment will be done without the concurrence of labour and only in accordance with Industrial Disputes Act and relevant labour laws. Lessee will be bound by all the labour laws of the country.

(k) There will be total transparency in inviting bids following the two cover system.

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

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

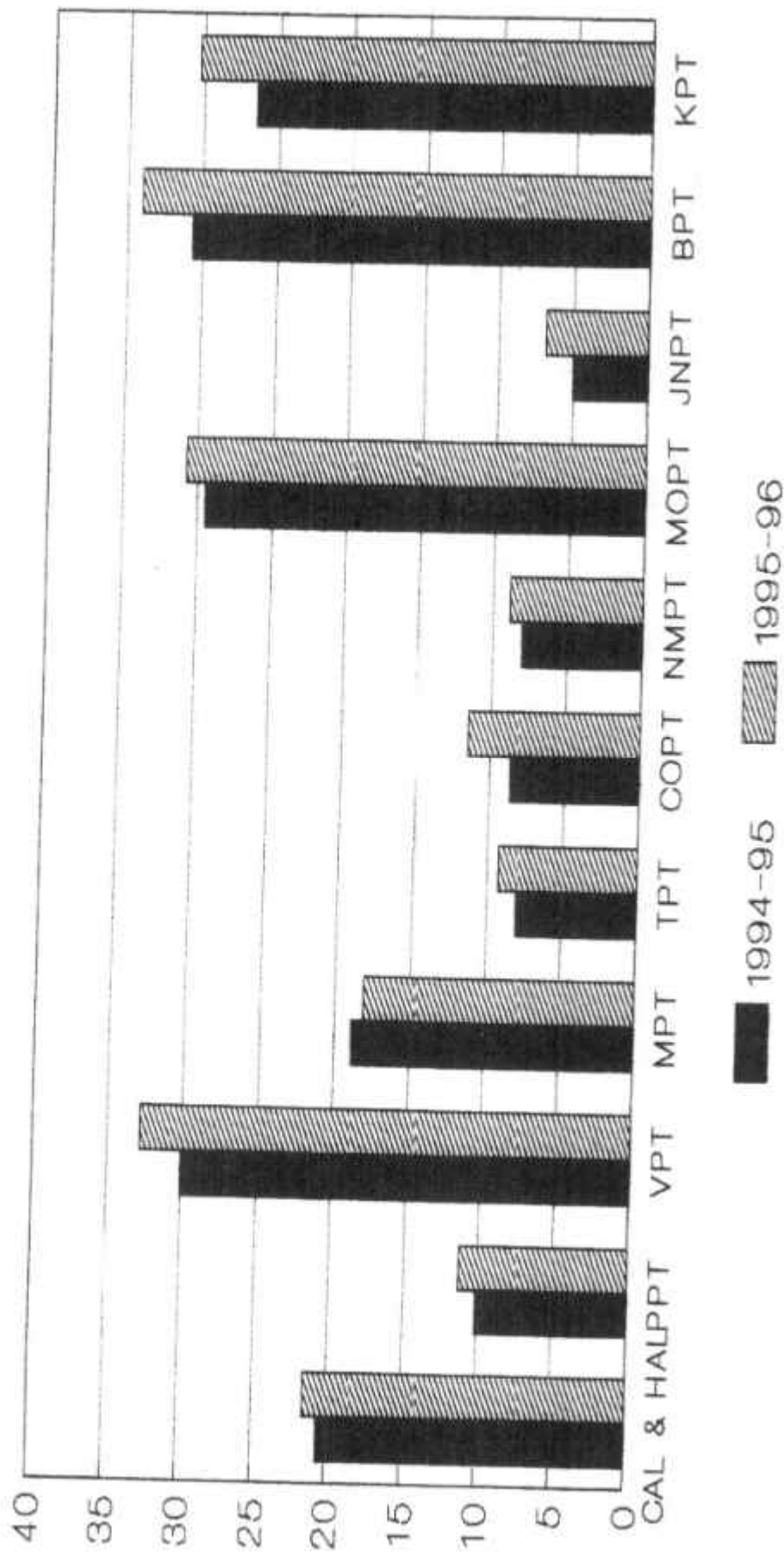
The Central Government will also encourage innovative unsolicited proposals in the port sector put forward by private entrepreneurs and such proposals will be evaluated by a Committee set up for the purpose. An independent Regulatory Authority to fix and revise port tariffs has been established.

In order to achieve the above objectives, further delegation of financial and administrative powers have been given by Government to Port Trusts on the lines of MOU signing PSUs.

**PERFORMANCE
OF
MAJOR PORTS
1995-96**

Traffic Handled At Major Ports

(In Million Tonnes)



Performance of Ports During 1995-96

There are 11 major Ports and 179 minor/intermediate Ports in the country. The salient features of the performance of the ports for the year 1995-96 are described below :

(A) TRAFFIC HANDLED

All ports handled 239.8 million tonnes during 1995-96 registering a growth of 11.2% compared to the previous year. While the increase in traffic at the major ports was 9.9%, minor ports accounted for a higher traffic growth of 10.3%. All major ports except Mormugao showed a surge in traffic handled during 1995-96 compared to the previous year. Commodities like POL, Coal and Fertilizers registered increase while Iron Ore, Fertilizer Raw Material and others showed a decline in 1995-96 over 1994-95. Both the container traffic and its share in total traffic increased during this period.

In case of Minor Ports, increase was mainly at the ports of Gujarat, Andhra Pradesh and Maharashtra.

(B) PERFORMANCE INDICATORS

(i) Average Pre-berthing detention

This has increased from 2.4 days during 1994-95 to 3.4 days during 1995-96. It declined at New Mangalore, Tuticorin and Mormugao Ports.

(ii) Average Turn-Round Time

This has increased from 6.7 days in 1994-95 to 8.5 days during 1995-96. However, it declined at Calcutta, New Mangalore and Mormugao Ports.

(iii) Output per ship berth day

The output per ship berthday has increased from 3968 tonnes during 1994-95 to 4030 tonnes during 1995-96. This has increased at all ports except Haldia, Visakhapatnam, Mormugao and Mumbai Ports.

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

The idle time to the time at working berth has declined from 36% during 1994-95 to 30% during 1995-96. The performance in respect of this indicator shows improvement at all ports except at Calcutta and J.L. Nehru.

(vii)

(C) AVAILABILITY AND UTILISATION OF CARGO HANDLING EQUIPMENT

(i) Wharf Cranes

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

(ii) Mobile Cranes

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

(iii) Fork Lift Trucks

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

(D) FINANCIAL PERFORMANCE

The operating surplus at major ports during 1994-95 was Rs. 760 crore compared to Rs. 669 crore during 1993-94, an increase of 14%. The operating surplus has increased in all ports except Mumbai, Mormugao, Tuticorin and Chennai. Accordingly, the operating ratio at major ports exhibits decline during this period in all ports except the ports where operating surplus has decreased. In case of J.L.Nehru and Visakhapatnam both operating surplus and operating ratio increased since its income and expenditure increased during 1994-95.

TABLE - I

Number of Major and Minor Ports
in the Maritime States -- 1995-96

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

TABLE - II

Port Capacities as on 31-3-96

(In Million Tonnes)

Commodity	Calcutta	Haldia	Paradip	Vizag	Madras	Tuticorin	Cochin	New Mangalore	Mormugao	Mumbai	Kandla	JLNehr	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)	10.50 (3)	1.00 (1)	1.50 (1)	18.00 (5)	17.00 (2+SBM)	-	80.00 (26+SBM)
Iron Ore	-	-	4.00 (1)	8.00 (1)	8.00 (1)	-	-	7.50 (1)	14.00 (1+trans-)	-	-	-	41.50 (5+trans-)
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)	1.43 (3)	2.55 (6)	3.80 (13)	3.65 (15)	2.00 (6)	1.40 (9)	1.50 (6)	0.80 (3)	7.55 (44)	3.30 (9)	-	30.78 (135)
Containers	1.55 (2)	0.30 (1)	-	-	1.92 (2)	-	0.96 (2)	-	-	1.25 (3)	-	3.00 (3)	8.98 (13)
Total	6.75 (32)	17.03 (9)	8.55 (8)	23.65 (18)	22.07 (20)	5.10 (9+Bzone)	13.26 (15)	10.00 (8)	16.30 (5 + trans-hippers)	26.80 (52)	20.80 (12 + SBM)	5.90 (5)	177.21 (193+ SBM+trans-hippers)

Note:- 1) Increase in Capacity during 95-96 shown below

1) Paradip G.C.

0.38 MT

ii) Vizag General Cargo

0.13 MT

(iii) Cochin (POL)

2.00 MT

② The port capacity was recently reassessed at 205 million tonnes by the working group for IX Plan.

Figures in Brackets indicate number of berths.

SBM: Single Buoy Mooring.

Source:- Development Wing, MOST.

TABLE - III

Major Ports - Capacity and Traffic -- 1995-96

(In Million Tonnes)

Port	1.	2.	3.	4.	5.	6.	7.	8.	9.
		Capacity/ Traffic	POL	Iron Ore	Coal	Ferti- liser & FRM	Other Cargo	Contai- ner	Total
Calcutta		Capacity Traffic	2.40 2.52	- -	- -	- 0.21	2.80 1.58	1.55 1.82	6.75 6.13
Haïdia		Capacity Traffic	8.50 8.14	- -	5.00 5.80	1.80 0.32	1.43 1.08	0.30 0.05	17.03 15.39
Paradip		Capacity Traffic	- 1.07	4.00 1.69	- 6.06	2.00 0.50	2.55 1.94	- -	8.55 11.26
Visakhapatnam		Capacity Traffic	11.50 12.54	8.00 5.71	- 8.14	0.35 1.98	3.80 4.36	- 0.09	23.65 32.82
Madras		Capacity Traffic	8.50 11.57	8.00 4.91	- 7.52	- 1.34	3.65 3.07	1.92 2.31	22.07 30.72
Tuticorin		Capacity Traffic	1.10 0.44	- -	3.00 5.62	- 0.65	2.00 1.82	- 0.76	6.10 9.29
Cochin		Capacity Traffic	10.50 9.36	- -	- 0.02	0.40 0.56	1.40 0.77	0.96 0.78	13.26 11.49

TABLE - III (Contd...)

Major Ports - Capacity and Traffic -- 1995-96

(In Million Tonnes)									
Port	Capacity/ Traffic	POL	Iron Ore	Coal	Ferti- liser & FRM	Other Cargo	Contai- ner	Total	
1.	2.	3.	4.	5.	6.	7.	8.	9.	
New Mangalore	Capacity Traffic	1.00 0.96	7.50 6.64	- -	- 0.22	1.50 1.06	- Neg.	10.00 8.88	
Mormugao	Capacity Traffic	1.50 1.91	14.00 14.94	- 0.57	- 0.06	0.80 0.59	- 0.02	16.30 18.09	
J.L. Nehru	Capacity Traffic	- -	- 0.65	- -	2.90 1.90	- 0.25	3.00 4.07	5.90 6.87	
Mumbai	Capacity Traffic	18.00 20.52	- -	- -	- 0.81	7.55 5.97	1.25 6.75	26.80 34.05	
Kandla	Capacity Traffic	17.00 22.34	- -	- 0.02	0.50 1.08	3.30 5.94	- 0.96	20.80 30.34	
All Ports	Capacity Traffic	80.00 91.37	41.50 34.54	8.00 33.75	7.95 9.63	30.78 28.43	8.98 17.61	177.21 215.33	

Note:- Other Cargo includes Food Grains also.

Source :

1. Traffic - IPA

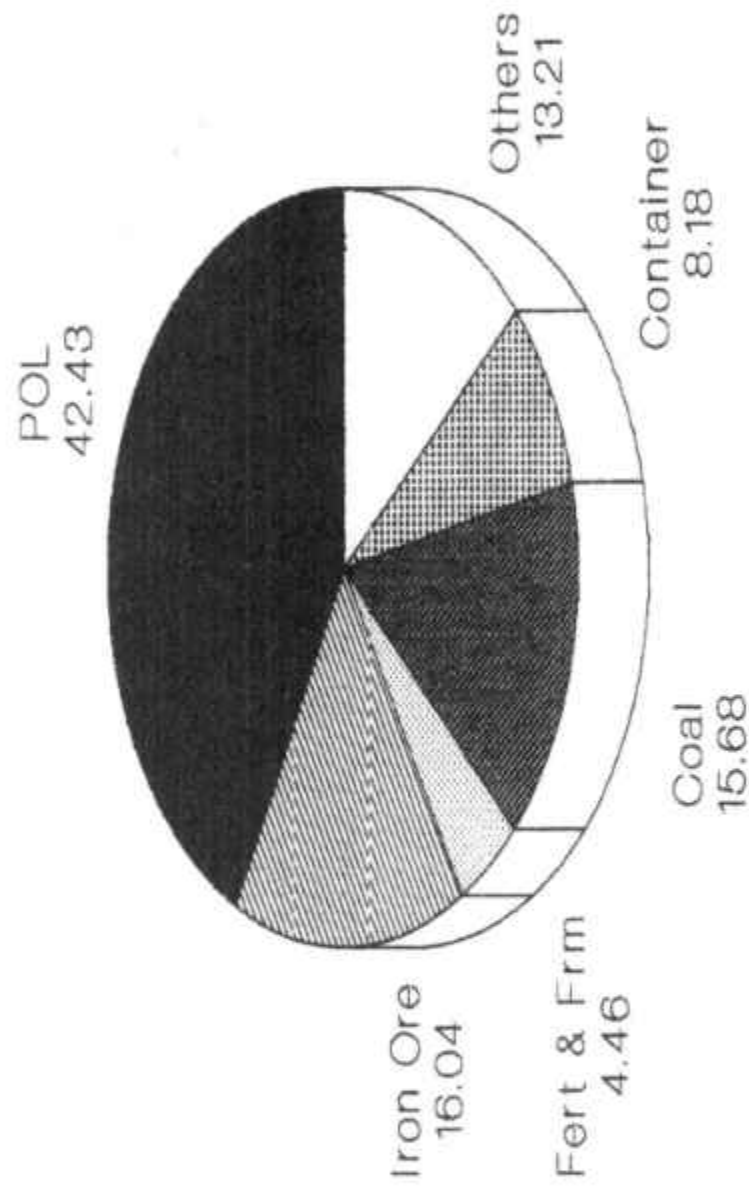
2. Capacity - Development Wing, MOST

Traffic Handled At Major Ports

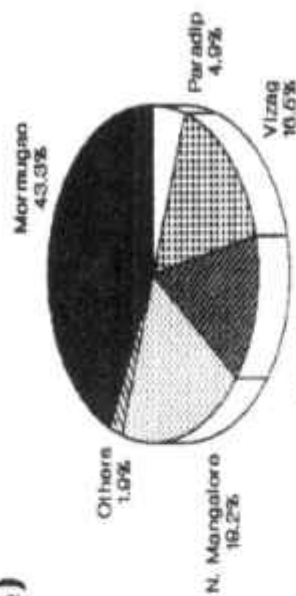
(In Million Tonnes)

1995-96

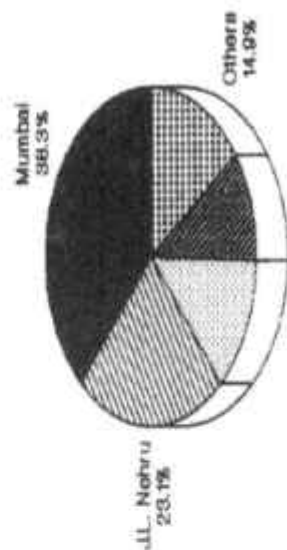
(In percentage)



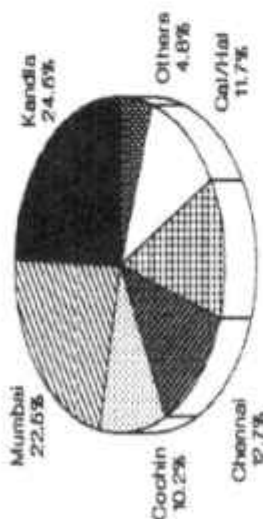
Traffic Handled At Major Ports (1995-96) (In Percentage)



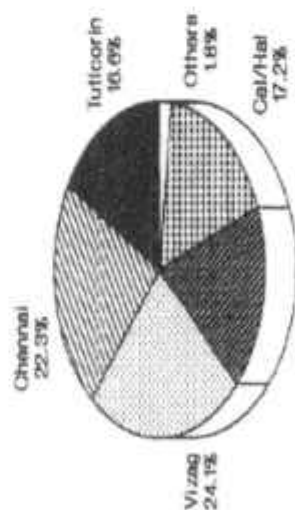
Iron Ore Traffic



Container Traffic



POL Traffic



Coal Traffic

TABLE - IV

Traffic Handled At Major Ports of Selected Commodities -- 1995-96

('000 Tonnes)										
Port	POL	Iron Ore	Fertiliser	FRM	Food-grains	Coal	Container Cargo		Others	Total
							'000 Tonnes	'000 TEUS		
Kandla	22339	-	676	399	2037	23	961	65	3903	30338
Mumbai	20518	-	78	730	99	-	6748	518	5875	34048
JL Nehru	-	648	1716	179	61	-	4070	354	199	6873
Mormugao	1911	14940	56	-	-	566	19	2	601	18093
New Mangalore	957	6639	205	16	-	-	1	-	1066	8884
Cochin	9356	-	225	338	-	21	784	96	767	11491
Tuticorin	441	-	412	241	-	5621	758	69	1813	9286
Madras	11568	4905	954	387	123	7524	2308	227	2951	30720
Visakhapatnam	12535	5710	1132	846	389	8144	94	8	3967	32817
Paradip	1067	1690	163	335	20	6065	-	-	1919	11259
Calcutta	2524	-	119	88	83	-	1814	121	1496	6124
Haldia	8140	-	43	276	25	5795	50	4	1061	15390
All Ports	91356	34532	5779	3835	2837	33759	17607	1464	25618	215323

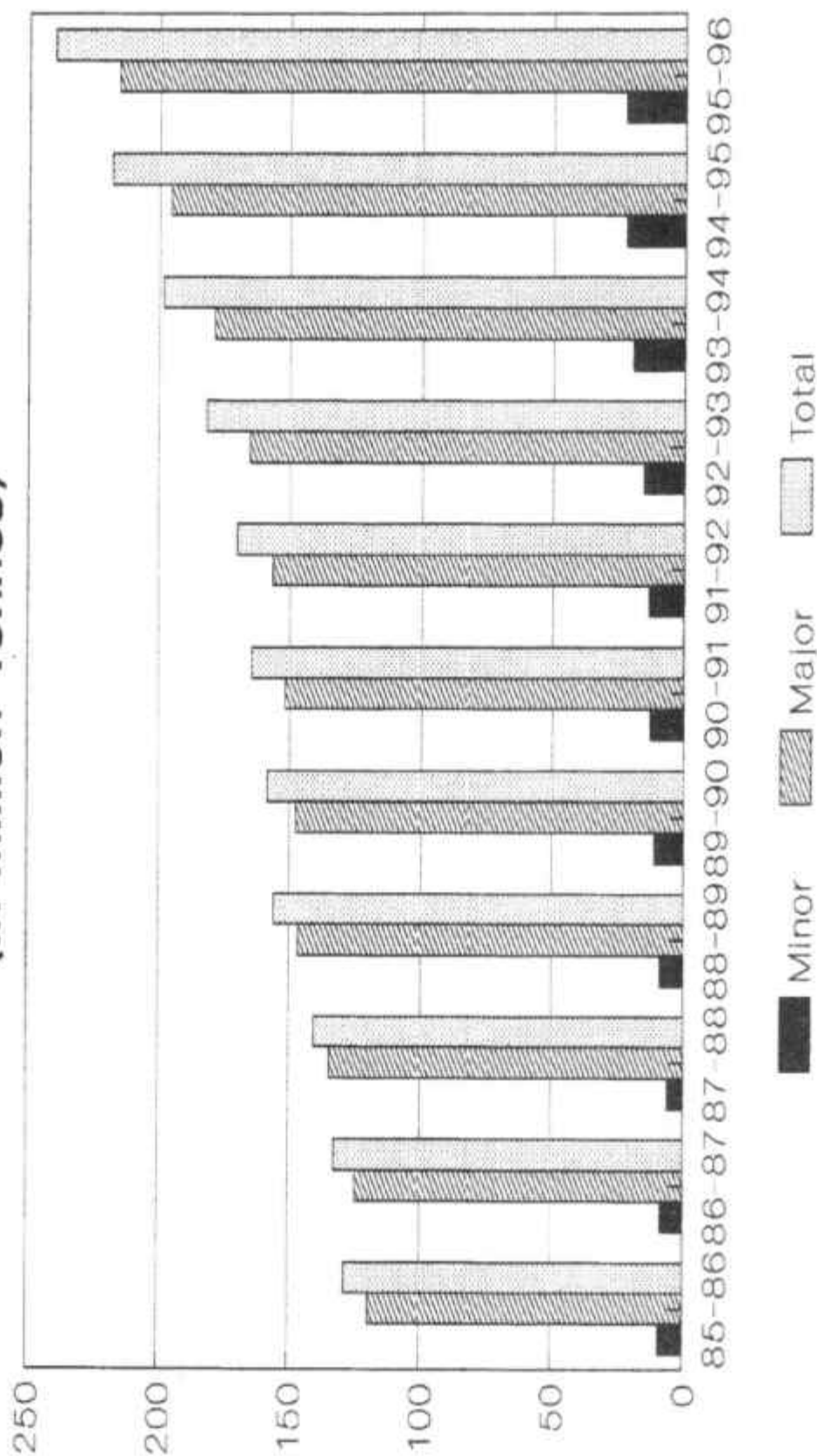
TABLE - V

Traffic Handled At Major Ports In India -- 1995-96
(Overseas and Coastal)

(In Million Tonnes)

Port	Overseas					Coastal				Overseas & Coastal			
	Loaded	Unloaded	Tranship- ment	Total		Loaded	Unloaded	Tranship- ment	Total	Loaded	Unloaded	Tranship- ment	Total
1.	2.	3.	4.	5.		6.	7.	8.	9.	10.	11.	12.	13.
Kandla	4.36	20.41	1.21	25.98		0.11	4.25	-	4.36	4.47	24.66	1.21	30.34
Mumbai	6.17	17.10	-	23.27		10.56	0.22	-	10.78	16.73	17.32	-	34.05
J.L. Nehru	2.53	3.93	0.18	6.64		0.02	0.21	-	0.23	2.55	4.14	0.18	6.87
Mormugao	15.14	1.47	0.87	17.48		0.13	0.48	-	0.61	15.27	1.95	0.67	18.09
New Mangalore	6.53	1.08	-	7.61		0.47	0.80	-	1.27	7.00	1.88	-	8.88
Cochin	0.97	3.51	-	4.48		1.42	5.59	-	7.01	2.39	9.10	-	11.49
Tuticorin	1.31	2.79	-	4.10		0.02	5.17	-	5.19	1.33	7.96	-	9.29
Madras	8.65	14.03	0.86	23.54		0.78	5.54	0.86	7.18	9.43	19.57	1.72	30.72
Visakhapatnam	7.16	11.52	2.87	21.55		5.89	3.22	2.15	11.27	13.05	14.74	5.03	32.82
Paradip	2.20	4.13	-	6.33		4.86	0.06	0.01	4.93	7.06	4.19	0.01	11.26
Haladia	0.25	10.53	-	10.78		4.27	0.34	-	4.61	4.52	10.87	-	15.39
Calcutta	1.57	1.75	-	3.32		0.31	2.50	-	2.81	1.88	4.25	-	6.13
All Ports	56.84	92.25	✓5.99	155.08		28.84	28.38	✓2.03	60.25	85.68	120.63	✓9.02	215.33

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



Traffic Handled at Indian Ports (Million Tonnes)

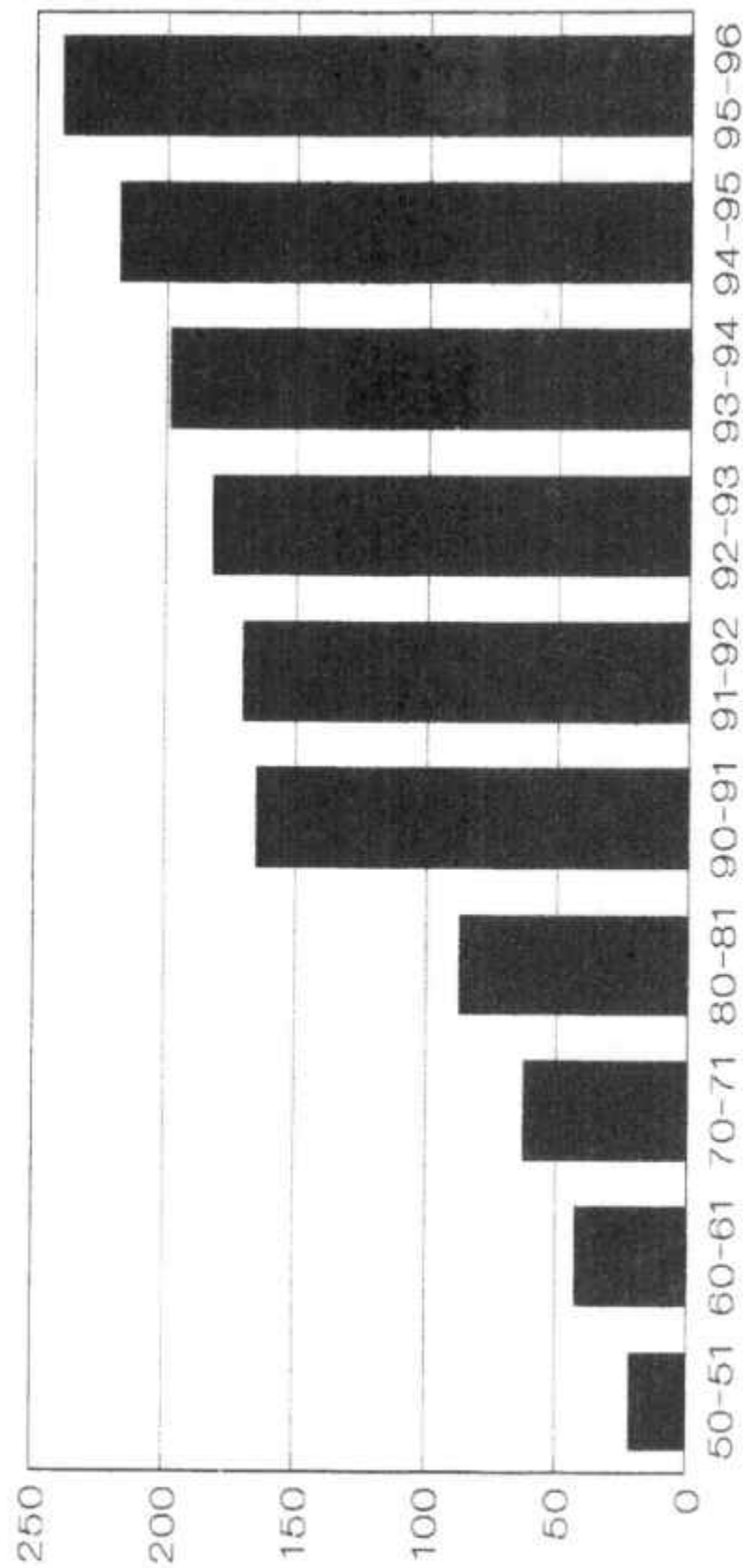


TABLE - VI

Cargo Traffic At Minor/Intermediate Ports -- 1995-96 ('000 Tonnes)

State / U.T.	Overseas			Coastal			Overseas & Coastal		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
Gujarat	7999	5732	13731	2059	1770	3829	10058	7502	17560
Maharashtra	-	27	27	1043	2553	3596	1043	2580	3623
Goa	-	-	-	7	55	62	7	55	62
Daman & Diu	-	-	-	-	-	-	-	-	-
Karnataka	155	100	255	86	6	92	241	106	347
Kerala	...	...	...	...	...	...	...	...	...
Tamil Nadu	113	-	113	-	-	-	113	-	113
Pondicherry	55	-	55	-	-	-	55	-	55
Andhra Pradesh	602	1619	2221	-	14	14	602	1633	2235
Orissa	116	54	170	-	-	-	116	54	170
Andaman & Nicobar Islands	-	-	-	239	56	295	239	56	295
Total	9040	7532	16572	3434	4454	7888	12474	11986	24460

TABLE - VII

Month-wise Vessels Arrived, Sailed And Traffic Handled During 1995-96

Name of the Port	April 1995	May 1995	June 1995	July 1995	Aug. 1995	Sept. 1995	Oct. 1995	Nov. 1995	Dec. 1995	Jan. 1996	Feb. 1996	March 1996
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.
Kandla												
i) Arrived	98	122	113	96	104	124	124	116	133	176	154	131
ii) Sailed	117	112	97	96	102	118	112	125	133	147	147	149
iii) Traffic handled	2349	2380	2293	2228	2307	2420	2230	2728	3037	3028	2332	3006
('000 Tonnes)												
Mumbai												
i) Arrived	114	209	190	179	131	163	182	190	188	217	194	197
ii) Sailed	194	187	192	185	151	150	193	215	207	202	194	233
iii) Traffic handled	2696	2495	2724	2669	2952	2472	3386	3019	2545	2611	3254	3084
('000 Tonnes)												
J.L. Nehru												
i) Arrived	37	70	50	51	57	55	44	43	53	59	60	55
ii) Sailed	37	44	47	37	42	45	43	38	53	44	38	49
iii) Traffic handled	478	589	560	485	590	660	548	524	614	634	496	608
('000 Tonnes)												
Mormugao												
i) Arrived	62	54	43	45	37	38	56	55	45	62	58	79
ii) Sailed	61	66	43	45	43	36	54	56	45	59	49	80
iii) Traffic handled	2369	2066	865	501	313	716	1612	2018	1387	2060	1719	3584
('000 Tonnes)												

TABLE - VII (Contd...)

Month-wise Vessels Arrived, Sailed And Traffic Handled During 1995-96

Name of the Port	April 1995	May 1995	June 1995	July 1995	Aug. 1995	Sept. 1995	Oct. 1995	Nov. 1995	Dec. 1995	Jan. 1996	Feb. 1996	March 1996
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.
New Mangalore												
i) Arrived	45	43	39	41	45	44	42	38	44	40	39	55
ii) Sailed	42	43	38	42	37	42	46	38	48	44	40	45
iii) Traffic handled	740	707	627	730	685	851	786	694	569	703	873	919
('000 Tonnes)												
Cochin												
i) Arrived	59	75	67	77	82	77	68	80	80	84	78	94
ii) Sailed	63	72	64	75	85	72	77	76	77	86	73	98
iii) Traffic handled	703	914	831	972	1051	1002	908	990	891	1170	1012	985
('000 Tonnes)												
Tuticorin												
i) Arrived	65	67	75	76	94	82	84	88	80	92	77	98
ii) Sailed	72	71	68	78	88	89	76	85	90	88	88	89
iii) Traffic handled	735	692	624	723	773	761	711	819	919	781	862	886
('000 Tonnes)												
Madras												
i) Arrived	133	137	132	138	148	154	152	130	139	159	146	163
ii) Sailed	136	135	131	131	108	133	145	137	167	156	152	151
iii) Traffic handled	2434	2341	2314	2265	2359	2619	2296	2562	3031	2488	2848	3163
('000 Tonnes)												

TABLE - VII (Contd..)

Month-wise Vessels Arrived, Sailed And Traffic Handled During 1995-96

Name of the Port	April 1995	May 1995	June 1995	July 1995	Aug. 1995	Sept. 1995	Oct. 1995	Nov. 1995	Dec. 1995	Jan. 1996	Feb. 1996	March 1996
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.
Visakhapatnam												
i) Arrived	115	101	96	133	140	122	130	107	123	115	128	123
ii) Sailed	124	99	99	120	116	110	104	110	123	129	129	118
iii) Traffic handled	2662	2239	2700	3007	2480	3028	2399	2779	3042	2751	2841	2888
('000 Tonnes)												
Paradip												
i) Arrived	36	33	54	47	34	47	55	47	57	51	49	41
ii) Sailed	36	33	44	47	42	47	46	43	57	48	47	41
iii) Traffic handled	674	817	1046	913	1005	1028	1012	850	1125	989	918	892
('000 Tonnes)												
Haldia												
i) Arrived	72	70	53	76	72	67	71	67	84	81	44	82
ii) Sailed	74	68	53	73	70	69	70	76	76	77	49	81
iii) Traffic handled	1365	1272	1017	1354	1214	1204	1192	1288	1497	1480	805	1623
('000 Tonnes)												

TABLE - VII (Contd...)

Month-wise Vessels Arrived, Sailed And Traffic Handled During 1995-96

Name of the Port	April 1995	May 1995	June 1995	July 1995	Aug. 1995	Sept. 1995	Oct. 1995	Nov. 1995	Dec. 1995	Jan. 1996	Feb. 1996	March 1996
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.
Calcutta												
i) Arrived	65	71	61	75	76	76	63	69	75	69	53	80
ii) Sailed	63	72	57	75	66	75	65	65	76	62	52	75
iii) Traffic handled	477	516	423	571	510	523	451	486	556	517	445	644
('000 Tonnes)												
ALL PORTS												
i) Arrived	961	1052	973	1034	1020	1019	1071	1030	1101	1205	1080	1198
ii) Sailed	1019	1002	933	1004	950	989	1031	1064	1152	1142	1058	1209
iii) Traffic handled	17672	17028	16024	16418	16239	17284	17531	18757	19214	19212	18405	22272
('000 Tonnes)												

TABLE - VIII

Selected Port Performance Indicators (Port-wise) -- 1995-96

Item / Port	Kandla	Mumbai	J.L.		New		Visa-		All				
			Mehr	Mormu-	Manga-	Cochin	Tuti-	Madras		Khapa-	Paradip	Haadia	Calcu-
				gao	lore			tnam			tta		
1.No. of vessels sailed													
i) Dry-bulk	155	148	74	293	184	33	291	412	516	360	273	24	2763
ii) Tankers	875	954	11	298	209	379	128	516	499	154	480	306	4809
iii) Break-bulk	255	650	31	15	113	70	338	286	256	10	41	188	2253
iv) Container	106	763	349	21	1	263	181	381	40	-	42	244	2316
v) All Types	1391	2515	465	627	507	745	938	1595	1311	524	836	762	12216
2.Av. Pre-berthing detention (days)													
i) Dry-bulk	11.2	10.7	7.8	0.2	2.4	1.0	2.0	4.1	4.1	2.7	2.6	2.9	3.8
ii) Tankers	7.0	4.0	2.0	2.1	1.8	1.8	1.3	4.5	0.6	1.8	2.9	1.8	3.5
iii) Break bulk	16.6	5.1	0.8	0.1	0.6	0.4	3.6	3.4	2.9	3.4	1.8	1.4	4.9
iv) Container	3.3	2.5	1.9	N	0.1	0.6	0.8	1.3	0.5	-	0.1	0.8	1.6
v) All Types	8.9	4.2	2.8	1.1	1.7	1.2	2.3	3.4	2.4	2.4	2.6	1.3	3.4
3.Av. Turn round time (days)													
i) Dry-bulk	23.6	26.4	18.9	7.5	6.0	17.7	6.7	11.7	11.9	7.6	13.0	20.9	11.8
ii) Tankers	9.1	6.8	6.5	5.8	3.2	3.8	3.1	6.5	3.1	3.2	4.8	5.7	5.9
iii) Break-bulk	27.8	15.3	2.2	7.7	7.6	5.4	8.2	11.9	10.9	7.8	12.6	16.8	13.8
iv) Container	6.6	6.5	4.7	0.9	3.8	2.8	2.9	3.8	2.8	-	1.8	6.3	4.9
v) All Types	13.9	10.1	6.9	6.5	5.2	4.2	6.0	8.1	8.1	6.3	7.7	9.1	8.5

TABLE - VIII (Contd...)

Selected Port Performance Indicators (Port-wise) -- 1995-96

Item	Kandla	Mumbai	J.L. Nehru	New Manga- lore	Cochin	Tuticorin	Madras	Visa- khapa- tnam	Paradip	Haldia	Calcutta	All Ports
4. % Idle time to time at working berth												
i) Dry-bulk	13.4	27.2	14.8	23.6	48.8	47.9	33.3	29.5	14.5	23.4	32.3	50.0
ii) Tankers	23.7	22.8	20.8	41.2	31.7	26.4	35.1	29.0	19.4	..	42.3	51.0
iii) Break-bulk	12.8	35.7	..	18.2	58.9	46.0	46.7	43.1	14.9	20.0	56.3	56.1
iv) Container	10.7	25.3	24.3	31.2	75.0	46.2	43.5	47.8	18.6	-	63.2	26.5
v) All Types	15.5	29.9	19.5	26.7	51.5	42.7	40.4	36.0	18.5	21.0	36.7	48.4
5. Output per ship berth day (tonnes)												
i) Dry-bulk	1550	1090	2986	9658	11031	1266	4790	5250	4852	5599	2711	520
ii) Tankers	17201	9233	2586	7509	6330	14965	4829	14310	13252	8680	14075	3214
iii) Break-bulk	1080	686	..	1210	732	773	785	698	1152	878	677	340
iv) Container	3007	2137	4139	1000	178	1381	2051	2541	1084	-	1349	1948
v) All Types	5206	2516	3497	8836	5487	5770	2760	4732	5038	5821	4536	1164
												4030

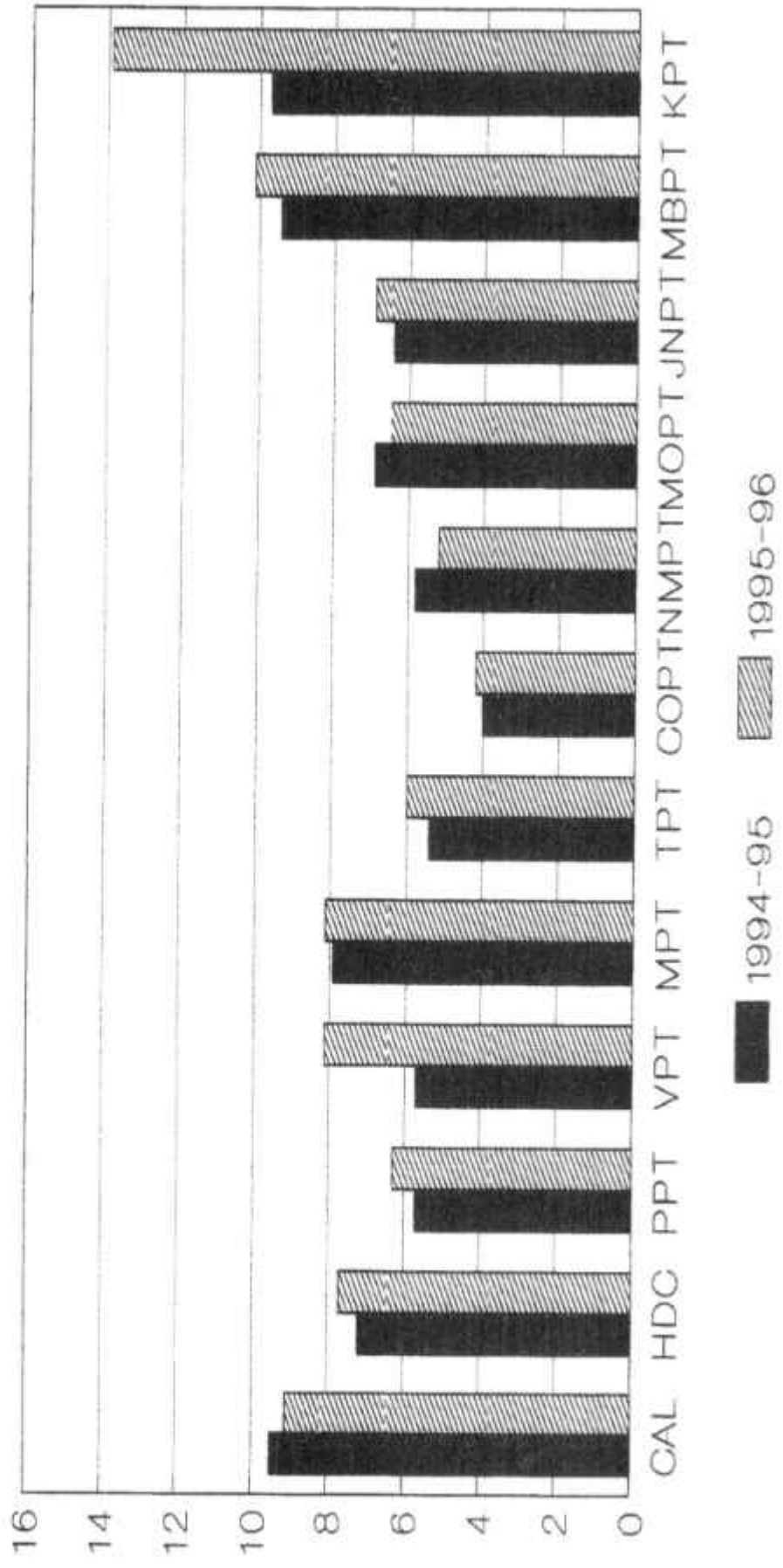
TABLE - IX

Major Ports - Average Pre-Berthing Time -- 1995-96

(In days)

Port --->	Calcutta	Haldia	Paradip	Vizag	Madras	Tuticorin	Cochin	New Mangalore	Mormugao	Mumbai	Kandla	All Ports
Commodity												
P.O.L.	1.53	3.09	2.23	0.60	5.22	1.23	2.07	1.79	2.19	4.52	6.14	3.44
Iron Ore	-	-	3.19	0.84	0.26	-	-	2.70	0.18	2.89	-	1.17
Coking Coal	-	3.68	3.29	8.51	10.13	-	-	0.10	0.37	-	11.32	5.92
Thermal Coal	-	0.92	1.46	1.00	1.89	1.47	-	-	-	-	-	1.40
Fertilizers	2.87	6.39	3.50	5.77	8.59	3.30	0.32	0.69	0.69	17.85	10.08	5.92
Raw Materials	2.77	5.86	2.81	4.03	6.30	4.29	1.58	0.44	-	14.54	7.61	7.74
Other Dry Bulk	0.46	3.89	3.72	2.13	5.84	3.75	0.35	0.25	0.17	7.27	12.65	4.75
Other Lqd. Bulk	3.15	1.18	0.95	0.56	1.78	1.39	0.62	1.66	0.66	3.04	9.05	3.51
General Cargo	1.20	1.86	3.08	2.82	3.23	3.62	0.44	0.61	0.04	4.98	16.63	4.76
Containers	0.75	0.13	-	0.51	1.29	0.82	0.61	0.12	0.01	2.50	3.32	1.60
Total	1.33	2.61	2.42	2.38	3.40	2.28	1.24	1.71	1.07	4.22	8.92	3.45

Average Turn Round Time (In days)



Average Pre-berthing Waiting Time (In days)

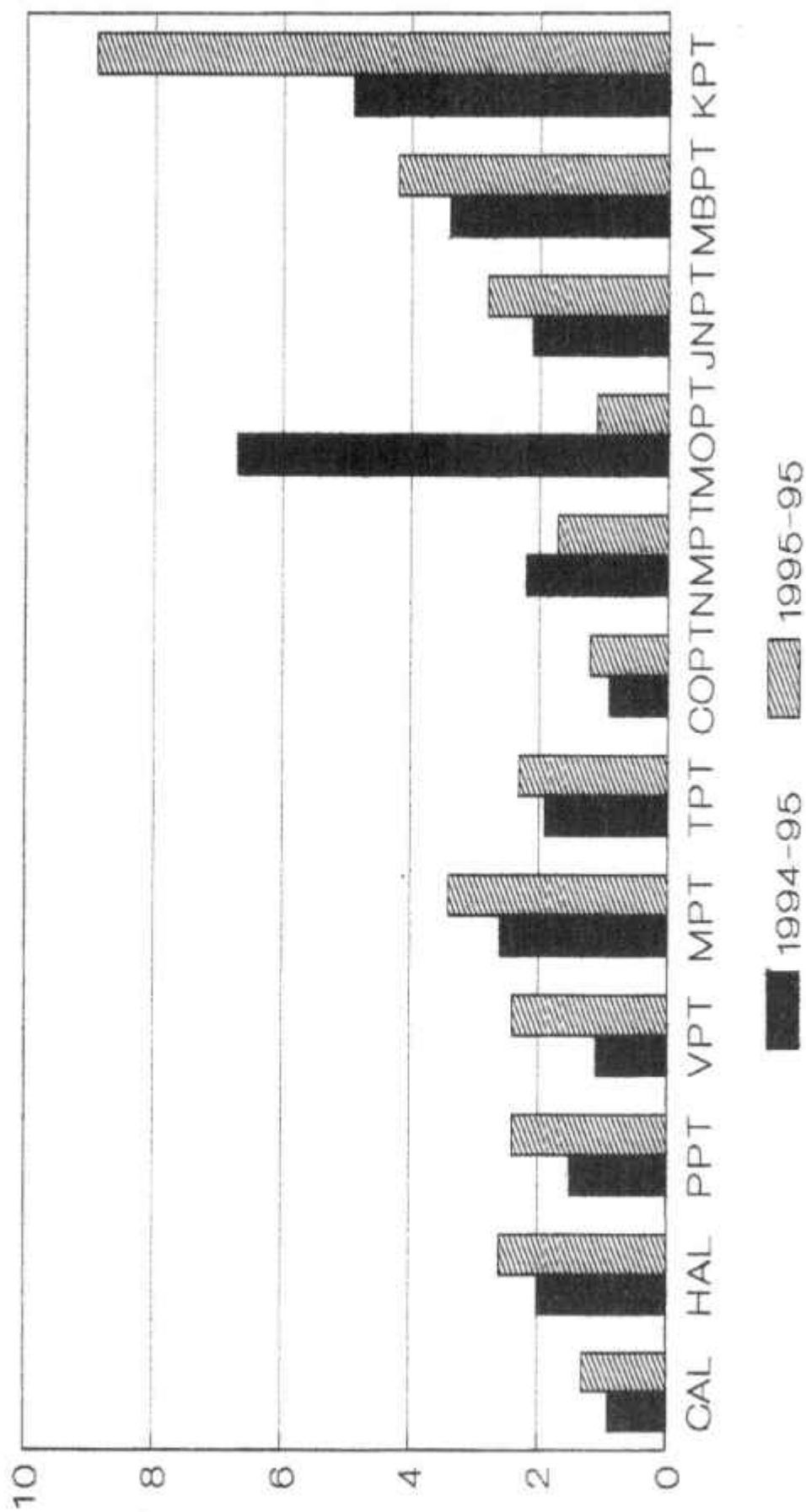


TABLE - X

Major Ports - Average Turn Round Time -- 1995-96

Port ---> Commodity	(In days)											
	Calcu- tta	Haldia	Para- dip	Vizag	Madras	Tuti- corin	Cochin	New Manga- lore	Mormu- gao	Mumbai	Kandla	All Ports
P.O.L.	5.33	4.95	3.46	3.33	7.08	3.23	4.08	3.22	6.18	7.31	7.82	5.81
Iron Ore	-	-	6.07	4.40	3.06	-	-	4.50	7.61	9.63	-	5.89
Coking Coal	-	15.42	8.09	16.17	19.62	-	-	8.23	14.02	-	24.30	14.46
Thermal Coal	-	7.14	5.79	6.50	6.62	5.25	-	-	-	-	-	6.13
Fertilizers	23.39	76.40	18.21	23.49	30.39	14.70	27.43	23.94	26.05	42.57	25.15	24.86
Raw Materials	17.21	30.59	15.99	20.69	16.62	10.86	13.68	8.46	-	31.70	18.85	22.38
Other Dry Bulk	18.81	12.98	8.68	6.87	14.19	8.03	12.60	6.04	6.24	28.81	24.79	12.56
Other Lqd. Bulk	7.83	3.69	2.43	6.10	4.18	2.97	2.11	3.01	2.19	5.94	12.22	6.03
General Cargo	14.78	12.64	7.11	10.48	11.35	8.18	5.38	7.65	7.68	14.96	27.79	13.60
Containers	6.35	1.78	-	2.79	3.83	2.89	2.84	3.81	0.88	6.53	6.62	4.98
Total	8.94	7.70	6.30	7.97	8.11	5.99	4.21	5.18	6.51	10.06	13.93	8.52

