

# भारत के मूल पत्तन आंकड़े

## BASIC PORT STATISTICS OF INDIA

### 2017-18



परिवहन अनुसंधान प्रभाग  
TRANSPORT RESEARCH WING  
पोत परिवहन मंत्रालय  
MINISTRY OF SHIPPING  
भारत सरकार  
GOVERNMENT OF INDIA  
नई दिल्ली  
NEW DELHI

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## P R E F A C E

The Transport Research Wing (TRW) of Ministry of Shipping brings out the 'Basic Port Statistics of India' (BPS) as an annual publication. This is a premier source of information on the port performance in the country (covering both Major & Non-Major Ports) and provides consistent and comparable time series data in an analytical perspective.

2. The present issue, Basic Port Statistics of India 2017-18 is divided into three Sections. **Section-I** gives performance of the Indian Port Sector in terms of cargo traffic & performance indicators in the backdrop of India's broad macro performance and global developments. **Section-II** contains key tables presented in Five Parts and; **Section-III** contains the Appendices; which include a brief on the organization of Major Ports and the definitions of terms used in the port sector.

3. We gratefully acknowledge the co-operation of Major Ports, various State Maritime Boards/State Governments and the Indian Ports Association for providing us with necessary information for inclusion in the publication. The final form of publication owes to the combined and committed efforts put in by the officers and staff of Transport Research Wing.

New Delhi  
April 1, 2019

  
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## **Abbreviation Used**

...	Not Available
-	Nil
ALHW	Andaman & Lakshadweep Harbour Works
ChPT	Chennai Port Trust
Conv.	Conventional
CoPT	Cochin Port Trust
DCI	Dredging Corporation of India
DLB	Dock Labour Board
DWT	Dead Weight Tonnage
EDC	Ethylene Dichloride
FLT	Fork Lift Truck
FO	Furnace Oil
FRM	Fertiliser Raw Material
GAPL	Gujarat Adani Ports Ltd.
GPPL	Gujarat Pipavav Port Ltd.
GRT	Gross Registered Tonnage
HDC	Haldia Dock Complex
HR Coil	Hot Rolled Coil
HSD	High Speed Diesel
ICD	Inland Container Depot
JNPT	Jawahar Lal Nehru Port Trust
KDS	Kolkata Dock System
KoPT	Kolkata Port Trust
KPT	Kandla Port Trust
L	Loaded
LDO	Light Diesel Oil
LH&LS	Light House & Light Ships
LOA	Length Overall
MbPT	Mumbai Port Trust
MoPT	Mormugao Port Trust
MOU	Memorandum of Understanding
MPSO	Minor Ports Survey Organisation
Mech.	Mechanical
Neg./N	Negligible
NMPT	New Mangalore Port Trust
NSICT	Nhava Sheva International Container Terminal
P	Provisional
POL	Petroleum, Oil & Lubricant
PPT	Paradip Port Trust
R&D	Research & Development
RCC	Reinforced Cement Concrete
RMQC	Rail Mounted Quay Crane
Ro-Ro	Roll On-Roll Off
RTG/RTGC	Rubber Tyred Gantry Crane
SKO	Superior Kerosene Oil
SPM	Single Point Mooring
T	Tonnes
TEU	Twenty Tonnes Equivalent Unit
TLT	Top Lift Truck
TPT	Tuticorin Port Trust
UL	Unloaded
VPT	Visakhapatnam Port Trust

# **SECTION – I**

## ***MACRO ECONOMIC DEVELOPMENT AND PERFORMANCE OF INDIAN PORTS - HIGHLIGHTS***

# **A . GLOBAL ENVIRONMENT & SEA-BORNE TRADE**

## **1. Overview of World Economic Trends Related to Seaborne Trade**

1.1 World growth strengthened in 2017 to 3.7 percent compared to 3.3 percent in 2016, with a notable rebound in global trade. It was driven by an investment recovery in advanced economies, continued strong growth in emerging Asia, a notable upswing in Europe, and signs of recovery in several commodity exporters. Global growth is expected to tick up to 3.9 percent in 2018, supported by strong momentum, favorable market sentiment, accommodative financial conditions, and the domestic and international repercussions of expansionary fiscal policy in the United States (International Monetary Fund, April, 2018).