TABLE - XI

Major Ports - Average Non-Working Time At Berth -- 1995-96

(In days)

Port --->	Calcutta	Haiderabad	Paradip	Vizag	Madras	Tuticorin	Cochin	New Mangalore	Mormugao	Mumbai	Kandla	@ All Ports
Commodity												
P.O.L.	1.31	0.52	-	0.83	0.67	0.73	0.45	0.66	3.09	0.82	0.48	0.85
Iron Ore	-	-	1.07	1.09	1.23	-	-	0.69	3.31	0.04	-	1.68
Coking Coal	-	3.81	0.94	1.96	3.44	-	-	3.60	2.33	-	0.90	2.41
Thermal Coal	-	1.52	1.19	0.53	1.31	1.12	-	-	-	-	-	1.16
Fertilizers	10.17	35.38	2.88	4.21	9.08	4.50	15.29	12.51	7.90	7.00	2.85	6.81
Raw Materials	6.49	12.84	1.92	2.76	4.84	2.89	6.13	4.27	-	5.92	3.73	5.16
Other Dry Bulk	8.03	3.26	1.37	1.10	2.76	2.06	5.45	3.52	2.24	8.60	3.37	2.54
Other Lqd. Bulk	1.39	0.67	...	0.28	0.78	0.62	0.46	0.45	0.50	0.77	1.67	0.87
General Cargo	6.83	6.66	1.37	1.54	4.46	2.27	2.20	4.12	2.82	3.72	2.96	3.58
Containers	1.04	0.74	-	0.38	1.24	0.88	1.22	2.49	0.26	1.04	0.59	1.04
Total	3.03	1.84	0.88	1.24	2.05	1.58	1.26	1.80	2.85	1.90	1.47	1.80

Output Per Ship Berth Day (In Tonnes)

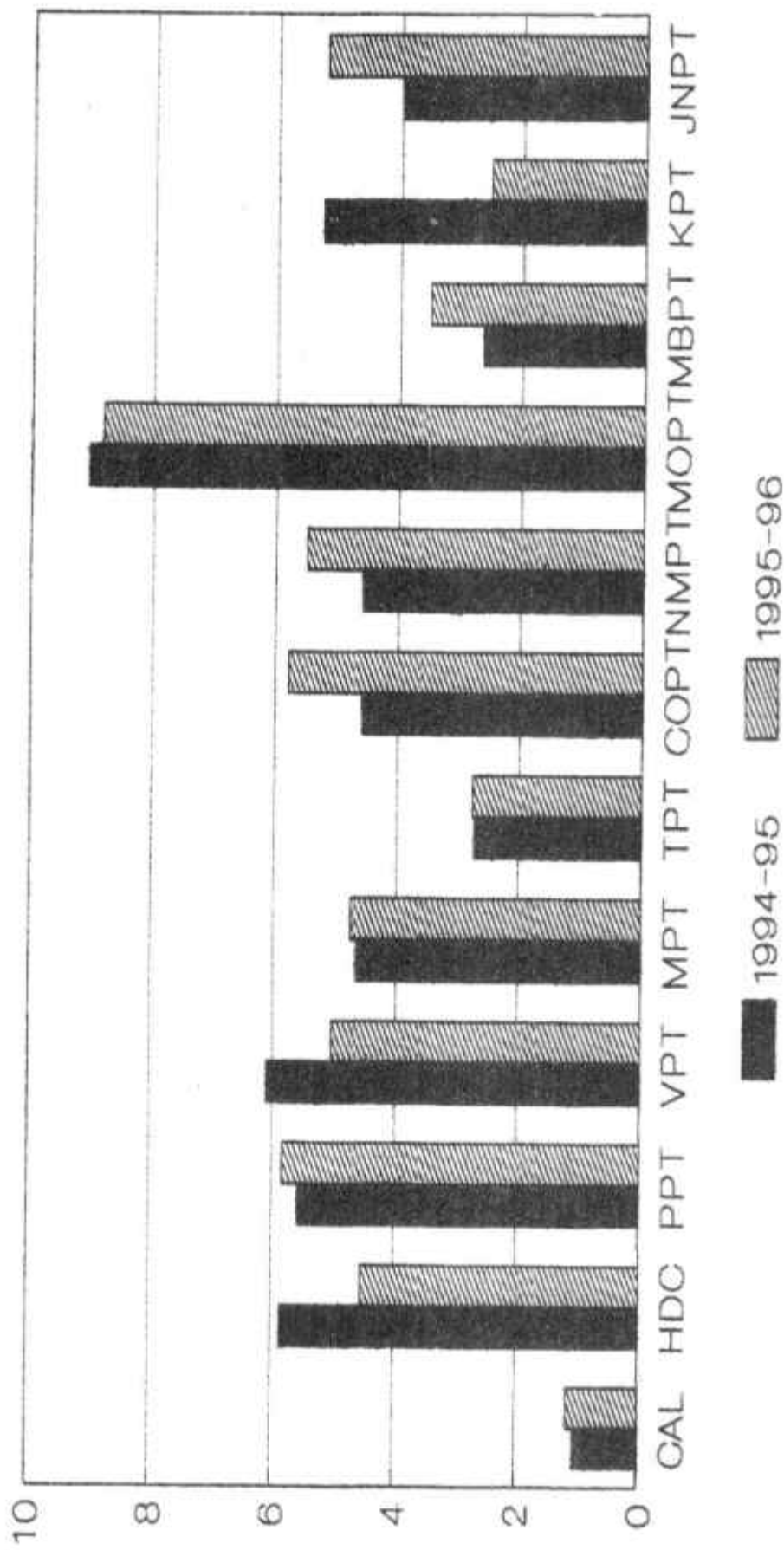


TABLE -XII

Major Ports - Output per Ship Berth Day -- 1995-96

Port --->	(In Tonnes)										
	Calcu- tta	Haldia	Para- dip	Vizag	Madras	Tuti- corin	Cochin	New Manga- lore	Mormu- gao	Mumbai	Kandla
Commodity											
P.O.L.	3592	15192	8448	14378	17976	4923	16174	7058	7502	12859	23153
Iron Ore	-	-	16758	23362	39549	-	-	25606	15307	4676	-
Coking Coal	-	2326	5799	5575	2537	-	-	2572	3525	-	1847
Thermal Coal	-	4989	7080	5476	7493	6953	-	-	-	-	-
Fertilizers	386	726	1324	1450	1343	1258	870	708	578	460	1777
Raw Materials	695	650	2397	1284	1453	1421	1871	1004	-	555	1288
Other Dry Bulk	791	2429	2968	3497	3071	2081	955	1828	1493	766	1542
Other Lqd. Bulk	1392	6754	9122	5530	4070	4747	5843	4666	6259	1697	5633
General Cargo	371	666	906	1153	689	789	771	732	908	714	1080
Containers	1963	1365	-	1095	2547	2054	1381	188	1001	2137	3014
Total	1164	4536	5821	5038	4732	2760	5770	5487	8836	2516	5206

**Detailed Tables
On
Port Sector (Major & Minor)
Time Series Data Upto
1994-95**

Port Sector At A Glance

Item	1990-91	1991-92	1992-93	1993-94	1994-95
I. NO. OF PORTS					
i) Major	11	11	11	11	11
ii) Minor/Intermediate	163	163	163	163	163
iii) Total	174	174	174	174	174
MAJOR PORTS					
II. CARGO HANDLED					
(In million tonnes)					
i) POL	64.00	67.60	72.56	73.62	75.79
ii) Iron Ore	31.73	31.60	29.83	34.10	34.35
iii) Fertiliser & Raw Materials	8.94	9.92	9.91	9.47	11.00
iv) Coal	19.66	22.40	24.49	26.81	30.80
Coke & Coking Coal	5.97	6.21	7.02	7.81	5.73
Other Coal	13.69	16.19	17.47	19.00	25.07
v) Others (including containers)	27.12	25.12	29.71	35.02	43.95
Total	151.67	156.64	166.50	179.02	195.89
III. CONTAINERS					
('000 TEUs)					
	681	681	797	1048	1258
(million tonnes)					
	7.70	6.72	7.62	11.90	15.01
IV. PASSENGER TRAFFIC					
HANDLED ('000 Nos.)					
	156	162	203	216	209

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

V.EMPLOYMENT
(Thousand
number)

1991	1992	1993	1994	1995
98	93	90	99	94

VI.FINANCIAL
PERFORMANCE

i)Total Revenue
(Rs.million)

1990-91	1991-92	1992-93	1993-94	1994-95
12582	14474	17865	20646	23173

ii)Total Expenditure
(Rs.million)

1990-91	1991-92	1992-93	1993-94	1994-95
9304	11002	12762	14445	16770

VII.SELECTED PERFOR-
MANCE INDICATORS

i)Total Vessels *
Sailed (Nos.)

1990-91	1991-92	1992-93	1993-94	1994-95
8919	9026	10130	10608	11681

ii)Av. Turn Round
Time (days)

1990-91	1991-92	1992-93	1993-94	1994-95
8.1	6.7	6.7	6.3	6.7

iii)Av. Pre-Berthing
Detention (days)

1990-91	1991-92	1992-93	1993-94	1994-95
2.1	1.6	2.0	1.9	2.4

iv)Output Per Ship
Berthday(tonnes)

1990-91	1991-92	1992-93	1993-94	1994-95
3372	3942	3575	3892	3968

P o r t S e c t o r A t A G l a n c e (Contd.)

Item	1990-91	1991-92	1992-93	1993-94	1994-95
MINOR PORTS					
I. CARGO HANDLED (In million tonnes)					
i) Fertiliser & raw material	2.63	2.15	3.01	2.28	1.65
ii) Iron & other ore	0.95	0.36	0.49	0.44	5.08
iii) Oil cakes	1.71	2.07	2.37	2.48	2.15
iv) Building material	1.86	1.80	1.53	1.55	4.04
v) Salt	0.17	0.17	0.17	0.25	0.18
vi) Others	5.46	6.71	7.84	12.47	9.09
TOTAL	12.78	13.26	15.41	19.47	22.19
II. PASSENGER TRAFFIC HANDLED (Million Nos.)					
	12.76	14.11	13.47	13.88	14.11
III. SHIP TRAFFIC (Nos.)					
1) Steamers	2053	1955	2749	2856	3316
ii) Sailing vessels	26129	27072	22681	28526	15087

SECTION-1

SUMMARY TABLES

(MAJOR/MINOR PORTS)

1.1.1 Trend Of Cargo Traffic Handled At Major/Minor Ports
(In Million Tonnes)

Ports/ Years	Overseas			Coastal			Overseas & Coastal		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
MAJOR PORTS									
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	74.09	43.28	117.37	24.35	24.78	49.13	98.44	68.06	166.50
1993-94	76.02	53.48	129.50	24.81	24.71	49.52	100.83	78.19	179.02
1994-95	83.60	52.18	135.78	29.60	30.51	60.11	113.20	82.69	195.89
MINOR PORTS									
1975-76	1.81	3.07	4.88	0.60	1.02	1.62	2.41	4.09	6.50
1980-81	1.92	3.39	5.31	0.58	0.85	1.43	2.50	4.24	6.74
1985-86	3.87	2.89	6.76	1.03	1.26	2.29	4.90	4.15	9.05
1989-90	4.25	4.51	8.76	1.14	0.96	2.10	5.39	5.47	10.86
1990-91	5.71	3.85	9.56	1.97	1.25	3.22	7.68	5.10	12.78
1991-92	4.77	4.10	8.87	3.02	1.37	4.39	7.79	5.47	13.26
1992-93	6.24	4.74	10.98	3.09	1.34	4.43	9.33	6.08	15.41
1993-94	7.57	6.64	14.21	3.84	1.42	5.26	11.41	8.06	19.47
1994-95	8.60	6.33	14.93	5.37	1.89	7.26	13.97	8.22	22.19
ALL PORTS									
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	64.73	47.48	112.21	28.04	24.20	52.24	92.77	71.68	164.45
1991-92	64.68	48.99	113.67	29.68	26.55	56.23	94.36	75.54	169.90
1992-93	80.33	48.02	128.35	27.44	26.12	53.56	107.77	74.14	181.91
1993-94	83.59	60.12	143.71	28.65	26.13	54.78	112.24	86.25	198.49
1994-95	92.20	58.51	150.71	34.97	32.40	67.37	127.17	90.91	218.08

1.1.2 Cargo Handled At Ports - By State

(In '000 Tonnes)

Port/State/Type of Traffic	1975-76	1980-81	1985-86	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
GUJARAT	6305	11541	21051	25552	28998	31298	34794	40245	43445
Kandla	3203	8761	16486	18925	19685	21002	22910	24500	26502
Other Ports	3102	2780	4565	6627	9313	10296	11884	15745	16943
Overseas	4495	9552	12407	16735	20615	21480	26975	33083	34650
Coastal	1810	1989	8644	8817	8383	9818	7819	7162	8795
Loaded	2162	1859	3012	5302	5734	6905	6957	9760	10475
Unloaded	4143	9682	18039	20250	23264	24393	27837	30485	32970
MAHARASHTRA	17637	18351	25910	29782	31849	29587	32256	34539	38127
Mumbai	16650	16978	24310	27746	28899	26261	28946	30506	30673
J.L.Nehru	-	-	-	697	2022	2794	3007	3387	5008
Other Ports	987	1373	1600	1339	928	532	303	646	2446
Overseas	15028	13803	15438	18223	18984	17328	21386	25432	25565
Coastal	2609	4548	10472	11559	12865	12259	10870	9107	12562
Loaded	4889	5012	13657	15880	16157	15715	14621	14391	16374
Unloaded	12748	13339	12253	13902	15692	13872	17635	20148	21753

1.1.2 Cargo Handled At Ports - By State

(In '000 Tonnes)

Port/State/Type of Traffic	1975-76	1980-81	1985-86	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
GOA	12781	13772	16117	14168	14912	15111	16526	18929	19093
Mormugao	12768	13764	16115	14168	14911	15099	16314	18717	18881
Other Ports	13	8	2	...	1	12	212	212	212
Overseas Coastal	12309	13542	15659	13511	14213	14175	15251	17567	17445
	472	230	458	657	699	936	1275	1362	1648
Loaded Unloaded	12096	12922	14496	12685	13191	12709	14044	16306	16273
	695	850	1621	1483	1721	2402	2482	2623	2820
Daman & Diu	12	7	4	1	neg.	neg.	-	-	-
Overseas Coastal	-	-	-	-	-	-	-	-	-
	12	7	4	1	neg.	neg.	-	-	-
Loaded Unloaded	9	4	neg.	-	-	-	-	-	-
	3	3	4	1	neg.	neg.	-	-	-
KARNATAKA	1104	2031	4545	8314	8633	8657	7558	8940	8460
N. Mangalore	339	963	3686	7661	8022	8274	7088	8630	8005
Other Ports	765	1068	859	653	611	383	470	310	455
Overseas Coastal	738	1475	3978	7668	7702	7335	6785	7955	7218
	366	556	567	646	931	1322	773	985	1242
Loaded Unloaded	741	1141	3113	6676	6999	7136	5744	7531	6533
	363	890	1432	1638	1634	1521	1814	1409	1927

1.1.2 Cargo Handled At Ports - By State

		(In '000 Tonnes)									
Port/State/Type of Traffic		1975-76	1980-81	1985-86	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)		
KERALA	4582	5424	5388	7281	7405	7611	8103	7719	8730		
Cochin	4258	5233	5277	7124	7275	7481	7978	7620	8631		
Other Ports	324	191	111	157	130	130	125	99	99		
Overseas Coastal	3500	3836	2369	3085	2604	3106	3284	3107	3921		
	1082	1588	3019	4196	4801	4505	4819	4612	4809		
Loaded	1048	1292	819	1188	1145	1169	1233	1367	1536		
Unloaded	3534	4132	4569	6093	6260	6442	6870	6352	7194		
TAMIL NADU	9552	13128	22849	29640	2982	31099	31806	33321	37629		
Tuticorin	1366	2560	4221	5324	5075	5868	6215	6700	8041		
Madras	7883	10375	18148	2394	2451	25046	25331	26541	29464		
Other Ports	303	193	480	376	227	185	260	80	124		
Overseas Coastal	8491	10979	15501	17736	17714	17849	18645	19428	21210		
	1061	2149	7348	11904	12106	13250	13161	13893	16419		
Loaded	3348	4498	7341	10317	10062	10754	9864	10774	11413		
Unloaded	6204	8630	15508	19323	19758	20345	21942	22547	26216		

1.1.2 Cargo Handled At Ports - By State

(In '000 Tonnes)

Port/State/Type of Traffic	1975-76	1980-81	1985-86	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
PONDICHERY	392	49	118	229	70	53	47	22	26
Overseas	392	49	118	229	70	53	47	22	26
Coastal	-	-	-	-	-	-	-	-	-
Loaded	-	-	-	-	-	-	-	-	-
Unloaded	392	49	118	229	70	53	47	22	26
ANDHRA PRADESH	9086	10972	16985	22491	20545	22702	24325	27402	31416
Visakhapatnam	8548	10123	15911	21117	19421	21522	22765	25595	30029
Other Ports	538	849	1074	1374	1124	1180	1560	1807	1387
Overseas	8952	10300	12125	16301	14944	16014	19157	20327	21538
Coastal	134	672	4860	6190	5601	6686	5168	7075	9878
Loaded	6120	6642	7378	11439	9719	11869	10919	13927	15118
Unloaded	2966	4330	9607	11052	10826	10833	13406	13475	16298
ORISSA	3326	2241	3331	6252	6945	7447	7813	8539	10321
Paradip	3326	2241	3331	6184	6684	7297	7606	8327	10121
Other Ports	-	-	-	68	61	150	207	212	200
Overseas	3315	2240	3049	4960	5001	5078	4427	4853	5978
Coastal	11	1	282	1292	1944	2369	3386	3686	4343
Loaded	3137	1934	2374	3766	4056	4449	5231	5827	6669
Unloaded	189	307	957	2486	2889	2998	2582	2712	3652

1.1.2 Cargo Handled At Ports - By State

(In '000 Tonnes)

Port/State/Type of Traffic	1975-76	1980-81	1985-86	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
WEST BENGAL	7663	9272	12128	14689	14953	16000	18337	18496	20535
Calcutta-Haldia	7663	9272	12128	14689	14953	16000	18337	18496	20535
Other Ports	-	-	-	-	-	-	-	-	-
Overseas	5829	7120	8664	9698	10372	11248	12383	11937	13155
Coastal	1834	2152	3464	4991	4581	4752	5954	6559	7380
Loaded	3184	2284	3471	4933	4537	4747	5422	6279	6453
Unloaded	4479	6988	8657	9756	10416	11253	12915	12217	14082
SEA-ISLANDS	68	214	242	32	317	337	337	337	292
Other Ports	68	214	242	32	317	337	337	337	292
Overseas	-	3	-	-	-	-	-	-	-
Coastal	68	211	242	32	317	337	337	337	292
Loaded	28	100	126	1	82	99	99	99	60
Unloaded	40	114	116	31	235	238	238	238	232
ALL INDIA	72508	87002	128668	158431	164447	169902	181902	198489	218074
Major Ports	66004	80270	119613	147575	151665	156641	166497	179019	195890
Other Ports	6504	6732	9055	10856	12782	13261	15405	19470	22184
Overseas	63049	72899	89308	108146	112219	113666	128340	144011	150706
Coastal	9459	14103	39360	50285	52228	56236	53562	54478	67368
Loaded	36762	37688	55787	72187	71682	75552	74134	86261	90904
Unloaded	35746	49314	72881	86244	92765	94350	107768	112228	127170

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

(In '000 Tonnes)

Port/State/Type of Traffic	1975-76	1980-81	1985-86	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
GUJARAT									
Kandla	2924	8190	16175	16755	17271	18148	20503	20953	22651
Other Ports	1219	1492	2864	3495	5993	6245	7334	9532	10319
Total	4143	9682	18039	20250	23264	24393	27837	30485	32970
Overseas	2959	8123	10737	12569	16080	15941	21197	24495	26450
Coastal	1184	1559	7302	7681	7184	8452	6640	5990	6520
MAHARASHTRA									
Mumbai	12654	13209	11947	13141	13719	11506	15232	17438	16162
Jawaharlal Nehru	-	-	-	507	1645	2061	2105	2088	3290
Other Ports	94	130	306	254	328	305	298	622	2301
Total	12748	13339	12253	13902	15692	13872	17635	20148	21753
Overseas	11630	10725	11168	13353	14770	13143	17221	19321	19245
Coastal	1118	2614	1085	549	922	729	414	827	2508
GOA									
Mormugao	676	843	1621	1483	1721	2396	2394	2535	2732
Other Ports	10	7	-	...	-	6	88	88	88
Total	685	850	1621	1483	1721	2402	2482	2623	2820
Overseas	216	621	1163	847	1058	1660	1720	1910	2024
Coastal	469	229	458	636	663	742	762	713	796
DAMAN & DIU									
Other Ports	3	3	4	1	neg.	neg.	neg.	neg.	neg.
Total	3	3	4	1	neg.	neg.	neg.	neg.	neg.
Overseas	-	-	-	-	-	-	-	-	-
Coastal	3	3	4	1	neg.	neg.	neg.	neg.	neg.

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

Port/State/Type of Traffic	1975-76	1980-81	1985-86	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
KARNATAKA									
New Mangalore	206	539	996	1294	1363	1298	1530	1245	1640
Other Ports	157	251	436	344	271	223	284	164	287
Total	363	890	1432	1638	1634	1521	1814	1409	1927
Overseas	242	509	1015	1062	958	776	1127	718	1144
Coastal	121	381	417	576	676	745	687	691	783
KERALA									
Cochin	3321	4112	4557	6053	6251	6433	6864	6351	7193
Other Ports	213	20	12	40	9	9	6	1	1
Total	3534	4132	4569	6093	6260	6442	6870	6352	7194
Overseas	3109	3533	1803	2519	2138	2566	2601	2323	2948
Coastal	425	599	2766	3574	4122	3876	4269	4029	4246
TAMIL NADU									
Tuticorin	922	2117	4016	4900	4541	5099	5408	5606	6876
Madras	5087	6412	11107	14097	15000	15064	16286	16879	19247
Other Ports	195	101	385	326	217	182	248	62	93
Total	6204	8630	15508	19323	19758	20345	21942	22547	26216
Overseas	5488	7365	9361	8788	8978	8413	10187	9807	11591
Coastal	716	1265	6147	10535	10780	11932	11755	12740	14625

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

(In '000 Tonnes)

Port/State/Type of Traffic	1975-76	1980-81	1985-86	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
PONDICHERY									
Other Ports	392	49	118	229	70	53	47	22	26
Total	392	49	118	229	70	53	47	22	26
Overseas	392	49	118	229	70	53	47	22	26
Coastal	-	-	-	-	-	-	-	-	-
ANDHRA PRADESH									
Visakhapatnam									
Other Ports	2876	3999	8941	10410	10322	10431	12774	12930	15837
Total	90	331	666	642	504	402	632	545	461
Overseas	2966	4330	9607	11052	10826	10833	13406	13475	16298
Coastal	2904	3797	5528	7824	8429	8999	12622	12018	13676
	62	533	4079	3228	2397	1834	784	1457	2622
ORISSA									
Paradip									
Other Ports	189	307	957	2460	2839	2880	2428	2581	3491
Total	-	-	-	26	50	118	154	131	161
Overseas	189	307	957	2486	2889	2998	2582	2712	3652
Coastal	188	306	957	2486	2889	2998	2582	2708	3499
	1	1	-	-	-	-	-	4	153

1.1.3 Cargo Unloaded (Overseas & Coastal) At Ports - By State (In '000 Tonnes)									
Port/State/Type of Traffic	1975-76	1980-81	1985-86	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
WEST BENGAL									
Calcutta-Haldia	4479	6988	8657	9756	10416	11253	12915	12217	14082
Other Ports	-	-	-	-	-	-	-	-	-
Total	4479	6988	8657	9756	10416	11253	12915	12217	14082
Overseas	3810	5983	7841	8701	9366	10125	11017	10261	11600
Coastal	669	1005	816	1055	1050	1128	1898	1956	2482
SEA-ISLANDS									
Other Ports	40	114	116	31	235	238	238	238	232
Total	40	114	116	31	235	238	238	238	232
Overseas	-	-	-	-	-	-	-	-	-
Coastal	40	114	116	31	235	238	238	238	232
ALL INDIA									
MAJOR PORTS	33333	46816	67974	80856	85088	86569	98439	100823	113201
Other Ports	2413	2498	4907	5388	7677	7781	9329	11405	13969
Total	35746	49314	72881	86244	92765	94350	107768	112228	127170
Overseas	30938	41011	49691	58378	64736	64674	80321	83583	92203
Coastal	4808	8303	23190	27866	28029	29676	27447	28645	34967

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

(In '000 Tonnes)

Port/State/Type of Traffic	1975-76	1980-81	1985-86	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
GUJARAT									
Kandla	279	571	1311	2170	2414	2854	2407	3547	3851
Other Ports	1883	1288	1701	3132	3320	4051	4550	6213	6624
Total	2162	1859	3012	5302	5734	6905	6957	9760	10475
Overseas	1536	1429	1670	4166	4535	5539	5778	8588	8200
Coastal	626	430	1342	1136	1199	1366	1179	1172	2275
MAHARASHTRA									
Mumbai	3996	3769	12363	14605	15180	14755	13714	13068	14511
Jawaharlal Nehru	-	-	-	190	377	733	902	1299	1718
Other Ports	893	1243	1294	1085	600	227	5	24	145
Total	4889	5012	13657	15880	16157	15715	14621	14391	16374
Overseas	3398	3078	4270	4870	4214	4185	4165	6111	6320
Coastal	1491	1934	9387	11010	11943	11530	10456	8280	10054
GOA									
Mormugao	12093	12921	14494	12685	13190	12703	13920	16182	16149
Other Ports	3	1	2	-	1	6	124	124	124
Total	12096	12922	14496	12685	13191	12709	14044	16306	16273
Overseas	12093	12921	14496	12664	13155	12515	13531	15657	15421
Coastal	3	1	-	21	36	194	513	649	852
Daman & Diu									
Other Ports	9	4	neg.	-	-	-	-	-	-
Total	9	4	neg.	-	-	-	-	-	-
Overseas	-	-	neg.	-	-	-	-	-	-
Coastal	9	4	neg.	-	-	-	-	-	-

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

(In '000 Tonnes)

Port/State/Type of Traffic	1975-76	1980-81	1985-86	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
KARNATAKA									
New Mangalore	133	324	2690	6367	6659	6976	5558	7385	6365
Other Ports	608	817	423	309	340	160	186	146	168
Total	741	1141	3113	6676	6999	7136	5744	7531	6533
Overseas	496	966	2963	6606	6744	6559	5658	7237	6074
Coastal	245	175	150	70	255	577	86	294	459
KERALA									
Cochin	937	1121	720	1071	1024	1048	1114	1269	1438
Other Ports	111	171	99	117	121	121	119	98	98
Total	1048	1292	819	1188	1145	1169	1233	1367	1536
Overseas	391	303	566	566	466	540	683	784	973
Coastal	657	989	253	622	679	629	550	583	563
TAMIL NADU									
Tuticorin	444	443	205	424	534	769	807	1094	1165
Madras	2796	3963	7041	9843	9518	9982	9045	9662	10217
Other Ports	108	92	95	50	10	3	12	18	31
Total	3348	4498	7341	10317	10062	10754	9864	10774	11413
Overseas	3003	3614	6140	8948	8736	9436	8458	9621	9619
Coastal	345	884	1201	1369	1326	1318	1406	1153	1794

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

(In '000 Tonnes)

Port/State/Type of Traffic	1975-76	1980-81	1985-86	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
PONDICHERY									
Other Ports	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-
Overseas	-	-	-	-	-	-	-	-	-
Coastal	-	-	-	-	-	-	-	-	-
ANDHRA PRADESH									
Visakhapatnam	5672	6124	6970	10707	9099	11091	9991	12665	14192
Other Ports	448	518	408	732	620	778	928	1262	926
Total	6120	6642	7378	11439	9719	11869	10919	13927	15118
Overseas	6048	6503	6597	8477	6515	7015	6535	8309	7862
Coastal	72	139	781	2962	3204	4854	4384	5618	7256
ORISSA									
Paradip	3137	1934	2374	3724	4045	4417	5178	5746	6630
Other Ports	-	-	-	42	11	32	53	81	39
Total	3137	1934	2374	3766	4056	4449	5231	5827	6669
Overseas	3127	1934	2092	2474	2112	2080	1845	2145	2479
Coastal	10	-	282	1292	1944	2369	3386	3682	4190

1.1.4 Cargo Loaded (Overseas and Coastal) At Ports - By State									
(In '000 Tonnes)									
Port/State/Type of Traffic	1975-76	1980-81	1985-86	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)

WEST BENGAL

Calcutta-Haldia	3184	2284	3471	4933	4537	4747	5422	6279	6453
Other Ports	-	-	-	-	-	-	-	-	-
Total	3184	2284	3471	4933	4537	4747	5422	6279	6453
Overseas	2019	1137	823	997	1006	1123	1366	1676	1555
Coastal	1165	1147	2648	3936	3531	3624	4056	4603	4898

SEA-ISLANDS

Other Ports	28	100	126	1	82	99	99	99	60
Total	28	100	126	1	82	99	99	99	60
Overseas	-	3	-	-	-	-	-	-	-
Coastal	28	97	126	1	82	99	99	99	60

ALL INDIA

Major Ports	32671	33454	51639	66719	66577	70075	68058	78196	82689
Other Ports	4091	4234	4148	5468	5105	5477	6076	8065	8215
Total	36762	37688	55787	72187	71682	75552	74134	86261	90904
Overseas	32111	31888	39617	49768	47483	48992	48019	60128	58503
Coastal	4651	5800	16170	22419	24199	26560	26115	26133	32401

SECTION-II

MAJOR PORTS

- 2.1 PORT FACILITES**
- 2.2 CARGO TRAFFIC**
- 2.3 PASSENGER TRAFFIC**
- 2.4 SHIP TRAFFIC**
- 2.5 PORT FACILITIES**
- 2.6 PORT PERFORMANCE**
- 2.7 EMPLOYMENT**
- 2.8 FINANCIAL PERFORMANCE**

2.1.1 Topography Of Major Ports

Port	Location		Entrance Channel			Turning Circle			Type of Dock/Port
	Latitude	Longitude	Distance of anchor from Harbour entrance (Km)	Minimum Depth (Mtrs)	Minimum Width (Mtrs)	Minimum Diameter (in mtrs.)	No.	Diameter	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	
Kandla	22 55'7"N	70 07'1"E	27.8	4.3	185	No turning circle available.			Tidal Port with straight line cargo berth. Off-shore Oil Terminal. (Single buoy Mooring)
Mumbai	18 54'N	72 49'E	9.6	10.9	366	1 (Applicable only at Old Pir Pau.)	366		Natural Harbour and impounded wet docks.
J.L. Nehru	18 56.5'N	72 57.5'E	2.0	13.5	220	1	600		Hi-TECH Port with Off-shore berths for servicing Modern containers & Dry Bulk Carriers (Discharge of Food/Raw Fertiliser & Sulphur). Open type Harbour protected by break-water
Mormugao	15 25'N	73 47'E	5.0	13.7	250	1	480		Artificial lagoon port with open berth.
New Mangalore	12 55'N	74 48'E	6.0	13.5	245	1	590		Protected wet port.
Cochin	9 58'N	76 14'E	10.5	11.8	185	2	730		

2.1.1 Topography Of Major Ports

Port	Location	Entrance Channel	Turning Circle	Type of Dock/Port				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Tuticorin	8 45'N	78 13'E	5.6	9.2	153	1	488	Open to wind & weather
Madras	13 6'N	80 18'E	6.7	IH 18.6 OH 19.2	244	1	548	Artificial Harbour with wet docks.
Visakhapatnam	17 41'N	83 18'E	4.4	10.7	80	1	366	Natural Harbour.
-Inner Harbour			2.6	19.0	200	1	610	
-Outer Harbour								
Paradip	20 15'N	86 40'E	5.8	12.8	160	1	520	Artificial Lagoon Type port/open docks.
Calcutta	22 33'N	88 19'E	232	6.7	467	2	549	Impounded-wet docks and river side jetties.
Haldia	22 2'N	80 6'E	115	6.7	467	1	549	

IH = Inner Harbour.
OH = Outer Harbour.

2.1.2 Details of Berths At Major Ports

Port	Type of Berth (No.)	Draft (In mtr.)	Length (In mtr.)	Max. size of ships that can be accommodated (DWT)	Percentage occupancy during 1994-95
(1)	(2)	(3)	(4)	(5)	(6)
Kandla	General Cargo Jetties (7)	9.75	225.55	54000	98
	Oil Jetty - I (1)	10.36	225.55	40000	96
	Oil Jetty - II (1)	9.14	192.02	28000	89
	Oil Jetty - III (1)	9.45	225.55	40000	96
	S.B.M. (Vadinar) (1)	22.0	-	280000	46
Mumbai	Indira Dock (28*)	8.5-10.7	244	Length overall 600 feet.	80
	Victoria Dock (12)	7.9	152	Length overall 460 feet.	68
	Princes Dock (8)	7.3	212	Length overall 500 feet.	87
	Jawahar Dweep (4) Pir Pau Oil Pier (1)	11.6-14.3 9.7	244-493 174	80000 DWT 16000 DWT	81 91
J.L. Nehru	Container (3)	13.5 (each)	680 Linear length of Quay	3rd Generation container U/L's	82
	Dry Bulk (2)	13.5 (each)	500	70000 DWT	75
	Service	13.5	212	50000 DWT	84

*: Included 7 Container berths.

2.1.2 Details of Berths At Major Ports (Contd.)

Port	Type of Berth (No.)	Draft : (In mtr.)	Length : (In mtr.)	Max. size of ship : that can be accommodated (DWT)	Percentage occupancy : during 1994-95
(1)	(2)	(3)	(4)	(5)	(6)
Mormugao	General Cargo	8.5	159	25000	55
	General Cargo	6.0	223	30000	59
New Mangalore	Berge Berth (adjacent to berth No.6)	3.5	100	-	43
	Oil Berth	12.5	116(298**)	100000	81
	MOHP	13.0	222(357**)	275000	82
	Multi purpose General	C.10.0	250	34000	80
	Multi purpose General	C.10.0	270	34000	70
	General (7)	7.0-10.1	125-198	2000	18,57,63,47
	KLOCL (1)	12.5	285	(each)	73,49,44
	Oil Jetty (1)	10.1	330	6000	77
				3000	48

** : Length between extreme mooring dolphins.

2.1.2 Details of Berths At Major Ports (Contd.)

Port	Type of Berth (No.)	Draft : (In mtr.)	Length : (In mtr.)	Max. size of ship : that can be accommodated (DWT)	Percentage occupancy : during 1994-95
(1)	(2)	(3)	(4)	(5)	(6)
Cochin	Break bulk (8)	8.0-9.1 (each)	152-183	...	36, 44, 41, 38 51, 40, 61, 67 64, 79, 42 71 41
	Fertiliser (3)	8.0-10.7	152-207	...	
	Oil Terminal (1)	10.7-11.7	198-440	120000	
	Tanker berth (2)	9.1	-	...	
	(North/South)				
	Container (1)	9.1-10.7	414	...	44
Tuticorin	Terminal (08/09)				
	General Cargo Berth (6)	8.2	168-192		93
	Oil Jetty (1)	8.2	228	50000	33
	Coal Jetty (2)	8.2	235	(Draft is the limiting factor)	88
Madras	Finger Jetty (1)	4.5	90		-
	Break Bulk/Neo Bulk (9)	7.92-9.14	157-198	...	67, 81, 70, 67, 79, 75 90, 75, 96 84, 84, 76
	Container Terminal (3)	13.4 (each)	200	...	
	Liquid Bulk (2)	16.00-17.4	3048338.94	...	76, 78
	Dry Bulk (4)	11.00-17.4	218-222	...	87, 78, 87, 66
	Others (6)	9.14-10.4	179-246	...	77, 98, 100, 84, 89, 85

2.1.2 Details Of Berths At Major Ports (Contd.)

Port	Type of Berth (No.)	Draft : (In mtr.)	Length : (In mtr.)	Max. size of ship : that can be accommodated (DWT)	Percentage occupancy during 1994-95
(1)	(2)	(3)	(4)	(5)	(6)
Visakhapatnam					
Inner Harbour :					
	Multi-Purpose Berths* 10.1-10.2	168-195	36000	104	
	(11)				
	Dry Bulk Berth (1)	10.1	194	35000	83
	(Mech) F B				
	Oil Berth (2)				
	Liquid Bulk Berth	10.1**	183	36000	54
	Liquid Bulk Berth	9.8	183	36000	101
Outer Harbour :					
	Ore Berth (2)				
	Dry Bulk Berth (Iron-ore) 16.0	270	120000	82	
	Dry Bulk Berth (Iron-ore) 16.0	270	120000	67	
	General-cum-Bulk				
	Cargo Berth (1)	13.2	232	60000	105
	Off-shore Tanker				
	Terminal Berth (1)	15.0	280	120000	57

* For handling Break- Bulk/Container.

** On a rising tide of 0.91 meters.

2.1.2 Details of Berths At Major Ports (Contd.)

Port	Type of Berth (No.)	Draft (In mtr.)	Length (In mtr.)	Max. size of ship that can be accommodated (DWT)	Percentage occupancy during 1994-95
(1)	(2)	(3)	(4)	(5)	(6)
Paradip	General Cargo Berth (3)				
	Dry & Break-Bulk-I	11.0	291	50000-55000	86
	Dry & Break-Bulk-II	11.0	196	-do-	72
	Dry & Break-Bulk-III	11.0	200	-do-	90
	Iron Ore Berth (1) (Mechanised Dry-bulk)	11.9	155	50000-80000 (depend on ween Dolphin)	81
Calcutta	Fertiliser Berth (1) (Mechanised Liquid bulk)	11.0	252	40000-60000 weather conditions)	60
	South Quay*	11.0	215	50000-55000	82
	Multi Purpose Berth (20)				
	1. Berth 1/KPD	9.2	133	515' length 70' Breadth	54
	2. Berth 5/7/KPD	9.2	229	- do -	67
	3. Berth 9.KPD	9.2	108	- do -	45
	4. Berth 11KPD	9.2	151	- do -	38
	5. Berth 4KPD	9.2	136	- do -	45

* 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 1994-95
(1)	(2)	(3)	(4)	(5)	(6)
Calcutta (Contd.)	6. Berth 8/KPD	9.2	128	515' length 70' Breadth	69
	7. Berth 10KPD	9.2	161	- do -	59
	8. Berth 12KPD	9.2	143	- do -	76
	9. Berth 24KPD	9.2	152	- do -	67
	10. Berth 25KPD	9.2	159	- do -	40
	11. Berth 26KPD	9.2	185	- do -	39
	12. Berth 27KPD	9.2	195	- do -	46
	13. Berth 28KPD	9.2	195	- do -	45
	14. Berth 29KPD	8.2	183	- do -	48
	15. Berth 1NSD	9.3	200	565' length 80' Breadth	49
	16. Berth 2NSD	9.3	157	- do -	64
	17. Berth 3NSD	9.3	183	- do -	67
	18. Berth 4NSD	9.3	181	- do -	56
	19. Berth 14NSD	0.3	174	- do -	69
	20. Berth 13NSD	8.1	174	- do -	65
	Container & Gen. Cargo				
	1. Berth 3KPD	9.2	128	- do -	67
	Lash Barges				
	1. Berth 6KPD	9.2	118	- do -	30
	Passenger & Gen. Cargo				
	1. Berth 22KPD	9.2	151	515' length 70' Breadth	90
	Foodgrains				
	1. Berth 23KPD	9.2	147	- do -	46

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 1994-95
(1)	(2)	(3)	(4)	(5)	(6)
Calcutta (Contd.)	Containers				
	1. Berth 5NSD	8.4	183	565' Length 80' Breadth	56
	2. Berth 7NSD	8.1	192	- do -	59
	Oil Berth				
	1. Berth 12NSD	8.1	152	- do -	42
	Liquid Bulk				
	Berth 1 BuJ BuJ	Upto 9 Mtrs.	215	625' Length	61
	Berth 2 -do-	-do-	183	-do-	39
	Berth 3 -do-	-do-	85	-do-	38
	Berth 5 -do-	-do-	183	-do-	44
Haldia	Berth 7 -do-	...	...	...	49
	Berth 8 -do-	-do-	220	-do-	38
	1. Liquid Bulk	8.5	229	LOA 238 mts.	68
	2. Dry Liquid Bulk	10.0	338		83
	3. Dry Bulk	10.0	284		73
	4. Dry Liquid Bulk	10.0	243	LOA 239 mts.	65
	5. Dry/Break/Liquid Bulk	10.0	235	Beam 32.3 mts.	
	6. -do-	10.0	235		86
	7. Dry/Break/Container	10.0	235		88
	8. -do-	10.0	443		92
Haldia	9. Berth No.2 (commissioned in oct 91)	...	...	...	56
	Liquid Bulk in oct 91)	...	...	...	56

2.1.3. Storage Facilities At Major Ports

Port	Dry Storage Accomodation			Liquid Storage Tanks			
	Type	No.	Area (Sq. mtrs)	No.	Location	Capacity	Type of Cargo
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Kandla	i) Transit Sheds	10	...			60000 (T)	
	ii) Ware-Houses (Double storage)	4	22311			60000	
	iii) Other covered areas (Godowns)	8	23617			40000	
	iv) Open area					250000	
	v) Container Freight Station	1				5000	
Mumbai	i) Transit Sheds	28	194983	4	P&V Docks	Varies from 5.41 lakh litres to 128.31 lakh litres.	Molasses/ Caster Oil
	ii) Ware-Houses	33	143402				
	iii) Other covered area (container freight station)	7	21287	8	BPT Jawahar Deep 6 BPC	Varies from 810-10222 KL BPT, 22000-32000 KL BPC.	POL Products & fresh water
	iv) Open Area (At various places)		318111				
	v) Container Storage Yard	4	5830				
			Ground slots for Containers.				

2.1.3. Storage Facilities At Major Ports (Contd.)

Port	Dry Storage Accomodation			Liquid Storage Tanks			
	Type	No.	Area (Sq. mtrs)	No. Location	Capa-city	Type of Cargo	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Mormugao	i) Transit Sheds	2	10291	8 Within Harbour	18025	Molasses, Liquid Ammonia, Caustic, Soda etc.	
	ii) Ware-Houses	2	5336				
	iii) Other covered area						
	(a) Ware house at Vasco	3	4381				
	(b) CMC's godowns near dock	2	4400				
	(c) CMC godowns at Headland	2	4012				
	(d) Food Corporation of India godowns at Headland	2	8268				
	iv) Open Storage						
	(a) At Berth No.6		19000				
	(b) Adjacent Berth No.6		6000				
	(c) At Berth No.10		16000				
	(d) At Vasco Yard		8000				
	(v) Stock Yard at Mechanical Ore handling plant		80,000				
New Mangalore	i) Transit Sheds	5	12144	34 Inside and	140400 KL	Naptha, Petro-	
	ii) Ware-Houses	8	17520	outside the	&	lium products,	
	iii) Other covered storage	-	-	security wall.	26000 MT	Molasses, Palm-	
	iv) Open area	3	24857			oil, Phosphoric	
						Acid Ammonia etc.	