1.2 Economic activity in 2017 ended on a high note—growth in the second half of the year was above 4 percent, the strongest since the second half of 2010, supported by a recovery in investment. Outcomes exceeded the October 2017 *World Economic Outlook* forecasts in the euro area, Japan, the United States, and China, and continued to improve gradually in commodity exporters. However, in many countries inflation remains weak, indicating that slack has yet to be eliminated, and prospects for growth in GDP per capita are held back by weak productivity growth and rising old-age dependency ratios. Prospects for many emerging market and developing economies in sub-Saharan Africa, the Middle East, and Latin America are lackluster, with several economies experiencing stagnant per capita incomes. Financial conditions remain supportive, despite the recent volatility in equity markets and increases in bond yields following signs of firming inflation in advanced economies.

1.3 Economic performance across emerging market and developing economies has remained mixed. Whereas China's growth remained strong, reflecting continued policy support, activity has slowed in India because of the impact of the currency exchange initiative, as well as in Brazil, which has been mired in a deep recession. Activity remained weak in fuel and nonfuel commodity exporters more generally, while geopolitical factors held back growth in parts of the Middle East and Turkey.

1.4 World seaborne trade continues to be largely determined by developments in the world economy and trade. Although the relationship between economic output and merchandise trade seems to be shifting, with an observed decline in the growth ratio of trade to gross domestic product (GDP) over recent years, demand for maritime transport services remains heavily dependent on the performance of the world economy. While industrial activity, economic output, merchandise trade and seaborne trade shipments may be growing at different speeds, these variables remain, nevertheless, positively correlated, on factors relating to the index of industrial production of the Organization for Economic Cooperation and Development (OECD) and world indices (Review of Maritime Transport, November, 2017).

1.5 Weakness in trade flows affected developed and developing economies alike; yet, some differences in regional performance were observed. As per the Review of Maritime Transport, 2017 UNCTAD, Developed economies' exports increased at a slower rate (1 per cent) in 2016, compared with 2015 (2.1 per cent). Their import demand decelerated to 2.7 per cent, down from 3.3 per cent in 2015. UNCTAD forecasts world seaborne trade to increase by 2.8 per cent in 2017, with total volumes reaching 10.6 billion tonnes. Projections for the medium term also point to continued expansion, with volumes growing at an estimated compound annual growth rate of 3.2 per cent between 2017 and 2022. Cargo flows are set to expand across all segments, with containerized and major dry bulk commodities trades recording the fastest growth.

1.6 Maritime transport is the backbone of globalization and lies at the heart of cross-border transport networks that support supply chains and enable international trade. An economic sector in its own right that generates employment, income and revenue, transport – including maritime transport – is cross-cutting and permeates other sectors and activities. Maritime transport enables industrial development by supporting manufacturing growth; bringing together consumers and intermediate and capital goods industries; and promoting regional economic and trade integration.

1.7 World merchandise trade underperformed in 2016 with volumes (that is, trade in value terms but adjusted to account for inflation and exchange rate movements), expanding by a modest 1.9 per cent (average growth rate of imports and exports), up from 1.7 per cent in 2015.

But in the year 2017; International seaborne trade gathered momentum, with volumes expanding by 4 percent. This was the fastest growth in five years. Reflecting the world economic recovery and improved global merchandise trade, UNCTAD estimates world seaborne trade volumes at 10.7 billion tons in 2017 (**table 1**). Dry bulk commodities have powered nearly half of the volume increase.

<b>Table 1 : Developments in International Seaborne Trade</b>				
<b>(Million Tonnes Loaded)</b>				
<b>Year</b>	<b>Oil</b>	<b>Main Bulk#</b>	<b>Other Dry Cargo</b>	<b>Total</b>
2000	2163	1295	2526	5984
2007	2747	1840	3447	8034
2008	2742	1946	3541	8229
2009	2642	2022	3194	7858
2010	2772	2259	3378	8409
2011	2794	2392	3599	8785
2012	2841	2594	3762	9197
2013	2829	2761	3924	9514
2014	2825	2988	4030	9843
2015	2932	2961	4131	10024
2016	3055	3041	4193	10289
2017	3146	3196	4360	10702

# Main bulk includes data on Iron ore, grain, coal, bauxite/alumina and phosphate rock  
Source: Review of Maritime Transport, 2018, UNCTAD

1.8 Seaborne dry cargo shipments totalled 7.56 billion tonnes (Main bulk & Dry cargo) in 2017, reflecting an increase of 4.5% over the previous year (**Table 1**). The share of the major bulk commodities (coal, iron ore, grain and bauxite/alumina/phosphate rock) amounted to about 42.3% of total dry cargo volumes which were estimated to 7.6 billion tonnes in 2017. Containerized trade and minor bulks represents 24.3% and 25.4% respectively of the total dry bulk cargo. Remaining volumes were accounted for 'other' dry cargo, namely break bulk shipments.