2.1.3. Storage Facilities At Major Ports (Contd.)

Port	Dry Storage Accomodation			Liquid Storage Tanks			
	Type	No.	Area (Sq. mtrs)	No.	Location	Capa- city	Type of Cargo
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Cochin	i)Transit Sheds	10	30013	14	Near BTB	12140 Tonnes	Cashew Shell Liquid, Liquid Ammonia,
	ii)Ware-Houses	8	18076				
	iii)Over Flow Sheds	7	12585	1	S C B		Phosphoric Acid.
	iv)Hazardous Sheds	3	267				
	v)Container freight station	1	3402	2	Q 10		
	vi)Carbide Shed	1	61				
Tuticorin	i)Transit Sheds	2	10800	15	Circular Tank- located near Red Gate,Behind VOC Statue & Berth IV.	20000 MT 7790 KL 85340 M3	Liquid Ammonia, Phosphoric Acid, Vinyl Chloride Monomer,
	ii)Ware-houses	3	15550	1	Shed Opp.Blue Gate	5000 M3	Furnace oil,
	iii)Other covered area	2	733 & 739			2000 M3	Naptha,Light Diesel oil,Petroleum gas.
	iv)Open Area		54000	10	Bunets Opp.Blue Gate		
Madras	i)Transit Sheds	10	47841	16	Bharathi Dock/ South Quay	76400 Tonnes	Oils, Acids & Chemicals.
	ii)Ware-Houses	12	65686				
	iii)Container Freight station	2	12600				
	iv)Covered area for FCI	6	43450				
	v)Open space	-	32500				
	vi)Container Parking Yard	-	61000				

2.1.3. Storage Facilities At Major Ports (Contd.)

Port	Dry Storage 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 (S.2 & S.3 sheds)	2	8113		berths area		Caustic Soda, P.Acid & Ammonia.
	iv) Open area	51	998795				
Paradip	i) Transit Sheds	5	19780	2	10km. from port.	-	Ammonia &
	ii) Ware-Houses	4	8968				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 1992-93, 1993-94 and 1994-95

S.No.	Name Of The Port	Equipments	1992-93			1993-94			1994-95		
			(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
						% Avail- % Utili- % Avail- % Utili- % Avail- % Utili- ability sation ability sation ability sation					
1.	Kandla	Wharf Crane Mobile Crane Forklift Truck				75.0 100.0 92.0	22.0 - 23.0	78.0 100.0 92.0	35.0 - 29.0	85.0 100.0 91.0	38.0 - 25.0
2.	Mumbai	Wharf Crane Mobile Crane Forklift Truck				87.0 82.0 73.0	21.0 22.0 30.0	90.0 88.0 89.0	24.0 23.0 30.0	88.0 84.0 90.0	25.0 23.0 22.0
3.	Mormugao	Wharf Crane Mobile Crane Forklift Truck				87.0 97.0 88.0	39.0 12.0 11.0	85.0 98.0 88.0	34.0 15.0 15.0	96.0 97.0 84.0	22.0 15.0 17.0
4.	N.Mangalore	Wharf Crane Mobile Crane Forklift Truck				44.0 73.0 78.0	2.0 2.0 3.0	63.0 68.0 78.0	2.0 - 4.0	82.0 65.0 70.0	7.0 2.0 7.0
5.	Cochin	Wharf Crane Mobile Crane Forklift Truck				77.0 50.0 60.0	7.0 12.0 13.0	80.0 56.0 64.0	6.0 12.0 24.0	82.0 60.0 72.0	10.0 10.0 17.0

**2.1.4 Performance Of Cargo Handling Equipments
For The Years 1992-93, 1993-94 and 1994-95**

S.No.	Name Of The Port	Equipments	1992-93		1993-94		1994-95	
			% Avail- ability	% Utili- sation	% Avail- ability	% Utili- sation	% Avail- ability	% Utili- sation
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
6.	Tuticorin	Wharf Crane Mobile Crane Forklift Truck	95.0 52.0 91.0	25.0 12.0 13.0	91.0 68.0 98.0	19.0 12.0 14.0	87.0 82.0 87.0	22.0 10.0 12.0
7.	Madras	Wharf Crane Mobile Crane Forklift Truck	84.0 82.0 76.0	35.0 33.0 34.0	89.0 76.0 76.0	31.0 31.0 31.0	90.0 87.0 77.0	32.0 29.0 30.0
8.	Visakhapatnam	Wharf Crane Mobile Crane Forklift Truck	92.0 87.0 70.0	40.0 15.0 33.0	95.0 81.0 73.0	39.0 14.0 23.0	92.0 85.0 82.0	37.0 21.0 28.0
9.	Paradip	Wharf Crane Mobile Crane Forklift Truck	84.0 73.0 88.0	23.0 9.0 9.0	89.0 75.0 83.0	6.0 6.0 11.0	89.0 70.0 85.0	20.0 12.0 7.0
10.	Calcutta	Wharf Crane Mobile Crane Forklift Truck	82.0 54.0 67.0	24.0 26.0 36.0	83.0 55.0 66.0	17.0 24.0 27.0	67.0 57.0 67.0	18.0 23.0 30.0

Average Norms for:

1. Wharf Crane : Availability 85% to 90%
Utilisation 35% and above
 2. Mobile Crane : Availability 82% to 85%
Utilisation 30% and above
 3. Forklift Truck: Availability 75% to 80%
Utilisation 35% and above
- Source : Development Wing, Ministry Of Surface Transport

2.2.1 Growth Of Cargo Traffic Handled At Major Ports

Year	(In Million Tonnes)									
	Overseas					Coastal				
	: Unloaded:Loaded : Total					: Unloaded:Loaded : 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	74.09	43.28	117.37	24.35	24.78	49.13	98.44	68.06	166.50	
1993-94	76.02	53.48	129.50	24.81	24.71	49.52	100.83	78.19	179.02	
1994-95	83.60	52.18	135.78	29.60	30.51	60.11	113.20	82.69	195.89	

2.2.2 Cargo Traffic Handled At Various Major Ports

(In Million Tonnes)

Year	Kandla	Mumbai	J.L. : Nehru	Mormu- : gao	N.Manga- : lore	Cochin : :	Tut- : corin	Madras : patnam	Visakha : :	Paradip : :	Calcutta : /Haldia	Total
1	2	3	4	5	6	7	8	9	10	11	12	13
1951-52	-	7.50	-	-	-	1.61	-	2.05	1.14	-	9.45	21.75
1955-56	0.15	9.68	-	-	-	1.64	-	2.34	1.29	-	8.01	23.11
1960-61	1.57	14.35	-	-	-	2.01	-	3.04	2.76	-	9.39	33.12
1965-66	2.51	17.91	-	7.87	-	2.87	-	4.87	4.46	-	9.73	50.22
1970-71	1.61	14.37	-	11.01	-	4.81	-	6.92	8.73	2.16	5.97	55.58
1975-76	3.20	16.65	-	12.77	0.34	4.26	1.36	7.88	8.55	3.33	7.66	66.00
1980-81	8.76	16.98	-	13.77	0.96	5.23	2.56	10.38	10.12	2.24	9.27	80.27
1981-82	9.69	19.40	-	14.98	1.64	5.50	2.67	11.41	10.99	2.23	9.47	87.98
1982-83	12.36	23.21	-	12.81	2.27	5.71	3.23	12.07	10.22	1.57	10.25	93.70
1983-84	14.16	23.89	-	12.84	2.84	5.00	3.55	12.84	9.88	1.37	10.01	96.38
1984-85	15.74	26.94	-	14.30	3.38	4.07	3.77	14.13	11.08	2.14	10.27	105.82
1985-86	16.49	24.31	-	16.12	3.69	5.28	4.22	18.15	15.91	3.33	12.13	119.63
1986-87	16.19	25.08	-	14.92	5.43	6.88	4.13	19.78	15.04	4.85	12.07	124.37
1987-88	18.08	29.57	-	13.33	6.11	6.80	4.26	22.82	15.37	5.19	13.07	134.60
1988-89	17.81	29.34	-	15.39	7.09	7.82	5.13	23.86	20.37	6.03	14.22	147.06
1989-90	18.92	27.75	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	28.95	3.01	16.31	7.09	7.98	6.22	25.33	22.76	7.60	18.34	166.50
1993-94	24.50	30.51	3.38	18.72	8.63	7.62	6.70	26.54	25.59	8.33	18.50	179.02
1994-95	26.50	30.67	5.01	18.88	8.01	8.63	8.04	29.46	30.03	10.12	20.54	195.89

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

(In '000 Tonnes)

Year	POL	Ferti- liser	Fertili- ser Raw Material	Iron Ore	Coal	Food- grains	Others	Total	Of which	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1950-51	3458	288	120	277	2832	3313	9096	19384	...	...
1960-61	12255	683	208	1333	2131	5157	11348	33125	22579	10546
1970-71	18893	1227	1040	19203	675	3193	11348	55579	25557	30022
1980-81	33578	4278	1933	22836	2110	975	14560	80270	46816	33454
1981-82	34154	2951	2142	25114	3148	2376	18095	87980	48391	39589
1982-83	45340	4023	*	22218	4875	2347	14894	93697	51648	42049
1983-84	49743	1893		21952	4164	3417	12866	96377	52205	44172
1984-85	49004	4226	2342	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	73764	3595	6318	29827	24488	2795	25710	166497	98439	68058
1993-94	76920	4183	5291	34096	26806	1964	29759	179019	100823	78196
1994-95	80373	4334	6667	34354	30798	1343	38021	195890	113201	82689

* Included in Fertilisers

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

(In '000 Tonnes)

Year	POL	Ferti- liser	Fertili- ser Raw Material	Food- grains	Others	Total	Of which	
							Unloaded	Loaded
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1960-61	708	52	41	413	359	1573	1231	342
1970-71	878	145	58	326	205	1612	1474	138
1980-81	7208	404	262	374	513	8761	8190	571
1981-82	7629	207	393	601	860	9690	9057	633
1982-83	10151	338	-	475	1394	12358	11653	705
1983-84	11361	93	136	514	2054	14158	13272	886
1984-85	11938	484	304	282	2737	15745	14570	1175
1985-86	12340	423	208	302	3213	16486	15175	1311
1986-87	11928	270	127	454	3415	16194	14854	1340
1987-88	13395	207	191	812	3478	18083	16281	1802
1988-89	13238	235	204	580	3550	17807	16439	1368
1989-90	14354	302	730	436	3103	18925	16755	2170
1990-91	15082	308	737	585	2993	19685	17271	2414
1991-92	16503	365	936	940	2258	21002	18148	2854
1992-93	17951	448	945	600	2966	22910	20503	2407
1993-94	18157	824	1043	629	3847	24500	20953	3547
1994-95	18898	705	1174	689	5036	26502	22651	3851

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

Year	(In '000 Tonnes)									
	POL	Ferti- liser	Fertili- ser Raw Material	Food- grains	Coal	Others	Total	Of which		
								Unloaded	Loaded	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
1950-51	1861	122	...	1823	163	3467	7436	...	...	
1960-61	7311	208	67	2113	20	4630	14349	10720	3629	
1970-71	8445	220	288	948	-	4469	14370	10973	3397	
1980-81	8998	733	543	87	-	6617	16978	13209	3769	
1981-82	9449	548	630	226	-	8543	19396	12794	6602	
1982-83	17101	936	...	362	-	4810	23209	11744	11465	
1983-84	16650	216	720	376	-	5927	23889	10372	13517	
1984-85	16929	339	702	117	-	8849	26936	11365	15571	
1985-86	15470	331	721	608	-	7180	24310	11947	12363	
1986-87	16313	236	985	497	-	7043	25074	11839	13235	
1987-88	19384	174	992	572	-	8446	29568	13570	15998	
1988-89	19063	162	1266	860	-	7991	29342	13567	15775	
1989-90	18210	141	1082	432	-	7781	27746	13141	14605	
1990-91	19670	46	621	625	-	7937	28899	13719	15180	
1991-92	19512	37	457	340	-	5915	26261	11506	14755	
1992-93	20303	39	928	544	-	7232	28946	15232	13714	
1993-94	20820	57	845	763	-	8021	30506	17438	13068	
1994-95	18833	70	892	616	-	10262	30673	16162	14511	

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

(In '000 Tonnes)

Year	POL	Fertiliser	Fertiliser Raw Material	Food-grains	Others	Total	Of which 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
1993-94	-	855	23	275	2234	3387	2088	1299
1994-95	-	1187	125	-	3696	5008	3290	1718

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

(In '000 Tonnes)

Year	POL	Ferti- liser	Ferti- ser Material	Iron Ore	Food- grains	Coal	Others	Total	Of which	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1950-51	54	-	-	259	27	187	102	629	..	..
1960-61	39	4	-	6035	54	10	259	6401	184	6217
1970-71	234	97	-	9555	19	-	1100	11005	353	10652
1980-81	589	178	19	12598	-	-	380	13764	843	12921
1981-82	657	138	64	13352	115	-	650	14976	1145	13831
1982-83	736	119	-	11407	43	-	509	12814	982	11832
1983-84	1020	142	61	11528	39	-	51	12841	938	11903
1984-85	904	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
1993-94	2098	141	135	15748	11	109	475	18717	2535	16182
1994-95	1938	70	191	15693	-	413	576	18881	2732	16149

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

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

(In '000 Tonnes)

Year	POL	Ferti- liser	Fertili- ser Raw Material	Food- grains	Iron Ore	Others	Total	Of which	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1980-81	310	207	-	4	3	439	963	639	324
1981-82	364	180	-	152	547	399	1642	821	821
1982-83	351	153	-	22	1122	624	2272	851	1421
1983-84	348	211	-	141	1231	906	2837	1242	1595
1984-85	437	247	-	83	1727	888	3382	995	2387
1985-86	412	219	-	-	2260	795	3686	996	2690
1986-87	533	165	-	-	3873	860	5431	1197	4234
1987-88	461	93	-	-	4357	1197	6108	1305	4803
1988-89	571	46	-	62	5011	1394	7084	1567	5517
1989-90	577	115	77	-	5877	1015	7661	1294	6367
1990-91	612	83	99	-	6125	1103	8022	1363	6659
1991-92	622	141	175	-	6493	843	8274	1298	6976
1992-93	630	241	115	258	5082	762	7088	1530	5558
1993-94	646	106	130	19	7060	669	8630	1245	7385
1994-95	742	87	162	-	6080	934	8005	1640	6365

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

Year	(In '000 Tonnes)										
	(1)	(2)	POL	Ferti- liser	Fertili- ser Raw Material	Food- grains	Coal	Others	Total	Of which	
										Unloaded	Loaded
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
1950-51		284	15	...	325	117	628	1369	...	...	...
1960-61		670	156	...	76	345	763	2010	1622	388	388
1970-71		3568	258	...	104	-	882	4812	3447	1365	1365
1980-81		3964	662	...	15	-	592	5233	4112	1121	1121
1981-82		4177	531	...	105	-	688	5501	4203	1298	1298
1982-83		4299	544	...	91	-	776	5710	4471	1239	1239
1983-84		3675	503	...	106	-	720	5004	4102	902	902
1984-85		2611	784	...	49	-	631	4075	3677	398	398
1985-86		3863	769	...	5	-	640	5277	4557	720	720
1986-87		5432	139	734	15	-	563	6883	5600	1283	1283
1987-88		5366	110	757	23	-	546	6802	5585	1217	1217
1988-89		6268	139	549	175	-	693	7824	6541	1283	1283
1989-90		5589	209	680	45	-	601	7124	6053	1071	1071
1990-91		5804	181	684	40	-	566	7275	6251	1024	1024
1991-92		5881	148	821	19	-	612	7481	6433	1048	1048
1992-93		6222	136	800	90	-	730	7978	6864	1114	1114
1993-94		6101	39	704	-	-	776	7620	6351	1269	1269
1994-95		6635	95	816	-	-	1085	8631	7193	1438	1438

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

(In '000 Tonnes)

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

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

Year	(In '000 Tonnes)									
	POL	Ferti- liser	Fertili- ser Raw Material	Food- grains	Iron Ore	Coal	Others	Total	Of which	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	Unloaded	Loaded
1950-51	508	151	1	488	-	410	647	2205	...	...
1960-61	601	210	25	444	484	363	912	3039	2128	911
1970-71	2897	300	165	721	2149	15	878	6925	3737	3188
1980-81	4525	612	422	220	2748	62	1786	10375	6412	3963
1981-82	4789	581	176	341	3371	76	2075	11409	6796	4613
1982-83	5479	669	...	535	3169	16	2206	12074	7446	4628
1983-84	6584	239	421	667	3216	168	1541	12836	7832	5004
1984-85	7114	590	563	312	4283	106	1164	14132	8050	6082
1985-86	9191	700	277	136	4768	204	2872	18148	11107	7041
1986-87	6724	620	259	98	5304	781	5989	19775	10801	8974
1987-88	7337	373	317	45	5400	1866	7481	22819	12598	10221
1988-89	8769	410	326	471	5746	2616	5225	23863	13749	10114
1989-90	8455	422	311	137	6046	3643	4893	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	9832	582	271	242	4838	5588	3978	25331	16286	9045
1993-94	11033	858	288	89	4540	5857	3876	26541	16879	9662
1994-95	11942	834	403	10	5149	6448	4678	29464	19247	10217

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

(In '000 Tonnes)

Year	POL	Ferti- liser	Ferti- ser Raw Material	Food- grains	Iron Ore	Coal	Others	Total	Of which	
									Unloaded	Loaded
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1950-51	24	-	-	47	-	5	766	842	..	..
1960-61	1566	5	1	311	118	18	744	2763	1386	1377
1970-71	1666	204	418	223	4935	-	1287	8733	2325	6408
1980-81	2386	397	424	127	5657	353	779	10123	3999	6124
1981-82	2113	98	497	466	6194	433	1194	10995	4008	6987
1982-83	2108	512	..	349	5526	805	916	10216	4150	6066
1983-84	3126	81	445	438	4967	365	460	9882	4295	5587
1984-85	3470	386	518	107	5776	701	124	11082	4752	6330
1985-86	6274	299	671	82	5727	1737	1121	15911	8941	6970
1986-87	5307	164	540	263	5881	976	1904	15035	7195	7840
1987-88	5566	108	642	34	5585	2516	920	15371	7561	7810
1988-89	6999	145	701	265	6930	3810	1522	20372	10340	10032
1989-90	6828	410	1115	113	6791	4221	1639	21117	10410	10707
1990-91	5598	459	1290	-	5496	4889	1689	19421	10322	9099
1991-92	6384	504	1325	27	6161	5648	1473	21522	10431	11091
1992-93	7592	484	1336	171	4960	6021	2201	22765	12774	9991
1993-94	8906	682	1092	46	5230	6624	3015	25595	12930	12665
1994-95	11237	790	1337	3	5551	7771	3340	30029	15837	14192

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

(In '000 Tonnes)

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

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

Year	POL	Ferti- liser	Ferti- ser Raw Material	Food- grains	Iron Ore	Coal	Others	Total	(In '000 Tonnes)	
									Of which	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	Unloaded	Loaded
1950-51	781	-	119	630	277	2137	3588	7532	...	...
1960-61	1409	51	74	1800	731	1385	3941	9391	5492	3899
1970-71	1405	3	111	852	430	660	2504	5965	3247	2718
1980-81	5154	559	116	68	13	885	2477	9272	6988	2284
1981-82	4505	349	191	172	13	1421	2823	9474	6763	2711
1982-83	4595	346	-	423	10	2129	2741	10244	6984	3260
1983-84	4754	207	194	938	20	1947	1954	10014	6864	3150
1984-85	5092	560	238	204	6	1708	2460	10268	6979	3289
1985-86	6059	471	300	-	-	2319	2979	12128	8657	3471
1986-87	5722	371	232	75	-	2481	3191	12072	8192	3880
1987-88	5912	183	298	116	-	3132	3430	13071	8836	4235
1988-89	6469	239	291	447	-	3605	3172	14223	9695	4528
1989-90	6436	384	388	193	-	4178	3110	14689	9756	4933
1990-91	7257	231	457	92	-	4134	2782	14953	10416	4537
1991-92	7690	275	479	60	-	4603	2893	16000	11253	4747
1992-93	8940	313	527	117	-	5068	3372	18337	12915	5422
1993-94	8696	224	288	103	-	5434	3751	18496	12217	6279
1994-95	9731	150	413	25	-	5841	4375	20535	14082	6453

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

(In '000 Tonnes)

	P O R T S												
Year	Kandla : : Nehru	Mumbai : : J.L.	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	
OVERSEAS													
1975-76	2359	14221	-	12309	276	3247	786	7411	8414	3315	5829	58167	
1980-81	7359	12632	-	13542	651	3807	1178	9508	9456	2240	7120	67593	
1985-86	9375	14170	-	15657	3225	2301	1508	13548	11051	3049	8664	82548	
1986-87	8897	13626	-	14222	4885	2636	1069	15193	10625	4194	8018	83365	
1987-88	10314	16349	-	12718	5669	3554	964	16930	10866	4171	8565	90100	
1988-89	11078	16227	-	14865	6546	3639	1742	15789	14883	5052	9370	99191	
1989-90	11704	16455	697	13511	7179	2965	1935	15426	14927	4892	9698	99389	
1990-91	13634	16363	2022	14212	7284	2518	1969	15518	13820	4940	10372	102652	
1991-92	14683	14321	2794	14175	7130	3020	2225	15439	14834	4928	11248	104797	
1992-93	18487	18379	3007	15251	6465	3194	2544	15841	17597	4220	12383	117368	
1993-94	21182	22045	3387	17567	7792	3047	2351	16997	18555	4641	11937	129501	
1994-95	21822	20605	4933	17445	6937	3861	3202	17884	20156	5778	13155	135778	
COASTAL													
1975-76	844	2429	-	459	63	1011	580	472	134	11	1834	7837	
1980-81	1402	4346	-	222	312	1426	1382	767	667	1	2152	12677	
1985-86	7111	10140	-	458	461	2976	2713	4600	4860	282	3464	37065	
1986-87	7297	11448	-	697	546	4247	3061	4582	4410	659	4054	41001	
1987-88	7769	13219	-	614	439	3248	3297	5889	4505	1016	4506	44502	
1988-89	6729	13115	-	524	538	4185	3383	8074	5489	980	4853	47870	
1989-90	7221	11291	-	657	482	4159	3389	8514	6190	1292	4991	48186	
1990-91	6051	12536	-	699	738	4757	3106	9000	5601	1944	4581	49013	
1991-92	6319	11940	-	924	1144	4461	3643	9607	6688	2369	4752	51847	
1992-93	4423	10567	-	1063	623	4784	3671	9490	5168	3386	5954	49129	
1993-94	3318	8461	-	1150	838	4573	4349	9544	7040	3686	6559	49518	
1994-95	4680	10068	75	1436	1068	4770	4839	11580	9873	4343	7380	60112	

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

(In '000 Tonnes)

Year	P O R T S												
	Kandla	Mumbai	J.L.	Mormu-	N.Manga-	Cochin	Tutl-	Madras	Visakha	Paradip	Calcutta	Total	
	:	:	:	gao	:lore	:	: corin	:	:patnam	:	:/Haldia	:	
1	2	3	4	5	6	7	8	9	10	11	12	13	
TOTAL													
1975-76	3203	16650	-	12768	339	4258	1366	7883	8548	3326	7663	66004	
1980-81	8761	16978	-	13764	963	5233	2560	10375	10123	2241	9272	80270	
1985-86	16486	24310	-	16115	3686	5277	4221	18148	15911	3331	12128	119613	
1986-87	16194	25074	-	14919	5431	6883	4130	19775	15035	4853	12072	124366	
1987-88	18083	29568	-	13332	6108	6802	4261	22819	15371	5187	13071	134602	
1988-89	17807	29342	-	15389	7084	7824	5125	23863	20372	6032	14223	147061	
1989-90	18925	27746	697	14168	7661	7124	5324	23940	21117	6184	14689	147575	
1990-91	19685	28899	2022	14911	8022	7275	5075	24518	19421	6884	14953	151665	
1991-92	21002	26261	2794	15099	8274	7481	5868	25046	21522	7297	16000	156644	
1992-93	22910	28946	3007	16314	7088	7978	6215	25331	22765	7606	18337	166497	
1993-94	24500	30506	3387	18717	8630	7620	6700	26541	25595	8327	18496	179019	
1994-95	26502	30673	5008	18881	8005	8631	8041	29464	30029	10121	20535	195890	

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

(In '000 Tonnes)

	P O R T S												
Year	Kandla : J.L. : : Nehru : gao : lore :		Mormu- : N.Manga- : Cochin : : Tutti- : Madras : : corin :		Visakha : Paradip : : patnam :		Calcutta : : Haldia :		Total				
	1	2	3	4	5	6	7	8	9	10	11	12	13
UNLOADED													
1975-76	2924	12654	675	206	3321	922	5087	2876	189	4479	33333		
1980-81	8190	13209	843	639	4112	2117	6412	3999	307	6988	46816		
1985-86	15175	11947	1621	996	4557	4016	11107	8941	957	8657	67974		
1986-87	14854	11839	1293	1197	5600	3968	10801	7195	2001	8192	66940		
1987-88	16281	13570	1381	1305	5585	3973	12598	7561	2252	8836	73342		
1988-89	16439	13567	1783	1567	6541	4852	13749	10340	2777	9695	81310		
1989-90	16755	13141	1483	1294	6053	4900	14097	10410	2460	9756	80856		
1990-91	17271	13719	1721	1363	6251	4541	15000	10322	2839	10416	85088		
1991-92	18148	11506	2061	1298	6433	5099	15064	10431	2880	11253	86569		
1992-93	20503	15232	2394	1530	6864	5408	16286	12774	2428	12915	98439		
1993-94	20953	17438	2088	1245	6351	5606	16879	12930	2581	12217	100823		
1994-95	22651	16162	2732	1640	7193	6876	19247	15837	3491	14082	113201		
LOADED													
1975-76	279	3996	12093	133	937	444	2796	5672	3137	3184	32671		
1980-81	571	3769	12921	324	1121	443	3963	6124	1934	2284	33454		
1985-86	1311	12363	14494	2690	720	205	7041	6970	2374	3471	51639		
1986-87	1340	13235	13626	4234	1283	162	8974	7840	2852	3880	57426		
1987-88	1802	15998	11951	4803	1217	288	10221	7810	2935	4235	61260		
1988-89	1368	15775	13606	5517	1283	273	10114	10032	3255	4528	65751		
1989-90	2170	14605	12685	6367	1071	424	9843	10707	3724	4933	66719		
1990-91	2414	15180	13190	6659	1024	534	9518	9099	4045	4537	66577		
1991-92	2854	14755	12703	6976	1048	769	9982	11091	4417	4747	70075		
1992-93	2407	13714	13920	5558	1114	807	9045	9991	5178	5422	68058		
1993-94	3547	13068	16182	7385	1269	1094	9662	12665	5746	6279	78196		
1994-95	3851	14511	16149	6365	1438	1165	10217	14192	6630	6453	82689		

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

(In '000 Tonnes)

Year	Kandla	Mumbai	J.L. Nehru	Mormu- gao	N.Manga- lore	Cochin	Tutl- corin	Madras	Visakha	Paradip	Calcutta	Total	
	1	2	3	4	5	6	7	8	9	10	11	12	13
TOTAL	1975-76	3203	16650	-	12768	339	4258	1366	7883	8548	3326	7663	66004
	1980-81	8761	16978	-	13764	963	5233	2560	10375	10123	2241	9272	80270
	1985-86	16486	24310	-	16115	3686	5277	4221	18148	15911	3331	12128	119613
	1986-87	16194	25074	-	14919	5431	6883	4130	19775	15035	4853	12072	124366
	1987-88	18083	29568	-	13332	6108	6802	4261	22819	15371	5187	13071	134602
	1988-89	17807	29342	-	15389	7084	7824	5125	23863	20372	6032	14223	147061
	1989-90	18925	27746	697	14168	7661	7124	5324	23940	21117	6184	14689	147575
	1990-91	19685	28899	2022	14911	8022	7275	5075	24518	19421	6884	14953	151665
	1991-92	21002	26261	2794	15099	8274	7481	5868	25046	21522	7297	16000	156644
	1992-93	22910	28946	3007	16314	7088	7978	6215	25331	22765	7606	18337	166497
	1993-94	24500	30506	3387	18717	8630	7620	6700	26541	25595	8327	18496	179019
	1994-95	26502	30673	5008	18881	8005	8631	8041	29464	30029	10121	20535	195890

(In '000 tonnes)

PORT/ YEAR	OVERSEAS	COASTAL	OVERSEAS & COASTAL						
	: Unloaded:Loaded : Total : Unloaded:Loaded : Total : Unloaded:Loaded : Total								
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
J.L. NEHRU									
1989-90	507	190	697	-	-	-	507	190	697
1990-91	1645	377	2022	-	-	-	1645	377	2022
1991-92	2061	733	2794	-	-	-	2061	733	2794
1992-93	2105	902	3007	-	-	-	2105	902	3007
1993-94	2088	1299	3387	-	-	-	2088	1299	3387
1994-95	3215	1718	4933	75	-	75	3290	1718	5008
MORMUGAO									
1965-66	83	7620	7703	156	8	164	239	7628	7867
1970-71	86	10652	10738	267	0	267	353	10652	11005
1975-76	216	12093	12309	459	0	459	675	12093	12768
1980-81	621	12921	13542	222	0	222	843	12921	13764
1985-86	1163	14494	15657	458	0	458	1621	14494	16115
1988-89	1279	13586	14865	504	20	524	1783	13606	15389
1989-90	847	12664	13511	636	21	657	1483	12685	14168
1990-91	1058	13154	14212	663	36	699	1721	13190	14911
1991-92	1660	12515	14175	736	188	924	2396	12703	15099
1992-93	1720	13531	15251	674	389	1063	2394	13920	16314
1993-94	1910	15657	17567	625	525	1150	2535	16182	18717
1994-95	2024	15421	17445	708	728	1436	2732	16149	18881

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

PORT/ YEAR	OVERSEAS	COASTAL	OVERSEAS & COASTAL
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:	Unloaded:Loaded	Total	Unloaded:Loaded
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2.2.16 Cargo Traffic Handled At Major Ports in India (In '000 tonnes)

PORT/ YEAR	:	OVERSEAS	:	COASTAL	:	OVERSEAS & COASTAL			
	:	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
1993-94	10261	1676	11937	1956	4603	6559	12217	6279	18496
1994-95	11600	1555	13155	2482	4898	7380	14082	6453	20535
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	74086	43282	117368	24353	24776	49129	98439	68058	166497
1993-94	76017	53484	129501	24806	24712	49518	100823	78196	179019
1994-95	83601	52177	135778	29600	30512	60112	113201	82689	195890

2.2.17 Overseas Traffic (Principal Commodities) Handled At Major Ports

(In '000 tonnes)

PORT/ YEAR	1992-93		1993-94		1994-95				
	Unloaded:Loaded	Total	Unloaded:Loaded	Total	Unloaded:Loaded	Total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
KANDLA	16235	2252	18487	17736	3446	21182	18771	3051	21822
POL- Crude	9232	-	9232	10099	-	10099	9236	-	9236
POL- Products	3525	895	4420	4033	813	4846	4967	614	5581
Fertilizer	448	-	448	824	-	824	705	-	705
Fertilizer'Raw									
Material (Dry)	334	-	334	371	-	371	452	-	452
Fertilizer'Raw									
Material (liquid)	611	-	611	672	-	672	722	-	722
Foodgrains	199	399	598	94	535	629	6	683	689
Iron & Steel	59	2	61	245	6	251	234	3	237
Iron Scrap	840	-	840	115	-	115	388	-	388
Sugar	-	23	23	-	74	74	280	-	280
Veg. Oil &									
Animal fats	50	51	101	48	117	165	96	130	226
Salt	-	62	62	-	286	286	-	195	195
Other Commodities	937	820	1757	1235	1615	2850	1685	1426	3111

2.2.17 Overseas Traffic (Principal Commodities) Handled At Major Ports

(In '000 tonnes)

PORT/ YEAR	1992-93	1993-94	1994-95						
	Unloaded:Loaded	Total	Unloaded:Loaded	Total	Unloaded:Loaded	Total	Unloaded:Loaded	Total	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
MUMBAI	15116	3263	18379	17233	4812	22045	16030	4575	20605
POL Crude	7278	-	7278	8830	177	9007	4918	80	4998
POL- Products	1661	882	2543	2081	1323	3404	2897	953	3850
Fertilizer	39	-	39	57	-	57	70	-	70
Fertilizers' Raw	928	-	928	845	-	845	892	-	892
Material (Dry)	-	-	-	-	-	-	-	-	-
Fertilizers' Raw	-	-	-	-	-	-	-	-	-
Material (Liquid)	-	-	-	-	-	-	-	-	-
Foodgrains	446	98	544	475	288	763	438	178	616
Iron & Steel	1040	138	1178	1249	176	1425	1823	111	1934
Veg. Oil & animal	81	16	97	147	39	186	194	40	234
fats	-	-	-	-	-	-	-	-	-
Iron Scrap	830	-	830	385	-	385	182	-	182
Cement	-	-	-	-	-	-	4	-	4
Sugar	-	16	16	-	37	37	398	25	423
Other Commodities	2813	2113	4926	3164	2772	5936	4214	3188	7402

2.2.17 Overseas Traffic (Principal Commodities) Handled At Major Ports

(In '000 tonnes)

PORT/ YEAR	1992-93		1993-94		1994-95					
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
	: Unloaded:Loaded		: Total		:Unloaded:Loaded		: Total		:Unloaded:Loaded : Total	
JAWAHARLAL NEHRU	2105	902	3007	2088	1299	3387	3215	1718	4933	
Fertiliser	588	-	588	855	-	855	1187	-	1187	
Fert. Raw	106	-	106	23	-	23	125	-	125	
Material (Dry)	8	-	8	-	-	-	-	-	-	
Fert. Raw	577	-	577	275	-	275	-	-	-	
Material (Liquid)	826	902	1728	935	1299	2234	1903	1718	3621	
Foodgrains										
Other Commodities										
MORMUGAO	1720	13531	15251	1910	15657	17567	2024	15421	17445	
POL-Product	1142	-	1142	1481	-	1481	1292	-	1292	
Fertilizer	244	-	244	141	-	141	70	-	70	
Fertilizer Raw	-	-	-	-	-	-	-	-	-	
Material (Dry)	-	-	-	-	-	-	-	-	-	
Fertilizer Raw	204	-	204	135	-	135	191	-	191	
Material (Liquid)	4	-	4	11	-	11	-	-	-	
Foodgrains	107	-	107	107	2	109	366	14	380	
Coal	-	13195	13195	-	15226	15226	-	14980	14980	
Iron Ore	-	131	131	-	219	219	-	281	281	
Other Ore	19	205	224	35	210	245	105	146	251	
Other Commodities										

2.2.17 Overseas Traffic (Principal Commodities) Handled At Major Ports

(In '000 tonnes)

PORT/ YEAR	1992-93	1993-94	1994-95						
	: Unloaded:Loaded	: Total : Unloaded:Loaded	: Total : Unloaded:Loaded : Total						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
NEW MANGALORE	935	5530	6465	637	7155	7792	958	5979	6937
POL-Products	68	-	68	64	-	64	102	-	102
Fertilizer	241	-	241	106	-	106	87	-	87
Fertilizer Raw	-	-	-	55	-	55	42	-	42
Material (Dry)	-	-	-	75	-	75	120	-	120
Fertilizer Raw	115	-	115	19	-	19	-	-	-
Material(Liquid)	258	-	258	23	-	23	27	-	27
Foodgrains	28	-	28	-	-	-	-	-	-
Iron scrap	-	-	-	-	-	-	-	-	-
Coal	-	-	-	-	-	-	-	-	-
Iron Ore &	-	5061	5061	-	6830	6830	-	5694	5694
Pellets	-	16	16	-	-	-	-	16	-
Other Ore	-	23	23	-	9	9	-	1	1
Coffee	-	430	655	295	316	611	580	268	848
Other Commodities	225								

2.2.17 Overseas Traffic (Principal Commodities) Handled At Major Ports

PORT/ YEAR	(In '000 tonnes)									
	1992-93		1993-94		1994-95					
	:Unloaded:Loaded		:Total :Unloaded:Loaded		:Total :Unloaded:Loaded		:Total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
COCHIN	2601	593	3194	2322	725	3047	2947	914	3861	
POL- Crude	1226	-	1226	1160	-	1160	1184	-	1184	
POL- Products	66	213	279	115	267	382	394	322	716	
Fertilizer	136	-	136	39	-	39	95	-	95	
Fertilizer'Raw-										
Material (Dry)	415	-	415	381	-	381	409	-	409	
Fertilizer'Raw-										
Material (Liq.)	385	-	385	323	-	323	407	-	407	
Foodgrains	87	3	90	-	-	-	-	-	-	
Iron & Steel	2	5	7	-	-	-	-	-	-	
Veg. Oil & animal										
fats	2	-	2	5	-	5	-	-	-	
Tea	-	32	32	-	31	31	-	58	58	
Coffee	-	46	46	-	60	60	-	86	86	
Cashewnuts/Cashew										
Kernels	11	31	42	31	34	65	5	39	44	
Other Commodities	271	263	534	268	333	601	453	409	862	

2.2.17 Overseas Traffic (Principal Commodities) Handled At Major Ports

(In '000 tonnes)

PORT/ YEAR	1992-93	1993-94	1994-95						
	: Unloaded:Loaded	: Total	: Unloaded:Loaded	: Total	: Unloaded:Loaded	: Total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
TUTICORIN	1742	802	2544	1258	1093	2351	2047	1155	3202
Fertilizer	378	-	378	205	-	205	221	-	221
Fertilizer (Raw)	283	-	283	138	-	138	335	-	335
Fertilizer (Dry)	-	-	-	-	-	-	-	-	-
Fertilizer (Raw)	148	-	148	71	-	71	128	-	128
Material (Liquid)	1	-	1	1	-	1	-	-	-
Iron Scrap	17	-	17	60	-	60	110	-	110
Coal	-	-	-	-	-	-	-	-	-
Tea/Coffee	-	20	20	-	34	34	-	26	26
Salt	-	30	30	-	133	133	-	135	135
Foodgrains	189	-	189	29	-	29	-	-	-
Other Commodities	726	752	1478	754	926	1680	1253	994	2247

2.2.17 Overseas Traffic (Principal Commodities) Handled At Major Ports

PORT/ YEAR	(In '000 tonnes)									
	1992-93		1993-94		1994-95					
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
	:Unloaded:Loaded		:Total		:Unloaded:Loaded		:Total		:Unloaded:Loaded	
	:Total		:Total		:Total		:Total		:Total	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
MADRAS	8197	4944	7644	15841	8487	8510	16997	9451	8433	17884
POL- Crude	4944	4944	600	5544	5422	945	6367	5350	503	5853
POL- Products	49	49	492	541	34	815	849	34	573	607
Fertilizer	582	582	-	582	858	-	858	834	-	834
Fertilizers'Raw	271	271	-	271	288	-	288	403	-	403
Materials (Dry)	-	-	-	-	-	-	-	-	-	-
Fertilizers'Raw	217	217	2	219	89	-	89	-	2	2
Materials (Liquid)	200	200	27	227	203	79	282	280	58	338
Foodgrains	18	18	-	18	6	-	6	43	-	43
Iron & Steel	-	-	4838	4838	-	4540	4540	-	5149	5149
Veg. Oil & animal	307	307	58	365	249	69	318	347	121	468
fats	923	923	19	942	311	10	321	593	22	615
Iron Ore	35	35	-	35	252	-	252	246	-	246
Chemicals	12	12	-	12	55	-	55	298	-	298
Iron Scrap	639	639	1608	2247	720	2052	2772	1023	2005	3028
Coal	-	-	-	-	-	-	-	-	-	-
Coke	-	-	-	-	-	-	-	-	-	-
Other Commodities	-	-	-	-	-	-	-	-	-	-

2.2.17 Overseas Traffic (Principal Commodities) Handled At Major Ports

PORT/ YEAR	(In '000 tonnes)									
	1992-93		1993-94		1994-95					
	: Unloaded:	: Loaded	: Total	: Unloaded:	: Loaded	: Total	: Unloaded:	: Loaded	: Total	: Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
VISAKHAPATNAM	11990	5607	17597	11508	7047	18555	13220	6936	20156	
POL- Crude	4814	-	4814	4449	-	4449	4769	-	4769	
POL- Products	851	368	1219	673	346	1019	536	303	839	
Fertilizers	484	-	484	682	-	682	790	-	790	
Fertilizer Raw										
Materials (Dry)	946	-	946	835	-	835	906	-	906	
Fertilizer Raw										
Materials (Liquid	390	-	390	257	-	257	431	-	431	
Foodgrains	161	10	171	46	-	46	-	3	3	
Iron & Steel	2	505	507	-	955	955	32	752	784	
Coal	3447	-	3447	4029	-	4029	4873	-	4873	
Coke	73	-	73	44	-	44	47	-	47	
Iron Ore	-	3904	3904	-	4227	4227	-	4230	4230	
Chemicals	72	-	72	71	-	71	93	-	93	
Iron scrap	264	-	264	-	-	-	51	-	51	
Veg. Oil & animal										
fats	6	-	6	6	-	6	30	-	30	
Other Commodities	480	820	1300	416	1519	1935	662	1648	2310	

2.2.17 Overseas Traffic (Principal Commodities) Handled At Major Ports

(In '000 tonnes)

PORT/ YEAR	1992-93		1993-94		1994-95				
	:Unloaded:Loaded	: Total	:Unloaded:Loaded	: Total	:Unloaded:Loaded	: Total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
PARADIP	2428	1792	4220	2577	2064	4641	3338	2440	5778
Fertilizers	142	-	142	192	-	192	125	-	125
Fertilizer Raw									
Materials (Dry)	152	-	152	63	-	63	82	-	82
Fertilizer Raw									
Materials (Liquid	495	-	495	471	-	471	609	-	609
Foodgrains	3	-	3	-	-	-	-	-	-
Iron & Steel	-	45	45	62	106	168	-	6	6
Coal	1133	-	1133	1094	-	1094	1484	-	1484
Coke	84	-	84	157	-	157	228	-	228
Iron Ore	-	1285	1285	-	1430	1430	-	1881	1881
Iron scrap	-	-	-	-	17	17	-	5	5
Other Commodities	419	462	881	538	511	1049	810	548	1358

2.2.17 Overseas Traffic (Principal Commodities) Handled At Major Ports

(In '000 tonnes)

PORT/ YEAR	1992-93	1993-94	1994-95						
	: Unloaded:Loaded	: Total	: Unloaded:Loaded	: Total	: Unloaded:Loaded	: Total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
CALCUTTA	1875	1259	3134	1721	1477	3198	2062	1364	3426
POL- Crude	-	-	-	-	-	-	-	-	-
POL- Products	74	-	74	46	-	46	63	-	63
Fertilizer	198	-	198	156	-	156	98	-	98
Fertilizer Raw	-	-	-	-	-	-	-	-	-
Material (Dry)	142	-	142	76	-	76	45	-	45
Fertilizer Raw	-	-	-	-	-	-	-	-	-
Material (Liquid)	-	-	-	-	-	-	-	-	-
Foodgrains	58	-	58	46	-	46	-	-	-
Iron & Steel	237	311	548	208	488	696	208	279	487
Veg. Oil &	-	-	-	-	-	-	-	-	-
animal fats	29	-	29	66	-	66	102	-	102
Cement	9	-	9	-	-	-	-	-	-
Chemicals	43	-	43	63	-	63	66	-	66
Tea	-	101	101	-	108	108	-	89	89
Coal	19	-	19	6	-	6	-	-	-
Sugar	-	-	-	-	-	-	325	-	325
Jute & its products	-	175	175	-	197	197	-	201	201
Other Commodities	1066	672	1738	1054	684	1738	1155	795	1950

2.2.17 Overseas Traffic (Principal Commodities) Handled At Major Ports

PORT/ YEAR	(In '000 tonnes)									
	1992-93		1993-94		1994-95					
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
HALDIA	9142	107	9249	8540	199	8739	9538	191	9729	
POL- Crude	3031	-	3031	3115	-	3115	3277	-	3277	
POL- Products	3206	-	3206	2800	-	2800	3002	-	3002	
Fertilizer	115	-	115	68	-	68	52	-	52	
Fertilizer Raw										
Materials (Dry)	205	-	205	141	-	141	179	-	179	
Fertilizer Raw										
Materials (Liquid)	180	-	180	71	-	71	189	-	189	
Foodgrains	49	10	59	29	-	29	-	25	25	
Iron & Steel	37	37	74	22	127	149	14	107	121	
Iron scrap (Pig Iron)	49	-	49	-	-	-	-	-	-	
Coal	2089	-	2089	2001	-	2001	2285	-	2285	
Cement	-	-	-	-	-	-	-	-	-	
Tea	-	33	33	-	29	29	-	30	30	
Other Commodities	181	27	208	293	43	336	540	29	569	

2.2.17 Overseas Traffic (Principal Commodities) Handled At Major Ports

(In '000 tonnes)										
PORT/ YEAR	1992-93	1993-94	1994-95							
: Unloaded: Loaded : Total : Unloaded: Loaded : Total : Unloaded: Loaded : Total										
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
ALL MAJOR PORTS	74086	43282	117368	76017	53484	129501	83601	52177	135778	
POL- Crude	30525	600	31125	33075	1122	34197	28734	583	29317	
POL- Products	10642	2850	13492	11327	3564	14891	13287	2765	16052	
Fertilizer	3595	-	3595	4183	-	4183	4334	-	4334	
Fertilizers'Raw										
Material (Dry)	3782	-	3782	3216	-	3216	3870	-	3870	
Fertilizers'Raw										
Material (Liquid)	2536	-	2536	2075	-	2075	2797	-	2797	
Foodgrains	2248	522	2770	1113	823	1936	444	891	1335	
Iron & Steel	1577	1070	2647	1989	1937	3926	2591	1316	3907	
Coal	6847	-	6847	7549	2	7551	9364	14	9378	
Coke	169	-	169	256	-	256	573	-	573	
Iron Ore	-	28283	28283	-	32253	32253	-	31934	31934	
Other Commodities	12165	9957	22122	11234	13783	25017	17607	14674	32281	

2.2.18 Coastal Traffic (Principal Commodities) Handled At Major Ports

PORT/ COMMODITY	(In '000 tonnes)									
	1992-93		1993-94		1994-95					
	: Unloaded:Loaded		: Total : Unloaded:Loaded		: Total : Unloaded:Loaded		: Total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
KANDLA	4268	155	4423	3217	101	3318	3880	800	4680	
POL-Crude	3237	-	3237	2410	-	2410	3195	-	3195	
POL-Products	1015	47	1062	767	35	802	682	204	886	
Foodgrains	1	1	2	-	-	-	-	-	-	
Veg. Oil & Animal fats	-	-	-	-	-	-	-	-	-	
Other Commodities	15	107	122	40	66	106	3	596	599	
MUMBAI	116	10451	10567	205	8256	8461	132	9936	10068	
POL-Crude	-	8161	8161	73	6849	6922	-	8895	8895	
POL-Products	32	2289	2321	81	1406	1487	89	1001	1090	
Foodgrains	-	-	-	-	-	-	-	-	-	
Cement	26	-	26	2	-	2	21	-	21	
Salt	20	-	20	32	-	32	13	-	13	
Iron & Steel	2	-	2	-	-	-	-	-	-	
Veg. Oil & Animal fats	-	-	-	-	-	-	-	-	-	
Other commodities	36	1	37	17	1	18	9	40	49	
J.L.NEHRU	-	-	-	-	-	-	75	-	75	
Other Commodities	-	-	-	-	-	-	75	-	75	

2.2.18 Coastal Traffic (Principal Commodities) Handled At Major Ports

(In '000 tonnes)

PORT/ COMMODITY	1992-93		1993-94		1994-95				
	Unloaded	Loaded : Total	Unloaded	Loaded : Total	Unloaded	Loaded : Total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
MORMUGAO	674	389	1063	625	525	1150	708	728	1436
POL- Product	642	-	642	617	-	617	646	-	646
Iron Ore	30	376	406	-	522	522	30	683	713
Coal	-	-	-	-	-	-	-	33	33
Others	2	13	15	8	3	11	32	12	44
NEW MANGALORE	595	28	623	608	230	838	682	386	1068
POL- Products	562	-	562	582	-	582	640	-	640
Iron Ore/Pallets	-	21	21	-	230	230	-	386	386
Other commodities	33	7	40	26	-	26	42	-	42
COCHIN	4263	521	4784	4029	544	4573	4246	524	4770
POL- Crude	4001	-	4001	3556	52	3608	4020	-	4020
POL- Products	199	517	716	463	488	951	197	518	715
Other commodities	63	4	67	10	4	14	29	6	35

2.2.18 Coastal Traffic (Principal Commodities) Handled At Major Ports

PORT/ COMMODITY	(In '000 tonnes)									
	1992-93		1993-94		1994-95					
	: Unloaded:Loaded		: Total :Unloaded:Loaded		: Total :Unloaded:Loaded		: Total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
TUTICORIN	3666	5	3671	4348	1	4349	4829	10	4839	
POL- Products	510	-	510	463	-	463	417	-	417	
Foodgrains	-	-	-	-	-	-	-	-	-	
Coal	3145	-	3145	3877	-	3877	4385	-	4385	
Other commodities	11	5	16	8	1	9	27	10	37	
MADRAS	8089	1401	9490	8392	1152	9544	9796	1784	11580	
POL- Crude	2477	-	2477	2715	-	2715	3793	-	3793	
POL- Products	31	1239	1270	41	1061	1102	22	1667	1689	
Veg. Oil & Animal										
fats	neg.	1	1	-	-	-	-	-	-	
Coal & Coke	5541	-	5541	5550	-	5550	5904	-	5904	
Coke	-	-	-	-	-	-	-	-	-	
Foodgrains	-	23	23	-	-	-	-	8	8	
Other commodities	40	138	178	86	91	177	77	109	186	

2.2.18 Coastal Traffic (Principal Commodities) Handled At Major Ports

PORT/ COMMODITY	(In '000 tonnes)									
	1992-93		1993-94		1994-95					
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
VISAKHAPATNAM	784	4384	5168	1422	5618	7040	2617	7256	9873	
POL- crude	352	-	352	1323	1164	2487	2462	1416	3878	
POL- Products	395	812	1207	95	856	951	134	1617	1751	
Coal	-	2501	2501	-	2551	2551	-	2851	2851	
Chemicals	36	-	36	4	-	4	20	-	20	
Iron Ore	-	1056	1056	-	1003	1003	-	1321	1321	
Other commodities	1	15	16	-	44	44	1	51	52	
PARADIP	-	3386	3386	4	3682	3686	153	4190	4343	
Coal	-	3325	3325	-	3594	3594	-	4118	4118	
Iron ore	-	61	61	-	88	88	-	-	-	
Others	-	-	-	4	-	4	153	72	225	
CALCUTTA	1802	221	2023	1853	318	1971	2044	334	2378	
POL- Crude	-	-	-	-	-	-	-	-	-	
POL- Products	1637	37	1674	1529	48	1577	1925	52	1977	
Foodgrains	-	-	-	-	28	28	-	-	-	
Iron & Steel	-	1	1	5	4	9	-	11	11	
Coal	-	-	-	-	-	-	-	-	-	
Other commodities	165	183	348	119	238	357	119	271	390	

2.2.18 Coastal Traffic (Principal Commodities) Handled At Major Ports

(In '000 tonnes)

PORT/ COMMODITY	1992-93				1993-94				1994-95			
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)		

2.2.19 Overseas Traffic (Imports 1994-95) By Country Of Origin (Portwise-Commoditywise)

(In '000 Tonnes)

Country of Origin/ Commodities	Kandla	Mumbai	J.L. Nehru	Normu- gao	N. Mangal- Tore	Cochin	Tutic- corin	Madras	Vishakh- apatnam	Paradip	Calcutta	Malidia	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14
ALL COMMODITIES	18771	18030	3215	2024	956	2947	2047	9451	13220	3338	2062	9538	83601
U.A.E.	3283	1418	-	156	70	-	283	-	758	4	-	-	5972
Kuwait	5170	595	-	282	22	-	45	-	599	38	-	-	6751
S. Arabia	2042	3727	-	81	65	-	12	-	1039	50	-	-	7016
Iran	53	936	-	-	15	-	35	-	124	-	-	-	1163
Iraq	-	-	-	-	-	-	-	-	-	-	-	-	-
Oman	21	19	-	8	13	-	94	-	42	-	-	-	197
Russia	303	268	-	16	8	-	-	-	215	40	-	-	862
U.S.A	407	712	98	92	66	119	27	807	700	112	429	936	4205
Bahrain	1824	313	-	499	38	-	-	-	21	-	-	-	2495
Jordan	68	195	-	18	26	-	214	-	235	30	-	-	764
Senegal	369	-	-	-	-	-	1	-	-	-	-	-	370
Korea (S)	82	258	-	-	27	-	4	-	5	7	-	-	393
Netherland Holland	858	97	-	-	12	-	-	-	-	-	-	-	967
Italy	182	152	61	16	-	-	2	65	9	7	-	-	494
Singapore	292	114	-	37	20	-	38	613	111	-	-	-	1225
Malaysia	100	132	-	-	36	-	63	80	684	-	-	-	1095
France	68	280	-	-	-	-	9	66	-	-	-	-	403
Canada	1314	183	77	-	13	27	1	42	91	61	-	-	1809
Japan	258	321	-	22	6	10	3	119	42	84	168	-	1033
Brazil	38	310	-	-	134	-	134	84	154	2	-	-	856
Germany	76	544	103	1	17	48	4	199	29	-	-	-	1021
U.K.	-	394	-	-	1	32	2	75	31	-	72	-	607
Australia/N.Zealand	38	232	-	85	-	57	20	33	4930	1379	115	2286	9175
Other European Countries	167	328	130	9	4	71	45	292	107	-	217	14	1384
Other Asian Countries	960	482	282	501	70	1988	412	715	706	242	203	3315	9876
Other African Countries	615	265	67	-	-	384	78	331	146	-	8	-	1884
Others	355	3795	2397	198	295	211	521	6230	2442	1282	850	2987	21564

2.2.19 Overseas Traffic (Imports 1984-85) By Country Of Origin (Portwise-Commoditywise)

(In '000 Tonnes)

Country of Origin/ Commodities	Kandla	Mumbai	J.L. Nehru	Normu- gao	N.Manga- lore	Cochin	Tuticorin	Madras	Visakhapatnam	Paradip	Calcutta	Haldia	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14
POL CRUDE & PRODUCTS	14203	7815	-	1292	102	1578	-	5384	5305	-	83	6279	42021
U.A.E.	2490	1078	-	135	38	-	-	-	12	-	-	-	3751
Kuwait	4993	540	-	280	22	-	-	-	-	-	-	-	5815
S. Arabia	1798	3562	-	198	4	-	-	-	11	-	-	-	5571
Iran	5	485	-	-	-	-	-	-	48	-	-	-	536
Iraq	-	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	1	-	8	-	-	-	-	-	-	-	-	9
Singapore	16	50	-	37	-	-	-	348	-	-	-	-	449
Malaysia	-	-	-	-	-	-	-	3	15	-	-	-	18
Russia	27	2	-	-	-	-	-	-	8	-	-	-	37
Bahrain	1506	250	-	499	38	-	-	-	10	-	-	-	2303
Yemen	-	2	-	-	-	-	-	-	-	-	-	-	2
U.S.A.	1	71	-	-	-	-	-	-	81	-	-	815	988
Panama	-	-	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	8	-	-	-	-	-	-	-	-	8
Other European countries)	731	309	-	16	-	-	-	83	-	-	32	-	1171
Other Asian countries)	2422	194	-	131	-	1578	-	-	76	-	28	2590	7019
Others	216	1273	-	-	-	-	-	4952	5046	-	3	2874	14364

2.2.19 Overseas Traffic (Imports 1994-95) By Country Of Origin (Portwise-Commoditywise)

(In '000 Tonnes)

Country of Origin/ Commodities	Kandla	Mumbai	J. L. Nehru	Morwa- gao	N. Manga- Tore	Cochin Cochin	Tutic- corin	Madras	Visakh- apatnam	Paradip	Calcutta	Malda	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14
FERTILISERS & ITS RAW MATERIALS	1879	982	1312	281	249	911	684	1237	2127	816	143	420	11001
Jordan	65	124	-	18	26	-	214	-	235	-	-	-	-
Canada	5	3	66	-	-	-	-	-	91	61	-	-	752
S. Arabia	56	63	-	16	31	-	4	-	36	50	-	-	226
Morocco	-	-	-	143	77	-	-	-	-	252	-	-	256
Kuwait	115	24	-	-	-	-	19	-	73	54	-	-	472
Poland	-	-	-	-	-	-	-	-	-	-	-	-	265
U.S.A.	124	35	88	22	24	71	-	161	562	67	-	14	1198
Russia	-	4	-	18	7	-	-	-	206	40	-	-	275
Germany	50	16	103	-	-	42	-	62	26	-	-	-	299
U.A.E.	406	198	-	-	32	-	180	-	46	-	-	-	662
Bahrain	49	18	-	-	-	-	-	-	-	-	-	-	67
Iran	27	140	-	-	7	-	20	-	35	-	-	-	229
Iraq	-	-	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-	-	-	-
Japan	52	27	-	-	-	-	-	-	-	-	-	-	87
Australia	20	-	-	-	-	-	-	8	-	-	-	-	20
Others	910	240	1045	44	45	798	247	1006	817	292	143	406	5993

2.2.19 Overseas Traffic (Imports 1994-95) By Country Of Origin (Portwise-Commoditywise)

		(In '000 Tonnes)													
Country of Origin/ Commodities	1	2													
		Kandla	Mumbai	J.L.	Mormu	N. Manga	Cochin	Tuti	Madras	Vizakha	Paradip	Calcutta	Haldia	Total	
		:	:	:Nehru	:gao	:Iore	:	:corin	:	:patnam	:	:	:	:	
IRON & STEEL		234	1823	-	-	-	-	-	280	32	-	208	14	2591	
Germany		-	293	-	-	-	-	-	52	-	-	-	-	345	
France		-	181	-	-	-	-	-	6	-	-	-	-	187	
Russia		-	86	-	-	-	-	-	-	-	-	-	-	86	
U.K.		-	88	-	-	-	-	-	8	-	-	-	-	96	
Japan		-	133	-	-	-	-	-	35	-	-	33	-	201	
U.S.A.		-	58	-	-	-	-	-	-	-	-	-	-	58	
Canada		-	6	-	-	-	-	-	-	-	-	-	-	6	
Belgium		-	107	-	-	-	-	-	47	-	-	-	-	154	
Czechoslovakia		-	-	-	-	-	-	-	-	-	-	-	-	-	
Brazil		-	107	-	-	-	-	-	-	-	-	-	-	107	
Korea(S)		-	40	-	-	-	-	-	-	-	-	-	-	40	
Malaysia		-	2	-	-	-	-	-	-	-	-	-	-	2	
Others		234	722	-	-	-	-	-	132	32	-	175	14	1309	
IRON SCRAP		388	182	-	-	27	-	-	593	51	-	-	-	1241	
U.S.A.		81	-	-	-	25	-	-	198	27	-	-	-	311	
Russia		-	-	-	-	-	-	-	-	-	-	-	-	-	
France		31	-	-	-	2	-	-	-	-	-	-	-	33	
Singapore		-	-	-	-	-	-	-	-	-	-	-	-	-	
Netherland		139	-	-	-	-	-	-	-	-	-	-	-	139	
Srilanka		-	-	-	-	-	-	-	-	-	-	-	-	-	
Malaysia		-	-	-	-	-	-	-	-	-	-	-	-	-	
U.K.		-	-	-	-	-	-	-	-	-	-	-	-	-	
Others		157	182	-	-	-	-	-	395	24	-	-	-	24	
														734	

2.2.19 Overseas Traffic (Imports 1984-95) By Country of Origin (Portwise-Commoditywise)

(In '000 Tonnes)

Country of Origin/ Commodities	Kandla	Mumbai	J.L. Mehru	Mormu- Gao	N.Manga- lore	Cochin	Tuticorin	Madras	Visakhapatnam	Paradip	Calcutta	Haldia	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14
FOODGRAINS	6	438	-	-	-	22	-	91	-	-	-	-	557
Australia & N. land	-	34	-	-	-	-	-	-	-	-	-	-	34
U.S.A.	-	33	-	-	-	20	-	35	-	-	-	-	88
Canada	-	39	-	-	-	-	-	-	-	-	-	-	39
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-	-
Thailand	-	13	-	-	-	-	-	-	-	-	-	-	13
Panama	-	-	-	-	-	-	-	-	-	-	-	-	-
China	-	73	-	-	-	-	-	-	-	-	-	-	73
Hungary	-	10	-	-	-	-	-	-	-	-	-	-	10
Turkey	-	14	-	-	-	-	-	-	-	-	-	-	14
Others	6	214	-	-	-	2	-	56	-	-	-	-	278

2.2.19 Overseas Traffic (Imports 1994-95) By Country Of Origin (Portwise-Commoditywise)

(In '000 Tonnes)

Country of Origin/ Commodities	1	2	3	4	5	6	7	8	9	10	11	12	13	14	Total
		Kandla	Mumbai	J.L. Nehru	Mormu- gao	N.Manga- lore	Cochin	Tutl- corin	Madras	Visakha patnam	Paradip	Calcutta	Haldia		
VEGETABLE/ EDIBLE OIL	96	194	-	-	46	-	-	-	70	30	-	102	-	538	
Malaysia	63	97	-	-	36	-	-	-	28	15	-	-	-	239	
Germany	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Taiwan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Singapore	-	-	-	-	-	-	-	-	11	-	-	-	-	11	
Pakistan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
U.S.A.	-	7	-	-	-	-	-	-	5	3	-	-	-	15	
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Indonesia	-	71	-	-	6	-	-	-	4	6	-	-	-	87	
Other Asian)	23	4	-	-	-	-	-	-	-	-	-	56	-	83	
countries)	10	15	-	-	4	-	-	-	22	6	-	46	-	103	
Others	-	-	-	-	-	-	5	-	347	93	-	66	-	511	
CHEMICALS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
U.S.A	-	-	-	-	-	-	1	-	8	-	-	-	-	9	
Japan	-	-	-	-	-	-	-	-	8	-	-	-	-	8	
France	-	-	-	-	-	-	-	-	2	-	-	-	-	2	
Germany	-	-	-	-	-	-	-	-	1	-	-	-	-	1	
S. Arabia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Bengladesh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Other American)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
countries)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Other European)	-	-	-	-	-	-	-	-	22	-	-	-	-	22	
countries)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Others	-	-	-	-	-	-	4	-	306	93	-	66	-	469	

2.2.19 Overseas Traffic (Imports 1994-95) By Country Of Origin (Portwise-Commoditywise)

(In '000 Tonnes)

Country of Origin/ Commodities	Kandla	Mumbai	J.L.	Mormu-	N. Manga-	Cochin	Tuti-	Madras	Visakh-	Paradip	Calcutta	Malda	Total	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
COAL	-	-	-	-	366	-	-	110	246	4873	1484	-	2285	9364
U.S.A.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
U.S.S.R.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Newzealand	-	-	-	-	-	-	-	-	-	86	105	-	-	191
Indonesia	-	-	-	-	-	-	-	85	-	-	-	-	-	85
Australia	-	-	-	-	85	-	-	-	-	4751	1379	-	2285	8500
Poland	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	291	-	-	25	246	36	-	-	-	588
WOOD	-	151	-	-	-	14	-	121	4	-	-	80	-	370
U.S.A.	-	43	-	-	-	-	-	-	-	-	-	-	-	43
U.S.S.R.	-	13	-	-	-	1	-	-	-	-	-	-	-	14
Germany	-	2	-	-	-	-	-	-	-	-	-	-	-	2
Canada	-	36	-	-	-	13	-	-	-	-	-	-	-	51
Malaysia	-	-	-	-	-	-	-	51	-	-	-	-	-	51
Burma	-	-	-	-	-	-	-	4	-	-	-	7	-	11
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Newzealand	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	16	-	-	-	-	-	16
Other European Countries	-	20	-	-	-	-	-	-	-	-	-	-	-	20
Other Asian Countries	-	23	-	-	-	-	-	-	-	-	-	65	-	88
Other African Countries	-	1	-	-	-	-	-	7	-	-	-	-	-	8
Others	-	11	-	-	-	-	-	43	4	-	-	8	-	66

2.2.19 Overseas Traffic (Imports 1994-95) By Country Of Origin (Partwise-Commoditywise)

(In '000 Tonnes)

Country of Origin/ Commodities	1	2	3	4	5	6	7	8	9	10	11	12	13	14
		Kandla :	Mumbai :	J.L. Nehru :	Mormu- gao :	N. Manga- lore :	Cochin :	Tuti- corin :	Nadras :	Visakha : patnam :	Paradip :	Calcutta :	Haldia :	Total
MACHINERY		-	168	-	-	11	1	-	96	-	-	-	-	276
U.S.A.		-	23	-	-	1	-	-	9	-	-	-	-	33
Japan		-	12	-	-	4	-	-	11	-	-	-	-	27
France		-	4	-	-	-	-	-	-	-	-	-	-	4
Germany		-	32	-	-	3	-	-	22	-	-	-	-	57
Russia		-	14	-	-	-	-	-	-	-	-	-	-	14
Canada		-	1	-	-	-	-	-	-	-	-	-	-	1
U.K.		-	12	-	-	-	-	-	-	-	-	-	-	12
Taiwan		-	-	-	-	-	-	-	-	-	-	-	-	-
Italy		-	10	-	-	3	-	-	-	-	-	-	-	13
Czechoslovakia		-	-	-	-	-	-	-	-	-	-	-	-	-
Sweden		-	5	-	-	-	-	-	-	-	-	-	-	5
Switzerland		-	2	-	-	-	-	-	-	-	-	-	-	2
Other Asian)														
countries)			5	-	-	-	-	-	15	-	-	-	-	20
Other European)														
countries)		-	13	-	-	-	1	-	25	-	-	-	-	39
Others		-	35	-	-	-	-	-	14	-	-	-	-	49

2.2.20 Overseas Exports By Country Of Destination 1994-95 (Portwise-Commoditywise)

(In '000 Tonnes)

Country of Destination/Commodities	Kandla	Mumbai	J.L. Nehru	Moratu gao	N.Manga lore	Cochin	Tuti- corin	Madras	Vizakha patnam	Paradip	Calcutta	Haldia	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14
ALL COMMODITIES	3051	4575	1718	15421	5979	914	1155	8433	6936	2440	1384	191	52177
U.S.A.	25	181	-	-	-	119	30	494	258	-	432	1	1540
Russia	18	65	-	118	-	-	10	-	262	-	-	-	473
U.K.	26	62	-	-	-	23	28	116	6	5	106	-	372
Holland	29	23	-	543	-	-	9	-	42	10	-	-	656
France	15	29	-	41	16	-	8	23	-	-	-	-	132
Japan	61	124	-	8351	1776	46	36	2314	4007	1576	121	-	18412
Germany	-	43	-	60	2	38	41	61	27	-	-	-	292
Australia/N. Zealand	-	43	-	-	248	8	7	46	80	-	47	-	479
Italy	43	22	-	1299	135	-	187	147	44	2	-	-	1879
Romania	10	9	-	812	-	-	-	-	-	-	-	-	831
Belgium	11	14	-	236	17	-	42	59	25	-	-	-	404
Canada	27	16	-	-	-	10	3	19	-	-	-	-	75
Iran	9	94	-	21	1453	-	-	-	-	-	-	-	1577
Iraq	-	-	-	-	-	-	-	-	-	-	-	-	-
Singapore	554	400	-	-	2	-	29	691	250	-	-	-	1926
Indonesia	45	76	-	1	172	-	-	48	211	5	-	-	558
Turkey	12	11	-	-	383	-	3	-	-	-	-	-	409
Korea (S)	88	43	-	1558	60	-	11	-	372	19	-	-	2151
Korea (N)	-	50	-	-	-	-	-	-	-	-	-	-	50
Taiwan	73	86	-	119	250	-	11	-	28	6	-	-	573
S. Arabia	323	131	-	-	-	-	-	-	-	-	-	-	454
Pakistan	-	8	-	172	-	1	-	-	-	176	-	-	357
Hungry	-	-	-	-	-	-	4	-	-	-	-	-	4
Qatar	7	6	-	-	-	-	-	-	-	-	-	-	13
Czechoslovakia	-	-	-	-	-	-	3	-	-	-	-	-	3
U.A.E.	365	-	-	178	8	-	16	-	80	-	-	-	649
Jordan	20	32	-	-	-	-	-	-	-	-	-	-	52

2.2.20 Overseas Exports By Country Of Destination 1994-95 (Portwise-Commoditywise)

(In '000 Tonnes)

Country of Destination/Commodities	Kandla	Mumbai	J.L.	Mormu	N.Manga	Cochin	Tuti	Madras	Visakha	Paradip	Calcutta	Haldia	Total
	2	3	4	5	6	7	8	9	10	11	12	13	14
ALL COMMODITIES (Contd.)													
Kuwait	72	34	-	-	-	-	-	-	-	-	-	-	106
Bahrain	4	21	-	-	162	-	-	-	-	-	-	-	187
China	20	14	-	1674	1277	-	1	539	542	594	-	-	4661
Malaysia	52	121	-	26	-	-	68	112	62	47	-	-	486
Bangladesh	71	56	-	-	-	1	38	5	76	-	19	-	271
Philippines	162	36	-	-	2	-	44	-	-	-	-	-	244
Yugoslavia	-	-	-	-	-	-	-	-	-	-	-	-	-
Dubai	-	487	-	-	-	-	-	-	-	-	-	-	487
Spain	1	8	-	1	-	-	6	-	7	-	-	-	23
Other European countries	8	13	-	103	-	294	32	144	-	-	49	44	667
Other American countries	32	103	-	-	16	2	2	-	28	-	60	-	243
Other African countries	130	133	-	22	-	16	11	147	20	-	4	-	485
Other Asian countries	175	250	-	85	-	97	359	2555	503	-	196	141	4361
Others	563	1729	1716	1	-	257	114	893	3	-	330	5	5613

(In '000 Tonnes)

- 101 -

2.2.20 Overseas Exports By Country Of Destination 1994-95 (Portwise-Commoditywise)

(In '000 Tonnes)

Country of Destination/Commodities	Kandla	Mumbai	J.L.	Mormu-	H.Manga-	Cochin	Tuti-	Nadras	Visakh-	Paradip	Calcutta	Haldia	Total
			Nehru	gao	lore	corin			patnam				
1	2	3	4	5	6	7	8	9	10	11	12	13	14
FOODGRAINS	583	178	-	-	-	4	-	2	3	-	-	25	895
S.Arabia	125	5	-	-	-	-	-	-	-	-	-	-	130
U.S.A.	-	10	-	-	-	1	-	-	-	-	-	-	11
U.K.	11	5	-	-	-	-	-	-	-	-	-	-	16
Russia	-	1	-	-	-	-	-	-	-	-	-	-	1
Holland	-	-	-	-	-	-	-	-	-	-	-	-	-
Canada	-	2	-	-	-	-	-	-	-	-	-	-	2
Singapore	-	4	-	-	-	-	-	-	-	-	-	-	4
Behrain	-	1	-	-	-	-	-	-	-	-	-	-	1
Germany	-	-	-	-	-	-	-	-	-	-	-	-	-
Kuwait	27	6	-	-	-	-	-	-	-	-	-	-	33
Oman	-	1	-	-	-	-	-	-	-	-	-	-	1
Dubai	-	21	-	-	-	-	-	-	-	-	-	-	21
Other European countries)	-	2	-	-	-	-	-	-	-	-	-	-	2
Other African countries)	126	-	-	-	-	-	-	-	-	-	-	-	126
Other Asian countries)	96	113	-	-	-	2	-	-	3	-	-	25	239
Others	298	7	-	-	-	1	-	2	-	-	-	-	308

2.2.20 Overseas Exports By Country Of Destination 1994-95 (Portwise-Commoditywise)

(In '000 Tonnes)

Country of Destination/Commodities :	Kandla :	Mumbai :	J.L. :	Moreni :	N. Hanga :	Cochin :	Tutic :	Madras :	Visakh :	Paradip :	Calcutta :	Haldia :	Total :
	Hehru :	Gao :	Jore :	Corin :	Patnam :								
1	2	3	4	5	6	7	8	9	10	11	12	13	14
IRON & STEEL	3	111	-	-	-	-	-	58	752	6	279	107	1316
U.S.A.	-	8	-	-	-	-	-	20	101	-	5	-	134
U.K.	-	1	-	-	-	-	-	-	-	-	-	-	1
Belgium	-	1	-	-	-	-	-	-	12	-	-	-	13
Japan	-	-	-	-	-	-	-	-	107	-	26	-	135
Russia	-	-	-	-	-	-	-	-	-	-	-	-	-
Germany	-	1	-	-	-	-	-	1	16	-	-	-	20
Canada	-	-	-	-	-	-	-	-	-	-	-	-	-
Australia/N. Zealand	-	-	-	-	-	-	-	-	41	-	-	-	41
Kuwait	-	2	-	-	-	-	-	-	-	-	-	-	2
Other European countries	-	1	-	-	-	-	-	6	5	6	-	-	18
Other African countries	-	9	-	-	-	-	-	-	20	-	-	-	29
Other Asian countries	-	73	-	-	-	-	-	22	426	-	100	-	621
Others	3	15	-	-	-	-	-	9	22	-	146	107	302
MACHINERY	-	187	-	-	-	9	-	23	-	-	-	-	219
U.S.A.	-	15	-	-	-	-	-	4	-	-	-	-	19
Russia	-	2	-	-	-	-	-	-	-	-	-	-	2
Japan	-	-	-	-	-	-	-	-	-	-	-	-	-
Germany	-	7	-	-	-	-	-	1	-	-	-	-	8
Other African countries	-	-	-	-	-	-	-	2	-	-	-	-	2
Other European countries	-	3	-	-	-	6	-	4	-	-	-	-	13
Middle East	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Asian countries	-	68	-	-	-	-	-	4	-	-	-	-	72
S. America	-	-	-	-	-	-	-	-	-	-	-	-	-
Others	-	92	-	-	-	3	-	6	-	-	-	-	103

2.2.20 Overseas Exports By Country Of Destination 1994-95 (Portwise-Commoditywise)

		(In '000 Tonnes)													
Country of Destination/Commodities		Kandla	Mumbai	J.L.	Mormu	N. Manga	Cochin	Tuti	Madras	Visakh	Paradip	Calcutta	Haldia	Total	
				Nehru	gao	lore		corin		patnam					
1	2	3	4	5	6	7	8	9	10	11	12	13	14		
CHEMICALS															
U.S.A.	-	-	-	-	-	-	-	-	121	-	-	-	-	121	
U.S.S.R.	-	-	-	-	-	-	-	-	8	-	-	-	-	8	
Japan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Germany	-	-	-	-	-	-	-	-	5	-	-	-	-	5	
Australia/N. Zealand	-	-	-	-	-	-	-	-	5	-	-	-	-	5	
Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Other Asian)	-	-	-	-	-	-	-	-	-	-	-	-	-	0	
Countries)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Other European)	-	-	-	-	-	-	-	-	54	-	-	-	-	54	
Countries)	-	-	-	-	-	-	-	-	30	-	-	-	-	30	
Others	-	-	-	-	-	-	-	-	19	-	-	-	-	19	
TEA															
U.S.A.	-	-	-	-	-	58	26	-	-	-	89	30	-	203	
U.S.S.R.	-	-	-	-	-	3	-	-	-	-	-	-	-	3	
U.K.	-	-	-	-	-	-	6	-	-	-	-	-	-	6	
Japan	-	-	-	-	-	3	-	-	-	-	4	-	-	7	
Canada	-	-	-	-	-	1	-	-	-	-	3	-	-	4	
Germany	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Australia/N. Zealand	-	-	-	-	-	2	-	-	-	-	-	-	-	2	
Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Other Asian)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Countries)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Other European)	-	-	-	-	-	4	-	-	-	-	3	-	-	7	
Countries)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Others	-	-	-	-	-	18	-	-	-	-	-	-	26	44	
						27	20				79	4		130	

2.2.20 Overseas Exports By Country Of Destination 1994-95 (Portwise-Commoditywise)

(In '000 Tonnes)

Country of Destination/Commodities :	Kandla	Mumbai	J.L. Nehru	Morwa	N. Hanga	Cochin	Tuticorin	Madras	Visakhapatnam	Paradip	Calcutta	Haldira	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14
BEVERAGE & TOBACCO	-	17	-	-	1	-	-	3	-	-	-	-	21
U.S.A.	-	-	-	-	-	-	-	-	-	-	-	-	-
U.S.S.R.	-	-	-	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-	-	-	-
Romania	-	-	-	-	-	-	-	-	-	-	-	-	-
U.K.	-	-	-	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-	-	-	-	-
Holland	-	-	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-	-	-	-
U.A.E.	-	-	-	-	-	-	-	-	-	-	-	-	-
Aden	-	-	-	-	-	-	-	-	-	-	-	-	-
Australia/N.Zealand	-	-	-	-	-	-	-	-	-	-	-	-	-
Other European Countries	-	-	-	-	-	-	-	-	-	-	-	-	-
Others	-	17	-	-	1	-	-	3	-	-	-	-	21

2.2.20 Overseas Exports By Country Of Destination 1994-95 (Portwise-Commoditywise)

(In '000 Tonnes)														
Country of Destination/Commodities	Kandla	Mumbai	J.L. Nehru	Mormu	N. Mangalore	Cochin	Tuticorin	Madras	Visakhapatnam	Paradip	Calcutta	Haldia	Total	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
IRON ORE	-	-	-	14580	5694	-	-	5149	4230	1881	-	-	31934	
Japan	-	-	-	8142	1707	-	-	2001	3788	1383	-	-	17021	
Korea (S)	-	-	-	1505	59	-	-	-	132	-	-	-	1690	
West Indies	-	-	-	-	-	-	-	-	-	-	-	-	-	
Romania	-	-	-	807	-	-	-	-	-	-	-	-	807	
Italy	-	-	-	1299	-	-	-	-	-	-	-	-	1299	
Pakistan	-	-	-	150	-	-	-	-	-	-	-	-	150	
U.A.E.	-	-	-	178	-	-	-	-	-	-	-	-	178	
Holland	-	-	-	543	-	-	-	-	-	-	-	-	543	
Belgium	-	-	-	236	-	-	-	-	-	-	-	-	236	
Korea (N)	-	-	-	-	-	-	-	-	-	-	-	-	-	
Bahrain	-	-	-	-	162	-	-	-	-	-	-	-	162	
Australia	-	-	-	-	248	-	-	-	-	-	-	-	248	
Iraq	-	-	-	-	-	-	-	-	-	-	-	-	-	
Germany	-	-	-	60	-	-	-	-	-	-	-	-	60	
Turkey	-	-	-	-	383	-	-	-	-	-	-	-	383	
Hungary	-	-	-	-	-	-	-	-	-	-	-	-	-	
Czechoslovakia	-	-	-	-	-	-	-	-	-	-	-	-	-	
China	-	-	-	1624	1249	-	-	537	310	274	-	-	3994	
U.S.A.	-	-	-	-	-	-	-	-	-	-	-	-	-	
Qatar	-	-	-	-	-	-	-	-	-	-	-	-	-	
Singapore	-	-	-	-	-	-	-	-	-	-	-	-	-	
France	-	-	-	41	-	-	-	126	-	-	-	-	126	
Jordan	-	-	-	-	-	-	-	-	-	-	-	-	41	
Iran	-	-	-	-	-	-	-	-	-	-	-	-	-	
Europe	-	-	-	-	1453	-	-	-	-	-	-	-	1453	
Others	-	-	-	395	433	-	-	2485	-	224	-	-	3537	

Note : Iron ore & Pellet in New Mangalore.

2.2.21 Container Traffic Handled At Major Ports

(In Million Tonnes)

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

(E) : Estimated

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

(In '000 Tonnes)

Item	Kandla	Mumbai	J.L. Hehru	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
EXPORT													
1990-91	344	1423	377	-	7	236	109	578	36	-	362	208	3680
1991-92	238	999	711	-	14	264	164	805	59	3	495	82	3634
1992-93	254	466	891	4	14	278	212	715	73	-	592	60	3559
1993-94	462	1750	1143	9	15	374	285	947	65	-	760	55	5865
1994-95	467	2605	1560	11	4	534	427	1097	77	-	928	59	7799
IMPORT													
1990-91	158	2465	279	-	2	39	57	559	46	-	302	108	4015
1991-92	95	1553	603	-	2	30	38	398	20	-	309	33	3081
1992-93	105	2030	821	1	1	38	65	536	12	-	417	35	4061
1993-94	266	3349	933	2	-	49	120	629	16	-	639	33	6038
1994-95	331	3285	1369	2	4	165	226	922	49	-	833	24	9210
TOTAL													
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
1993-94	730	5099	2076	11	15	423	405	1576	81	-	1399	88	11903
1994-95	798	5920	2929	13	8	699	653	2019	126	-	1761	83	15009

2.2.22(a) Container Cargo as well as tare weight of Container
at major ports during 1994-95

(000 Tonnes)

Container Cargo	Tare Weight	Container Traffic
Kandla	685	113
Mumbai	5920	994
J.L.Nehru	2319	610
Mormugao	13	4
N.Mangalore	8	2
Cochin	516	163
Tuticorin	541	112
Madras	...	...
Vizag	102	24
Calcutta	1491	270
Haidera	71	12
Total	11666	2324
		16009

Note:-(1) Total may not tally because of non-availability of
break-up of Madras Port

(1) Tare weight included in the traffic in respect
of Kandla, Calcutta, Haidera, N.Mangalore, Tuticorin, Cochin, J.L.Nehru
and Vizag ports and excluded in respect of Mumbai and Mormugao

2.2.23 Container Traffic Handled at Major Port (Type-Wise)

	KANDLA			MUMBAI			JAWAHARLAL NEHRU			
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
IMPORT										
20'	14233	26616	25319	161083	226945	252657	56215	73524	91959	
40'	10883	20830	19107	102543	138229	142741	40513	46270	55003	
	1675	2893	3106	29270	44358	54958	12851	13627	18478	
Stuffed										
20'	4901	13232	17371	107687	151092	179900	35866	43431	59940	
40'	3957	10548	14183	69225	90794	99212	24404	30541	41078	
	472	1342	1594	19231	30149	40344	5731	6445	9431	
Empty										
20'	9332	13384	7948	53396	74853	72757	30349	30093	32019	
40'	6926	10282	4924	33318	46435	43529	16109	15729	13925	
	1203	1551	1512	10039	14209	14614	7120	7182	9047	
EXPORT										
20'	14226	24526	25931	153430	200171	223413	74179	95258	130060	
40'	11082	19766	20261	101542	126517	139475	47537	57586	75222	
	1572	2380	2835	25944	36827	41969	13321	18836	27419	
Stuffed										
20'	13255	22949	24519	138490	197664	201406	71546	92048	122657	
40'	10883	19367	19849	94026	121666	133568	46696	56436	73347	
	1186	1791	2335	22232	37999	33919	12425	17806	24655	
Empty										
20'	971	1577	1412	14940	14507	22007	2633	3210	7403	
40'	199	399	412	7516	4851	5907	841	1150	1875	
	386	589	500	3712	4828	8050	896	1030	2764	

2.2.23 Container Traffic Handled at Major Port (Type-Wise)

		KANDLA		MUMBAI		JAWAHARLAL NEHRU			
	1992-93	1993-94	1994-95	1992-93	1993-94	1994-95	1992-93	1993-94	1994-95
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
TRANSHIPMENT									
20'	-	-	-	887	1514	10923	2241	4289	22051
40'	-	-	-	669	784	10081	1543	2673	10957
	-	-	-	109	365	421	349	808	5547
Stuffed	-	-	-	887	1514	10923	2241	4289	22051
20'	-	-	-	669	784	10081	1543	2673	10957
40'	-	-	-	109	365	421	349	808	5547
Empty	-	-	-	-	-	-	-	-	-
20'	-	-	-	-	-	-	-	-	-
40'	-	-	-	-	-	-	-	-	-
TOTAL	28459	51142	51250	315400	427630	486993	142635	173071	244070
20'	21965	40596	39368	204754	264530	292297	89593	106529	141182
40'	3247	5273	5941	55323	81550	97348	26521	33271	51444
Stuffed	18156	36181	41890	247064	338270	392229	109653	139768	204648
20'	14840	29915	34032	163920	213244	242861	72643	89650	125382
40'	1658	3133	3929	41572	62513	74684	18505	25059	39633
Empty	10303	14961	9360	68336	89360	94764	32982	33303	39422
20'	7125	10681	5336	40834	51286	49436	16950	16879	15800
40'	1589	2140	2012	13751	19037	22664	8016	8212	11811

2.2.23 Container Traffic Handled at Major Port (Type-Wise)

Type	MORMUGAO			NEW MANGALORE			COCHIN		
	1992-93	1993-94	1994-95	1992-93	1993-94	1994-95	1992-93	1993-94	1994-95
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
IMPORT	-	493	888	814	902	511	27356	33806	40027
20'	-	129	242	646	730	417	13464	16490	19259
40'	-	182	323	84	86	47	6946	8658	10384
Stuffed	-	54	446	232	214	205	3675	4991	6982
20'	-	40	188	92	64	111	1839	2591	3802
40'	-	7	129	70	75	47	918	1200	1590
Empty	-	439	442	582	688	306	23681	28815	33045
20'	-	89	54	554	666	306	11625	13899	15457
40'	-	175	194	14	11	-	6028	7458	8794
EXPORT	-	351	846	1041	1022	1359	27770	36695	45312
20'	-	75	228	749	760	329	14090	18679	22040
40'	-	138	309	146	131	15	6840	9008	11636
Stuffed	-	345	772	695	815	251	27089	35885	44487
20'	-	69	224	643	743	251	13753	18455	21785
40'	-	138	274	26	36	-	6668	8715	11326
Empty	-	6	74	346	207	108	681	810	875
20'	-	6	4	106	17	78	337	224	355
40'	-	-	35	120	95	15	172	293	310

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

Type	MORMUGAO	NEW MANGALORE	COCHIN						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
TRANSHIPMENT	-	-	-	-	-	-	466	318	1107
20'	-	-	-	-	-	-	178	140	465
40'	-	-	-	-	-	-	144	89	321
Stuffed	-	-	-	-	-	-	248	318	781
20'	-	-	-	-	-	-	100	140	367
40'	-	-	-	-	-	-	74	89	207
Empty	-	-	-	-	-	-	218	-	326
20'	-	-	-	-	-	-	78	-	98
40'	-	-	-	-	-	-	70	-	114
TOTAL	844	1671	1734	1924	1819	870	55592	70819	86446
20'	204	473	470	1490	1631	746	27732	35309	41764
40'	320	599	632	217	94	62	13930	17753	22341
Stuffed	399	935	1218	1029	791	456	31012	41194	52200
20'	109	297	412	807	783	362	15692	21186	25954
40'	145	319	403	111	4	47	7650	10004	13124
Empty	445	736	516	895	1028	414	24580	29625	34246
20'	95	176	58	683	848	384	12040	14123	15810
40'	175	280	229	106	90	15	6270	7751	9218

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

Type	TUTICORIN			MADRAS			VISAHAAPATNAM		
	1992-93	1993-94	1994-95	1992-93	1993-94	1994-95	1992-93	1993-94	1994-95
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
IMPORT	17448	24501	28503	62923	81514	100920	4318	4547	5592
20'	9418	13821	14089	37179	47610	60688	2264	1919	3324
40'	4015	5340	7207	12872	16952	20116	1027	1314	1634
Stuffed	2994	5579	10656	39936	50708	76925	236	476	2317
20'	2024	3895	6072	26074	30846	45953	60	216	1405
40'	485	842	2292	6931	9931	14986	88	130	456
Empty	14454	18922	17847	22987	30806	23995	4082	4071	3275
20'	7394	9926	8017	11105	16764	13735	2204	1703	919
40'	3530	4498	4915	5941	7021	5130	939	1184	1178
EXPORT	17562	23609	28497	63512	80591	98872	4258	4148	5553
20'	9442	13179	14079	38706	46845	58446	2254	1738	2459
40'	4060	5215	7209	12403	16873	20213	1002	1205	1547
Stuffed	17383	23186	27682	62557	79434	95613	4159	4029	4760
20'	9395	13064	13742	38423	46542	57527	2241	1711	1978
40'	3994	5061	6970	12067	16446	19043	959	1159	1391
Empty	179	423	815	955	1157	3259	99	119	793
20'	47	115	337	283	303	919	13	27	481
40'	66	154	239	336	427	1170	43	46	156

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

Type	TUTICORIN			MADRAS			VISAKHAPATNAM			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
TRANSHIPMENT	-	-	-	925	526	594	-	-	-	
20'	-	-	-	677	414	232	-	-	-	
40'	-	-	-	124	56	181	-	-	-	
Stuffed	-	-	-	706	526	519	-	-	-	
20'	-	-	-	462	414	217	-	-	-	
40'	-	-	-	122	56	151	-	-	-	
Empty	-	-	-	219	-	75	-	-	-	
20'	-	-	-	215	-	15	-	-	-	
40'	-	-	-	2	-	30	-	-	-	
TOTAL	35010	48110	57000	127360	162631	200386	8576	8695	11145	
20'	18860	27000	28168	76562	94869	119366	4518	3657	4783	
40'	8075	10555	14416	25399	33881	40510	2029	2519	3181	
Stuffed	20377	28765	39338	103199	130668	173057	4395	4505	7077	
20'	11419	16959	19814	64959	77802	104697	2301	1927	2383	
40'	4479	5903	9262	19120	26433	34180	1047	1289	1847	
Empty	14633	19345	18662	24161	31963	27839	4181	4190	4068	
20'	7441	10041	8354	11603	17067	14669	2217	1730	1400	
40'	3596	4652	5154	6279	7448	6330	982	1230	1334	

Note:- * There were 199, 144 and 140 containers of size 45' in 1992-93, 1993-94 and 1994-95 res and one container of 60' in 1994-95 which have been included in 20' containers.

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

Type	: PARADIP : HALDIA : CALCUTTA : ALL PORTS												
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
: 1992-93 : 1993-94 : 1994-95 : 1992-93 : 1993-94 : 1994-95 : 1992-93 : 1993-94 : 1994-95 : 1992-93 : 1993-94 : 1994-95 : 1992-93 : 1993-94 : 1994-95													
IMPORT					2981	2259	1795	37719	48706	57158	395090	523813	605329
20'					2561	1965	1267	26717	31934	37218	246188	319927	352355
40'					210	147	264	5501	8386	9970	74451	101443	126487
Stuffed					1652	1487	1030	25635	35981	45335	209263	283989	401107
20'					1440	1469	948	19361	26311	32133	136471	176527	246085
40'					106	9	41	3137	4835	6601	36396	53661	77511
Empty					1329	772	765	12084	12725	11823	172276	215568	204222
20'					1121	498	319	7356	5623	5085	97712	121612	106720
40'					104	138	223	2364	3551	3369	37282	46978	48976
EXPORT					4343	3746	3950	35882	47301	54874	398203	517418	624667
20'					3527	2618	2326	26842	32547	34864	255771	320310	376729
40'					408	564	812	4520	7377	10005	70216	98534	123969
Stuffed					4182	3672	3869	34409	34143	51666	373765	503170	577632
20'					3374	2608	2291	25801	29675	32898	245235	310336	357460
40'					404	532	789	4304	6734	9384	64265	96417	110086
Empty					161	74	81	1473	4158	3208	22438	26248	40035
20'					153	10	35	1041	2872	1966	10536	9974	12269
40'					4	32	23	216	643	621	5951	8137	13863

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

	PARADIP	HALDIA	CALCUTTA	ALL PORTS								
	1992-93	1993-94	1994-95	1992-93	1993-94	1994-95	1992-93	1993-94	1994-95			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
TRANSHIPMENT												
20'	NIL	-	-	0	-	-	-	-	-	4519	6653	34675
40'	-	-	-	0	-	-	-	-	-	3067	4017	21735
				-	-	-	-	-	-	726	1318	6470
Stuffed	NIL	-	-	0	-	-	-	-	-	4062	6653	34274
20'	-	-	-	0	-	-	-	-	-	2774	4017	21622
40'	-	-	-	-	-	-	-	-	-	654	1318	6326
Empty	NIL	-	-	-	-	-	-	-	-	437	-	401
20'	-	-	-	-	-	-	-	-	-	293	-	113
40'	-	-	-	-	-	-	-	-	-	72	-	144
TOTAL	7324	6011	5745	73601	96007	112032	796725	1047606	1257671			
20'	6086	4589	3593	53559	64481	72082	505325	643664	743819			
40'	618	711	1076	10021	13763	19975	145700	201971	256926			
Stuffed	NIL	-	-	-	-	-	-	-	-	-	-	-
20'	5834	5165	4899	60044	79124	97001	600962	805366	1013013			
40'	4814	4083	3239	45162	55986	65031	396666	511832	625167			
	510	541	830	7441	11589	19985	102148	146767	193923			
Empty	NIL	-	-	-	-	-	-	-	-	-	-	-
20'	1490	846	846	13557	16883	15031	195563	242240	244658			
40'	1274	505	354	8397	6495	7051	106659	131832	118652			
	108	170	246	2580	4194	3990	43452	55204	63003			

2.2.24 Level of Containerisation in the General Cargo
at various Major Ports 1993-94 and 1994-95

Ports	Container Cargo (000 tonnes)		General Cargo (000 tonnes)		Percentage of Container Cargo to General Cargo		Total		Total	
	Export	Import	Export	Import	Export	Import	Export	Import	Export	Import
1	2	3	4	5	6	7	8	9	10	11
Kandla	1993-94	462	268	730	1646	757	2403	28.1	35.4	30.4
	1994-95	467	331	798	2106	1151	3257	22.2	28.8	24.5
Mumbai	1993-94	1750	3349	5099	2627	4804	7431	66.6	69.7	68.6
	1994-95	2635	3285	5920	2954	5893	8847	89.2	55.7	66.9
J.L.Nehru	1993-94	1143	933	2076	1143	933	2076	100.0	100.0	100.0
	1994-95	1560	1369	2929	1560	1369	2929	100.0	100.0	100.0
Mormugao	1993-94	9	2	11	158	15	173	5.7	13.3	6.4
	1994-95	11	2	13	28	2	30	39.3	100.0	43.3
New Mangalore	1993-94	15	neg	15	325	153	478	4.6	1.0	3.1
	1994-95	4	4	8	269	409	678	1.5	1.0	1.2
Cochin	1993-94	374	49	423	489	253	742	76.5	19.4	57.0
	1994-95	534	165	699	598	463	1061	89.3	35.6	65.9
Tuticorin	1993-94	285	120	405	1071	478	1549	26.6	25.1	26.1
	1994-95	427	226	653	1117	793	1910	38.2	28.5	34.2
Madras	1993-94	947	629	1576	1641	1150	2791	57.7	54.7	56.5
	1994-95	1097	922	2019	1729	1522	3251	63.4	60.6	62.1
Vishakapatnam	1993-94	65	16	81	1789	143	1932	3.6	11.2	4.2
	1994-95	77	49	126	1526	310	1836	5.0	15.8	6.9
Paradip	1993-94	-	-	-	-	30	30	-	-	-
	1994-95	-	-	-	-	53	53	-	-	-
Calcutta	1993-94	760	639	1399	1719	1579	3298	44.2	40.5	42.4
	1994-95	928	833	1761	1646	1922	3568	56.4	43.3	49.4
Haldia	1993-94	55	33	88	199	57	256	27.6	57.9	34.4
	1994-95	59	24	83	218	233	451	27.1	10.3	18.4
TOTAL	1993-94	5865	6038	11903	12807	10352	23159	45.8	58.3	51.4
	1994-95	7799	7210	15009	13751	14120	27871	56.7	51.1	53.9

Note : Includes Transshipment Cargo.