1.9 Tanker trade shipments accounted for less than one third of total seaborne trade volume, in line with the persistent shift in the structure of seaborne trade observed over the past four decades. The share of tanker trade dropped from around 55 per cent in 1970 to 29.4 per cent in 2017. Between 1980 and 2017, global tanker trade expanded at an annual average growth rate of 1.4 per cent, while major dry bulks rose by 4.6 per cent. The fastest growing segment was

containerized trade, with volumes expanding over nearly four decades at an annual average growth rate of 8.1 per cent.

1.10 Developing countries continue to account for most global seaborne trade flows, both in terms of exports (goods loaded) and imports (goods unloaded). These countries shipped 60 per cent of world merchandise trade by sea in 2017 and unloaded 63 per cent of this total. By contrast, developed countries saw their share of both types of traffic decline over the years, representing about one third of world seaborne imports and exports (34 per cent of goods loaded and 36 per cent, unloaded). Transition economies continue to be heavily reliant on the export of bulky raw materials and commodities (6 per cent), while they hold a marginal share of global seaborne imports (1 per cent).

## **2. Seaborne Trade by Cargo Type**

### **Crude Oil and Petroleum Products**

2.1 The year 2017 witnessed the geographical dispersion of Oil trade, as Oil trade patterns became less centred on usual suppliers from Western Asia and benefited from increased trade flows from the Atlantic basin to East Asia. These trends have supported and boosted long-haul tankers demand. Crude oil seaborne trade expanded at a slower pace 2.4 percent in 2017 as compared with stronger growth 4 percent in 2016 (UNCTAD). UNCTAD estimated the World crude oil trade in 2017 at 1.87 billion tons, supported by increasing exports from the United State, rising global refining activity especially in Asia, declining oil inventories and steady crude oil shipments from Western Asia. Crude oil trade benefited from the growing export volumes originating in the Atlantic basin and destined to Asia, most notably China, where rising demand from independent refiners and growing state refinery capacity boosted demand growth. In view of the two- digit growth rate recorded in 2016 and 9.1 per cent growth experienced in 2017, China is clearly emerging as a leading importer of crude oil. Its main Crude Oil suppliers were Angola, the Islamic Republic of Iran, Iraq, the Russian Federation, Saudi Arabia and the Bolivarian Republic of Venezuela.

2.2 Together, refined petroleum products and gas volumes increased by 3.9 per cent in 2017; growth in petroleum products was supported by rising demand in developing America and growing intra-Asian trade. However, elevated global inventory and stocks undermined arbitrage

opportunities for some products and hindered growth during the year. At the same time, drawdowns on inventories weighed on the import demand in some regions, including Europe (Clarksons Research, 2018a). On the supply side, higher levels of refinery throughput lifted export volumes from Europe and Asia, including Western Asia and China. The United States contributed to export growth, and shipments of oil products expanded by 9.5 per cent (Clarksons Research, 2018b). United States exports to developing America partly benefited from the continued decline in refinery activity in Brazil, Mexico and the Bolivarian Republic of Venezuela.

### **Natural Gas and liquefied gases**

2.3 Shipments of liquefied natural gas totalled 293.8 million tons in 2017, following a 9.6 per cent increase over the previous year (Clarksons Research, 2018b). Increased demand, the highest in six years, originated mostly in Asia, where energy policy shifts are under way. Imports of the commodity to China increased by 47.3 per cent in 2017, owing to weather conditions and stronger demand. The country's demand for liquefied natural gas was partly supported by the growing importance of the environmental agenda. Further, the continued expansion of liquefied natural gas regasification capacity in China highlights the potential for further expansion in imports of the commodity.

2.4 Shipments of liquefied petroleum gas expanded at a slower pace (2.0 per cent) in 2017, down from 11.2 per cent in 2016 (Clarksons Research, 2018b). The main factors restricting growth included a decline in Western Asian exports, which was offset somewhat by growing exports from the United States. Demand for imports in China was key, with import volumes expanding by 14.7 per cent. This pace is, however, less than half of that in 2016 (34.4 per cent), reflecting the end of the recent wave of propane dehydrogenation plant expansions (Danish Ship Finance, 2017). Imports of liquefied petroleum gas to India increased in 2017, supported by a subsidy programme of the Government promoting households' switch to cleaner fuels. In contrast, imports of the commodity to Europe declined, owing in part to competition from ethane.