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

	General Cargo (000T)				% Share of com-		% Share of com-		Level of Containerisation	
	Container	Total General	Cargo		odities in total	odities in total	odities in total	Cargo to General Cargo		
	1993-94	1994-95	1993-94	1994-95	1993-94	1994-95	1993-94	1994-95		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Exports										
1. Textiles, Cotton, Yarn etc	375	478	428	498	8.9	8.3	4.5	5.3	87.6	96.0
2. Metal & Metal Products	147	246	253	274	3.5	4.3	2.7	2.9	58.1	89.8
3. Foodgrains & Other Prod.	138	168	138	168	3.3	2.9	1.4	1.8	100.0	100.0
4. Tea & Coffee	237	289	285	305	5.6	5.0	3.0	3.2	83.2	94.8
5. Granite & its other Mat.	147	187	608	631	3.5	3.2	6.4	6.7	24.2	29.6
6. Fish and other Marine Products	102	157	112	158	2.4	2.7	1.2	1.7	91.1	99.4
7. Fodder	94	142	94	142	2.2	2.5	1.0	1.5	100.0	100.0
8. Fruits & Vegetable.	114	273	309	427	2.7	4.7	3.2	4.5	36.9	63.9
9. Jute and Jute Products.	95	148	208	211	2.2	2.6	2.2	2.2	45.7	70.1
10. Spices.	65	70	90	77	1.5	1.2	0.9	0.8	72.2	90.9
11. Hosiery, Handkerchief & Millinery	46	96	73	109	1.1	1.7	0.6	1.2	63.0	88.1
12. Machinery/Instruments and Transport equipment	129	156	178	174	3.0	2.7	1.9	1.8	72.5	89.7
13. Drugs and Medicine	34	49	57	49	0.8	0.9	0.6	0.5	59.6	100.0
14. Cashew Kernels.	69	73	70	73	1.6	1.3	0.7	0.8	98.6	100.0
15. Dyes and Colours	58	52	80	56	1.4	0.9	0.8	0.6	72.5	92.9
16. Cast Iron Goods.	96	113	96	175	2.3	2.0	1.0	1.8	100.0	64.6
17. Oilfats etc.	108	64	116	69	2.6	1.1	1.2	0.7	93.1	92.8
18. Chemicals.	155	230	182	265	3.7	4.0	1.9	2.8	87.4	86.8
19. Others	2019	2763	6158	5615	47.7	48.0	64.6	59.2	32.8	49.2
Total Export*	4232	5754	9535	9476	100.0	100.0	100.0	100.0	44.4	60.7
ALL MAJOR PORTS	5865	7799	12807	13751					45.8	56.7

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

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

		General Cargo (000T)				% Share of comm- odities in Total				Level of Containerisation % of container Cargo to General Cargo (Col.2/Col.4)*100 (Col.3/Col.5)*100 1993-94 1994-95		
ALL PORTS		Container Cargo 1993-94 1994-95	Total General Cargo 1993-94 1994-95	(5)	(6)	(7)	(8)	(9)		1993-94	1994-95	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)		
IMPORTS												
1. Iron & Steel, Metal and Metal Products	764	1309	1944	3156	15.8	23.8	23.0	28.6	39.3	41.5		
2. Chemicals	410	561	491	622	8.5	10.2	5.8	5.6	83.5	90.2		
3. Paper, Newsprints etc.	436	342	497	677	9.0	6.2	5.9	6.1	87.7	50.5		
4. Foodgrains & other Cereals	224	115	297	178	4.6	2.1	3.5	1.6	75.4	85.3		
5. Plastic and its products	275	366	298	384	5.7	6.7	3.5	3.5	92.3	95.3		
6. Machinery/Instruments and Transport equip.	758	162	241	309	3.3	3.3	2.8	2.8	314.5	58.9		
7. Textiles, Yarn, Cotton etc.	108	100	114	167	2.2	1.8	1.3	1.5	94.7	59.9		
8. Rubber and its products	98	104	108	107	2.0	1.9	1.3	1.0	92.5	97.2		
9. Oilfats	56	12	56	12	1.2	0.2	0.7	0.1	100.0	100.0		
10. Wood	128	29	155	63	2.6	0.5	1.8	0.6	81.3	46.0		
11. Others	2176	2381	4264	5352	45.1	43.3	50.4	48.6	51.0	44.5		
Total Imports*	4831	5501	8463	11025	100.0	100.0	100.0	100.0	57.1	49.9		
ALL MAJOR PORTS	6038	7210	10352	14120					58.3	51.1		

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

PORT : MUMBAI

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

Commodities	General Cargo (000T)										Level of Containerisation			
	Container		Total General		X Share of comm- odities in total		X Share of comm- odities in total		X of container Cargo to General Cargo					
	Cargo		Cargo		Container		General		Col.2	Col.3	Col.4	Col.5		
	1	2	3	4	5	6	7	8	9	10	11			
EXPORT														
1. Textiles,Cotton,Yarn etc.	114	138	159	152	6.5	5.2	6.1	5.1	71.7	90.1				
2. Metal & Metal products	81	180	151	192	4.6	6.8	5.7	6.5	53.6	93.6				
3. Tea & Coffee	14	12	15	13	0.8	0.5	0.6	0.4	93.3	92.3				
4. Foodgrains and other Cereals.	138	168	138	166	7.9	8.4	5.3	5.7	100.0	100.0				
5. Fish,shrimps and other marine products	2	2	3	2	0.1	0.1	0.1	0.1	66.7	100.0				
6. Fodder	94	142	94	142	5.4	5.4	3.6	4.6	100.0	100.0				
7. Fruits & Vegetables.	80	231	250	303	4.8	8.0	3.3	12.3	32.0	65.6				
8. Spices	21	31	43	38	1.2	1.2	1.6	1.3	48.6	81.6				
9. Hosiery, Hardberasherry and Millinery.	46	96	73	109	2.6	3.6	2.8	3.7	63.0	88.1				
10. Machinery, Instruments Transport equipments.	66	99	111	110	3.9	3.7	4.2	3.7	61.3	90.0				
11. Drugs and Medicines.	34	45	57	49	1.9	1.9	2.2	1.7	59.6	100.0				
12. Dyes and Colours.	58	52	80	56	3.3	2.0	3.0	1.9	72.5	92.9				
13. Oil seeds, fats etc.	64	29	66	29	3.7	1.1	2.5	1.0	97.0	100.0				
14. Chemicals	84	140	97	149	4.8	5.3	3.7	5.0	86.6	94.0				
15. Others	852	1266	1290	1382	48.7	48.0	49.1	46.6	66.0	91.6				
Total Export	1750	2635	2627	2954	100.0	100.0	100.0	100.0	66.6	89.2				

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

PORT : MUMBAI

Commodities	General Cargo (000T)											
	Container Cargo	Total General Cargo	% Share of com- odities in Total				% Share of com- odities in Total				Level of Containerisation % of container	
			1993-94	1994-95	1993-94	1994-95	1993-94	1994-95	1993-94	1994-95	Col.2 Col.3	Col.4 Col.5
1	2	3	4	5	6	7	8	9	10	11		
IMPORT												
1. Iron & Steel	524	616	1248	1822	15.6	18.8	25.0	30.9	42.0	88.7		
2. Metal & Metal Products.	90	431	146	649	2.7	13.1	3.0	11.0	61.6	66.4		
3. Chemicals	270	395	333	446	6.1	12.0	6.9	7.6	81.1	88.6		
4. Paper, Newsprints etc.	377	283	377	574	11.3	8.6	7.9	9.7	100.0	49.3		
5. Plastic & its products	192	287	215	304	5.7	8.7	4.5	5.2	89.3	94.4		
6. Machinery/Instrument and Transport equipments.	118	115	178	206	3.5	3.5	3.7	3.5	66.3	55.8		
7. Textiles,cotton,yarn etc.	63	51	67	103	1.9	1.6	1.4	1.8	94.0	49.5		
8. Hair and wool	61	3	64	3	1.8	0.1	1.3	0.1	55.3	100.0		
9. Rubber and its products.	62	57	69	59	1.9	1.7	1.4	1.0	89.8	96.6		
10.Oil, fats etc.	56	12	56	12	1.7	0.4	1.2	0.2	100.0	100.0		
11.Woodpulp.	119	18	119	18	3.6	0.5	2.5	0.3	100.0	100.0		
12.Foodgrains & other cereals.	212	85	212	85	6.3	2.6	4.4	1.4	100.0	100.0		
13.Industrial alcohols & sprits(non-potable)	3	2	18	8	0.1	0.1	0.4	0.1	16.7	25.0		
14.Drugs & Medicine.	7	16	11	19	0.2	0.5	0.2	0.3	63.6	84.2		
15.Fertilizers	1	12	1	12	neg.	0.4	neg.	0.2	100.0	100.0		
16.Fertilizers raw mat.	335	-	335	-	10.0	-	7.0	-	100.0	-		
17.Others	859	902	1355	1573	25.6	27.4	26.2	26.7	63.4	57.3		
Total Imports	3349	3285	4804	5893	100.0	100.0	100.0	100.0	69.7	55.7		

PORT : COCHIN

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

Commodities	General Cargo (000T)					Level of Containerisation					
	Container Cargo	Total General Cargo	% Share of commodities in Total Container Cargo				% of container Cargo to General Cargo				
			Container Cargo	General Cargo	Col.2	Col.3	Col.4	Col.5			
1993-94	1994-95	1993-94	1994-95	1993-94	1994-95	1993-94	1994-95	1993-94	1994-95		
EXPORT											
1. Textiles, Cotton, Yarn etc.	22	43	22	43	5.9	11.1	4.5	7.2	100.0	100.0	
2. Tea & Coffee	75	139	91	144	20.1	18.1	18.6	24.1	82.4	96.5	
3. Fish, shrimps and other marine products.	73	87	81	87	19.5	18.2	16.6	14.5	90.1	100.0	
4. Spices	44	39	47	39	11.8	7.3	9.6	6.5	93.6	100.0	
5. Cashew kernels	34	39	35	39	9.1	11.1	7.2	6.5	97.1	100.0	
6. Chemicals	16	23	21	24	4.3	22.6	4.3	4.0	76.2	95.8	
7. Coir Products	29	43	30	44	7.7	100.0	6.1	7.4	96.7	97.7	
8. Others.	81	121	162	176	21.7		33.1	29.8	50.0	68.0	
Total Export	374	534	489	598	100.0		100.0	100.0	76.5	89.3	

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

PORT : COCHIN

Commodities	General Cargo (000T)										Level of Containerisation	
	Container Cargo		Total General Cargo		% Share of com- odities in Total		% Share of com- odities in Total		% of container Cargo to General Cargo			
	1993-94	1994-95	1993-94	1994-95	1993-94	1994-95	1993-94	1994-95	1993-94	1994-95	Col.2	Col.3
	2	3	4	5	6	7	8	9	10	11	Col.4	Col.5
1											----- x100	----- x100
IMPORT												
1. Iron & Steel Metal & Metal Products.	3	5	3	6	6.1	3.0	1.2	1.3	100.0	83.3		
2. Chemicals.	1	3	4	10	2.0	1.8	1.6	2.2	25.0	30.0		
3. Paper, Newsprints etc.	1	1	12	1	2.0	0.6	4.7	0.2	8.3	100.0		
4. Machinery	4	1	4	1	8.2	0.6	1.6	0.2	100.0	100.0		
5. Rubber and its products.	6	18	8	18	15.3	10.9	3.2	3.9	100.0	100.0		
6. Cashew nuts	-	-	31	5	-	-	12.2	1.1	-	-		
7. Other	32	137	191	422	85.4	83.1	75.5	91.1	16.8	32.5		
Total Imports	49	165	253	463	100.0	100.0	100.0	100.0	19.4	35.6		

PORT : TUTICORIN

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

Commodities	General Cargo (000T)										Level of Containerisation	
	Container		Total General		% Share of com- odities in Total		% Share of com- odities in Total		% of container Cargo to General Cargo			
	Cargo		Cargo		Container		General		Col.2		Col.3	
					Cargo		Cargo		Col.4		Col.5	
	1993-94	1994-95	1993-94	1994-95	1993-94	1994-95	1993-94	1994-95	1993-94	1994-95	1993-94	1994-95
	2	3	4	5	6	7	8	9	10	11		
EXPORT												
1. Cotton Yarn, etc.	42	52	42	52	14.7	12.2	3.9	4.7	100.0	100.0		
2. Tea & Coffee	29	24	34	25	10.2	5.6	3.2	2.2	85.3	86.0		
3. Frozen Cargo	10	14	10	14	3.5	3.3	1.0	1.3	100.0	100.0		
4. Garnet Sand	19	-	32	14	6.7	-	3.0	1.3	59.4	-		
5. Cashew Kernels	35	34	35	34	12.3	7.9	3.2	3.0	100.0	100.0		
6. Others.	150	303	918	978	62.8	71.0	65.7	87.5	16.3	31.0		
Total Export	285	427	1071	1117	100.0	100.0	100.0	100.0	26.6	36.2		
IMPORT												
1. Iron & Steel Metal & Metal Products	-	-	-	-	-	-	-	-	-	-		
2. Raw Cashew	37	48	166	228	31.1	21.2	35.2	28.8	22.0	21.1		
3. Others	63	176	310	565	69.7	78.8	64.8	71.2	26.8	31.5		
Total Imports	120	226	478	793	100.0	100.0	100.0	100.0	25.1	28.5		

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

PORT : MADRAS

Commodities	General Cargo (000T)										Level of Containerisation	
	Container Cargo		Total General Cargo		% Share of commodities in Total Container Cargo		% Share of commodities in Total General Cargo		% of container Cargo to General Cargo			
	1993-94	1994-95	1993-94	1994-95	1993-94	1994-95	1993-94	1994-95	Col.2	Col.3		
									----- x100 -----	----- x100 -----		
1	2	3	4	5	6	7	8	9	10	11		
EXPORT												
1. Textiles,Cotton Yarn etc.	197	245	205	251	20.8	22.3	12.5	14.5	56.1	97.6		
2. Metal & Metal Products	68	66	102	82	7.0	6.0	6.2	4.8	64.7	80.5		
3. Tea & Coffee	8	4	8	4	0.8	0.4	0.5	0.2	100.0	100.0		
4. Granite blocks & its other materials	147	187	608	631	15.5	17.1	37.1	36.6	24.2	29.6		
5. Fish,shrimps and other marine products	27	30	28	31	2.9	2.7	1.7	1.8	96.4	96.8		
6. Fruits & Vegetables	34	42	59	64	3.6	3.8	3.6	3.7	57.6	65.6		
7. Machinery Instruments	81	57	67	64	6.4	5.2	4.1	3.7	91.0	69.1		
Transport equipment												
8. Oil seeds,Fats etc.	44	35	50	40	4.7	3.2	3.0	2.3	88.0	87.5		
9. Chemicals	59	67	64	92	6.2	6.1	3.9	5.3	92.2	72.8		
10.Others	304	364	450	470	32.1	33.2	27.4	27.1	67.6	77.4		
Total Exports	947	1097	1641	1729	100.0	100.0	100.0	100.0	57.7	63.4		

Note: Transhipment Cargo Excluded.

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

PORT : MADRAS

Commodities	General Cargo (000T)											Level of Containerisation			
	Container		Total General		% Share of commodities in total			% Share of commodities in total			% of Cargo to General Cargo				
	Cargo	Cargo	Cargo	Container	Cargo	General	Cargo	General	Col.2	Col.3					
											Col.4	Col.5			
	1	2	3	4	5	6	7	8	9	10	11				
IMPORT															
1. Iron & Steel Metal & Metal Products	97	139	312	421	15.4	15.1	27.1	27.7	31.1	33.0					
2. Chemicals	76	97	91	100	12.1	10.5	7.9	6.6	83.5	97.0					
3. Paper, Paper products etc.	58	58	108	102	9.2	6.3	9.4	6.7	53.7	56.9					
4. Wheat Flour, other cereals & products	12	30	85	91	1.9	3.2	7.4	6.0	14.1	33.0					
5. Plastic & its' products	83	79	83	80	13.2	8.6	7.2	5.2	100.0	98.8					
6. Machinery/Instruments and Transport equipments	36	66	59	102	5.7	7.2	5.1	6.7	61.0	64.7					
7. Textiles, cotton, Hair and wool etc.	45	49	47	64	7.2	5.3	4.1	4.2	95.7	76.6					
8. Rubber and its products	26	29	29	30	4.5	3.1	2.5	2.0	96.6	86.7					
9. Wood Pulp	7	11	36	45	1.1	1.2	3.1	2.9	19.4	24.4					
10. Drugs & Medicines	6	9	6	10	1.0	1.0	0.5	0.6	100.0	90.0					
11. Plantation commodities	9	21	13	21	1.4	2.3	1.2	1.4	59.2	100.0					
12. Others	172	334	281	456	27.3	36.2	24.5	30.0	61.2	73.2					
Total Imports	629	922	1150	1522	100.0	100.0	100.0	100.0	54.7	80.6					

Note : Transhipment cargo excluded.

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

PORT : VISHAKAPATNAM

Commodities	General Cargo (000T)				X Share of comm- odities in Total				X Share of comm- odities in Total				Level of Containerisation % of container Cargo to General Cargo			
	Container Cargo		Total General Cargo		Container Cargo		General Cargo		Container Cargo		General Cargo		Col.2 Col.3 ----- x100 Col.4 Col.5			
	1993-94	1994-95	1993-94	1994-95	1993-94	1994-95	1993-94	1994-95	1993-94	1994-95	1993-94	1994-95	1993-94	1994-95	1993-94	1994-95
	2	3	4	5	6	7	8	9	10	11						
1																
EXPORT																
1. Shrimps/Reefers Cargo	21	38	21	38	32.3	49.3	1.2	2.5	100.0	100.0						
2. Alumina Ingots	31	34	44	52	47.7	44.2	2.4	3.4	70.4	85.4						
3. Others	13	5	1724	1436	20.0	6.5	96.4	94.1	0.8	0.3						
Total Exports	65	77	1789	1526	100.0	100.0	100.0	100.0	3.6	5.0						
IMPORT																
Total Imports	16	49	143	310	100.0	100.0	100.0	100.0	11.2	15.6						

PORT : CALCUTTA

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

General Cargo (000T)											Level of Containerisation X of container Cargo to General Cargo			
Commodities	Container Cargo		Total General Cargo		X Share of commodities in Total Container Cargo		X Share of commodities in Total General Cargo		Col. 2 Col.3 -----x100-----x100 Col. 4 Col.5					
	1	2	3	4	5	6	7	8	9	10	11			
EXPORT														
1. Tea & Coffee	82	80	108	89	10.8	8.6	6.3	5.4	75.9	89.9				
2. Jute & Jute Products	87	138	197	201	11.4	14.9	11.5	12.2	44.2	68.7				
3. Cast Iron goods	95	112	95	174	12.5	12.0	5.5	10.6	100.0	54.4				
4. Mica	20	22	20	22	2.6	2.4	1.2	1.3	100.0	100.0				
5. Iron & Steel Machinery	109	139	492	336	14.4	15.0	28.6	20.4	22.2	41.4				
6. Others	367	437	607	824	48.3	47.1	46.9	50.1	45.5	53.0				
Total Export	760	928	1719	1646	100.0	100.0	100.0	100.0	44.2	56.4				
IMPORT														
1. Iron & Steel Machinery	29	104	213	244	4.5	12.5	13.5	12.7	13.6	42.6				
2. Chemicals	63	88	63	86	9.9	7.9	4.0	3.4	100.0	100.0				
3. Others	547	663	1303	1612	85.6	79.6	82.5	83.9	42.0	41.1				
Total Import	639	853	1579	1922	100.0	100.0	100.0	100.0	40.5	43.3				

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

PORT : HALDIA

General Cargo(000T)											
Commodities	Container		Total General		% Share of comm- odities in Total		% Share of comm- odities in Total		Level of Containerisation % of container Cargo to General Cargo		
	Cargo	Cargo	Cargo	Cargo	Container Cargo	General Cargo	General Cargo	General Cargo	Col.2 ----- x100	Col.3 ----- x100	Col.4 Col.5
1993-94	1994-95	1993-94	1994-95	1993-94	1994-95	1993-94	1994-95	1993-94	1994-95	1993-94	1994-95
1	2	3	4	5	6	7	8	9	10	11	
EXPORT											
1. Tea & Coffee	29	30	29	30	52.7	50.8	14.6	13.8	100.0	100.0	
2. Jute & Jute Products	8	10	11	10	14.6	17.0	5.5	4.6	72.7	100.0	
3. Cast Iron goods	1	1	1	1	1.8	1.7	0.5	0.5	100.0	100.0	
4. Mica	5	4	5	4	9.1	6.8	2.5	1.8	100.0	100.0	
5. Others	12	14	153	173	21.8	23.7	76.9	79.3	7.8	6.1	
Total Export	55	59	199	218	100.0	100.0	100.0	100.0	27.6	27.1	
IMPORT											
1. Iron & Steel, Metal & its Products	21	14	22	14	63.6	58.3	38.6	6.0	95.5	100.0	
2. Chemicals	-	-	-	-	-	-	-	-	-	-	
3. Machinery	-	-	-	-	-	-	-	-	-	-	
4. Others	12	10	35	219	36.4	41.7	61.4	94.0	34.3	4.6	
Total Import	33	24	57	233	100.0	100.0	100.0	100.0	57.9	10.3	

2.3.3.1 Passenger Traffic At Major Ports In India

(000, wt)

Port/Year	Emarked	Disembarked	Total	Emarked	Disembarked	Total	Emarked	Disembarked	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
KANDLA									
1960-61	(a)	(a)	(a)	80.3	80.4	160.7	80.3	80.4	160.7
1965-66	(a)	(a)	(a)	90.7	83.8	174.5	90.7	83.8	174.5
1970-71	-	-	-	29.7	29.9	59.6	29.7	29.9	59.6
1988-89				No	Traffic				
1989-90				No	Traffic				
1990-91				No	Traffic				
1991-92				No	Traffic				
1992-93				No	Traffic				
1993-94				No	Traffic				
1994-95				No	Traffic				
MUMBAI									
1960-61	88.1	91.8	179.9	382.7	365.5	748.2	470.8	457.3	928.1
1965-66	67.8	75.9	143.7	309.4	294.9	604.3	377.2	370.8	748.0
1970-71	50.7	52.9	103.6	248.7	230.9	479.6	299.4	283.8	583.2
1975-76	77.3	36.0	113.3	82.6	72.2	154.8	159.9	108.2	268.1
1980-81	17.9	20.9	38.8	121.8	116.1	237.9	139.7	137.0	276.7
1985-86	6.3	6.2	12.5	121.9	124.1	246.0	128.2	130.3	258.5
1986-87	5.1	3.5	8.6	123.9	123.2	247.1	129.0	126.7	255.7
1987-88	6.3	7.3	13.6	117.5	119.9	237.4	123.8	127.2	251.0
1988-89	6.3	7.0	13.3	11.6	9.8	21.4	17.9	16.8	34.7
1989-90	8.7	9.1	17.8	0.0	0.0	0.0	8.7	9.1	17.8
1990-91	5.8	9.1	14.9	0.0	0.0	0.0	5.8	9.1	14.9
1991-92	6.9	7.3	14.2	0.0	0.0	0.0	6.9	7.3	14.2
1992-93	10.3	9.0	19.3	-	-	-	10.3	9.0	19.3
1993-94	7.2	8.6	15.8	-	-	-	7.2	8.6	15.8
1994-95	7.0	12.9	19.9	-	-	-	7.0	12.9	19.9

2.3.1 Passenger Traffic At Major Ports In India

(In '000)

		Overseas		Coastal		Total	
Port/Year	Embarked	Disembarked	Total	Embarked	Disembarked	Total	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8) (9) (10)
J.L. Nehru							
1989-90					No	Traffic	
1990-91					No	Traffic	
1991-92					No	Traffic	
1992-93					No	Traffic	
1993-94					No	Traffic	
1994-95					No	Traffic	
MORMUGAO							
1960-61	(a) 0.4	(a) 1.3	(a) 1.7	4.3	4.3	8.6	4.3 8.6
1965-66		1.4	1.4	10.1	9.6	19.7	10.9 21.4
1970-71				1.4	0.1	1.5	1.5 2.9
1975-76		0.2	0.2	-	-	-	0.2 0.2
1988-89					No	Traffic	
1989-90					No	Traffic	
1990-91					No	Traffic	
1991-92					No	Traffic	
1992-93					No	Traffic	
1993-94					No	Traffic	
1994-95					No	Traffic	

2.3.1 Passenger Traffic At Major Ports In India

(In '000)

Port/Year	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				
1993-94					No Traffic				
1994-95					No Traffic				
COCHIN									
1960-61	1.9	0.6	2.5	0.6	0.8	1.4	2.5	1.4	3.9
1965-66	0.1	0.1	0.2	0.6	1.2	1.8	0.7	1.3	2.0
1970-71	0.0	0.0	0.0	1.3	3.1	4.4	1.3	3.1	4.4
1975-76	0.0	0.0	0.0	5.7	5.2	10.9	5.7	5.2	10.9
1980-81	0.0	0.1	0.1	5.9	7.6	13.5	5.9	7.7	13.6
1985-86	0.3	0.4	0.7	16.4	19.8	36.2	16.7	20.2	36.9
1986-87	0.6	0.7	1.3	17.2	18.6	35.8	17.8	19.3	37.1
1987-88	0.4	0.9	1.3	16.2	21.0	37.2	16.6	21.9	38.5
1988-89	0.0	0.0	0.0	21.4	20.5	41.9	21.4	20.5	41.9
1989-90	0.7	0.7	1.4	20.3	20.3	40.6	21.0	21.0	42.0
1990-91	1.3	1.4	2.7	19.3	21.1	40.4	20.6	22.5	43.1
1991-92	1.7	1.7	3.4	25.1	26.9	52.0	26.8	28.6	55.4
1992-93	4.4	4.3	8.7	28.1	27.4	55.5	32.5	31.7	64.2
1993-94	1.3	1.2	2.5	31.3	28.3	59.6	32.6	29.5	62.1
1994-95	1.8	1.7	3.5	30.7	26.5	57.2	32.5	28.2	60.7

2.3.1 Passenger Traffic At Major Ports In India

(In '000)

		Overseas		Coastal		Total			
Port/Year		Emarked	Disembarked	Total	Emarked	Disembarked	Total	Emarked	Disembarked
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
MADRAS									
1960-61	26.2	32.9	59.1	3.7	2.5	6.2	29.9	35.4	65.3
1965-66	27.3	72.0	99.3	4.6	4.0	8.6	31.9	76.0	107.9
1970-71	24.7	35.4	60.1	8.9	8.0	16.9	33.6	43.4	77.0
1975-76	20.9	15.9	36.8	15.1	13.8	28.9	36.0	29.7	65.7
1980-81	16.2	14.4	30.6	19.8	19.0	38.8	36.0	33.4	69.4
1985-86	2.0	3.0	5.0	24.2	23.2	47.4	26.2	26.2	52.4
1986-87	2.3	3.7	6.0	27.0	24.3	51.3	29.3	28.0	57.3
1987-88	0.4	0.6	1.0	34.8	35.6	70.4	35.2	36.2	71.4
1988-89	0.6	0.5	1.1	37.2	34.2	71.4	37.8	34.7	72.5
1989-90	neg.	0.9	0.9	30.0	25.8	55.8	30.0	26.7	56.7
1990-91	neg.	0.1	0.1	31.3	27.6	58.9	31.3	27.7	59.0
1991-92	7.0	1.4	8.4	27.2	25.9	53.1	34.2	27.3	61.5
1992-93	6.4	0.9	7.3	34.3	32.6	66.9	40.7	33.5	74.2
1993-94	6.9	-	6.9	41.2	37.3	78.5	48.1	37.3	85.4
1994-95	10.1	-	10.1	38.2	32.4	70.6	48.3	32.4	80.7
VISAKHAPATNAM									
1965-66	-	9.6	9.6	-	-	-	-	9.6	9.6
1975-76	-	-	-	0.3	0.8	1.1	1.0	0.8	1.1
1980-81	-	0.7	0.7	1.0	1.2	2.2	1.8	2.0	2.9
1985-86	-	-	-	1.8	2.0	3.8	4.5	4.8	3.8
1986-87	-	-	-	4.5	4.8	9.3	3.0	1.4	9.3
1987-88	-	-	-	3.0	1.4	4.4	1.3	1.1	4.4
1988-89	-	-	-	1.3	1.1	2.4	2.2	1.1	2.4
1989-90	-	-	-	2.2	4.2	6.4	7.6	4.2	6.4
1990-91	-	-	-	7.6	7.9	15.5	2.7	7.9	15.5
1991-92	-	-	-	2.7	3.3	6.0	2.5	3.3	6.0
1992-93	-	-	-	2.5	1.8	4.3	4.6	1.8	4.3
1993-94	-	-	-	4.6	7.4	12.0	4.6	7.4	12.0
1994-95	-	-	-	3.6	4.8	8.4	3.6	4.8	8.4

2.3.1 Passenger Traffic At Major Ports In India

(In '000)

Port/Year	Overseas		Coastal		Total				
	Embararked	Disembararked	Total	Embararked	Disembararked	Total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
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	9.7	8.6	18.3
1975-76	-	-	-	13.2	10.7	23.9	13.2	10.7	23.9
1980-81	-	-	-	14.6	11.0	25.6	14.6	11.0	25.0
1985-86	-	-	-	25.7	22.6	48.3	25.7	22.6	48.3
1986-87	-	-	-	24.4	22.2	46.6	24.4	22.2	46.6
1987-88	-	-	-	27.3	21.1	48.4	27.3	21.1	48.4
1988-89	-	-	-	22.2	19.6	41.8	22.2	19.6	41.8
1989-90	-	-	-	20.3	16.6	36.9	20.3	16.6	36.9
1990-91	-	-	-	12.3	11.6	23.9	12.3	11.6	23.9
1991-92	-	-	-	13.8	11.5	25.3	13.8	11.5	25.3
1992-93	-	-	-	21.6	19.1	40.7	21.6	19.1	40.7
1993-94	-	-	-	22.8	17.5	40.3	22.8	17.5	40.3
1994-95	-	-	-	20.5	18.4	38.9	20.5	18.4	38.9
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
1993-94	15.4	9.8	25.2	99.9	90.5	190.4	115.3	100.3	215.6
1994-95	18.9	14.6	33.5	93.0	82.1	175.1	111.9	96.7	208.6

(a) : Included in Coastal.

2.4.1 Number And Size Of Ships Performed

(GRT in '000)

Port	Year	Container		Break Bulk		Dry Bulk		Liquid Bulk		Lash		Ro-Ro		Total	
		No.	GRT	No.	GRT	No.	GRT	No.	GRT	No.	GRT	No.	GRT	No.	GRT
Kandla	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	945	18658
	1991-92	61	450	239	1941	110	1219	589	15441	-	-	5	186	1004	19237
	1992-93	79	617	208	1672	145	1779	611	16749	-	-	2	50	1045	20867
	1993-94	107	750	283	2211	208	1910	643	18224	-	-	-	-	1241	23095
	1994-95	104	827	425	2357	177	1763	684	18747	-	-	-	-	1390	23694
Mumbai	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
	1993-94	653	6980	600	4780	129	1030	680	15220	32	1060	-	-	2094	29070
	1994-95	801	8370	681	5860	126	1090	694	16120	28	1050	-	-	2330	32490
J.L. Nehru	1990-91	99	...	-	-	54	...	-	-	-	-	17	...	170	...
	1991-92	237	...	-	-	54	...	-	-	-	-	53	...	344	...
	1992-93	319	3503	10	79	39	966	2	18	-	-	56	1538	426	6104
	1993-94	300	4608	1	13	43	904	-	-	-	-	78*	2316	422	7841
	1994-95	388	2730	-	-	60	855	3	14	-	-	89\$	1017	540	4616
Normugao	1988-89	6	-	31	219	236	8192	212	3184	1	37	-	-	486	11632
	1989-90	3	40	29	284	182	7183	181	2956	6	226	-	-	401	10589
	1990-91	-	-	21	262	177	7642	237	3745	2	76	-	-	437	11725
	1991-92	-	-	16	124	178	7101	267	4281	-	-	-	-	461	11506
	1992-93	11	78	21	179	292	8397	307	4937	-	-	-	-	631	13591
	1993-94	22	134	42	382	325	9586	332	5735	-	-	-	-	721	15837
	1994-95	27	179	2	23	285	10006	327	5638	-	-	-	-	636	15846

* Includes Naval And Other Ships.

\$ Includes car carrier & General ships.

2.4.1 Number And Size Of Ships Performed

(GRT in '000)

Port	Year	Container		Break Bulk		Dry Bulk		Liquid Bulk		Lash		Ro-Ro		Total	
		No.	GRT	No.	GRT	No.	GRT	No.	GRT	No.	GRT	No.	GRT	No.	GRT
N. Mangalore	1988-89	18	53	136	1152	147	3333	131	1734	-	-	-	-	432	6272
	1989-90	12	35	116	322	161	3688	111	1478	-	-	-	-	400	5523
	1990-91	11	32	135	1076	176	4051	135	1751	-	-	-	-	457	6910
	1991-92	18	66	136	1161	189	4301	149	1973	-	-	-	-	492	7501
	1992-93	18	53	143	1215	150	3700	142	1997	-	-	-	-	453	6965
Cochin	1993-94	20	59	114	967	174	4573	174	2359	-	-	-	-	482	7958
	1994-95	11	33	123	1068	179	4195	201	2816	-	-	-	-	514	8112
	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
Tuticorin	1991-92	250	1325	100	984	33	474	277	6883	10	295	-	-	670	9961
	1992-93	227	1050	90	753	33	541	289	7422	3	86	-	-	642	9852
	1993-94	267	1469	90	675	31	356	263	6812	5	115	-	-	656	9427
	1994-95	275	1652	59	402	34	376	294	8065	-	-	-	-	662	10495
	1988-89	81	535	145	576	173	3584	118	1644	2	57	-	-	519	6396
Madras	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
	1993-94	171	734	336	1052	193	4371	104	1391	2	72	-	-	806	7620
	1994-95	165	873	352	1300	234	4950	125	1595	2	47	-	-	878	8765
	1988-89	381	3321	261	1752	249	7178	484	10955	11	314	-	-	1386	23520
	1989-90	476	3726	276	2127	283	8971	437	19955	14	419	-	-	1486	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
	1993-94	306	2543	232	1718	358	8482	460	11225	14	400	-	-	1370	24368
	1994-95	327	3094	218	1639	378	9515	486	12663	15	429	-	-	1424	27340

2.4.1 Number And Size Of Ships Performed

(GRT in '000)

Port	Year	Container		Break Bulk		Dry Bulk		Liquid Bulk		Lash		Ro-Ro		Total	
		No.	GRT	No.	GRT	No.	GRT	No.	GRT	No.	GRT	No.	GRT	No.	GRT
Visakhapatnam	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
	1993-94	50	334	186	1805	426	10421	370	9256	11	314	-	-	1043	22130
Paradip	1994-95	37	192	203	1990	484	11794	478	11611	7	200	-	-	1209	25787
	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	1993-94	-	-	5	47	293	6216	89	1556	15	428	-	-	402	8247
	1994-95	-	-	13	91	335	7529	118	1785	13	371	-	-	479	9776
	1988-89	164	905	462	3004	68	585	143	1468	-	-	-	-	837	5962
	1989-90	149	863	441	2938	67	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
Haldia	1992-93	135	724	363	2506	39	378	216	2214	15	428	-	-	768	6250
	1993-94	204	1222	315	2129	19	206	201	2060	14	400	-	-	753	6077
	1994-95	222	1215	298	2241	10	104	211	2171	15	429	-	-	156	6160
	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
Haldia	1991-92	47	488	9	72	206	4808	369	8700	-	-	-	-	631	14068
	1992-93	49	402	19	194	229	5462	412	9468	-	-	-	-	709	15526
	1993-94	57	463	35	375	236	5925	394	9693	-	-	-	-	722	16456
	1994-95	63	405	48	373	261	6533	412	11255	-	-	-	-	754	18566

2.4.1 Number And Size Of Ships Performed

(GRT in '000)

Port	Year	Container		Break Bulk		Dry Bulk		Liquid Bulk		Lash		Ro-Ro		Total	
		No.	GRT	No.	GRT	No.	GRT	No.	GRT	No.	GRT	No.	GRT		
All Ports	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
	1993-94	2157	19356	2239	16154	2435	53980	3710	83531	93	2789	78	2316	10712	178126
	1994-95	2420	19570	2422	17344	2563	58710	4028	92480	80	2526	89	1017	11602	191647

2.5.1 Port-Wise Commodity-Wise Capacity

(In Million Tonnes)

Commodities	Calcutta	Haldia	Paradip	Visakhapatnam	Madras	Tuticorin	Cochin	New Mangalore	Morot	Mumbai	Kandla	J. L.	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
POL													
As on 31.3.94	2.40	8.50	-	11.50	8.50	1.10	6.50	1.00	1.50	18.00	17.00	-	78.00
As on 31.3.95	2.40	8.50	-	11.50	8.50	1.10	8.50	1.00	1.50	18.00	17.00	-	78.00
As on 31.3.96	2.40	8.50	-	11.50	8.50	1.10	10.50	1.00	1.50	18.00	17.00	-	80.00
Iron Ore													
As on 31.3.94	-	-	4.00	8.00	8.00	-	-	7.50	14.00	-	-	-	41.50
As on 31.3.95	-	-	4.00	8.00	8.00	-	-	7.50	14.00	-	-	-	41.50
As on 31.3.96	-	-	4.00	8.00	8.00	-	-	7.50	14.00	-	-	-	41.50
Coal													
As on 31.3.94	-	5.00	-	-	-	3.00	-	-	-	-	-	-	8.00
As on 31.3.95	-	5.00	-	-	-	3.00	-	-	-	-	-	-	8.00
As on 31.3.96	-	5.00	-	-	-	3.00	-	-	-	-	-	-	8.00
Fertiliser													
As on 31.3.94	-	1.80	2.00	0.35	-	-	0.40	-	-	-	0.50	2.90	7.95
As on 31.3.95	-	1.80	2.00	0.35	-	-	0.40	-	-	-	0.50	2.90	7.95
As on 31.3.96	-	1.80	2.00	0.35	-	-	0.40	-	-	-	0.50	2.90	7.95
Break-Bulk Cargo													
As on 31.3.94	2.80	1.30	1.55	3.50	3.65	2.00	1.40	1.05	0.42	7.55	3.30	-	28.62
As on 31.3.95	2.80	1.43	1.65	3.50	3.65	2.00	1.40	1.50	0.80	7.55	3.30	-	29.58
As on 31.3.96	2.80	1.43	2.55	3.80	3.65	2.00	1.40	1.50	0.80	7.55	3.30	-	30.78
Container													
As on 31.3.94	1.55	0.30	-	-	1.92	-	0.50	-	-	1.25	-	3.00	8.52
As on 31.3.95	1.55	0.30	-	-	1.92	-	0.56	-	-	1.25	-	3.00	8.98
As on 31.3.96	1.55	0.30	-	-	1.92	-	0.56	-	-	1.25	-	3.00	8.98
TOTAL													
As on 31.3.94	6.75	16.90	7.65	23.35	22.07	6.10	10.80	9.55	15.92	26.80	20.80	5.90	172.59
As on 31.3.95	6.75	17.03	7.65	23.35	22.07	6.10	11.26	10.00	16.30	26.80	20.80	5.90	174.01
As on 31.3.96	6.75	17.03	8.55	23.65	22.07	6.10	13.26	10.00	16.30	26.80	20.80	5.90	177.21

2.6.1 Selected Port Performance Indicators - By Type Of Vessels

Item/Year	Category of Vessels						
	Dry-Bulk (Mech.)	Dry-Bulk (Conv.)	Liquid Bulk	Break- Bulk	Container vessels	All Types	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	
1. No. of vessels sailed							
1993-94	865	1597	3638	2441	1993	10608	
1994-95	937	1634	4080	2687	2374	11681	
2. Av. pre-berthing waiting time(days)	2.5	2.6	1.9	2.0	1.3	1.9	
1993-94	2.5	3.2	2.2	2.7	1.5	2.4	
1994-95							
3. Av. turn round time (days)	7.2	10.1	3.5	9.4	4.5	6.3	
1993-94	6.8	11.2	4.3	9.6	4.4	6.7	
1994-95							
4. Percentage of idle time at berth to time at working berth	34	30	36	44	35	37	
1993-94	35	28	35	44	32	36	
1994-95							
5. Output per ship berth day (tonnes)	11164	2601	13028	646	1908	3892	
1993-94	12047	2742	12112	744	2122	3968	
1994-95							

Source:- Major Ports.

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

2.6.2 Selected Port Performance Indicators - By Port

Item	Kandla	Mumbai	Mormu- Sao	New Man- galore	Cochin	Tuti- corin	Madras	Vishaka- patnam	Paradip	Haldia	Cal- cutta	J.L. Nehru	All Ports
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1. No. of vessels sailed													
1993-94	1241	2210	637	482	625	806	1382	1044	329	717	736	419	10808
1994-95	1390	2507	573	514	662	878	1445	1206	432	779	755	540	11681
2. Av. pre-berthing waiting time(days)													
1993-94	3.3	2.6	2.4	1.9	0.9	2.0	1.9	1.2	1.0	1.6	1.0	0.8	1.9
1994-95	5.3	3.6	3.0	2.2	0.8	1.9	2.7	1.1	1.4	2.0	0.8	1.8	2.4
3. Av. turn round time (days)													
1993-94	7.3	6.2	6.0	5.2	4.2	5.8	6.9	6.0	5.8	5.7	9.3	4.2	6.3
1994-95	9.6	6.6	6.6	5.7	3.8	5.3	7.2	5.6	5.6	6.6	9.2	5.2	6.7
4. % of Idle time at berth to time at working berth													
1993-94	20	39	32	48	51	42	46	26	28	43	46	46	37
1994-95	20	36	29	56	49	42	42	23	24	46	47	11	36
5. Output per ship berth day (tonnes)													
1993-94	5502	2720	6346	5568	3870	2238	4294	5686	5263	6335	928	2800	3892
1994-95	5266	2632	9053	4564	4574	2725	4635	6089	5564	5844	1042	2913	3968

Source: Major Ports.

2.6.3 Number of Vessels Sailed by Type and Port.

Port	Container		Break Bulk		Dry Bulk				Liquid Bulk		All Types	
	93-94	94-95	93-94	94-95	(Mach. Operation)	(Conv. Operation)	(Conv. Operation)		93-94	94-95	93-94	94-95
Calcutta	204	222	315	313	-	-	19	10	201	211	736	755
Haldia	57	63	35	48	147	162	109	122	394	412	717	779
Paradip	-	-	5	13	36	63	257	273	31	83	329	432
Vishakhapatnam	49	39	199	207	96	109	329	377	371	474	1044	1206
Madras	253	279	330*	316**	47	52	311	326	421	472	1362	1445
Tuticorin	171	165	358	354	108	112	85	122	104	125	806	876
Cochin	263	275	74	65	19	19	6	9	261	294	625	662
New Mangalore	20	11	115	141	173	161	-	-	174	201	482	514
Mormugao	22	27	278	2	183	188	155	93	255	265	637	573
J.L.Nehru	301	368	75	85	37	39	5	21	-	7	419	540
Mumbai	653	801	645	718	-	-	129	136	783	852	2210	2507
Kandla	107	104	283	425	19	32	169	145	643	684	1241	1390
All Ports	1993	2374	2441	2687	865	937	1597	1634	3638	4080	10608	11681

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

< b Vehicles Carrier. < c Includes Conventional also.

< d 3 Vessels worked both as Break Bulk and container. One vessel worked both at Dry Bulk and Break Bulk.

Twenty Dry Bulk Vessels worked both in Mechanical and Conventional methods.

< e 23 Dry Bulk Vessels worked both in Mechanical and Conventional method. Three vessels worked both as Break Bulk and Container.

Two vessels worked both as Dry Bulk(conv.) and Break Bulk.

* Includes 14 lash vessels also.

< f Includes four other vessels

* Two vessels are double counted.

** Includes 15 lash vessels also.

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

2.6.4 Average Pre-berthing detention by Type and Port.

(In Days)

Port	Container		Break Bulk		Dry Bulk (Mech.)		Dry Bulk (conv.)		Liquid Bulk		All Types	
	93-94	94-95	93-94	94-95	93-94	94-95	93-94	94-95	93-94	94-95	93-94	94-95
Calcutta	0.8	0.6	1.0	1.0	-	-	3.5	3.2	1.0	1.0	1.0	0.9
Haldia	0.2	0.2	1.6	2.1	0.7	1.1	2.3	2.4	1.9	2.4	1.6	2.0
Paradip	-	-	0.5	2.7	1.4	1.4	1.1	1.5	0.3	0.6	1.0	1.4
Vishakhapatnam	0.2	0.2	1.5	1.6	0.4	0.5	2.4	2.2	0.5	0.2	1.2	1.1
Madras	2.4	3.9	1.6	1.6	2.3	1.4	1.7	2.0	2.0	3.5	1.9	2.7
Tuticorin	0.8	0.7	2.9	2.8	1.5	1.3	3.1	2.6	0.7	0.9	2.0	1.9
Cochin	0.5	0.5	1.1	0.4	0.7	1.1	0.3	0.7	1.3	1.2	0.9	0.8
New Mangalore	0.2	0.1	0.3	0.4	4.6 \$	5.9 \$	-	-	0.5	0.6	1.9	2.2
Mormugao	Neg.	Neg.	1.9	7.6	3.2	3.7	1.4	1.3	2.6	3.3	2.4	3.0
J.L.Nehru	0.5	1.1	0.3 @	0.9 @	3.9 \$	7.7 \$	-	-	-	-	0.8	1.8
Mumbai *	1.7	1.9	2.2	3.1	-	-	6.4	9.2	3.0	5.2	2.6	3.6
Kandla	1.2	1.9	4.7	6.6	7.6	4.8	4.8	7.1	2.5	2.8	3.3	5.3
All Ports	1.3	1.5	2.0	2.7	2.5	2.5	2.6	3.2	1.9	2.2	1.9	2.4

@ Vehicles Carrier.

* Excluding vessels handled in Stream.

\$ Includes Conventional also.

2.6.4 A - Distribution of preberthing delay according to reasons in 1994-95

Sl.No.	Category of Ships	No. of ships	Reasons									Total
			Non-avail. of berth	Non-avail. of Tug/craft	Non-avail. of pilot	Night Navigation	Draft Restriction	Ships Account	others	Lack of Cargo		
Paradip												
1.	Container	-	-	-	-	-	-	-	-	-	-	-
2.	Break Bulk	13	2.58	-	-	0.05	-	-	0.06	-	2.69	-
3.	Dry Bulk(H)	63	0.70	-	-	0.11	-	0.12	0.45	-	1.40	-
	(C)	273	1.36	-	-	0.09	-	-	0.03	-	1.48	-
4.	Liquid Bulk	63	0.60	-	-	0.09	-	-	0.06	-	0.75	-
Total		432	1.15	-	-	0.09	-	0.02	0.10	-	1.36	-
Mumbai												
1.	Container	801	1.00	-	-	-	-	0.78	0.11	-	1.89	-
2.	Break Bulk	681	1.33	-	-	-	-	1.62	0.11	-	3.06	-
3.	Dry Bulk	126	5.19	-	-	-	-	3.88	0.13	-	9.20	-
4.	Liquid Bulk	694	2.14	-	-	-	-	2.95	0.13	-	5.22	-
Total		2302	1.67	-	-	-	-	1.85	0.12	-	3.64	-
Madras												
1.	Container	279	1.25	-	-	0.03	-	2.36	0.28	-	3.92	-
2.	Break Bulk	316	0.49	-	-	0.04	-	0.86	0.13	-	1.52	-
3.	Dry Bulk(H)	52	0.88	-	-	0.06	-	0.40	0.02	-	1.36	-
	(C)	326	0.74	-	-	0.06	-	1.06	0.14	-	2.00	-
4.	Liquid Bulk	472	0.13	-	-	0.05	-	3.29	0.03	-	3.50	-
Total		1445	0.59	-	-	0.05	-	1.97	0.12	-	2.73	-

2.6.4 A - Distribution of preberthing delay according to reasons in 1984-85

Sl.No.	Category of Ships	No. of ships	Reasons								Total
			Non-avail. of berth	Non-avail. of Tug/craft	Non-avail. of pilot	Night Navigation	Draft Restriction	Ships Account	others	Lack of Cargo	
Cochin											

1.	Container	273	0.27	-	-	-	0.01	0.16	0.06	-	0.50
2.	Break Bulk	68	0.23	-	-	-	-	0.19	0.03	-	0.45
3.	Dry Bulk	28	0.69	-	-	-	0.14	-	0.04	-	0.87
4.	Liquid Bulk	294	0.91	-	-	-	0.08	0.17	0.02	-	1.18

Total			0.57	-	-	-	0.05	0.16	0.03	-	0.81
Tuticorin											

1.	Container	165	0.44	-	-	0.06	-	0.10	0.06	-	0.66
2.	Break Bulk	354	1.45	-	-	0.03	-	1.31	0.03	-	2.82
3.	Dry Bulk(M)	112	1.98	-	-	0.02	-	0.78	0.10	-	2.86
	(C)	122	1.11	-	-	0.03	-	0.06	0.01	-	1.21
4.	Liquid Bulk	125	0.26	-	-	0.09	-	0.29	0.30	-	0.94

Total			1.11	-	-	0.04	-	0.70	0.08	-	1.93
Murugao											

1.	Container	27	0.01	-	-	Neg	-	0.02	0.01	-	0.04
2.	Break Bulk	2	7.56	-	-	0.04	-	-	0.06	-	7.62
3.	Dry Bulk(M)	188	0.87	-	-	0.02	-	0.14	0.05	2.61	3.67
	(C)	93	0.34	-	-	0.02	-	0.88	0.04	-	1.30
4.	Liquid Bulk	265	1.38	-	-	-	-	1.13	0.78	-	3.31

Total			1.00	-	-	0.02	-	0.72	0.38	0.86	2.98

2.6.4 A - Distribution of preberthing delay according to reasons in 1984-85

Sl.No.	Category of Ships	No. of ships	Reasons								Total
			Non-avail. of berth	Non-avail. of Tug/craft	Non-avail. of pilot	Wight Navigation	Draft Restriction	Ships Account	others	Lack of Cargo	
Calcutta											
1.	Container	222	0.02	neg	0.21	-	-	0.06	0.32	-	0.63
2.	Break Bulk	313	0.02	0.01	0.30	-	-	0.24	0.46	-	1.03
3.	Dry Bulk	10	0.33	-	0.10	-	-	2.05	0.22	-	2.70
4.	Liquid Bulk	211	0.08	-	0.10	-	-	0.34	0.46	-	0.96
Total		755	0.04	neg.	0.22	-	-	0.24	0.42	-	0.92
Haldia											
1.	Container	63	-	-	0.07	-	-	-	0.09	-	0.16
2.	Break Bulk	48	2.05	-	-	-	-	0.01	0.06	-	2.12
3.	Dry Bulk(M (C)	162	0.83	-	0.11	-	-	0.01	0.14	-	1.09
		122	2.09	-	0.16	-	-	0.06	0.06	-	2.39
4.	Liquid Bulk	412	0.56	-	0.06	-	-	1.50	0.15	-	2.39
Total		779	0.98	-	0.10	-	-	0.80	0.13	-	2.01
New mangalore											
1.	Container	11	-	-	-	-	-	-	0.11	-	0.11
2.	Break Bulk	141	-	-	-	-	-	-	0.44	-	0.44
3.	Dry Bulk	161	5.75	-	-	-	-	-	0.20	-	5.95
4.	Liquid Bulk	201	0.26	-	-	-	-	-	0.32	-	0.56
Total		514	1.90	-	-	-	-	-	0.31	-	2.21

2.6.4 A - Distribution of preberthing delay according to reasons in 1994-95

Sl.No.	Category of Ships	No. of ships	Reasons								Total
			Non-avail. of berth	Non-avail. of Tug/craft	Non-avail. of pilot	Night Navigation	Draft Restriction	Ships Account	others	Lack of Cargo	
Vizag											

1.	Container	46	0.10	-	-	-	-	0.04	0.06	-	0.20
2.	Break Bulk	200	1.58	-	Neg	-	-	0.05	0.06	-	1.69
3.	Dry Bulk(M)	109	0.36	-	-	-	0.01	0.07	0.05	-	0.49
	(C)	377	2.05	-	Neg	0.01	Neg	0.03	0.06	-	2.15
4.	Liquid Bulk	474	0.10	-	Neg	0.02	Neg	0.06	0.07	-	0.25

Total		1206	0.96	-	-	0.01	Neg	0.05	0.06	-	1.10

Kandla											

1.	Container	103	1.75	-	0.03	0.02	-	0.06	Neg	-	1.86
2.	Break Bulk	436	4.57	-	0.02	Neg	-	2.08	0.01	-	6.68
3.	Dry Bulk(M)	11	2.42	-	0.09	0.05	-	0.80	-	-	3.36
	(C)	162	5.49	-	0.03	0.01	0.03	1.51	0.07	-	7.14
4.	Liquid Bulk	686	3.84	-	0.01	0.03	-	0.86	0.01	-	4.77

Total		1398	4.09	-	0.02	0.02	Neg	1.26	0.02	-	5.41

J.L.Mehru											

1.	Container	388	1.11	-	-	-	Neg	0.02	Neg	-	1.13
2.	Break Bulk	89	0.80	-	-	-	Neg	0.26	Neg	-	1.06
3.	Dry Bulk	60	7.24	-	-	-	0.03	0.41	0.33	-	8.01
4.	Liquid Bulk	3	3.38	-	-	-	-	0.43	-	-	3.81

Total		540	1.75	-	-	-	Neg	0.04	0.11	-	1.90

2.6.4B Av. Pre-Berthing Detention in respect of POL-Crude & Products

(In Days)

Name of the Port	1994-95		1995-96	
	Total No. Of Vessels	Av. Pre-berthing w.r.t Total No. Of Vessels	Total No. Of Vessels	Av. Pre-berthing w.r.t Total No. Of Vessels
Calcutta				
Crude Products	2	1.233	-	-
	183	0.783	263	1.458
Haldia				
Crude Products	120	1.421	131	2.039
	263	2.994	297	3.563
Vizag				
Crude Products	162	0.324	159	0.556
	217	0.265	188	0.708
Mumbai				
Crude Products	211	2.250	185	2.115
	398	6.669	350	6.899
Madras				
Crude Products	149	2.268	115	1.675
	257	4.614	280	6.889

2.6.5 Average Turn Round Time - by Type and Port.

(In Days)

Port	Container		Break Bulk		Dry Bulk (Mech.)		Dry Bulk (conv.)		Liquid Bulk		All Types	
	93-94	94-95	93-94	94-95	93-94	94-95	93-94	94-95	93-94	94-95	93-94	94-95
Calcutta	6.0	6.4	13.7	13.6	-	-	16.9	17.6	5.0	5.1	9.3	9.2
Halidia	2.0	1.7	11.3	10.9	4.3	5.3	12.8	11.4	4.0	4.4	5.7	6.6
Paradip	-	-	1.9	6.8	3.8	5.6	6.6	6.7	2.3	2.1	5.8	5.6
Vishakhapatnam	1.8	2.6	8.4	8.7	4.7	4.4	9.4	8.9	2.5	2.2	6.0	5.6
Madras	6.4	7.8	8.8	8.1	6.5	3.8	10.2	9.6	3.7	5.1	6.9	7.2
Tuticorin	2.7	2.4	7.6	6.8	4.6	4.5	10.4	8.9	2.2	2.4	5.8	5.3
Cochin	3.5	3.2	6.7	5.6	11.4	12.6	17.3	20.4	3.3	3.1	4.2	3.8
New Mangalore	1.6	1.8	7.4	7.5	8.3	9.6	-	-	1.6	1.6	5.2	5.7
Normugao	0.5	0.6	11.8	21.9	7.6	8.4	7.0	10.3	3.9	4.5	6.0	6.6
J.L.Nehru	3.0	3.5	0.9	1.3	18.7	22.5	-	-	-	-	4.2	5.2
Mumbai	4.8	4.4	10.1	10.0	-	-	13.5	16.6	3.1	4.3	6.2	5.6
Kandla	4.2	4.8	10.1	12.3	21.8	19.7	13.7	17.3	4.3	6.7	7.3	9.6
All Ports	4.5	4.4	9.4	9.6	7.2	6.8	10.1	11.2	3.5	4.3	6.3	6.7

\$ Includes - Conventional also.

g Vehicles Carrier.

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

Port	Container		Break Bulk		Dry Bulk (Mech.)		Dry Bulk (conv.)		Liquid Bulk		All Types	
	93-94	94-95	93-94	94-95	93-94	94-95	93-94	94-95	93-94	94-95	93-94	94-95
Calcutta	27	26	49	52	-	-	46	49	49	49	46	47
Maldia	56	61	42	50	60	65	38	37	42	41	43	46
Paradip	-	-	17	20	52	20	26	27	...	...	28	24
Vishakhapatnam	21	18	27	24	34	24	22	19	35	32	26	23
Madras	57	58	51	48	59	48	40	34	34	31	46	42
Tuticorin	38	42	48	49	20	23	39	39	38	34	42	42
Cochin	55	52	66	51	53	50	38	37	33	29	51	49
New Mangalore	52	67	56	62	43 \$	50 \$	-	-	36	40	48	56
Mormugao	39	41	29	25	30	29	30	25	42	41	32	29
J.L.Nehru	36	8	8	8	55 \$	14	-	-	-	-	46	11
Mumbai	29	28	46	42	-	-	33	32	36	32	39	36
Kandla	14	14	16	18	15	14	15	16	34	32	20	20
All Ports	35	32	44	44	34	35	30	28	36	35	37	36

\$ Includes Conventional also.
 @ Vehicles Carrier.

2.6.7 Output Per Ship Berthday - By Type And Port.

(Tonnes)

Port	Container		Break Bulk		Dry Bulk (Mech.)		Dry Bulk (conv.)		Liquid Bulk		All Types	
	93-94	94-95	93-94	94-95	93-94	94-95	93-94	94-95	93-94	94-95	93-94	94-95
Calcutta	1982	2013	443	439	-	-	792	586	2834	3231	928	1042
Haldia	1647	1731	678	648	10910	8391	2385	2806	14450	15147	6335	5844
Paradip	-	-	857	865	18081	10857	4370	4762	8423	7342	5263	5564
Vishakhapatnam	1073	1432	1431	1321	15797	15547	3927	4307	14570	14844	5688	6089
Madras	1753	1882	625	695	23498	40082	3017	3513	17497	16587	4294	4835
Tuticorin	1315	2363	639	817	8528	8398	2664	2997	5003	5345	2238	2725
Cochin	773	942	418	1086	1905	1675	539	815	13525	14040	3870	4574
New Mangalore	611	456	598	689	11753 \$	10855 \$	-	-	5376	5946	5568	4564
Mormugao	1030	933	725	592	18742	17127	1468	1712	7327	7166	8346	9053
J.L.Nehru	2890	3300	1236 @	2318 @	2799 \$	2972 \$	-	-	-	-	2800	2913
Mumbai	2058	2142	535	686	-	-	885	863	13798	11595	2720	2632
Kandla	2408	2792	1188	1143	1428	1621	1327	1328	20125	18891	5502	5266
All Ports	1908	2122	846	744	11164	12047	2801	2742	13028	12112	3892	3968

\$ Includes Conventional also.

@ Vehicles Carrier.

2.6.8 Average Berth Occupancy At Major Ports
(Percentage)

Port	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
KANDLA	84.0	86.0	88.5	89.8	89.1	90.5	93.8
MUMBAI	81.0	81.6	77.0	62.6	71.2	72.4	78.4
J.L. NEHRU	...	...	...	...	65.8	71.7	80.5
MORMUGAO	62.0	69.0	66.0	67.0	83.8	80.7	70.6
NEW MANGALORE	83.7	169.0	55.9	57.3	64.9	49.6	52.9
COCHIN	47.8	52.3	49.7	45.3	53.2	49.7	50.8
TUTICORIN	63.5	73.3	72.6	76.1	84.5	85.1	84.9
MADRAS	84.7	86.2	86.6	79.0	78.8	80.4	81.0
VISAKHAPATNAM	56.9	63.3	77.9	81.9	91.0	87.5	92.7
PARADIP	64.2	70.2	68.5	60.6	68.6	69.9	78.6
HALDIA	67.6	67.4	69.1	63.2	73.5	63.7	77.1
CALCUTTA	58.2	59.9	56.9	53.8	52.3	48.5	53.9

2.6.9 Utilisation Of Cargo Handling Equipment

Port/Year	Mech. System		Utilisation of General Cargo handling Equipment (Average no. of hours : worked per month per equipment.)		Elect. Wharf Cranes: Mobile : Fork		Cranes : Lifts	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
KANDLA								
Norms (1983)		2300	Fertiliser	300	300	250	300	
Performance								
1987-88		2057	"	210	-	38	175	
1988-89		1802	"	222	-	77	210	
1989-90		1676	"	240	-	20	242	
1990-91		1538	"	226	-	8	220	
1991-92		1415	"	217	-	21	196	
1992-93		1785	"	159	-	5	156	
1993-94		1937	"	256	-	5	253	
1994-95		2021	"	273	-	3	176	
1995-96		1916	"	294	-	4	219	
MUMBAI								
Norms (1983)		-	-	300	300	250	300	
Performance								
1987-88		-	-	131	24	176	259	
1988-89		-	-	185	88	166	231	
1989-90		-	-	182	102	155	192	
1990-91		-	-	164	68	153	191	
1991-92		-	-	126	79	124	178	
1992-93		-	-	156	110	163	220	
1993-94		-	-	177	124	164	213	
1994-95		-	-	194	114	169	159	
1995-96		-	-	221	117	140	145	

2.6.9 Utilisation of Cargo Handling Equipment

Port/Year	Mech. System		Utilisation of General Cargo handling Equipment (Average no. of hours worked per month per equipment.)			
	Tonnes per worked day	Commo-dity	Elect. Wharf Cranes: 3-10 Tonnes	Mobile Cranes: Above 10 Tonnes	Fork : Cranes	Lifts : Fork
(1)	(2)	(3)	(4)	(5)	(6)	(7)
MORMUGAO						
Norms (1983)	32500	Iron Ore	300	300	250	300
Performance						
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
1993-94	47939	"	246	-	108	114
1994-95	37992	"	140	-	128	111
1995-96	45759	"	108	-	44	182
NEW MANGALORE						
Norms (1983)	29700	"	300	300	250	300
Performance						
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
1993-94	27195	"	19	-	21	30
1994-95	21479	"	48	-	14	48
1995-96	25371	"	13	-	14	36

2.6.9 Utilisation Of Cargo Handling Equipment

Port/Year	Mech. System		Utilisation of General Cargo handling Equipment (Average no. of hours worked per month per equipment.)		Tonnes : Commo- : per : dity		Elect. Wharf Cranes: Mobile : Fork		Tonnes : Cranes : Lifts	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
COCHIN										
Norms (1983)	-	-	-	200	200	167	200			
Performance	-	-	-	68	-	158	122			
1987-88	-	-	-	67	-	142	116			
1988-89	-	-	-	99	-	158	123			
1989-90	-	-	-	71	-	159	121			
1990-91	-	-	-	50	-	115	134			
1991-92	-	-	-	53	-	123	132			
1992-93	-	-	-	40	-	135	134			
1993-94	-	-	-	59	-	83	127			
1994-95	-	-	-	93	-	65	106			
1995-96	-	-	-	-	-	-	-			
TUTICORIN										
Norms (1983)	-	-	-	300	300	250	300			
Performance	-	-	-	57	-	25	36			
1987-88	-	-	-	134	-	82	106			
1988-89	-	-	-	164	-	70	115			
1989-90	-	-	-	148	-	113	100			
1990-91	-	-	-	159	-	105	79			
1991-92	-	-	-	180	-	77	84			
1992-93	-	-	-	176	-	86	84			
1993-94	-	-	-	156	-	65	81			
1994-95	-	-	-	133	-	25	80			
1995-96	-	-	-	-	-	-	-			

2.6.9 Utilisation of Cargo Handling Equipment

Port/Year	Mech. System		Utilisation of General Cargo handling Equipment (Average no. of hours worked per month per equipment.)			
	Tonnes per : worked : day	Commo- : dity	Elect. Wharf Cranes : 3-10 : Tonnes	Mobile : Above 10 : Tonnes	Cranes : :	Fork : Lifts
(1)	(2)	(3)	(4)	(5)	(6)	(7)
MADRAS						
Norms (1983)	\$ 37000	Iron Ore	300	300	250	300
Performance						
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
1993-94	25530	"	246	214	223	224
1994-95	45605	"	222	231	206	214
1995-96	44511	"	205	191	248	221
VISAKHAPATNAM						
Norms (1983)	50000	Iron Ore	300	300	250	300
Performance						
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
1993-94	39798	"	291	50	101	158
1994-95	40765	"	268	87	141	201
1995-96	31362	"	332	73	156	177

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

* Included in 3-10 Tonnes.

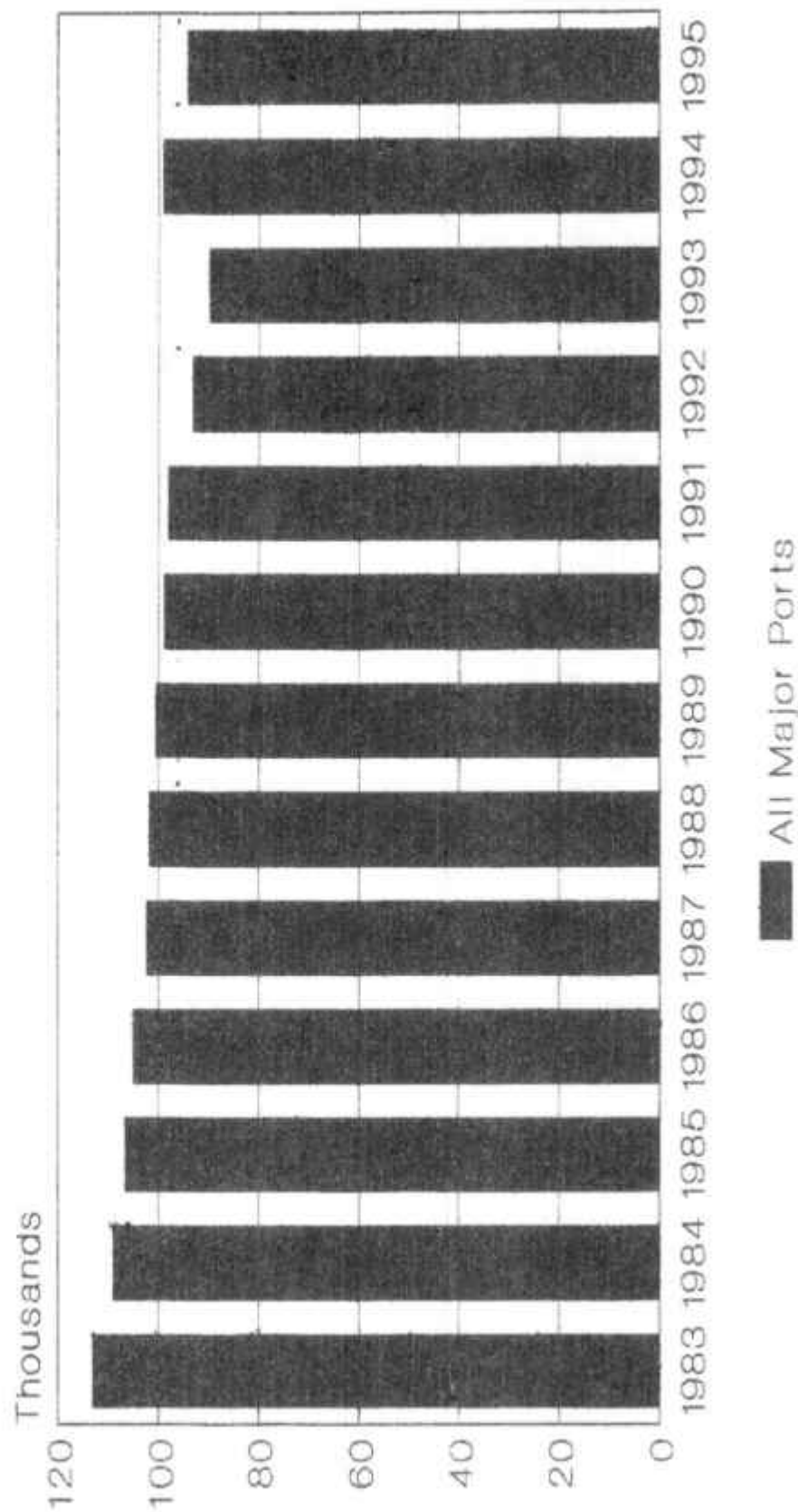
2.6.9 Utilisation Of Cargo Handling Equipment

Port/Year	Mech. System		Utilisation of General Cargo handling Equipment (Average no. of hours : worked per month per equipment.)			
	Tonnes : per day	Commo- dity	Elect. Wharf Cranes : 3-10 Tonnes	Mobile : Above 10 Tonnes	Fork : Cranes	Lifts
(1)	(2)	(3)	(4)	(5)	(6)	(7)
PARADIP						
Norms (1983) Performance	18700	Iron Ore	300	300	250	300
1987-88	17044	"	*	100	100	35
1988-89	21609	"	*	178	107	65
1989-90	14688	"	*	193	91	47
1990-91	20129	"	*	221	80	71
1992-92	16728	"	*	276	127	137
1992-93	21308	"	*	152	76	66
1993-94	21029	"	*	154	44	76
1994-95	23303	"	*	162	40	50
1995-96	20331	"	*	165	59	46
CALCUTTA						
Norms (1983) Performance	2000	Coal	300	300	250	300
1987-88	-	"	214@	125	248	261
1988-89	-	"	219@	231	219	240
1989-90	-	"	221@	258	207	245
1990-91	-	"	170@	260	234	307
1991-92	-	"	161@	245	219	259
1992-93	-	"	168@	259	194	257
1993-94	-	"	125@	255	174	197
1994-95	-	"	123@	266	167	218
1995-96	-	"	104@	267	132	175

* 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

(In Numbers)

PORT	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Kandla	4702	4499	4713	4503	4537	4633	4603	4976	4827	4677	4740	4451
Mumbai	31830	31026	30736	30939	30987	30319	29349	28199	27327	25063	34596	32893
J.L.Nehrū	-	-	-	-	-	-	1137	1187	1386	1507	1513	1549
Moreugao	3889	3855	3791	3681	3683	3646	3614	3562	3668	3257	3612	3607
New Mangalore	1304	1273	1285	1304	1314	1312	1328	1330	1337	2401	2311	2303
Cochin	6664	6010	6047	5950	5967	5868	5781	5533	5546	5546	5502	4872
Tuticorin	2361	2233	2286	2295	2286	2284	2270	2268	2250	2054	1998	2152
Madras	11892	11885	12128	11492	11469	11489	11346	11361	10318	10271	10357	10399
Visakhapatnam	11701	11075	11950	11068	11013	10986	10848	11314	10227	10082	9772	9626
Paradip	5530	5495	4803	5390	5590	5388	4841	4811	4634	4596	5241	4113
Calcutta/ Haldia	29008	29066	27180	25619	24873	24658	23643	23394	21292	19808	19296	18051
ALL MAJOR PORTS	108681	106437	104919	102244	101719	100583	98760	97955	93112	89662	99036	94016

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

2.7.2 Number of Dock Workers Registered with D.L.B.'s of Major Ports As On 31st December

(In Numbers)

PORT	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
KANDLA	822	835	836	833	863	871	869	875	913	897	984	953	960
MUMBAI	10972	10719	11869	10525	10354	10121	9903	7848	8137	6849	7051	*	*
MORMUGAO	1127	1120	1114	1109	1101	968	961	955	935	902	821	807	745
COCHIN	1164	1131	1077	995	919	823	757	665	581	683	564	548	529
MADRAS	1695	1876	1800	1689	1558	1483	1394	1341	1306	1108	1890	1143	1092
VIZAG	841	869	851	841	816	685	665	641	611	706	739	732	610
CALCUTTA	8096	7754	7410	7229	6685	6249	5941	5689	5272	4169	3907	3019	3304
TOTAL	24717	24304	24963	23221	22496	21200	20490	18014	17755	15314	15976	7202	7240

* Mumbai Dock Labour Board merged with Mumbai Port.

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

(In Numbers)

PORT	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
KANOLA	1329	1617	1599	54	-	-	-	-	-	-	-	-	-
MUMBAI	-	-	-	-	-	-	-	-	-	-	-	-	*
MAORAS	805	505	497	479	521	1487	1479	1445	1376	289	275	260	237
VISAKHAPATHAN	1710	1586	1573	1558	1539	1538	1516	1502	1487	1483	1006	1319	759
TOTAL	3644	3706	3669	2091	2060	3035	2995	2947	2863	1772	1281	1579	996

* Mumbai Dock Labour Board merged with Mumbai Port.

2.7.4 Employment At Ports - By Port & Classes As On 31st December, 1995

(In Numbers)

Port	Number of				Number of non-cargo				Number of cargo				Number											
	Officers				handling workers				handling workers				of cargo of											
					other than shore				handling:casual				workers											
													workers				workers				Total			
													workers											
													Class				Class				Class			
													I				II				III			
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2.7.5 Employment At DLB'S Of Major Ports As On 31st December, 1995

(In Numbers)

Port / DLB	DLB Employment				Dock Workers				Grand
	Class I	Class II	Class III	Class IV	Total	Register	Listed	Others	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Kandla	2	3	84	14	83	960	-	-	960
Mormugao	5	3	77	27	112	745	-	-	745
Cochin	8	16	98	39	161	529	-	-	529
Madras	28	15	365	98	506	1092	237	709	2038
Visakhapatnam	23	7	293	116	431	610	759	415	1784
Calcutta	24	19	519	318	880	3304	-	-	3304
All DLB's	90	83	1406	614	2173	7240	996	1124	9360
									11533

2.7.6 Mandays Lost Per Thousand Mandays Employed During 1991-1995

PORT	1991		1992		1993		1994		1995	
	Man- days lost per 1000 emplo- yed (in '000)	Mandays lost per 1000 emplo- yed	Man- days lost per 1000 emplo- yed (in '000)	Mandays lost per 1000 emplo- yed	Man- days lost per 1000 emplo- yed (in '000)	Mandays lost per 1000 emplo- yed	Man- days lost per 1000 emplo- yed (in '000)	Mandays lost per 1000 emplo- yed	Man- days lost per 1000 emplo- yed (in '000)	Mandays lost per 1000 emplo- yed
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Kandla	1767	0.3	1747	-	1698	0.3	1708	0.8	1623	0.2
Mumbai	10901	0.4	10253	0.2	9634	1.7	10409	0.6	9868	0.6
Mormugao	1355	0.3	1371	-	1223	1.1	1326	-	1306	0.8
N.Mangalore	399	0.2	401	0.1	720	-	693	-	691	-
Cochin	1834	1.8	1869	2.7	1839	0.2	1815	0.3	1620	0.1
Tuticorin	680	4.6	675	-	616	4.5	599	11.3	646	2.4
Madras	4213	3.3	3515	1.6	3648	1.4	3450	1.4	3731	0.6
Visakhapatnam	4024	0.4	3725	0.7	3246	-	3151	-	3423	1.6
Paradip	1443	0.9	1450	-	1499	4.9	1572	-	1234	-
Calcutta/Haldia	8600	1.5	7638	0.2	7115	1.0	6695	0.5	6407	0.1
J.N.P.T.	N.A.	N.A.	N.A.	N.A.	452	3.4	454	-	465	-
TOTAL	35216	1.2	32644	0.5	31690	1.3	31872	0.7	31014	0.6

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

2.8.1 Revenue And Expenditure At Major Ports

(Rs. in Lakhs)

Port / Year	Total		Port & Dock		Cargo handling		Railways		Land and		Finance		Manage-	
	Revenue	Expenditure	including	Pilotage	and ware-	housing	Revenue	Exp.	Building	Revenue	Exp.	and	ment &	General
												Misc.	Adm.	
	Revenue	Exp.	Revenue	Exp.	Revenue	Exp.	Revenue	Exp.	Revenue	Exp.	Revenue	Exp.	Revenue	Exp.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
KANDLA														
1984-85	4278	2302	1473	1013	1936	462	-	12	178	181	691	251	383	
1985-86	4525	2248	1453	829	2147	538	-	11	180	150	745	293	397	
1986-87	4480	2361	1345	926	2113	571	-	6	160	149	862	276	433	
1987-88	5072	2879	1458	1143	2377	556	-	8	155	204	1082	475	493	
1988-89	6298	3252	1631	1542	3093	585	-	9	208	210	1386	339	567	
1989-90	7431	3924	1922	1861	3683	729	-	8	241	242	1585	457	627	
1990-91	8248	3931	2342	1817	3851	779	-	4	246	268	1809	332	731	
1991-92	9553	4490	2535	2126	4411	835	-	4	259	293	2346	452	780	
1992-93	11948	4812	3091	2244	5329	911	-	4	271	322	3257	460	871	
1993-94	13996	6041	4071	2746	5365	1075	-	7	739	402	3821	873	938	
1994-95	15797	6219	4820	2683	6352	1191	-	68	575	416	4050	778	1081	
MUMBAI														
1984-85	18938	13470	2405	1949	10059	4901	125	876	2583	588	3766	3743	1611	
1985-86	20695	13436	2694	2217	10895	5322	151	735	2611	614	4344	2793	1755	
1986-87	21955	14118	2713	2593	10893	5726	763	763	2624	686	5725	2438	1908	
1987-88	23723	16761	3103	3251	12046	6421	189	844	2680	803	5705	3187	2255	
1988-89	29228	18909	3720	3603	15047	6991	192	891	3322	951	6947	3991	2482	
1989-90	28560	21150	3721	3323	17444	7600	226	1027	948	1298	6241	5016	2884	
1990-91	26623	20490	3554	3736	18608	7739	230	1111	1087	1318	3144	3399	3187	
1991-92	31718	26394	4260	4214	19349	8596	255	1184	1680	1705	6154	7010	3885	
1992-93	43723	30526	8394	5497	26124	9216	327	1219	1607	1935	7271	8610	4049	
1993-94	48482	30657	10115	5469	29610	10425	339	1361	1604	2067	6814	8663	4872	
1994-95	55851	41513	10574	7434	34968	12723	448	1652	1524	2565	8337	11452	5687	

2.8.1 Revenue And Expenditure At Major Ports

(Rs. in Lakhs)

Port / Year	Total : Revenue	Total : Expendi- ture	Port & Dock Including Pilots	Cargo handling and ware- housing	Land and Building	Finance and Misc.	Manage- ment & General Admin.						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
JAMNABALI NERU													
1989-90	2917	2987	317	536	2084	806	-	10	150	40	366	91	1704
1990-91	5782	5226	682	802	4371	2780	-	14	257	167	472	625	838
1991-92	8494	6542	1019	833	5916	3206	-	14	376	244	1183	1099	1146
1992-93	10350	8743	1508	701	6861	4115	-	94	398	334	1783	2514	985
1993-94	12428	11298	2201	1265	7626	4711	-	97	442	440	2159	3489	1296
1994-95	17907	11688	3008	755	11591	5799	-	102	727	668	2581	2970	1394
MORHUGAO													
1984-85	3826	3034	891	794	2603	906	31	68	84	45	217	793	428
1985-86	4168	3282	954	719	2712	1044	36	60	78	59	388	900	500
1986-87	4257	3672	900	978	2845	1311	30	74	70	78	412	725	506
1987-88	4058	3421	781	763	2713	1093	39	87	72	75	453	841	562
1988-89	5160	3836	934	793	3448	1246	46	95	99	83	633	918	701
1989-90	5339	3889	950	810	3560	1294	55	94	110	111	680	849	730
1990-91	5785	4472	1004	897	3712	1513	46	104	104	118	919	1043	807
1991-92	5993	4966	985	1070	3703	1556	42	104	107	139	1156	1125	972
1992-93	7913	5773	1323	1312	4898	1911	73	122	109	140	1510	1134	1154
1993-94	9896	6876	2083	1262	5637	2611	80	123	216	166	1680	1451	1263
1994-95	9741	6890	2199	1607	5445	2277	61	132	278	104	1758	1195	1575

2.8.1 Revenue And Expenditure At Major Ports

Port / Year	(Rs. in Lakhs)													
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Total : Revenue : Expendi- ture : Pilotage :														

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 warehousing	Railways	Land and Building	Finance and Misc.	Management & General					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
	Revenue	Exp.	Revenue	Exp.	Revenue	Exp.	Revenue	Exp.	Revenue	Exp.	Revenue	Exp.	Exp.
TUTICORIN													
1984-85	1243	1029	210	198	854	185	63	24	35	56	81	283	283
1985-86	1511	1189	256	238	1037	222	48	23	37	67	133	360	279
1986-87	1440	1284	220	261	999	229	41	33	38	70	142	390	301
1987-88	1435	1444	227	306	960	252	38	37	45	79	165	427	343
1988-89	1841	1511	337	326	1326	280	44	53	53	88	181	411	353
1989-90	2274	2073	438	390	1507	335	65	49	80	96	184	799	404
1990-91	2908	1880	488	439	1561	368	73	51	145	106	661	442	474
1991-92	3046	2086	550	508	1938	447	72	68	147	123	341	407	535
1992-93	3889	2250	861	545	2287	500	74	65	222	134	545	415	591
1993-94	3908	2899	924	635	2201	689	-	51	231	135	552	689	700
1994-95	4502	3726	1088	661	2721	1147	23	68	210	195	460	813	842
MAADRAS													
1984-85	8549	5580	1287	826	6341	2274	477	354	38	80	406	945	1101
1985-86	9869	6195	1519	854	6982	2421	566	380	51	61	751	1124	1355
1986-87	10433	6696	1589	1043	7380	2425	704	453	32	66	728	1362	1547
1987-88	11256	7622	1863	1016	7358	2749	896	458	45	60	1094	1621	1718
1988-89	13525	8269	2072	1424	8935	2704	1108	478	54	76	1356	1648	1939
1989-90	14832	8882	1977	1337	9794	3065	1184	527	146	92	1731	1561	2300
1990-91	16984	9713	2184	1426	10714	3194	1295	614	166	93	2605	1778	2608
1991-92	19947	11218	3055	1584	11172	3722	1630	719	208	98	3882	2157	2928
1992-93	25664	13700	4003	1536	13135	4062	1576	924	201	121	6749	3694	3363
1993-94	30029	15548	5087	1650	14721	4588	1601	815	219	143	8401	4860	3492
1994-95	31007	16773	5429	2723	15416	5230	1741	849	276	169	8145	3671	4131

2.8.1 Revenue And Expenditure At Major Ports

(Rs. in Lakhs)

Port / Year	Revenue : Exp. : Revenue : Exp. : Revenue : Exp. : Revenue : Exp. : Revenue : Exp. : Revenue : Exp. : Revenue : Exp. : Revenue : Exp.													
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
	Total : Revenue:Expendi- ture :			Port & Dock including Pilotage		Cargo handling and ware- housing		Railways		Land and Building		Finance and Misc.		Manage- ment & General Admn.
VISAKHAPATNAM														
1984-85	5252	5470	1179	1040	4041	1610	378	484	367	165	297	1413	758	
1985-86	7173	6309	1516	1162	4634	1708	427	738	332	202	264	1705	794	
1986-87	8272	7449	1469	1286	5308	2231	711	714	316	220	468	2011	987	
1987-88	9280	8494	1514	1634	5277	2398	848	750	457	268	1184	2271	1173	
1988-89	13546	9757	2169	1526	6974	2702	1234	955	352	269	2817	2475	1828	
1989-90	13021	9054	2556	1809	8036	2280	1303	1139	350	333	776	2074	1419	
1990-91	13955	10547	2531	1990	7300	2843	1427	1193	569	420	2128	2487	1614	
1991-92	15713	11861	2682	2487	8442	3230	2025	1754	344	515	2220	2061	1814	
1992-93	18956	13951	4030	2739	9621	3343	2387	1893	348	507	2570	3339	2130	
1993-94	20226	14424	4676	2676	10434	3906	2451	1678	535	577	2130	3378	2207	
1994-95	21940	17719	5870	3458	11548	4523	2806	1803	683	681	1033	4684	2570	
PARADIP														
1984-85	1601	2629	109	929	1184	515	83	70	73	146	508	863	601	
1985-86	3004	3416	441	1014	1999	754	112	83	88	190	364	806	569	
1986-87	4309	4568	793	782	2686	1088	324	240	95	233	401	1633	592	
1987-88	4847	5015	842	927	2785	1061	397	258	124	228	699	1862	679	
1988-89	5522	4992	905	666	3343	1312	420	312	160	301	694	1626	775	
1989-90	6709	5906	1143	719	4068	1313	514	433	313	363	671	2224	854	
1990-91	8782	7109	1632	852	5098	1446	732	386	163	420	1157	3003	1002	
1991-92	9693	8347	1595	1084	5072	1823	764	486	526	504	1936	3346	1104	
1992-93	10303	8910	1857	1412	5632	2075	994	832	355	770	1465	2460	1361	
1993-94	13273	11804	2317	1240	8724	2273	1250	685	939	512	2043	5400	1694	
1994-95	13837	10258	2752	1745	8039	2445	1536	437	362	792	1146	3126	1713	

2.6.1 Revenue And Expenditure At Major Ports

(Rs. in Lakhs)

Port / Year	Total : Revenue	Total : Expenditure	Port & Dock including Pilotsage	Cargo handling and ware- housing	Railways	Land and Building	Finance and Misc.	Manage- ment & General	Adm. Exp.				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
HALDIA													
1984-85	4871	4206	2180	1716	2007	553	196	206	136	174	352	1029	526
1985-86	5547	4452	2318	1906	2445	608	266	248	146	132	370	835	723
1986-87	6518	5034	2541	2159	2725	661	376	281	156	275	720	913	745
1987-88	6934	5988	2821	2627	2824	705	510	731	159	283	620	849	793
1988-89	9993	6151	3157	2302	5101	980	594	665	232	292	909	1023	869
1989-90	11064	6474	3541	2694	5334	1163	669	685	262	357	1258	618	957
1990-91	12370	7636	4237	2957	5735	1399	790	626	347	398	1281	1091	1177
1991-92	14642	10549	5543	4869	6122	1423	972	620	440	518	1765	1762	1357
1992-93	17731	13807	7139	6577	6966	1755	1214	769	989	598	1421	2449	1639
1993-94	22744	16792	9798	7423	8976	1806	1229	812	940	715	1801	4232	1804
1994-95	26821	20647	11671	8367	10537	1977	1404	784	1042	880	2167	6611	2028
CALCUTTA													
1984-85	10590	9565	2167	2497	6668	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	356	881	712	153	1051	1731	2602
1987-88	9824	12076	3331	2953	4546	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	8691	2631	417	819	1246	224	1398	3115	3867
1991-92	15372	15187	2426	3484	8176	2632	476	850	1507	261	2767	3773	3987
1992-93	15815	15271	3451	4016	8808	2969	585	914	1567	247	1404	2912	4213
1993-94	18575	16839	3928	3767	11088	2869	638	760	1809	257	1312	4169	4997
1994-95	20040	20448	4546	5415	11527	2778	1064	874	1719	267	1164	6309	4804

(Rs. in Lakhs)

- 171 -

2.8.2 Net And Operating Surplus At Major Ports

(Rs. in Lakhs)

Item/Year	Kandla	Mumbai	J.L. Hehru	Morwa	N.Manga- Jore	Cochin	Tuti- corin	Madras	Visakh patnam	Paradip	Haladia	Calcutta	All Ports
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Operating Income													
1984-85	3587	15172	-	3609	1067	2529	1162	8143	5965	1471	4519	9888	57112
1985-86	3780	16351	-	3780	1314	3073	1378	9118	6909	2640	5177	8490	62010
1986-87	3618	16422	-	3645	1790	3541	1298	9705	7804	3908	5798	9230	66959
1987-88	3990	18018	-	3605	1964	3477	1270	10162	8096	4148	6314	9106	70150
1988-89	4932	22281	-	4527	2255	4523	1760	12169	10729	4828	9084	11564	88552
1989-90	5846	22339	2551	4659	2360	5505	2090	13101	12245	6038	9806	12551	99031
1990-91	6439	23479	5310	4866	3036	5538	2247	14359	11826	7626	11109	13324	109159
1991-92	7205	25564	7311	4837	3209	5828	2706	16065	13493	7957	13077	12565	119837
1992-93	8691	36452	8567	6403	3468	6635	3444	18915	16386	8638	16310	14411	148540
1993-94	10175	41668	10269	8216	4060	6963	3356	21629	18096	11230	20943	17263	173868
1994-95	11747	47514	15326	7963	4135	8205	4042	22862	20907	12691	24654	18856	198922
Operating Expenditure													
1984-85	2051	9727	-	2241	844	2363	746	4635	4057	2163	3177	7750	39754
1985-86	1955	10643	-	2382	1041	2733	629	5071	4604	2610	3617	8756	44241
1986-87	2085	11680	-	2947	1120	3048	894	5534	5438	2935	4121	8893	46895
1987-88	2404	13574	-	2580	1319	2812	1017	6001	6223	3153	5139	9151	53373
1988-89	2913	14918	-	2918	1142	3418	1100	6621	7282	3366	5128	10114	58920
1989-90	3467	16132	2896	3040	1711	3762	1274	7321	6980	3682	5856	10675	66796
1990-91	3599	17091	4601	3429	1611	4066	1438	7935	8059	4106	8557	11388	73862
1991-92	4036	19384	5448	3641	2264	4213	1660	9061	9800	5001	8787	11414	84931
1992-93	4352	21916	6229	4639	2438	5201	1835	10006	10612	6450	11358	12359	97395
1993-94	5168	23694	7809	5125	3029	5984	2210	10687	11046	6404	12560	12670	106986
1994-95	5441	30061	8718	5695	2612	6225	2913	13102	13035	7132	13836	14139	122909

2.8.2 Net And Operating Surplus At Major Ports

(Rs. in Lakhs)

Item/Year	Kandla	Mumbai	J.L.	Mormu	N.Manga-	Cochin	Tuti-	Madras	Visakha	Paradip	Haldia	Calcutta	All
			lehru	gao	lore		corin		patnam				Ports
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Operating Surplus													
1984-85	1536	5445	-	1368	223	166	416	3508	1908	(-)692	1342	2138	17358
1985-86	1825	5708	-	1396	273	340	549	4047	2305	30	1560	(-)286	17769
1986-87	1533	4742	-	899	670	493	404	4171	2366	973	1677	337	18264
1987-88	1586	4444	-	1025	645	565	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	1676	32295
1990-91	2840	6368	709	1437	1425	1470	809	6424	3767	3520	4552	1936	35277
1991-92	3167	6180	1863	986	945	1615	1026	7004	3693	2956	4290	1171	34906
1992-93	4339	14536	2336	1764	1050	1434	1609	8909	5774	2388	4952	2052	51145
1993-94	5007	17674	2460	2791	1031	979	1146	10942	7050	4826	8383	4593	66882
1994-95	6306	17453	6608	2288	1523	1980	1129	9760	7872	5559	10818	4717	76013
Net Surplus													
1984-85	1976	5466	-	792	178	(-)80	214	2969	792	(-)1025	665	1025	12974
1985-86	2277	7259	-	886	95	(-)665	322	3674	864	(-)412	1095	(-)1286	14109
1986-87	2119	8029	-	586	324	(-)349	156	3537	823	(-)259	1404	(-)343	16100
1987-88	2193	6962	-	637	286	(-)282	(-)9	3634	786	(-)168	946	(-)2252	12735
1988-89	3046	10319	-	1324	951	(-)67	430	5256	3789	530	3842	128	29548
1989-90	3507	7430	(-)70	1450	386	497	201	5950	3967	803	4590	255	28966
1990-91	4317	6133	556	1313	1106	1040	1028	7251	3408	1673	4732	219	32776
1991-92	5063	5324	1952	1027	952	831	960	8729	3852	1546	4293	185	34714
1992-93	7136	13197	1607	2140	1345	1034	1739	11964	5005	1393	3924	544	51028
1993-94	7955	17825	1130	3020	1355	270	1009	14481	5802	1469	5952	1736	82004
1994-95	9578	14338	6219	2851	1626	837	775	14234	4221	3579	6174	(-)408	64025

2.8.3 Operating Ratio At Major Ports

(In Percentage)

Item/Year	Kandla	Mumbai	J. L.	Mormu	N. Manga	Cochin	Tutic	Madras	Vizakha	Paradip	Halidja	Calcutta	All	
			Mehr	gao	lore		corin		patnam				Ports	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1984-85	57.18	64.11	-	62.09	79.10	93.44	64.20	56.92	68.01	147.04	70.30	78.38	69.61	
1985-86	51.72	65.09	-	63.02	79.22	88.94	60.16	55.62	66.64	98.66	69.87	103.13	71.34	
1986-87	57.63	71.12	-	76.64	62.57	86.08	68.88	57.02	69.68	75.10	71.08	96.35	72.72	
1987-88	60.25	75.34	-	71.57	67.16	80.87	80.08	59.05	76.87	76.01	81.39	100.49	76.08	
1988-89	59.06	66.95	-	64.46	50.64	75.57	62.50	54.41	67.87	69.72	56.45	87.46	66.46	
1989-90	59.31	72.21	113.52	65.25	72.50	68.34	60.96	55.88	57.00	60.98	59.72	85.05	67.41	
1990-91	55.89	72.79	86.65	70.47	53.06	73.46	64.00	55.26	68.15	53.84	59.02	85.47	67.68	
1991-92	56.04	75.83	74.52	79.41	70.55	72.29	62.08	56.40	72.63	62.85	67.19	90.70	70.87	
1992-93	50.07	60.12	72.71	72.45	69.90	78.39	53.28	52.90	64.76	72.98	69.64	85.76	65.57	
1993-94	50.79	57.58	76.04	66.03	74.61	85.94	65.85	49.41	61.04	57.03	59.97	73.39	61.53	
1994-95	46.32	63.27	56.88	71.34	63.17	75.87	72.07	57.31	62.35	56.20	56.12	74.98	61.79	

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

(In Rs.)

Port	Revenue Income				Cost				Surplus/Deficit			
	1992-93	1993-94	1994-95	(1)	1992-93	1993-94	1994-95	(2)	1992-93	1993-94	1994-95	(3)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Kandla	37.94	41.53	44.32	19.00	21.09	20.53	18.94	20.44	23.79			
Mumbai	119.23	129.19	142.10	78.91	93.64	115.48	40.32	35.55	26.62			
J.L. Nehru	284.12	303.10	306.03	206.34	230.52	174.08	77.78	72.58	131.95			
Mormugao	48.50	52.87	51.59	35.39	36.75	36.50	13.11	16.12	15.09			
New Mangalore	59.22	55.97	51.66	40.25	40.26	32.62	18.97	15.71	19.04			
Cochin	83.17	91.38	95.55	65.19	78.54	72.49	17.98	12.84	23.06			
Tuticorin	64.18	58.33	56.00	36.20	41.38	40.05	27.98	16.95	15.95			
Madras	101.44	113.32	105.11	54.15	58.26	56.86	47.29	55.06	48.25			
Visakhapatnam	71.98	70.70	73.06	61.28	56.35	59.01	10.70	14.35	14.05			
Paradip	135.00	159.34	159.34	117.00	141.70	141.70	18.00	17.64	17.64			
Calcutta*	182.94	223.39	206.91	158.57	181.82	136.40	24.37	41.57	70.51			

* Includes Haldia.

SECTION-III

MINOR/INTERMEDIATE PORTS

- 3.1 CARGO TRAFFIC**
- 3.2 PASSENGER TRAFFIC**
- 3.3 SHIP TRAFFIC**
- 3.4 EMPLOYMENT**
- 3.5 PORT FACILITIES**

3.1.0 List Of Minor Ports

GUJARAT

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

ORISSA

- 1 Gopalpur
- 2 Behrabalpur (Balasore) *

KARNATAKA

1. Mangalore
2. Hulpe
3. Hongerkatta
4. Kundapur
5. Bhatkal
6. Karwar
7. Honavar
8. Tadri
9. Belkeri

ANDHRA PRADESH

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

* Non - working

LAKSHADWEEP

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

GOA

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

TAMILNADU

1. Cuddalore
2. Nagapattinam
3. Rameswaram
4. Pambn
5. Colachel
6. Valinokkam
7. Kanyakumari
8. Ennore
9. Panakkal
10. Thirukkadavur

3.1.0 List Of Minor Ports

MAHARASHTRA

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

ANDAMAN & NICOBAR

1	Port Blair
2	Camorta
3	Car Nicobar
4	Eliphrinstone
5	Mayabunder
6	Diglipur
7	Rangat
8	Hut Bay
9	Katchai
10	Campbell Bay
11	Neil Haveiloc
12	Dugong
13	Creek
14	Chowra
15	Teresa
16	Kondul
17	Pillow Millio
18	East Island
19	Cinque Island
20	Jollyuoy Is
21	Tillangchong
22	Castle Bay

DAMAN & DIU

Daman
Diu

KERALA

Alppuzah *
Vadakara *
Cannanore
Kasar goda
Kodungallore *
Ponnani
Tellicherry *
Trivandrum *
Quilon *
Kozhikode
Neendakara
Azhikkal
Kovalam Vizh

PONDICHERY

Pondicherry

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

Year	Overseas				Coastal		Overseas & Coastal					
	:Unloaded:Loaded		: Total		:Unloaded:Loaded		: Total		:Unloaded:Loaded		: Total	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)		
1980-81		1921	3385	5306	577	849	1426	2498	4234	6732		
1981-82		2286	3109	5395	674	938	1612	2960	4047	7007		
1982-83		1887	2930	4817	704	1112	1816	2591	4042	6633		
1983-84		3186	2932	6118	893	1439	2332	4079	4371	8450		
1984-85		4085	3073	7158	1021	1442	2463	5106	4515	9621		
1985-86		3873	2887	6760	1034	1261	2295	4907	4148	9055		
1986-87		3055	3107	6162	1052	1154	2206	4107	4261	8368		
1987-88		1951	1941	3892	928	1070	1998	2879	3011	5890		
1988-89		4263	2890	7153	966	955	1921	5229	3845	9074		
1989-90		4244	4513	8757	1144	955	2099	5388	5468	10856		
1990-91		5713	3854	9567	1964	1251	3215	7677	5105	12782		
1991-92		4765	4104	8869	3016	1373	4389	7781	5477	13258		
1992-93		6235	4737	10972	3094	1339	4433	9329	6076	15405		
1993-94		7566	6644	14210	3839	1421	5260	11405	8065	19470		
1994-95		8602	6326	14928	5367	1889	7256	13969	8215	22184		

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

(In '000 Tonnes)

Year	Gujarat	Mahara- shtra	Goa	Daman & Diu	Karna- take	Kerala	Tamil- Nadu	Pondi- cherry	Andhra- Pradesh	Orissa	Sea- Islands	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
OVERSEAS												
1975-76	2136	807	-	-	462	253	294	392	538	-	-	4882
1980-81	2193	1171	-	-	824	29	193	49	844	-	-	5303
1985-86	3032	1268	2	-	753	68	445	118	1074	-	-	6760
1986-87	3034	1238	4	-	667	50	255	50	861	3	-	6162
1987-88	2427	361	Neg.	-	250	41	84	0	699	30	...	3892
1988-89	3878	620	...	-	504	272	306	413	1138	22	...	7153
1989-90	5031	1071	...	-	489	120	375	229	1374	68	...	8757
1990-91	6981	599	1	-	418	86	227	70	1124	61	-	9567
1991-92	6797	213	-	-	205	86	185	53	1180	150	-	8869
1992-93	8488	-	-	-	320	90	260	47	1560	207	-	10972
1993-94	11901	-	-	-	163	60	80	22	1772	212	-	14210
1994-95	12828	27	-	-	281	60	124	26	1382	200	-	14928
COASTAL												
1975-76	966	180	13	12	303	71	9	-	-	-	68	1622
1980-81	587	202	8	7	244	162	-	-	5	-	214	1429
1985-86	1533	332	Neg.	4	106	43	35	-	-	-	242	2295
1986-87	1455	294	1	3	153	40	0	-	-	-	260	2206
1987-88	1467	320	Neg.	3	167	41	0	-	-	-	28	2026
1988-89	1469	242	...	1	151	32	0	-	-	-	27	1922
1989-90	1596	268	...	1	164	37	1	-	-	-	32	2099
1990-91	2332	329	-	Neg.	193	44	Neg.	-	-	-	317	3215
1991-92	3499	319	12	Neg.	178	44	-	-	-	-	337	4389
1992-93	3396	303	212	Neg.	150	35	-	-	-	-	337	4433
1993-94	3844	646	212	-	147	39	-	-	35	-	337	5260
1994-95	4115	2419	212	-	174	39	-	-	5	-	292	7256

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

(In '000 Tonnes)

Year	Gujarat	Mahara- shtra	Goa	Daman & Diu	Karna- taka	Kerala	Tamil- Nadu	Pondi- cherry	Andhra- Pradesh	Orissa	Sea- Islands	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
TOTAL												
1975-76	3102	987	13	12	765	324	303	392	538	-	68	6504
1980-81	2780	1373	8	7	1068	191	193	49	849	-	214	6732
1985-86	4565	1600	2	4	859	111	480	118	1074	-	242	9055
1986-87	4489	1532	5	3	820	90	255	50	861	3	260	8368
1987-88	3894	681	-	3	417	82	84	-	699	30	28	5918
1988-89	5347	862	-	1	655	304	306	413	1138	22	27	9075
1989-90	6627	1339	-	1	653	157	376	229	1374	68	32	10856
1990-91	9313	928	1	-	611	130	227	70	1124	61	317	12782
1991-92	10296	532	12	-	383	130	185	53	1180	150	337	13258
1992-93	11884	303	212	-	470	125	260	47	1560	207	337	15405
1993-94	15745	646	212	-	310	99	80	22	1807	212	337	19470
1994-95	16943	2446	212	-	455	99	124	26	1387	200	292	22184

@ Figures pertain to only Lakshadweep.

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

(in '000 Tonnes)

Year	Gujarat	Mahara- shtra	Goa	Daman & Diu	Karna- taka	Kerala	Tamil- Nadu	Pondi- cherry	Andhra- Pradesh	Orissa	Sea- Islands	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
UNLOADED												
1975-76	1219	94	10	3	157	213	195	392	90	-	40	2413
1980-81	1492	130	7	3	251	20	101	49	331	-	114	2498
1985-86	2864	306	Neg.	4	436	12	385	118	666	-	116	4907
1986-87	2648	279	-	3	353	15	187	50	438	-	134	4107
1987-88	2159	339	Neg.	3	72	9	36	-	262	-	27	2907
1988-89	3102	239	...	1	356	175	258	413	659	-	27	5230
1989-90	3495	254	...	1	344	40	326	229	642	26	31	5388
1990-91	5993	328	-	Neg.	271	9	217	70	504	50	235	7677
1991-92	6245	305	6	Neg.	223	9	182	53	402	118	238	7781
1992-93	7334	298	88	Neg.	284	6	248	47	632	154	238	9329
1993-94	9532	622	88	Neg.	164	1	62	22	545	131	238	11405
1994-95	10319	2301	88	-	287	1	93	26	456	161	232	13964
LOADED												
1975-76	1883	893	3	9	608	111	108	-	448	-	28	4091
1980-81	1288	1243	1	4	817	171	92	-	518	-	100	4234
1985-86	1701	1294	2	Neg.	423	99	95	-	408	-	126	4148
1986-87	1841	1253	5	-	467	75	68	Neg.	423	3	126	4261
1987-88	1735	342	-	-	345	73	48	-	437	30	1	3011
1988-89	2245	623	...	-	299	129	48	-	479	22	Neg.	3845
1989-90	3132	1085	...	-	309	117	50	-	732	42	1	5468
1990-91	3320	600	1	-	340	121	10	-	620	11	82	5105
1991-92	4051	227	6	-	160	121	3	-	778	32	99	5477
1992-93	4550	5	124	-	186	119	12	-	928	53	99	6076
1993-94	6213	24	124	-	146	98	18	-	1262	81	99	8065
1994-95	6624	145	124	-	168	98	31	-	931	39	60	8220

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

(in '000 Tonnes)

Year	Gujarat	Mahara- shtra	Goa	Daman & Diu	Karna- taka	Kerala	Tamil- Nadu	Pondi- cherry	Andhra- Pradesh	Orissa	Sea- Islands	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
TOTAL												
1975-76	3102	987	13	12	765	324	303	392	538	-	68	6504
1980-81	2780	1373	8	7	1068	191	193	49	849	-	214	6732
1985-86	4565	1600	2	4	859	111	480	118	1074	-	242	9055
1986-87	4489	1532	5	3	820	90	255	50	861	3	260	8368
1987-88	3894	681	-	3	417	82	84	-	699	30	28	5918
1988-89	5347	862	-	1	655	304	306	413	1138	22	27	9075
1989-90	6627	1339	-	1	653	157	376	229	1374	68	32	10856
1990-91	9313	928	1	-	611	130	227	70	1124	61	317	12782
1991-92	10296	532	12	-	383	130	185	53	1180	150	337	13258
1992-93	11884	303	212	-	470	125	260	47	1560	207	337	15405
1993-94	15745	646	212	-	310	99	80	22	1807	212	337	19470
1994-95	16943	2446	212	-	455	99	124	26	1387	200	292	22184

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

(In'000 Tonnes)

States : U.T.	Overseas	Coastal	Overseas & Coastal
: : U.T.	: :		

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

(In '000 Tonnes)

States U.T.	Overseas		Coastal		Overseas & Coastal				
	Unloaded:Loaded	Total	Unloaded:Loaded	Total	Unloaded:Loaded	Total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
GOA									
1975-76	-	-	-	10	3	13	10	3	13
1980-81	-	-	-	7	1	8	7	1	8
1985-86	-	2	2	Neg.	-	-	-	2	2
1986-87	-	4	4	-	1	1	-	5	5
1987-88	Neg.	-	-	Neg.	-	-	-	-	-
1988-89	...	...	-	...	...	-	-	-	-
1989-90	...	...	-	...	...	-	-	-	-
1990-91	-	1	1	-	-	-	-	1	1
1991-92	-	-	-	6	6	12	6	6	12
1992-93	-	-	-	88	124	212	88	124	212
1993-94	-	-	-	88	124	212	88	124	212
1994-95	-	-	-	88	124	212	88	124	212
Daman & Diu									
1975-76	-	-	-	3	0	12	3	0	12
1980-81	-	-	-	3	4	7	3	4	7
1985-86	-	-	-	4	Neg.	4	4	-	4
1986-87	-	-	-	3	-	3	3	-	3
1987-88	-	-	-	3	-	3	3	-	3
1988-89	-	-	-	1	-	1	1	-	1
1989-90	-	-	-	1	-	1	1	-	1
1990-91	-	-	-	Neg.	-	Neg.	Neg.	-	Neg.
1991-92	-	-	-	Neg.	-	Neg.	Neg.	-	Neg.
1992-93	-	-	-	Neg.	-	Neg.	Neg.	-	Neg.
1993-94	-	-	-	Neg.	-	Neg.	Neg.	-	Neg.
1994-95	-	-	-	-	-	-	-	-	-

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

(In'000 Tonnes)

States : U.T.	Overseas	Coastal	Overseas & Coastal							
				Unloaded:Loaded	Total	Unloaded:Loaded	Total	Unloaded:Loaded	Total	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
KARNATAKA										
1975-76	91	371	462	66	237	303	157	608	765	
1980-81	177	647	824	74	170	244	251	817	1068	
1985-86	412	341	753	24	82	106	436	423	859	
1986-87	293	374	667	60	93	153	353	467	820	
1987-88	18	232	250	54	113	167	72	345	417	
1988-89	285	219	504	71	80	151	356	299	655	
1989-90	250	239	489	94	70	164	344	309	653	
1990-91	159	259	418	112	81	193	271	340	611	
1991-92	116	89	205	107	71	178	223	160	383	
1992-93	192	128	320	92	58	150	284	186	470	
1993-94	81	82	163	83	64	147	164	146	310	
1994-95	186	95	281	101	73	174	287	168	455	
KERALA										
1975-76	196	57	253	17	54	71	213	111	324	
1980-81	16	13	29	4	158	162	20	171	191	
1985-86	-	68	68	12	31	43	12	99	111	
1986-87	7	43	50	8	32	40	15	75	90	
1987-88	-	41	41	9	32	41	9	73	82	
1988-89	171	101	272	4	28	32	175	129	304	
1989-90	36	84	120	4	33	37	40	117	157	
1990-91	Neg.	86	86	9	35	44	9	121	130	
1991-92	Neg.	86	86	9	35	44	9	121	130	
1992-93	-	90	90	6	29	35	6	119	125	
1993-94	1	59	60	-	39	39	1	98	99	
1994-95	1	59	60	-	39	39	1	98	99	

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

(In'000 Tonnes)

States : U.T.	Overseas :	Coastal :	Overseas & Coastal						
	Unloaded:Loaded	Total	Unloaded:Loaded	Total	Unloaded:Loaded	Total	Unloaded:Loaded	Total	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
TAMILNADU									
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.	-	258	48	306
1989-90	326	49	375	-	1	1	326	50	376
1990-91	217	10	227	Neg.	-	-	217	10	227
1991-92	182	3	185	-	-	-	182	3	185
1992-93	248	12	260	-	-	-	248	12	260
1993-94	62	18	80	-	-	-	62	18	80
1994-95	93	31	124	-	-	-	93	31	124
PONDICHERRY									
1975-76	392	-	392	-	-	-	392	-	392
1980-81	49	-	49	-	-	-	49	-	49
1985-86	118	-	118	-	-	-	118	Neg.	118
1986-87	50	-	50	-	-	-	50	-	50
1987-88	-	-	-	-	-	-	-	-	-
1988-89	413	-	413	-	-	-	413	-	413
1989-90	229	-	229	-	-	-	229	-	229
1990-91	70	-	70	-	-	-	70	-	70
1991-92	53	-	53	-	-	-	53	-	53
1992-93	47	-	47	-	-	-	47	-	47
1993-94	22	-	22	-	-	-	22	-	22
1994-95	26	-	26	-	-	-	26	-	26

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

(In'000 Tonnes)

States : U.T.	Overseas	Coastal	Overseas & Coastal						
: Unloaded:Loaded : Total : Unloaded:Loaded : Total : Unloaded:Loaded : Total									
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
ANDHRA PRADESH									
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	632	928	1560	-	-	-	632	928	1560
1993-94	510	1262	1772	35	-	35	545	1262	1807
1994-95	456	926	1382	5	-	5	461	926	1387
ORISSA									
1975-76	-	-	-	-	-	-	-	-	-
1980-81	-	-	-	-	-	-	-	-	-
1985-86	-	-	-	-	-	-	-	-	-
1986-87	-	3	3	-	-	-	-	3	3
1987-88	-	30	30	-	-	-	-	30	30
1988-89	-	22	22	-	-	-	-	22	22
1989-90	26	42	68	-	-	-	26	42	68
1990-91	50	11	61	-	-	-	50	11	61
1991-92	118	32	150	-	-	-	118	32	150
1992-93	154	53	207	-	-	-	154	53	207
1993-94	131	81	212	-	-	-	131	81	212
1994-95	161	39	200	-	-	-	161	39	200

(In '000 Tonnes)

- 188 -

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

(In'000 Tonnes)

States : U.T.	Overseas	Coastal	Overseas & Coastal	
: Unloaded:Loaded	: Total	: Unloaded:Loaded	: Total	: Unloaded:Loaded : Total
(1)	(2)	(3)	(4)	(5) (6) (7) (8) (9) (10)
TOTAL				
1975-76	1814	3068	4882	599 1023 1622 2413 4091 6504
1980-81	1921	3385	5306	577 849 1426 2498 4234 6732
1985-86	3873	2887	6760	1034 1261 2295 4907 4148 9055
1986-87	3055	3107	6162	1052 1154 2206 4107 4261 8368
1987-88	1951	1941	3892	956 1070 2026 2907 3011 5918
1988-89	4263	2890	7153	967 955 1922 5230 3845 9075
1989-90	4244	4513	8757	1144 955 2099 5388 5468 10856
1990-91	5713	3854	9567	1964 1251 3215 7677 5105 12782
1991-92	4765	4104	8869	3016 1373 4389 7781 5477 13258
1992-93	6235	4737	10972	3094 1339 4433 9329 6076 15405
1993-94	7566	6644	14210	3839 1421 5260 11405 8065 19470
1994-95	8602	6326	14928	5367 1889 7256 13969 8215 22184

3.1.5 Transshipment Traffic

(In '000 Tonnes)

State/Port	Commodity	1992-93	1993-94	1994-95	1995-96
Gujarat					
Sikka	Light Diesel Oil	-	-	-	-
	Crude Oil	1909	3603	2522	2663
Bedi	Iron Ore	-	-	60	-
	Coal Cargo	24	-	-	-
Bhavnagar	Iron Ore	269	276	284	46
	Celibrated Iron Ore	-	58	192	32
	Clinker	-	-	57	57
	HBI	-	8	56	88
	Steel Scrap	-	-	38	-
Andhra Pradesh					
Kakinada Maharashtra	Wheat	123	-	-	-
	G.Cargo	-	3	-	-
Total Transshipment		2325	3948	3209	2886

3.1.6 - Overseas Cargo Traffic Handled In Principal Commodities

(In '000 Tonnes)										
Commodity	1992-93			1993-94			1994-95			Total
	: Unloaded:Loaded		: Total	: Unloaded:Loaded		: Total	: Unloaded:Loaded		: Total	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	
GUJARAT	4962	3526	8488	6759	5142	11901	7679	5149	12828	
Fertilizer & Raw Material	2058	55	2113	1538	-	1538	1206	-	1206	
Iron Ore	21	11	32	2	-	2	1231	-	1231	
Building Material	-	322	322	-	1146	1146	22	1727	1749	
Oil Cakes	-	2367	2367	-	2479	2479	-	2153	2153	
Coke	231	-	231	188	140	328	997	-	997	
Oil Cargo	1996	-	1996	3662	-	3662	2644	-	2644	
Others	656	771	1427	1369	1377	2746	1579	1269	2848	
MAHARASHTRA	-	-	-	-	-	-	-	27	27	
Cement Clinker	-	-	-	-	-	-	-	13	13	
Ethylene	-	-	-	-	-	-	-	14	14	
GOA	-	-	-	-	-	-	-	-	-	
KARNATAKA	192	128	320	81	82	163	186	95	281	
Fertilizer & Raw Material	95	5	100	36	-	36	174	-	174	
Iron & Other Ores	-	61	61	-	-	-	-	-	-	
Foodgrains	84	-	84	23	-	23	-	-	-	
Granite	-	-	-	-	79	79	-	91	91	
Others	13	62	75	22	3	25	12	4	16	

3.1.6 - Overseas Cargo Traffic Handled In Principal Commodities

(In '000 Tonnes)										
Commodity	1992-93			1993-94			1994-95			
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
ORISSA	154	53	207	131	81	212	161	39	200	
Other Ores	-	53	53	-	81	81	-	35	35	
Fertiliser	69	-	69	131	-	131	161	4	165	
Foodgrains	85	-	85	-	-	-	-	-	-	
TOTAL	6235	4737	10972	7566	6644	14210	8602	6326	14928	
Fertilizer										
Raw Material	2928	77	3005	2273	4	2277	1648	4	1652	
Iron & Other	-	216	216	-	154	154	1284	66	1350	
Ores	465	62	527	165	109	274	-	-	-	
Foodgrains	-	2367	2367	-	2479	2479	-	2153	2153	
Oil Cakes	-	322	322	-	1146	1146	22	1727	1749	
Building Materi	-	-	-	-	79	79	-	91	91	
Granite	231	-	231	188	140	328	997	-	997	
Coke	-	-	-	-	-	-	-	14	14	
Ethylene	1996	-	1996	3662	-	3662	2664	-	2664	
Oil Cargo	615	1693	2308	1278	2533	3811	1987	2271	4258	
Others										

3.1.7 - Coastal Cargo Traffic Handled In Principal Commodities

(In'000 Tonnes)										
Commodity	1992-93		1993-94		1994-95					
	Unloaded:Loaded	Total	Unloaded:Loaded	Total	Unloaded:Loaded	Total				
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
GUJARAT	2372	1024	3396	2773	1071	3844	2640	1475	4115	
1.Building Material	413	703	1116	388	697	1085	474	1080	1554	
2.Iron Ore	1881	162	2043	2194	139	2333	1920	30	1950	
3.Salt	-	83	83	-	134	134	-	86	86	
4.Others	78	76	154	191	101	292	246	279	525	
MAHARASHTRA	298	5	303	622	24	646	2301	118	2419	
1.Building Material*	269	5	274	322	-	322	598	-	598	
2.Ethylene	-	-	-	-	-	-	35	-	35	
3.Iron ore &Palet	29	-	29	261	24	285	1664	118	1782	
4.Others	-	-	-	39	-	39	4	-	4	
GOA	88	124	212	88	124	212	88	124	212	
DAMAN & DIU	Neg.	-	Neg.	Neg.	-	Neg.	-	-	-	
1.Building Material	Neg.	-	Neg.	Neg.	-	Neg.	-	-	-	
2.Others	-	-	-	-	-	-	-	-	-	

* Includes Clinkers

3.1.7 - Coastal Cargo Traffic Handled In Principal Commodities

(In '000 Tonnes)

Commodity	1992-93		1993-94		1994-95				
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
KARNATAKA	92	58	150	83	64	147	101	73	174
1. Building Material	2	31	33	-	29	29	-	23	23
2. Salt	87	-	87	79	-	79	97	-	97
3. Others	3	27	30	4	35	39	4	50	54
ANDHRA PRADESH	-	-	-	35	-	35	-	5	5
1. Salt	-	-	-	35	-	35	-	-	-
2. Others	-	-	-	-	-	-	-	5	5
KERALA	6	29	35	-	39	39	-	39	39
1. Building Material	-	13	13	-	18	18	-	18	18
2. Others	6	16	22	-	21	21	-	21	21
TAMILNADU	-	-	-	-	-	-	-	-	-
1. Others	-	-	-	-	-	-	-	-	-
LAKSHADWEEP	33	5	38	33	5	38	...	...	...
1. Building Material	16	-	16	16	-	16	...	...	...
2. Others	17	5	22	17	5	22	...	...	...

3.1.7 - Coastal Cargo Traffic Handled In Principal Commodities

		(In'000 Tonnes)									
Commodity		1992-93		1993-94		1994-95					
		Unloaded:Loaded	Total	Unloaded:Loaded	Total	Unloaded:Loaded	Total				
(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
ANDAMAN & NICOBAR		205	94	299	205	94	299	232	60	292	
1. Building Material		42	34	76	42	34	76	56	43	99	
2. Food Grain		51	31	82	51	31	82	49	-	49	
3. Mineral Fuel		51	4	55	51	4	55	72	-	72	
3. Others		61	25	86	61	25	86	55	17	72	
TOTAL		3094	1339	4433	3839	1421	5260	5367	1889	7256	
1. Building Material		742	786	1528	768	778	1546	1128	1164	2292	
2. Salt		91	83	174	116	134	250	97	86	183	
3. Iron ore & Pellet		1910	-	1910	2455	163	2618	3584	148	3732	
4. Ethylene		-	-	-	-	-	-	35	-	35	
5. Food Grains		51	31	82	51	31	82	49	-	49	
6. Mineral Fuel		51	4	55	51	4	55	72	-	72	
7. Others		249	435	684	398	311	709	402	491	893	

3.1.8 Overseas Cargo Traffic At Selected Minor/Intermediate
Ports During 1993-94 And 1994-95

Port/Commodity	(In'000 Tonnes)						
	Unloaded		Loaded		Total		
	1993-94	1994-95	1993-94	1994-95	1993-94	1994-95	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	
GUJARAT							
1. Bedi	402	542	2311	1954	2713	2496	
a) Foodgrains	108	83	11	5	119	88	
b) Rock Phosphate	-	131	-	-	-	131	
c) Other Fertilizers	288	241	-	-	288	241	
d) Iron ore	-	61	-	-	-	61	
e) Oil Cakes	-	-	2299	1948	2299	1948	
f) Others	6	26	1	1	7	27	
2. Okha	276	737	297	612	573	1349	
a) Foodgrains	-	26	13	40	13	66	
b) Fertilizer finished	28	33	-	-	28	33	
c) Building Material	-	-	224	455	224	455	
d) Chemicals	-	-	32	42	32	42	
e) Coke & Coal	188	636	-	-	188	636	
f) Others	60	42	28	75	88	117	
3. Bhavnagar	539	481	180	312	719	793	
a) Building Material	-	22	-	57	-	79	
b) Fertilizer finished	170	174	-	-	170	174	
c) Rock Phosphate	228	246	-	-	228	246	
d) Other fertilizer	141	38	-	-	141	38	
e) Iron Scrap	-	-	-	-	-	-	
f) Others	-	1	180	255	180	256	

3.1.8 Overseas Cargo Traffic At Selected Minor/Intermediate
Ports During 1993-94 And 1994-95

(In '000 Tonnes)						
Port/Commodity	Unloaded		Loaded		Total	
	1993-94 1994-95		1993-94 1994-95		1993-94 1994-95	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
4. Navalakhi	282	282	169	169	451	451
a) Foodgrains	-	-	-	-	-	-
b) Fertilizer finished	271	271	-	-	271	271
c) Salt	-	-	169	169	169	169
d) Others	11	11	-	-	11	11
5. Sikka	4058	3093	125	171	4183	3264
a) Oil Cargo	3603	2523	-	-	3603	2523
b) P. Acid	347	452	-	-	347	452
c) Building Material	-	-	125	171	125	171
d) Others	108	118	-	-	108	118
6. Surat	939	1970	599	517	1538	2487
a) Rock Phosphate	211	176	-	-	211	176
b) Other fertilizer	31	52	-	-	31	52
c) Iron Ore	375	1171	32	-	407	1171
d) Iron & Steel	-	200	561	487	561	687
e) Others	322	371	6	30	328	401
MAHARASHTRA						
1. Redi	-	-	-	-	-	-
a) Iron Ore	-	-	-	-	-	-

3.1.8 Overseas Cargo Traffic At Selected Minor/Intermediate
Ports During 1993-94 And 1994-95

(In'000 Tonnes)						
Port/Commodity	Unloaded		Loaded		Total	
	1993-94		1993-94		1993-94	
	1993-94	1994-95	1993-94	1994-95	1993-94	1994-95
(1)	(2)	(3)	(4)	(5)	(6)	(7)
KARNATAKA						
1. Karwar	60	110	79	94	139	204
a)Foodgrains	23	-	-	-	23	-
b)Rock Phosphate	35	40	-	-	35	40
c)Fertilizer finished	-	70	-	-	-	70
d)Granite	-	-	79	91	79	91
e)P.Acid	2	-	-	3	2	3
f)Others	-	-	-	-	-	-
2. Mangalore						
a)Foodgrains	21	75	-	-	21	75
b)Fertilizer finished	-	-	-	-	-	-
c)Others	-	64	-	-	-	64
	21	11	-	-	21	11
KERALA						
Neendakara	-	-	59	59	59	59
TAMILNADU						
1. Cuddalore	62	90	-	-	62	90
a)Fertilizer finished	43	53	-	-	43	53
b)Other Ores	-	30	-	-	-	30
c)Others	19	7	-	-	19	7

3.1.8 Overseas Cargo Traffic At Selected Minor/Intermediate
Ports During 1993-94 And 1994-95

(In'000 Tonnes)						
Port/Commodity	Unloaded		Loaded		Total	
	1993-94	1994-95	1993-94	1994-95	1993-94	1994-95
(1)	(2)	(3)	(4)	(5)	(6)	(7)
ANDHRA PRADESH						
1. Kakinda	510	426	1262	926	1772	1352
a) Foodgrain	7	24	26	10	33	34
b) Fertiliser finished	438	353	-	-	438	353
c) Rock Phosphate	64	22	-	-	64	22
d) Other Ores	-	-	5	5	5	5
e) Others	1	27	1231	911	1232	938
ORISSA						
1. Gopalpur	131	161	81	39	212	200
a) Other Ores	-	-	81	35	81	35
b) Fertiliser finished	131	161	-	4	131	165
Total (above Ports)	7280	7967	5162	4853	12442	12820
Total for all Minor/ Intermediate Port	7566	8602	6644	6326	14210	14928

3.1.9 Coastal Cargo Traffic At Selected Minor/Intermediate Ports During 1993-94 And 1994-95

Port/Commodity	(In '000 Tonnes)						
	Unloaded		Loaded			Total	
	1993-94	1994-95	1993-94	1994-95	1993-94	1994-95	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	
GUJARAT							
1. Okha	157	239	13	28	170	267	
a) Fuel Oil	77	79	-	-	77	79	
b) Bauxite	-	-	13	17	13	17	
c) Coal	79	160	-	-	79	160	
d) Others	1	-	-	11	1	11	
2. Surat	2252	1908	218	224	2470	2132	
a) Cement Clinkers	386	451	-	-	386	451	
b) Iron Ore	1861	1427	139	30	2000	1457	
c) Iron & Steel	-	8	44	166	44	174	
d) Others	5	22	35	28	40	50	
3. Jafrabad	2	-	575	651	577	651	
a) Cement Clinkers	2	-	574	651	576	651	
b) Others	-	-	1	-	1	-	
4. Sikka	-	-	90	86	90	86	
a) Salt	-	-	90	86	90	86	
MAHARASHTRA							
1. Ratnagiri	240	280	Neg.	26	240	306	
a) Cement Clinkers	200	245	-	12	200	257	
b) Ethelene	40	35	-	14	40	49	

3.1.9 Coastal Cargo Traffic At Selected Minor/Intermediate Ports During 1993-94 And 1994-95

Port/Commodity	(In '000 Tonnes)						
	Unloaded		Loaded		Total		
	1993-94	1994-95	1993-94	1994-95	1993-94	1994-95	1994-95
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(7)
2. Revdanda	220	863	2	-	222	863	863
a) Iron Ore Pallet	220	861	2	-	222	861	861
b) Coking Coal	-	2	-	-	-	2	2
3. Dhamtar	-	803	-	-	-	803	803
a) Iron Ore Pallet	-	803	-	-	-	803	803
KARNATAKA							
1. Karwar	80	97	-	14	80	111	111
a) Salt	79	97	-	-	79	97	97
b) Iron ore	-	-	-	12	-	12	12
c) Others	1	-	-	2	1	2	2
KERALA							
1. Calicut/Beyypore	-	-	33	33	33	33	33
a) Building material	-	-	12	12	12	12	12
b) Rice/Wheat	-	-	7	7	7	7	7
c) Others	-	-	14	14	14	14	14
2. Azhikkal	-	-	6	6	6	6	6
a) Building material	-	-	6	6	6	6	6

3.1.9 Coastal Cargo Traffic At Selected Minor/Intermediate Ports During 1993-94 And 1994-95

(In '000 Tonnes)

Port/Commodity	Unloaded		Loaded		Total		
	1993-94	1994-95	1993-94	1994-95	1993-94	1994-95	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	
ANDAMAN & NICOBAR							
Port Blair	205	232	94	60	299	292	
a) Building Material	42	56	34	43	76	99	
b) Mineral Fuel	51	72	4	-	55	72	
c) Others	112	104	56	17	168	121	
Total for above Ports	3156	4422	1025	1128	4181	5550	
a) Fuel Oil	77	151	-	-	77	151	
b) Bauxite	-	-	13	17	13	17	
c) Cement, Clinkers	625	752	34	724	659	1476	
d) Salt	79	97	90	86	169	183	
e) Iron Ore & Pallets	2081	2115	141	-	2222	2115	
f) Building material	-	-	-	-	-	-	
g) Rice, Wheat	-	35	7	14	7	49	
h) Ethelene	40	-	-	-	40	-	
i) Coal	79	162	-	-	79	162	
j) Iron & Steel	-	8	44	166	44	174	
k) Others	175	1102	696	121	871	1223	
Total All Minor/Intermediate Ports	3839	5367	1421	1889	5260	7256	

3.1.10 Cargo Traffic Handled At Selected Minor/Intermediate Ports in 1993-94 And 1994-95
(In '000 Tonnes)

State/Port	Overseas				Coastal				Total			
	Unloaded	Loaded	Unloaded	Loaded	Unloaded	Loaded	Unloaded	Loaded	Unloaded	Loaded	Unloaded	Loaded
	: 1993-94 : 1994-95	: 1993-94 : 1994-95	: 1993-94 : 1994-95	: 1993-94 : 1994-95	: 1993-94 : 1994-95	: 1993-94 : 1994-95	: 1993-94 : 1994-95	: 1993-94 : 1994-95	: 1993-94 : 1994-95	: 1993-94 : 1994-95	: 1993-94 : 1994-95	: 1993-94 : 1994-95
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
GUJARAT	6759	7679	5142	5149	2773	2640	1071	1475	9532	10319	6213	6624
Mandvi	77	55	15	21	-	-	-	3	77	55	15	24
Navlakhi	282	282	169	169	-	-	12	12	282	282	181	181
Bedi	402	542	2311	1954	-	-	-	-	402	542	2311	1954
Sikka	4060	3093	125	171	-	-	90	86	4060	3093	215	257
Okha	276	737	297	612	157	239	13	28	433	976	310	640
Porbandar	45	350	1017	641	12	-	4	7	57	350	1021	648
Veraval	116	123	143	433	9	16	126	434	125	139	269	867
Bhavnagar	539	481	180	312	341	477	-	6	880	958	180	318
Surat	938	1970	599	517	2252	1908	218	224	3190	3878	817	741
Mundra	1	3	27	54	-	-	16	-	1	3	43	54
Jafrabad	-	43	259	265	2	-	575	651	2	43	834	916
Piparav	-	-	-	-	-	-	16	21	-	-	16	21
Mahuva	-	-	-	-	-	-	-	1	-	-	-	1
Gogha	-	-	-	-	-	-	-	2	-	-	-	2
Dahej	20	-	-	-	-	-	-	-	20	-	-	-
Jakhu	-	-	-	-	-	-	-	-	-	-	-	-
Others	3	-	-	-	-	-	1	-	3	-	1	-
MAHARASHTRA	-	-	-	27	622	2301	24	118	622	2301	24	145
Ratnagiri	-	-	-	26	240	280	-	-	240	280	-	26
Redi	-	-	-	-	40	-	22	118	40	-	22	118

3.1.10 Cargo Traffic Handled At Selected Minor/Intermediate Ports in 1993-94 And 1994-95 (In '000 Tonnes)

State/Port	Overseas			Coastal			Total					
	Unloaded	: Loaded	:	Unloaded	: Loaded	:	Unloaded	: Loaded				
: 1993-94 : 1994-95 : 1993-94 : 1994-95 : 1993-94 : 1994-95 : 1993-94 : 1994-95 : 1993-94 : 1994-95												
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
MAHARASHTRA (CONTD.)												
Revdanda	-	-	-	-	-	863	-	-	-	863	-	-
Utwa-Belapur	-	-	-	-	-	353	-	-	-	353	-	-
Dharamtar	-	-	-	-	-	803	-	-	-	803	-	-
Dabhol	-	-	-	-	-	1	-	-	-	1	-	-
Jaiwad	-	-	-	-	-	220	-	-	-	220	-	-
Vijaydurg	-	-	-	-	-	121	-	-	-	121	-	-
Others	-	-	-	1	-	-	2	-	-	-	2	1
GOA	-	-	-	-	-	88	88	124	124	88	88	124
Panaaji	-	-	-	-	-	88	88	124	124	88	88	124
Daman & Diu	-	-	-	-	-	neg.	-	-	-	-	-	-
Daman	-	-	-	-	-	neg.	-	-	-	-	-	-
KARNATAKA	81	186	82	95	83	101	64	73	164	287	146	168
Karwar	60	111	79	94	80	97	2	14	140	208	81	108
Managalore	21	75	-	-	3	-	31	25	24	75	31	25
Tadri	-	-	-	-	-	-	5	6	-	-	5	6
Honawar	-	-	-	-	-	-	1	2	-	-	1	2
Kundapura	-	-	-	-	-	-	2	2	-	-	2	2
Malpe	-	-	3	1	-	4	23	24	-	4	26	25

3.1.10 Cargo Traffic Handled At Selected Minor/Intermediate Ports in 1993-94 And 1994-95

(In '000 Tonnes)

State/Port	Overseas					Coastal					Total		
	Unloaded		Loaded			Unloaded		Loaded			Unloaded		Loaded
	1993-94	1994-95	1993-94	1994-95		1993-94	1994-95	1993-94	1994-95		1993-94	1994-95	1993-94
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
KERALA	1	1	59	59	-	-	39	39	1	1	98	98	98
Calicut/	1	1	-	-	-	-	33	33	1	1	33	33	33
Beyport	-	-	59	59	-	-	-	-	-	-	59	59	59
Neendakara	-	-	-	-	-	-	6	6	-	-	6	6	6
Azhikkal	-	-	-	-	-	-	-	-	-	-	-	-	-
TAMIL NADU	62	93	18	31	-	-	-	-	62	93	18	31	31
Cuddalore	62	90	-	-	-	-	-	-	62	90	-	-	-
Colachel	-	-	18	31	-	-	-	-	-	-	18	31	31
Valinokkam	-	3	-	-	-	-	-	-	-	3	-	-	-
PONDICHERRY	22	26	-	-	-	-	-	-	22	26	-	-	-
ANDHRA PRADESH	510	456	1262	926	35	-	-	5	545	456	1262	931	931
Kakinada	510	426	1262	926	35	-	-	5	545	426	1262	931	931
Krishnapatanam	-	30	-	-	-	-	-	-	-	30	-	-	-
ORISSA	118	161	32	39	-	-	-	-	118	161	32	39	39
Gopalpur	118	161	32	39	-	-	-	-	118	161	32	39	39
SEA ISLANDS	-	-	-	-	238	232	99	60	238	232	99	60	60
A & N Islands	-	-	-	-	205	232	94	50	205	232	94	60	60
Lakshadweep	-	...	-	...	33	...	5	...	33	...	5	...	...

3.1.11 State-Wise Cargo Handled At Minor/Intermediate Ports
(1993-94 And 1994-95) By Steamers And Sailing Vessels

(In '000 Tonnes)

State / Port	Overseas				Coastal				Total	
	Unloaded	Loaded	Unloaded	Loaded	Unloaded	Loaded	Unloaded	Loaded	Overseas & Coastal	
	1993-94	1994-95	1993-94	1994-95	1993-94	1994-95	1993-94	1994-95	1993-94	1994-95
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
GUJARAT	6759	7679	5142	5149	2773	2640	1071	1475	15745	16943
Steamers	3148	5044	5094	5003	2431	2162	1047	1441	11720	13650
Sailing Vessels	7	14	48	33	1	1	24	34	80	82
Transshipment	3604	2621	-	113	341	477	-	-	3945	3211
MAHARASHTRA	-	-	-	27	622	2301	24	118	646	2446
Steamers	-	-	-	27	622	2301	24	118	646	2446
Sailing Vessels	-	-	-	-	-	-	-	-	-	-
GOA	-	-	-	-	88	88	124	124	212	212
Steamers	-	-	-	-	88	88	124	124	212	212
Sailing Vessels	-	-	-	-	-	-	-	-	-	-
DAMAN & DIU	-	-	-	-	-	-	-	-	-	-
Steamers	-	-	-	-	-	-	-	-	-	-
Sailing Vessels	-	-	-	-	-	-	-	-	-	-
KARNATAKA	81	186	82	95	83	101	64	73	310	455
Steamers	81	186	78	95	80	96	4	17	243	394
Sailing Vessels	-	-	4	-	3	5	60	56	67	61
KERALA	1	1	59	59	-	-	39	39	99	99
Steamers	1	1	59	59	-	-	3	3	63	63
Sailing Vessels	-	-	-	-	-	-	36	36	36	36

3.1.11 State-Wise Cargo Handled At Minor/Intermediate Ports
(1993-94 And 1994-95) By Steamers And Sailing Vessels

(In '000 Tonnes)

State / Port	Overseas				Coastal				Total	
	Unloaded	Loaded	Unloaded	Loaded	Unloaded	Loaded	Unloaded	Loaded	Overseas & Coastal	
: 1993-94 : 1994-95 : 1993-94 : 1994-95 : 1993-94 : 1994-95 : 1993-94 : 1994-95 : 1993-94 : 1994-95										
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
TAMILNADU	62	93	18	31	-	-	-	-	80	124
Steamers	62	93	18	31	-	-	-	-	80	124
Sailing Vessels	-	-	-	-	-	-	-	-	-	-
PONDICHERRY	22	26	-	-	-	-	-	-	22	26
Steamers	22	26	-	-	-	-	-	-	22	26
Sailing Vessels	-	-	-	-	-	-	-	-	-	-
ANDHRA PRADESH	510	456	1262	926	35	-	-	5	1807	1387
Steamers	510	456	1262	926	35	-	-	5	1807	1387
Sailing Vessels	-	-	-	-	-	-	-	-	-	-
ORISSA	131	161	81	39	-	-	-	-	212	200
Steamers	131	161	81	39	-	-	-	-	212	200
Sailing Vessels	-	-	-	-	-	-	-	-	-	-
SEA ISLANDS	-	-	-	-	238	232	99	60	337	292
Steamers	-	-	-	-	238	232	99	60	337	292
Sailing Vessels	-	-	-	-	-	-	-	-	-	-
Total	7566	8602	6644	6326	3839	5367	1421	1889	19470	22184
Steamers	3955	5967	6592	6180	3494	4884	1301	1763	15342	18794
Sailing Vessels	7	14	52	33	4	6	120	126	183	179
Transshipment	3604	2621	-	113	341	477	-	-	3945	3211

3.1.12 - Port-Wise Cargo Traffic Handled By Steamers / Sailing Vessels - 1994-95
(In Tonnes)

State / Selected Port	Steamers				Sailing Vessels				Total	
	Overseas	Coastal	Overseas	Coastal	Overseas	Coastal	Overseas	Coastal	Steamers	Sailing Vessels
	UL	L	UL	L	UL	L	UL	L		
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.
GUJARAT	7665358	5116413	2639296	1440777	14004	32877	1121	33879	16861844	81881
Mandvi	54946	20774	-	2525	-	-	-	-	78245	-
Navlakhi	282467	168523	-	11525	-	-	-	-	462515	-
Bedi	471113	1953285	-	-	9547	1055	-	-	2424398	10602
Stika	569991	170792	-	86433	-	-	-	-	827216	-
Okha	737112	605076	238696	28333	130	7024	-	-	1609217	7154
Porbunder	349488	628578	121	-	252	12530	-	6820	978187	19602
Veraval	123050	431492	15549	430389	460	1805	655	3387	1000480	6307
Bhavnagar	443250	198534	-	6490	-	-	-	-	648274	-
Surat	1969283	516893	1908157	224218	-	-	-	-	4618551	-
Mundra	-	43970	-	-	3615	10463	223	-	43970	14301
Jafrabad	43688	264964	-	650864	-	-	-	-	959516	0
Pipavav	-	-	-	-	-	-	192	20867	-	21059
Others	-	-	-	-	-	-	51	2805	-	-
Transshipment	2620970	113532	476773	-	-	-	-	-	3211275	-
MAHARASHTRA	-	26605	2301293	117991	-	-	-	-	2445889	0
Ratnagiri	-	26440	279791	-	-	-	-	-	306231	-
Redi	-	-	-	117991	-	-	-	-	117991	-
Utiwa Belapur	-	-	352948	-	-	-	-	-	352948	-
Ravdanda	-	-	863253	-	-	-	-	-	863253	-
Dhamtar	-	-	802807	-	-	-	-	-	802807	-
Others	-	165	2494	-	-	-	-	-	2659	-

Note : UL - Unloaded; L - Loaded.

3.1.12 - Port-Wise Cargo Traffic Handled By Steamers / Sailing Vessels - 1994-95
(In Tonnes)

State / Selected Port	Steamers				Sailing Vessels				Total	
	Overseas		Coastal		Overseas		Coastal		Sailing	
	UL	L	UL	L	UL	L	UL	L	Steamers	Vessels
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.
KERALA	572	59150	-	3137	-	-	14	35923	62859	35937
Neendakara	-	59150	-	-	-	-	-	-	59150	-
Kozhikode	572	-	-	3137	-	-	14	30133	3709	30147
Azhikkal	-	-	-	-	-	-	-	5790	-	5790
GOA	-	-	88662	124693	-	-	-	-	213355	-
DAMAN & DIU	-	-	-	-	-	-	253	-	-	253
Daman	-	-	-	-	-	-	253	-	-	253
KARNATAKA	185774	94556	96635	17722	-	399	4596	55587	394687	60582
Malpe	-	-	-	-	-	399	4596	24158	-	29153
Karwar	110492	94556	96635	11512	-	-	-	2670	313195	2670
Mangalore	75282	-	-	-	-	-	-	24776	75282	24776
Others	-	-	-	6210	-	-	-	3983	6210	3983
TAMILNADU	93362	31120	-	-	-	-	-	-	124482	-
Cuddalore	89652	-	-	-	-	-	-	-	89652	-
Colachel	-	31120	-	-	-	-	-	-	31120	-
Vallinokkam	3710	-	-	-	-	-	-	-	3710	-

Note : UL - Unloaded; L - Loaded.

3.1.12 - Port-Wise Cargo Traffic Handled By Steamers / Sailing Vessels - 1994-95
(In Tonnes)

State / Selected Port	Steamers				Sailing Vessels				Total	
	Overseas	Coastal	Overseas	Coastal	Overseas	Coastal	Overseas	Coastal	Steamers	Sailing Vessels
	UL	L	UL	L	UL	L	UL	L		
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.
PONDICHERY	25600	-	-	-	-	-	-	-	25600	-
ANDHRA PRADESH	455624	926401	-	5000	-	-	-	-	1387025	-
Kakinada	425510	926401	-	5000	-	-	-	-	1356911	-
Krishnapatanam	30114	-	-	-	-	-	-	-	30114	-
ORISSA	161356	39270	-	-	-	-	-	-	200626	-
Gopalpur	161356	39270	-	-	-	-	-	-	200626	-
LAKSHADWEEP	...	...	...	...	...	...	...	...	...	...
ANDAMAN & NICOBAR	-	-	231748	60016	-	-	-	-	291764	-
TOTAL	8587646	6293515	5357634	1769336	14004	33276	5984	125389	22008131	178653

Note : UL - Unloaded; L - Loaded.

3.2.1 Passenger Traffic Handled At Minor/Intermediate Ports

(In '00 Numbers)

Year	Overseas		Coastal		Total	
	Embarked	Disembarked	Embarked	Disembarked	Embarked	Disembarked
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1975-76	415	525	22299	22961	22714	23486
1980-81	829	996	23273	22330	24102	23326
1981-82	905	1012	23418	22067	24323	23079
1982-83	1027	1125	24272	24217	25299	25342
1983-84	649	888	24439	24522	25088	25410
1984-85	446	682	24582	24595	25028	25277
1985-86	-	-	53213	52363	53213	52363
1986-87	-	-	55261	55751	55261	55751
1987-88	91	-	78978	78829	79069	78829
1988-89	-	-	87188	87197	87188	87197
1989-90	-	-	83284	82655	83284	82655
1990-91	-	-	65040	62551	65040	62551
1991-92	-	-	70633	70426	70633	70426
1992-93	41	-	68553	66068	68594	66068
1993-94	-	-	69823	68975	69823	68975
1994-95	-	-	72150	68985	72150	68985
						<u>Total</u>
						46200
						47428
						47402
						50641
						50498
						50305
						10576
						11012
						157898
						174385
						165939
						127591
						141059
						134022
						138798
						141135

3.2.2 - State-Wise Passenger Traffic - Overseas And Coastal

(In '00 Numbers)

State/UT/Port	1975-76	1980-81	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
GUJARAT	385	750	244	283	283	596	10697	1056	1056	1602	1037	325
Embarked	193	398	125	168	168	311	5329	531	531	827	551	163
Disembarked	192	352	119	115	115	285	5368	525	525	775	486	162
MAHARASHTRA	43503	42368	102429	107078	140304	155919	139701	121817	135137	128146	132928	139669
Embarked	21396	20939	51660	53356	70238	77968	70199	62236	67790	65396	66964	71437
Disembarked	22107	21429	50769	53722	70066	77951	69502	59581	67347	62750	65964	68232
GOA	691	1435	1472	2194	1587	1587	...	-	-	-	-	-
Embarked	374	1435	775	1080	817	817	...	-	-	-	-	-
Disembarked	317	-	697	1134	770	770	...	-	-	-	-	-
KARNATAKA	-	-	-	-	-	-	-	-	-	-	-	-
Embarked	-	-	-	-	-	-	-	-	-	-	-	-
Disembarked	-	-	-	-	-	-	-	-	-	-	-	-
KERALA	27	7	-	-	20	20	36	33	33	39	50	50
Embarked	14	4 Neg.	-	-	10	10	11	4	4	21	26	26
Disembarked	13	3 Neg.	-	-	10	10	25	29	29	18	24	24

3.2.2 - State-Wise Passenger Traffic - Overseas And Coastal

(In '00 Numbers)

State/UT/Port	1975-76	1980-81	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
TAMILNADU	922	1925	-	-	14021	14380	14494	-	-	42	-	2
Embarked	415	829	-	-	7051	7190	7247	-	-	42	-	1
Disembarked	507	996	-	-	6970	7190	7247	-	-	-	-	1
ANDAMAN GROUP	533	731	854	854	854	854	3288	4685	4833	4833	4833	1089
Embarked	256	341	375	375	375	375	1547	2269	2308	2308	2308	523
Disembarked	277	390	479	479	479	479	1741	2416	2525	2525	2525	566
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	46200	47428	105576	111012	157898	174385	169263	127591	141059	134662	138798	141135
Embarked	22715	24102	53213	55261	79069	87188	84842	65040	70633	68594	69823	72150
Disembarked	23485	23326	52363	55751	78829	87197	84421	62551	70426	66068	68975	68985

* The data of Lakshadweep was not received commodity wise.

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

(In Number)

Type of Vessel/Year	Gujarat	Mahara-	Goa	Daman	Karna-	Kerala	Tamil	Pondi-	Andhra	Orissa	Sea
	: shtra	:	: E Diu	: taka	:	:	: Nadu	:cherry	:Pradesh	:Islands	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
STEAMERS											
1989-90	1657	153	176	-	44	57	50	17	145	6	174
1990-91	1273	164	176	-	56	41	32	4	128	5	174
1991-92	1199	132	176	-	62	41	19	2	143	7	174
1992-93	2030	117	104	-	83	45	31	2	153	10	174
1993-94	2109	132	104	-	65	55	20	2	184	11	174
1994-95	2313	433	104	-	73	55	27	2	126	9	174
SAILING VESSELS											
1989-90	7208	19012	-	356	945	313	148	21	-	-	221
1990-91	5082	19150	16	253	821	481	61	44	-	-	221
1991-92	5179	19800	17	427	932	418	57	21	-	-	221
1992-93	2186	18390	11	255	1162	402	33	21	-	-	221
1994-94	6716	20053	11	255	813	389	68	-	-	-	221
1994-95	5613	7772	11	212	847	389	22	-	-	-	221
TOTAL											
1989-90	8865	19165	176	356	989	370	198	38	145	6	395
1990-91	6355	19314	192	253	877	522	93	48	128	5	395
1991-92	6378	19932	193	427	994	459	76	23	143	7	395
1992-93	4216	18507	115	255	1245	447	64	23	153	10	395
1993-94	8825	20185	115	255	878	444	88	2	184	11	395
1994-95	7926	8205	115	212	920	444	49	2	126	9	395

3.4.1.					
Employment At Minor Ports (1984-85)					
States/Us	Officers		Regular Workers		(In Number)
	Sanctioned	Actual	Sanctioned	Actual	
Gujarat	67	49	2804	2328	200
Maharashtra	...	...	235	235	...
Goa	5	12	6	156	3
Daman & Diu	3	3	20	20	7
Karnataka	74	73	108	83	5500
Kerala	308	268	1025	1025	-
Tamil Nadu	175	168	193	179	-
Pondicherry	8	6	113	93	1000*
Andhra Pradesh	8	7	140	114	4
Orissa	237	144	50	50	302
Andaman & Nicobar Islands	15	8	839	755	83
Total	898	738	5533	5038	7099
*Private labourers were engaged by the clearing agency during shipment operation					

3.C.1. Physical Performance (1993-94 And 1994-95)

Maritime State/UT

Port	No. of Vessel Left	Average Waiting Time (In Days)		Average Turn Round Time (In Days)	
		1993-94	1994-95	1993-94	1994-95
Gujarat					
Porbandar	105	97	3.2	5.0	5.3
Okha	76	105	2.5	4.0	-
Veraval	30	27	1.6	1.5	6.4
Dedi	259	-	-	-	7.2
Sikka	66	82	-	-	-
Mahuva	10	12	-	-	-
Gogha	59	38	0.02	0.05	0.02
Navalakh	2	...	9.5	...	9.5
Jafrabad*	401	446	-	-	-
Dhavanagar	59	59	-	-	-

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

@ At this port three vessels at a time are allowed to work and therefore vessel has to wait for the turn for working if they do not wish to work with private barger.

3.5.1 Physical Performance (1993-94 And 1994-95)

Maritime State/UT					
Port	No. of Vessel Left	Average Waiting Time (In Days)		Average Turn Round Time (In Days)	
		1993-94	1994-95	1993-94	1994-95
Karnataka					
Kavar	-				
Tadri	47				
Kundapura	29				
Mangarkatta	1				
Malpe	140				
Old Mangalore	587				
Delekeri	4				
Monavar	8				
Tamilnadu					
Cuddalore	9				
Rameshwaram	8				
Colachel	2				
Daman					
Orissa					
Gopalpur	11				
Maharashtra					
Uda Belapur	52				
Revdanda	14				
Ratnagiri	98				

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

3.5.2 Equipment Available At Various Minor Ports

Maritime State: UT: Andhra Pradesh

Equipment/Port	Kakinada			Machilipatnam		
	1993-94	1994-95	1993-94	1994-95	1993-94	1994-95
1. Dredgers	5	5	1	1		
2. Cranes						
(a) Upto 5 tons	-	1	-	-	-	-
(b) 6-10 tons	1	1	1	1	1	1
(c) above 10 tons	1	N11	-	-	-	-
3. Barger						
(a) Dumb(Hopper barge)	4	7	-	-	-	-
(b) Self-propelled	2	N11	-	-	-	-
(c) Water barges	-	2	-	-	-	-
4. Launches	2	8	2	2	2	2
5. Tugs	7	8	1	1	1	1

3.5.2 Equipment Available At Various Minor Ports

Maritime State/UT: Karnataka

Equipment/Port	Karwar	Honavar	Kundapura	Old Mangalore
	1993- 94	1994- 95	1993- 94	1994- 95
1. Dredgers	1	1	-	-
2. Cranes				
(a) Upto 5 tons	-	-	-	1
(b) 6-10 tons	-	-	-	-
(c) above 10 tons	3	-	-	1
3. Barger				
(a) Dumb	-	-	-	-
(b) Self-propelled	-	-	1	1
4. Launches	-	-	1	1
5. Tugs	1	1	1	1

3.5.2 Equipment Available At Various Minor Ports

Maritime State/UT: A & N Islands

Equipment/Port	Port Blair			Rangat			Mayabuunder			Diglipur		
	1993-94	1994-95		1993-94	1994-95		1993-94	1994-95		1993-94	1994-95	
1. Dredgers	-	-		-	-		-	-		-	-	
2. Cranes												
(a) Upto 5 tons	19			1	1		1	1		-	-	
(b) 6-10 tons	5			1	1		2	2		1	1	
(c) above 10 tons	2			-	-		-	-		-	-	
3. Barger	-	-		-	-		-	-		-	-	
(a) Dumb	-	-		-	-		-	-		-	-	
(b) Self-propelled	-	-		-	-		-	-		-	-	
4. Launches	-	-		-	-		-	-		-	-	
5. Tugs	-	-		-	-		-	-		-	-	

3.5.2 Equipment Available At Various Minor Ports

Maritime State/UT: A & N

Equipment/Port	Hut Bagar	Nancowry	Campbell	Kamorta
	1993- 94	1994- 95	1993- 94	1994- 95
1. Dredgers	-	-	-	-
2. Cranes				
(a) Upto 5 tons	3	3	-	3
(b) 6-10 tons	2	2	1	2
(c) above 10 tons	-	-	-	-
3. Barge	-	-	-	-
(a) Dumb	-	-	-	-
(b) Self-propelled	-	-	-	-
4. Launches	-	-	-	-
5. Tugs	-	-	-	-

3.5.2 Equipment Available At Various Minor Ports

Maritime State/UT: Tamil Nadu

Equipment/Port	Cuddalore		Nagapatnam		Rameshwaram		Kanya- Kumari	
	1993- 94	1994- 95	1993- 94	1994- 95	1993- 94	1994- 95	1993- 94	1994- 95
1. Dredgers	1	1	1	1	-	-	1	1
2. Cranes								
(a) Upto 5 tons	-	-	1	1	-	-	-	-
(b) 6-10 tons	1	1	-	-	-	-	-	-
(c) above 10 tons	-	-	-	-	-	-	-	-
3. Barger	-	-	-	-	-	-	-	-
(a) Dumb	-	1	1	-	2	1	-	-
(b) Self-propelled	-	-	-	-	-	-	-	-
4. Launches	2	2	1	-	1	1	3	3
5. Tugs	-	-	-	-	1	1	-	-

3.5.2 Equipment Available At Various Minor Ports

Maritime State/UT:

Equipment/Port	Daman		Pondicherry	
	1993-94	1994-95	1993-94	1994-95
1. Dredgers	-	-	2	2
2. Cranes				
(a) Upto 5 tons	-	-	5	-
(b) 6-10 tons	-	-	-	-
(c) above 10 tons	-	-	-	4
3. Barger	-	-	39	20
(a) Dumb	-	-	-	-
(b) Self-propelled	-	-	-	-
4. Launches	-	1	1	3
5. Tugs	-	-	-	-

3.5.2 Equipment Available At Various Minor Ports

Maritime State/UT:

Equipment/Port	Orissa		Maharashtra	
	Gopalpur			
	1993-94	1994-95	1993-94	1994-95
1. Dredgers	2	2	3	3
2. Cranes				
(a) Upto 5 tons	4	4	-	-
(b) 6-10 tons	2	2	-	-
(c) above 10 tons	-	-	-	-
3. Barger	6	6	1	1
(a) Dumb	6	6	-	-
(b) Self-propelled	4	4	4	4
4. Launches	3	3	-	-
5. Tugs	1	1	8	8

3.5.3 Draft At Ports as On 31st March ,1995

Maritime State/U.T. : Gujarat

Name of the Port	Inter-mediate/Minor	Max. Depth available at anchorage	Berth Type	No. of Berths by Existing Draft					Total
				Below 2 metres	2 - 4 metres	4 - 6 metres	6 metres above		
	1	2	3	4	5	6	7	8	9
Dahej	Minor	20 Mtrs	Wharf	-	-	-	1	-	1
Porbandar	Minor	7.0 Mtrs	Deep water Berth	-	-	-	1	-	1
Bodi	Inter-mediate	2 Mtrs	-	-	-	-	-	1	1
Roz(i(Sub-Port)	Inter-mediate	14 Mtrs	-	-	-	-	-	1	1
Sikka	Minor	-	RCC	-	-	-	-	1	1
Mandvi	Inter-mediate	1 mtrs	Wharf	-	-	2	-	-	2
Jakhau	Minor	9.3 mtrs	jetty wharf	-	-	1	-	-	1
Mundra	Minor	10 mtrs	Cement	-	-	1	-	-	1
Veraval	Inter-mediate	13-14 Mtrs.	Direct berth for small coaster with 3 mtrs draft	-	-	1	-	-	1

3.5.3 Draft At Ports as On 31st March 1995

Maritime State/U.T. : Gujarat

Name of the port	Inter-mediate/Minor	Max. Depth available at anchorage	Berth Type	No. of Berths by Existing Draft						Total
				Below 2 metres	2 - 4 metres	4 - 6 metres	6 metres above	8	9	
1	2	3	4	5	6	7	8			
Magdalla	Minor	15 Mtr.	RCC Jetty	-	2	-	-	-	-	2
Valsad	"	-	RCC Jetty ; Wharf Wall	1	-	-	-	-	-	1
Kolak	"	-	Fishing Jetty	1	-	-	-	-	-	1
Vansi Borsai	"	-	"	1	-	-	-	-	-	1
Onjal	"	-	"	1	-	-	-	-	-	1
Umargaon	"	-	"	1	-	-	-	-	-	1
Umarsadi	"	-	RCC Jetty	1	-	-	-	-	-	1
Billimora	"	-	Wooden Jetty	4	-	-	-	-	-	4

Maritime State/U.T. : Gujarat

- 228 -

3.5.3 Draft At Ports as On 31st March, 1995

Maritime State/U.T. : Gujarat

Name of the Port	Inter-mediate/Minor	Max. Depth available at anchorage	Berth Type	No. of Berths by Existing Draft						
				Below 2 metres	2 - 4 metres	4 - 5 metres	5 - 6 metres	6 - 7 metres	7 - 8 metres	Total
1	2	3	4	5	6	7	8	9		
Bhavanagar New Port	Inter-mediate	DWA	1) Concrete Jetty RCC piles with 1,000 mtrs available with dacking	-	-	1	-	-	-	1
				1	-	-	-	-	-	1
				-	-	1	-	-	-	1
Gogha	Minor	-	1 Jetty RCC	1	-	-	-	-	-	-
Jafrabad	Inter-mediate	14 mtrs Clinkers Jetty T shape Jetty		-	-	1	-	-	-	1
				-	-	1	-	-	-	1

3.5.3 Draft At Ports as On 31st March, 1995

Maritime State/U.T. : Tamil Nadu

Name of the Port	Inter-mediate/Minor	Max. Depth available at anchorage	Berth Type	No. of Berths by Existing Draft					Total
				Below 2 metres	2 - 4 metres	4 - 6 metres	6 metres above		
1	2	3	4	5	6	7	8	9	
1. Cuddalore	Inter-mediate	Open roadstead Ports - Any size of Vessel can be anchored in the mid stream.							
2. Nagapattinam	Inter-mediate	Open roadstead depth available according to draft of the vessel. Good anchorage is in 3 3/4 to 6 fathom.							
3. Rameswaram	Minor	2 Fathom	Open Roadstead						
4. Pamban	Minor	Vessel can anchor its Kundagal channel in depth 5.8 to 7 m small Vessel can anchor west of Kundagal Gat							
5. Colachel	Minor	12.80 mtrs.	Open Roadstead						
6. Valinokkam	Minor	About 12 mtrs.	Open Roadstead						
7. Kanyakumari	Minor	(No anchorage available at Kanyakumari Port operating)							

3.5.3 Draft At Ports as On 31st March, 1995

Maritime State/U.T. : Andhra Pradesh

Name of the Port	Inter-mediate/Minor	Max. Depth available at anchorage	Berth Type	No. of Berths by Existing Draft					Total
				Below 2 metres	2 - 4 metres	4 - 6 metres	6 metres above		
1	2	3	4	5	6	7	8	9	
1.Kakinada	Inter-mediate	12 mts working depth available	-	Open roadstead Port.					
2.Machilipatnam	Inter-mediate	Open anchorage							
3.Krishnapatnam	Minor	Open anchorage							
4.Nizampatnam	Minor	Open anchorage							
No berthing facilities are available.									
Diu									
Diu	Minor	10 Fathom	RCC Jetty	1	1	-	-	2	

3.5.3 Draft At Ports as On 31st March, 1995

Maritime State/U.T. : Maharashtra

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

3.5.3 Draft At Ports as On 31st March, 1995

Maritime State/U.T. : Maharashtra (Contd.)

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

3.5.3 Draft At Ports as On 31st March, 1995
Maritime State/U.T. : Maharashtra (Contd.)

Name of the Port	Inter- mediate/ Minor	Max. Depth available at anch- orage	Berth Type	No. of Berths by Existing Draft				Total
				Below 2 metres	2 - 4 metres	4 - 6 metres	6 metres above	
1	2	3	4	5	6	7	8	9
Bankot	Minor	-	L Type Jetty	-	1	-	-	1
Harnai	Minor	-	Stepping Jetty	1	-	-	-	1
Dabhol	Minor	-	T Type Jetty	-	-	-	-	1
Palshet	Minor	-	Stepping Jetty	1	-	-	1	1
Boriya	Minor	-	Stepping Jetty	-	-	-	-	1
Jaigad	Minor	-	1) T Type Jetty	-	-	1	-	1
		-	2) Stepping Jetty	1	-	-	1	1
Ratnagiri	Minor	-	I Type Jetty	-	-	-	-	1
Jaitapur	Minor	-	Padav Jetty	1	-	-	1	1
		-	Stepping Jetty	1	-	-	-	1
Vijaydurg	Minor	-	T Type Jetty	-	1	-	-	1
		-	Wharf	2	-	-	-	2

3.5.3 Draft At Ports as On 31st March, 1995

Maritime State/U.T. : Maharashtra (Contd.)

Name of the Port	Inter mediate/ Minor	Max. Depth available at anchorage	Berth Type	No. of Borths by Existing Draft						
				Below 2 metres	2 - 4 metres	4 - 6 metres	6 metres above	8 metres above	10 metres above	Total
1	2	3	4	5	6	7	8	9	10	
Deogad	Minor	-	T Type	-	1	-	-	-	-	1
Malvan	Minor	-	Jetty	1	-	-	-	-	-	1
Vengurla	Minor	-	1) Wharf Jetty	1	-	-	-	-	-	1
			2) Jetty	1	-	-	-	-	-	1
Redi	Minor	-	Jetty	-	3	-	-	-	-	3
Kiran Pani	Minor	-	Jetty	1	-	-	-	-	-	1
ORISSA										
Gopalpur	Minor	18 mtr	Open Road Stead Port	-	-	-	-	1	-	1
								(Above 9 Mtr.)		

3.5.3 Draft At Ports as On 31st March, 1995

Maritime State/U.T. : Karnataka

Name of the Port	Inter-mediate/ Minor	Max. Depth available at anchorage	Berth Type	No. of Berths by Existing Draft					Total
				Below 2 metres	2 - 4 metres	4 - 6 metres	6 metres above		
1	2	3	4	5	6	7	8	9	
Karwar	Inter-mediate	8 mt & above	RCC (Built-up wharf)	-	-	-	2	2	
Belekeri	Minor	Anchorage Open Sea		1	1	-	-	2	
Honavar	Minor	Open Sea Mooring	-	-	4	-	-	4	
Bhatkal	Minor	Berth Jetty Bunder Wharves	-	-	3	-	-	3	
Tadri	Minor	7	RCC(T) Shaped	1	-	-	-	1	
Kundapura	Minor	Outer Open Anchorage 9 mtrs	1 wharfs	-	-	2	1	3	

3.5.3 Draft At Ports as On 31st March, 1995

Maritime State/U.T. :Karnataka Cont.

Name of the Port	Inter-mediate/Minor	Max. Depth available at anchorage	Berth Type	No. of Berths by Existing Draft					
				Below 2 metres	2 - 4 metres	4 - 6 metres	6 metres above	Total	
1	2	3	4	5	6	7	8	9	
Malpe	Minor	4 mtrs		Along side wharf near wooden jetty					
Hangarkatta	Minor	6 mtrs	3 Jetty 2 Wharf	-	-	3	-	3	
Mangalore	Inter-mediate	3-5 mtrs	Open Road Shead Back water for sailing vessel. of 3mtrs.draft & Below						
Pondicherry	Minor	Open Anchorage	RCC piers	-	-	-	-	-	

New Ariankuppam Port projects
2 Mtrs. depth available at Ariankuppam Port Project
river channel for cargo import through wooden barges
from ship to shore which will be maintained through
out the year except monsoon season.

3.5.3 Draft At Ports as On 31st March, 1995

Maritime State/U.T. : Kerala

Name of the Port	Inter-mediate/Minor	Max. Depth available at anchorage	Berth Type	No. of Berths by Existing Draft					Total
				Below 2 metres	2 - 4 metres	4 - 6 metres	6 metres above		
1	2	3	4	5	6	7	8	9	
1. Kovalam-vizhinjam	Minor	App 15 mtrs		Along side wharf near wooden jetty					
2. Neendakra	Minor	Open anchorage port.							
3. Kozhikode including Beypore	Intermediate	No berth facility. A wharf of 152 mtrs length is available at Beypore port.							
4. Azhikkal	Minor	Wharf	-	-	1	-	-	-	1

SECTION -IV

GENERAL TABLES

4.1.1 State-Wise Navigational Aids And Berths At Ports As On 31.3.1995

Maritime States/ U.Ts.	General Light house	Light buoy	VHF/HF RT set.	Decca Navigator Chain	Radio Beacon	Racon	Light vessel	Launches	Light House Tender
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Gujarat	54	12	26	4	3	6	1	4	-
Maharashtra	16	-	4	-	2	-	-	-	1
Goa, Daman & Diu	2	-	-	-	1	-	-	-	-
Karnataka	5	-	2	-	1	-	-	-	-
Kerala	15	-	-	-	1	1	-	-	-
Tamilnadu	11	-	-	-	1	1	-	-	-
Pondicherry	1	-	-	-	1	-	-	-	-
Andhra Pradesh	12	-	-	-	3	-	-	-	-
Orissa	5	-	5	-	2	-	-	-	-
West Bengal	1	-	3	-	1	-	-	-	-
Andaman & Nicobar Islands	26	-	-	-	2	2	-	-	1
Lakshadweep	14	-	-	-	2	2	-	-	-
Total	162	12	40	4	20	12	1	4	2

Source :- Department of Lighthouses & Lightships.

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

(In Million Tonnes)

Country	Unloaded							Loaded					
	1989	1990	1991	1992	1993	1994	1989	1990	1991	1992	1993	1994	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	
Argentina	0.62	0.49	0.57	...	...	...	2.13	3.07	3.07	...	...	...	
Australia	2.91	2.60	2.77	3.09	3.36	...	23.01	23.99	26.61	26.33	27.68	...	
Belgium	6.50	7.39	5.58	7.41	...	...	4.06	4.17	2.42	4.76	...	...	
Brazil	4.77	...	...	...	...	...	13.40	...	...	...	...	...	
China	6.87	6.18	7.29	8.47	...	...	6.61	7.70	9.02	8.82	...	...	
Denmark	2.56	2.46	2.71	2.86	...	...	1.16	1.22	1.37	1.46	...	...	
Egypt	1.54	1.50	1.85	1.33	1.91	...	0.82	0.72	1.02	1.14	1.23	...	
Finland	2.80	2.90	2.69	2.58	2.71	3.22	1.87	2.00	2.22	2.67	2.66	2.97	
France	14.88	14.75	15.58	16.20	...	...	5.01	5.16	4.83	5.10	...	...	
Germany(FR)	7.75	8.13	8.53	9.83	9.95	10.40	3.94	3.69	3.71	4.63	4.80	5.42	
Greece	2.70	2.93	3.01	3.15	...	...	2.14	1.86	1.68	1.70	...	...	
Hongkong	4.27	4.36	5.16	4.78	5.69	6.84	1.87	1.87	2.19	2.27	2.32	2.86	
India	4.87	5.20	5.39	6.69	6.97	7.68	4.15	3.96	4.08	4.00	5.01	4.88	
Indonesia	2.35	2.57	2.91	3.00	3.02	3.90	8.68	9.13	9.45	12.63	15.35	18.92	
Italy	17.75	18.89	18.65	18.78	18.51	...	3.18	3.49	3.54	3.84	4.28	...	
Japan	58.60	59.30	60.43	58.97	60.14	62.62	6.76	7.03	7.49	8.34	8.78	9.27	
Korea(Rep.Of)	12.75	14.36	17.37	18.54	20.52	22.81	4.24	3.96	4.33	5.24	6.10	6.23	
Malaysia	2.27	2.44	2.63	2.75	3.07	3.68	1.53	1.56	1.50	1.64	1.75	1.96	
Mexico	3.73	3.74	4.14	4.34	4.38	4.39	9.40	11.03	10.27	10.45	10.52	10.81	
Netherlands	23.37	23.44	23.89	24.10	23.08	23.92	7.72	7.65	7.54	7.42	7.37	7.34	
Norway	1.51	1.58	1.56	1.53	1.66	1.84	6.91	7.43	7.27	8.48	9.12	10.43	

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

(In Million Tonnes)

Country	Loaded												
	Unloaded												
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(13)
Panama	5.35	5.59	5.27	5.27	5.18	5.88	7.63	7.89	8.34	8.20	8.42	8.81	8.81
Philippines	2.39	2.64	2.53	2.84	...	...	1.09	1.18	1.18	1.07	...	...	...
Poland	1.42	1.04	1.08	1.27	1.28	1.13	2.28	2.56	2.08	2.11	2.65	2.83	2.83
Singapore	8.11	8.85	9.71	11.37	13.25	13.71	6.30	6.80	7.48	8.44	9.56	10.47	10.47
South Africa	1.13	...	...	...	...	...	7.99	...	...	...	...	...	...
Spain	9.73	10.16	10.86	11.16	10.80	11.19	3.31	3.36	3.36	3.40	3.62	4.02	4.02
Sweden	4.66	4.58	4.46	4.61	4.82	5.21	3.68	3.72	3.79	3.91	4.02	4.26	4.26
Turkey	3.62	4.59	6.41	4.35	5.14	...	11.51	5.28	3.51	2.21	1.91	...	...
United Kingdom	14.03	14.17	14.30	14.69	14.59	14.80	9.57	10.37	10.69	11.15	12.60	14.52	14.52
United States	41.16	41.27	37.41	40.29	44.89	49.84	31.76	31.00	32.46	32.69	30.01	28.36	28.36
Yugoslavia	1.76	1.32	0.85	...	...	...	0.65	0.73	0.71	...	...	...	...

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

4.1.3 Estimated Share Of Foreign Trade By Sea In Total Foreign
Trade Of India By All Modes Of Transport During
1981-82 TO 1995-96

(Value in Rs.Crores)

Year	Total exports including Re-exports	Share in Exports (in per- centage)	Total Imports	Share in Imports (in per- centage)	Share of Sea borne trade to total Foreign Trade (in percentage)
(1)	(2)	(3)	(4)	(5)	(6)
1981-82	7806	79.2	13606	91.9	87.2
1982-83	8803	79.0	14293	86.5	83.7
1983-84	9771	74.4	15831	85.4	81.2
1984-85	11744	77.3	17134	87.7	83.6
1985-86	10895	71.7	19658	87.9	82.2
1986-87	12569	65.8	20201	82.7	76.1
1987-88	15674	62.1	22244	77.2	71.0
1988-89	20232	59.7	28235	72.9	67.4
1989-90	27681	59.5	35416	69.6	65.2
1990-91	32553	67.3	43193	81.1	75.1
1991-92	44042	66.6	47851	80.8	74.0
1992-93	53688	64.9	63375	78.0	72.0
1993-94	69751	66.1	73101	96.0	81.4
1994-95 (P)	82673	64.3	89971	79.8	72.4
1995-96 (P)	106465	64.2	121647	81.9	73.7

Source:

i) Ministry of Commerce.

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

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

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

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

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

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

Commodities	US\$ million	
	1994-95	1995-96
	% Change	
Petroleum and Products	5929.5	7548.1
Non-electrical machinery	2728.6	3964.9
Project goods	1854.2	2254.0
Pearls and Precious Stones	1630.1	2087.3
Electronic goods	1228.4	1748.7
Organic chemicals	1382.4	1720.6
Fertiliser manufactured	764.1	1323.9
Iron and Steel	1082.3	1376.0
Transport Equipment	1113.9	1083.6
Non-ferrous metals	718.1	909.2
Edible Oil	198.9	553.6
Metaliferrous ores and metal scrap	748.3	786.6
Coal, coke & briquettes	708.6	901.4
Inorganic chemicals	755.3	857.8
Artificial resins, plastic materials	606.4	816.3
Gold & Silver	712.8	814.4
Professional's Instrument, optical goods	492.0	663.2
Cashew nut	220.2	224.3
Pulp & waste paper	202.4	275.3
Wood & wood products	224.2	247.3
Textile yarn fabrics, madeups	329.7	358.1
Medicinal & pharm products	298.6	364.4
News Print	155.1	301.0
Manufactures of metals	206.3	286.6
Machine tools	213.7	373.0
Electrical machinery	251.5	380.9
Others	3906.6	4100.6
Total (including other items)	28662.2	36421.1
		27.1

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

	Rupees Lakh		Million US\$		Trade Balance	%Change 1995-96/1994-95	
	Imports	Exports	Imports	Exports		Imports	Exports
	Imports	Exports	Imports	Exports		Imports	Exports
AFRICA	664426	565282	1989.3	1692.5	-296.8	30.26	68.58
South Africa	81179	111371	243.0	333.4	90.4	57.06	112.97
Kenya	4911	81668	14.7	244.5	229.8	6.42	99.23
Egypt	24256	54115	72.6	162.0	89.4	-68.19	35.20
Nigeria	257266	49837	770.3	149.2	-621.0	81.69	36.69
Mauritius	2900	45463	8.7	136.1	127.4	465.64	19.50
Tanzania	32100	27007	96.1	80.9	-15.3	76.88	22.94
Ivory Coast	14248	12913	42.7	38.7	-4.0	53.19	658.36
Senegal	6145	12616	18.4	37.8	19.4	43.91	648.92
Uganda	223	12407	0.7	37.1	36.5	275.25	10.13
Zambia	20207	11481	60.5	34.4	-26.1	10.55	23.95
Ethiopia	227	11351	0.7	34.0	33.3	-44.93	17.08
Zaire	11782	11263	35.3	33.7	-1.6	14.75	105.13
Mozambique	6779	10982	20.3	32.9	12.6	182.25	79.88
Sudan	5026	10571	15.0	31.6	16.6	11.62	93.32
Morocco	99969	8965	299.3	26.8	-272.5	8.69	109.25
Ghana	8619	8878	25.8	26.6	0.8	137.21	29.96
Canaray Is	-	8351	-	25.0	25.0	-	-
Togo	1853	7970	5.6	23.9	18.3	18.05	21.32
Sierra Leone	-	7498	-	22.4	22.4	-	249.93
Zimbabwe	5603	5265	16.8	15.8	-1.0	60.68	105.92
Liberia	-	4753	-	14.2	14.2	-	858.47
Malawi	813	4742	2.4	14.2	11.8	-	36.78
Mali	63	4516	0.2	13.5	13.3	-	342.44
Burundi	29	4423	0.1	13.2	13.2	-79.52	114.56
Benin	4986	4196	14.9	12.6	-2.4	165.73	76.06
Angola	-	3258	-	9.8	9.8	-	-
Tunisia	28880	2912	86.5	8.7	-77.7	-4.53	52.11
Algeria	772	2885	2.3	8.6	6.3	-90.65	23.14
Libya	29278	2881	87.7	8.6	-79.0	138.41	157.01
Guinea	59	2267	0.2	6.8	6.6	-13.23	145.07
Malagasy Rep.	462	2157	1.4	6.5	5.1	-43.85	80.37
Somalia	248	2029	0.7	6.1	5.3	-9.57	-

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

	Rupees Lakh		Million US\$		%Change 1995-96/1994-9	
	Imports	Exports	Imports	Exports	Imports	Exports
AMERICA	1593413	2074927	4770.7	6212.4	1441.7	20.70 9.95
U S A	1280524	1845754	3834.0	5526.0	1692.0	31.91 10.04
Canada	125136	102292	375.0	306.0	-68.0	41.10 14.75
Brazil	83993	30184	251.0	90.0	-161.0	-54.16 9.12
Chile	29451	19804	88.0	59.0	-29.0	119.53 121.35
Mexico	19439	18320	58.0	55.0	-3.0	45.39 -29.93
Argentina	41721	12545	125.0	38.0	-87.0	71.05 -24.03
Panama	309	8850	1.0	26.0	26.0	-
Peru	1483	7946	4.0	24.0	19.0	-
Colombia	2870	6001	9.0	18.0	9.0	-83.08 130.96
Uruguay	870	3757	3.0	11.0	9.0	-14.87 17.48
Venezuela	2190	3509	7.0	11.0	4.0	-31.30 -10.50
Paraguay	43	2955	0.0	9.0	9.0	22.01 22.01
Netherlands Antilles	198	2181	1.0	7.0	6.0	-79.27 -4.24
Trinidad	112	1477	-	4.0	4.0	-5.55 -
Dominican Rep	-	1238	-	4.0	4.0	22.22 55.29
ASIA	2663019	3208280	7973.0	9606.0	1633.0	26.34 26.47
Japan	806138	741391	2414.0	2220.0	-194.0	18.29 9.50
Hong Kong	128491	608100	385.0	1821.0	1436.0	34.00 19.95
Bangladesh	28214	346991	84.0	1039.0	954.0	121.25 61.11
Singapore	369215	304845	1105.0	913.0	-193.0	22.83 18.46
Indonesia	156499	221187	469.0	662.0	194.0	45.38 138.42
Thailand	56288	158644	169.0	475.0	306.0	-1.82 16.79
South Korea	266066	147486	796.0	442.0	-355.0	26.61 32.79
Sri Lanka	14583	133562	44.0	400.0	356.0	42.04 9.05
Malaysia	296174	131105	887.0	393.0	-494.0	80.89 36.98
China	273284	109744	818.0	329.0	-490.0	7.51 29.21

%Change 1995-96/1994-95

	Imports	Exports	Imports	Exports	Trade Balance	Imports	Exports
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- 248 -

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

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

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

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

Note : Region-wise totals may not add up to grand total as it excludes trade with unspecified countries and POL exports

(Source : Monthly Review of the Indian Economy May 1996 CMIE)

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

Port	1993-94 (%)			1994-95 (%)		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)
MAJOR PORTS	47.2	18.1	34.1	40.8	17.5	30.9
Kandla	47.9	5.3	41.0	46.6	5.8	40.5
Mumbai	44.8	40.4	43.1	30.4	45.2	35.8
J.N.P.T.	17.6	1.6	11.9	19.3	3.1	13.3
Mormugao	7.7	6.1	6.3	13.0	4.0	5.0
N. Mangalore	23.9	14.5	15.3	10.8	9.4	9.6
Cochin	56.6	4.5	41.4	57.2	16.6	47.5
Tuticorin	17.5	8.5	13.3	20.3	13.2	17.7
Madras	49.8	24.1	36.9	45.5	10.6	29.1
Vizag	59.5	19.3	43.0	46.4	21.5	36.8
Paradip	32.7	49.9	40.8	48.7	52.1	50.3
Haldia	61.8	32.0	61.1	55.6	7.3	54.6
Calcutta	15.1	13.5	14.4	8.5	9.4	8.9
MINOR PORTS	22.3	7.6	13.1	21.0	14.3	17.6
All Ports	45.9	17.0	32.5	39.5	17.2	29.9

4.1.8 Outlay / Expenditure in Port Sector (Central) During Eighth Plan
And Annual Plan/Expenditure

(Rs. In Crores)

Ports	VIII Th	1992-93		1993-94		1994-95		1995-96		1996-97	
	Plan (1992-97) Outlay	Actual Expdr.	Outlay	Actual Expdr.	Outlay	Actual Expdr.	Outlay	Actual Expdr.	Outlay	Anticipated Expdr.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Kandla	226.00	40.00	11.24	37.78	8.61	30.00	17.43	30.92	13.16	35.00	35.00
Mumbai	413.00	70.43	26.09	86.00	44.59	50.00	46.57	143.61	43.67	74.60	74.60
J.L. Nehru	215.00	57.30	26.92	63.00	15.25	35.00	25.12	55.24	40.78	68.00	68.00
Mormugao	123.00	11.76	9.13	13.00	22.67	30.00	20.56	27.28	13.86	12.50	12.50
New Mangalore	98.00	4.91	2.79	6.00	3.28	40.00	24.42	107.44	111.81	40.00	40.00
Cochin	117.00	42.17	25.94	47.00	18.15	60.00	16.85	50.00	22.94	7.00	7.00
Tuticorin	65.00	17.05	7.49	19.00	11.39	19.50	23.42	23.10	15.40	30.00	30.00
Madras	570.00	34.89	18.31	23.56	19.88	50.00	33.69	92.59	54.70	115.00	115.00
Visakhapatnam	250.00	65.57	45.84	71.00	42.19	40.00	37.43	53.00	25.63	45.00	45.00
Paradip	486.00	67.00	28.36	75.00	39.21	40.00	37.49	77.93	66.51	107.00	107.00
Calcutta*	421.00	130.58	51.33	143.00	45.77	40.00	27.56	60.32	20.80	42.50	42.50
Others **	232.00	71.10	20.58	37.20	18.96	40.50	23.82	92.70	42.44	55.00	53.00
TOTAL	3216.00	612.76	274.02	621.54	289.95	475.00	334.36	814.13	471.70	631.60	629.60

* Includes Haldia, RR Scheme.

** Constitute DCI, ALHW, R & D, MPSC.

Source: Report of the Working Group for Port Sector for the Ninth Five Year Plan (1997-2002)

4.1.9 Outlay And Expenditure On Minor Ports

(Rs. In Crores)

	Central Scheme	State/Union Territories	Total
1	2	3	4
I Plan 1951-56	-	1.62	1.62
II Plan 1956-61	-	4.78	4.78
III Plan 1961-66	-	8.66	8.66
Annual Plans 1966-69	-	6.92	6.92
IV Plan 1969-74	20.00 5.01	15.00 12.26	35.00 17.27
V Plan 1974-79	22.38 8.15	23.77 17.56	46.15 25.71
1978-79	2.04	8.16	10.20
1979-80	2.30 20.00	6.21 72.18	8.51 92.18
VI Plan	- 1.00	10.92 125.63	10.92 126.63
VII Plan	20.00 -	162.50 48.18	182.50 48.18

4.1.9 Outlay And Expenditure On Minor Ports

(Rs. In Crores)

1	2	3	4
	Central Scheme	State/Union Territories	Total
1990-91	Outlay	40.73	40.73
	Expenditure	50.26	50.26
1991-92	Outlay	40.57	40.57
	Expenditure	38.42	38.42
VIII Plan	Outlay	340.58	340.58
1992-97			
1992-93	Outlay	59.79	59.79
1993-94	Outlay	54.93	54.93
	Expenditure	68.92	68.92
1994-95	Outlay	78.58	78.58
1995-96	Outlay	67.27	67.27

4.1.10 Container Throughput At The World's Top 100 Container Ports

(In TEUs)

Sl.No	Name of the Port	1995	1994	% Change	1996(e)
1	HONG KONG	12563000	11050030	13.7	
2	SINGAPORE	11850000	10400000	13.9	
3	KAH SIUNG	5053183	4899879	3.1	5570469
4	ROTTERDAM	4789000	4539000	5.5	
5	PUSAN	4500000 e	3825035	17.6	5200000
6	HAMBURG	2900000	2727718	6.3	
7	LONG BEACH	2800000	2600000	7.7	
8	YOHAMA	2703000	2317103	16.7	2600000
9	LOSANGELES	2560000	2520000	1.6	
10	ANTWERP	2329135	2208173	5.5	2500000
11	NY/NJ	2218000	2033000	9.1	2320000
12	KELLUNG	2165193	2046589	5.8	2339220
13	DUBAI	2073081	1881990	10.2	
14	FLEIXSTOWE	1923936	1746653	10.1	
15	TOKYO	1844423 e	1805401	2.2	1900000
16	SANJUAN	1539374	1532842	0.4	1545200
17	BREMEN	1530000 e	1501865	1.9	
18	OKLAND	1530000	1200000	27.5	
19	SHANGHAI	1526000	1199000	27.3	1800000
20	SEATTLE	1500000	1415000	6.0	
21	NAGOYA	1470000 e	1224422	20.1	
22	BANGKOK	1463000 ++	1337000	9.4	
23	KOBE	1455000	2915853	-50.1	1380000
24	T PRIOK	1400000	1164132	20.3	2700000
25	ALGECIRAS	1154714	1003528	15.1	1700000
26	KLANG	1130000	944000	19.7	1350000
27	HAWAII	1126784	1170372	-3.7	1780000
28	TACOMA	1080263	1028000	5.1	1149319
29	OSAKA	1080000 **	654786	64.9	1151000
30	LA SPEZIA	1060000	816000	29.9	900000
31	HAMPTON ROADS	1050000	894066	17.4	1145000
32	COLOMBO	1040000 e	972642	6.9	
33	CHARLESTON	981627 ++	838295	17.1	1164000
34	LE HAVRE	920000	875000	5.1	984000
35	DURBAN	887293 -	777000	14.2	949000

4.1.10 Container Throughput At The World's Top 100 Container Ports

(In TEUs)

S1.No	Name of the Port	1995	1994	% Change	1996(e)
36	MELBOURNE	883977	802552	10.1	
37	SANTOS	817848	614168	33.2	
38	JEDDAH	776855	736814	5.4	815820
39	MONTREAL	726435	728799	-0.3	
40	MANILA	708191	671140	5.5	
41	HOUSTAN	705367	578693	21.9	778996
42	TIANJIN	700000	630000	11.1	
43	BARCELONA	685000	523000	31.0	720000
44	SOUTHAMPTON	682811	586941	16.3	
45	SYDNEY	670000	583000	14.9	850000
46	MIAMI	656175	629259	4.3	
47	VALENCIA	640000	467000	37.0	705000
48	GENOA	610000	512000	19.1	
49	SAVANNAH	606045	549423	10.3	
50	QINGDAO	603018	430185	40.2	650000
51	PIRAEUS	590000	500000	18.0	
52	KHORFAKKAN	581418	433806	34.0	
53	DAMietta	569525	520190	9.5	600000
54	FUJAIRAH	560000	694000	-19.3	650000
55	ZEEBRUGGE	555000	609307	-8.9	700000
56	BALTIMORE	547475	508997	7.6	
57	BUENOS AIRES	540000	500000	8.0	
58	JACKSONVILLE	529547	479047	10.5	550000
59	LEAM CHABANG	524724	379731	38.2	
60	MARSAXLOK	514767	383060	34.4	760800
61	KARACHI	513000	510000	0.6	
62	HAIFA	512000	430000	19.1	528000
63	VANCOUVER	500000	494000	1.2	
64	BOMBAY	500000	486993	2.7	525000
65	MARSEILLES	500000	437000	14.4	550000
66	T PERAK	460500	362100	27.2	
67	KITAKYUSHU	450000	373694	20.4	
68	TAICHUNG	435718	360837	20.8	
69	EVERGLADES	422066	251743	67.7	522861

4.1.10 Container Throughput At The World's Top 100 Container Ports

		(In TEUs)		
Sl.No	Name of the Port	1995	1994	% Change
				1996(e)
70	GOTEBORG	400000 e	400000	0.0
71	LEGHORN	400000 e	371173	7.8
72	LIMASSOL	385000 e	372000	3.5
73	KINGSTON	384339	340095	13.0
74	AUCKLAND	380964	341168	11.7
75	HALIFAX	380000	311097	22.1
76	LIVERPOOL	379000	367000	3.3
77	DALIAN	374000	305000	22.6
78	PEURTO LIMON	363087	360873	0.6
79	ASHDOD	339000	305000	11.1
80	LAS PALMAS	334120	313909	6.4
81	PORTLAND	330000	317961	3.8
82	TILBURY	320504 *	370122	-13.4
83	JOHOR	310000	238000	30.3
84	BILBAO	302600	267653	13.1
85	CAPETOWN	297000 -	224000	32.6
86	HAKATA	296642	238304	24.5
87	HELSINKI	291441	299346	-2.6
88	DUBLIN	290000	262000	10.7
89	DAMMAN	278099 e	287125	-3.1
90	LISBON	272740	272175	0.2
91	PUERTO CORTES	252127	218823	15.2
92	HAYDARPASA	252000 e	179831	40.1
93	MANZANILLO	187000 @	NA	
94	CHITTAGONG	254417	204739	24.3
95	ALEXANDRIA	244659	216829	12.8
96	NHAVA SHEVA	244070 -	173071	41.0
97	ZHUHAI	243633	260611	-6.5
98	PENANG	240581	212581	13.2
99	AARHUS	240000 e	233000	3.0
100	BRISBANE	232873	206082 e	13.0

Notes * Includes Tilbury Container Services and Port of Tilbury Container Terminal

** Osaka excluded empty containers from its count ; + Based on Jan-Nov figures ; ++ Year to Sept 30 1995 @ Apr-Dec 1995, included in this position to acknowledge equivalent 12 month throughput ; - Financial year ending March 31

Source : Top 100 Container ports March 1996 - a cargo System Supplement.

4.1.11 List Of Important International Ports For Total Traffic

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

List of Important International Ports - Container Traffic

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

4.1.12 Transport Sector - Outlay And Expenditure Under The Plans

(Rs. 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 (1993-94)	Annual Plan (1994-95)	Annual Plan (1995-96)	Anticipated Expenditure
	Out- lay	Expen- diture	Out- lay	Expen- diture	Out- lay	Expendi- ture	Outlay	Expendi- ture	Outlay
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1. Railway	2202	2063	5100	6585	12334	16549	27202	5710	6182
2. Roads	1353	1701	3439	3887	5200	6335	12833	2271	2297
3. Road Transport	461	503	1196	1276	1990	2151	4119	641	551
4. Ports (including minor ports)	571	488	647	725	1230	1513	3557	674	318
5. Shipping	450	469	755	468	827	720	3669	1296	384
6. I.W.T.	32	16	72	63	226	188	331	56	19
7. Light Houses & Light ships.	14	9	12	4	30	4	57	25	5
8. Civil Air Transport	337	294	859	957	758	1948	4083	1050	882
9. Other Transport *	-	-	-	-	49	72	239	33	32
10. Total Transport Sector	5420	5543	12080	13961	22644	29476	56090	11756	10650
11. Share of Ports & LH & LS in the transport sector	10.8%	9.0%	5.5%	5.2%	5.6%	5.1%	6.4%	5.9%	3.0%

* : Included in Ports.

* : Farakka Barrage & Hooghly River Training projects.

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

4.1.13 India's Overseas Trade During 1995-96 (Flag-Wise)

(In Million Tonnes)

Trade	Indian Lines	Foreign Lines	Total
<u>GENERAL CARGO</u>			
Export	2.19 (9.7%)	20.42 (90.3%)	22.61(100%)
Import	1.46 (10.1%)	12.99 (89.9%)	14.45(100%)
Total	3.65 (9.8%)	33.41 (90.2%)	37.06(100%)
<u>DRY BULK</u>			
Export	3.26 (8.5%)	35.23 (91.5%)	38.49(100%)
Import	7.36 (24.9%)	22.17 (75.1%)	29.53(100%)
Total	10.62 (15.6%)	57.40 (84.4%)	68.02(100%)
<u>POL/PRODUCTS & OTHER</u>			
<u>LIQUIDS</u>			
Export	5.82 (63.0%)	3.42 (37.0%)	9.24(100%)
Import	24.66 (49.7%)	24.93 (50.3%)	49.59(100%)
Total	30.48 (51.8%)	28.35 (48.2%)	58.83(100%)
<u>GRAND TOTAL</u>			
Export	11.27 (16.0%)	59.05 (84.0%)	70.34(100%)
Import	33.48 (35.8%)	60.09 (64.2%)	93.57(100%)
Total	44.75 (27.3%)	119.16 (72.7%)	163.91(100%)

Source : Major and Minor Ports

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 craneage and cargo handling (and also pilferage) and permitting a quick turn round of the ships.
10. Berth-Day
: A day of occupation of a berth (quay or mooring) by a ship.
11. Ship-Day
: A day spent in harbour by a ship.
12. Turn-Round Time
: Total time spent by a ship since its entry till its departure.
13. Port Dues
: A levy of port authority on a ship.
14. Pilotage
: A port charge for guiding a ship in or out of a harbour through channels, passages or other waters by an authorised pilot.
15. Output per Berth Day
: Total tonnage handled distributed over the total number of berth days.
16. Idle Time
: Non-working time of a ship (without loading or unloading of cargo) at Berth.
17. Pre-berthing detention
: The time which a ship waits before getting entry into a berth.
18. Berth Occupancy
: The time which a berth is occupied (by ships).
19. Export
: Loaded overseas traffic.
20. Import
: Unloaded overseas traffic.
21. Traffic
: A scalar with only magnitude but no direction such as the total of exports and imports or loaded and unloaded cargo.
22. Traffic flows
: A vector with magnitude and direction such as passengers embarked/dismarked or cargo exports/imports.