### **Dry Cargo Trades**

#### **Dry Bulk Shipments: Major and minor dry bulks**

2.5 A limited expansion in 2015-2016, global dry bulk trade grew by about 4 per cent in 2017, bringing total volumes to 5.1 billion tons (UNCTAD, Review of Maritime Transport,

2018). A sharp increase in iron ore imports to China, a rebound in global coal trade and improved growth in minor bulk trades supported the expansion. Overall, strong import demand in China remained the main factor behind growth in global dry bulk trade. Iron ore imports to China increased by 5 per cent in 2017, bringing total volumes to nearly 1.1 billion tons. With a market share of more than 70 per cent, China remains the main source of global iron ore demand. A rise in steel production and the closure of more than 100 million tons per annum of outdated steelmaking capacity in 2016-2017 boosted the country's demand for imports. Further, the increased use of higher grade imported iron ore displaced domestic supplies. The leading iron ore exporters were Australia, Brazil and South Africa; Australia and Brazil supplied over 85 per cent of the demand for imports in China. Nevertheless, Australia is by far the largest exporter, supplying nearly two thirds of iron ore requirements in China.

2.6 Global coal trade resumed growth in 2017, increasing by 5.8 per cent following a limited expansion in 2016 and a significant decline in 2015. Higher import demand in China, the Republic of Korea and a number of South-East Asian countries supported the volume increase. Coal imports to China continued to provide strong support for dry bulk shipping demand. China, India, Japan, Malaysia, and the Republic of Korea are major importers of coal, while Australia and Indonesia are major exporters of the commodity. Growing coal exports from the United States to China are benefiting dry bulk shipping. One factor is the uncertainty over the Indian coal trade. On the one hand, India plans to increase domestic production, which may alter the balance between locally sourced and imported coal. On the other hand, growing demand from the steel sector in India may boost seaborne imports of coking coal (Barry Rogliano Salles, 2018).

2.7 Growing manufacturing activity and construction demand supported a 2.2 per cent increase in minor bulks commodity trade. Rising demand for commodities such as bauxite, scrap and nickel ore pushed volumes to 1.9 billion tons. However, the large drop (less 30.8 per cent) in exports of steel products from China due to reforms in the country's steel sector undermined the expansion to some extent. Bauxite shipments expanded by 19.5 per cent, accounting for 13 per cent of minor dry bulks commodities trade in 2017. The continued rise in Chinese aluminium production and the availability of bauxite ore, following years of export disruptions, led to an expansion in bauxite trade. While China dominates the import side with a market share of more



than two thirds, key players on the supply side are more varied and include Australia, Brazil, Guinea and India.

## **Other Dry Cargo Trades**

### **Containerized Trade**

2.8 Following the difficult years of 2015 and 2016 when containerized trade grew modestly at 1.1 percent and 3.1 percent, respectively, container market conditions improved in 2017, and strong growth in volumes was recorded across all routes. World containerized trade volumes expanded by a strong 6.4 per cent in 2017, the fastest rate since 2011. Global volumes reached 148 million TEUs (UNCTAD Review of Maritime Transport, 2018), supported by various positive trends. The modest global recovery was central to the rise in containerized volumes. In addition, factors such as a recession in Brazil and the Russian Federation, increased consumption requirements in the United States, improved commodity prices, strong import demand from China and the rapid growth of intra-Asian trade reflecting the effect of regional integration and participation in global value chains, contributed to the recovery.

### **Seaborne Trade Development Forecast**

2.9 Global seaborne trade is doing well, helped by the upswing in the world economy. Prospects for the short and medium term are positive overall ó global GDP is expected to grow by more than 3.0 per cent over the 2018ó2023 period (International Monetary Fund, 2018), and merchandise trade volumes are set to rise by 4.4 per cent in 2018 and 4 per cent in 2019 (World Trade Organization, 2018). In line with projected economic growth and based on the income elasticity of seaborne trade estimated for the 2000ó2017 period, UNCTAD expects world seaborne trade volumes to expand by 4.0 per cent in 2018. According to UNCTAD projections, world seaborne trade will expand at a compound annual growth of 3.8 per cent during that period, based on calculated elasticities and the latest figures of GDP growth forecast by the International Monetary Fund for 2018ó2023.

2.10 In 2018, UNCTAD forecasts indicate that Contingent on continued economic conditions in the global economy, volumes across all segments are set to expand; it is expected that containerized and dry bulk commodities trades will record the fastest growth. Tanker trade volumes should increase, although at a slightly slower pace than other cargo types. Dry bulk commodities are projected to experience a compound annual growth rate of 4.9 per cent between

2018 and 2023, while containerized shipments are expected to rise by 6 per cent, supported by positive economic trends, imports of metal ores to China and steady growth on the non-mainlane trade routes. Further, crude oil trade is forecast to grow by 1.7 per cent between 2018 and 2023, and combined petroleum products and gas volumes, by 2.6 per cent.

### **3. Indian Economy and India's Maritime Trade**

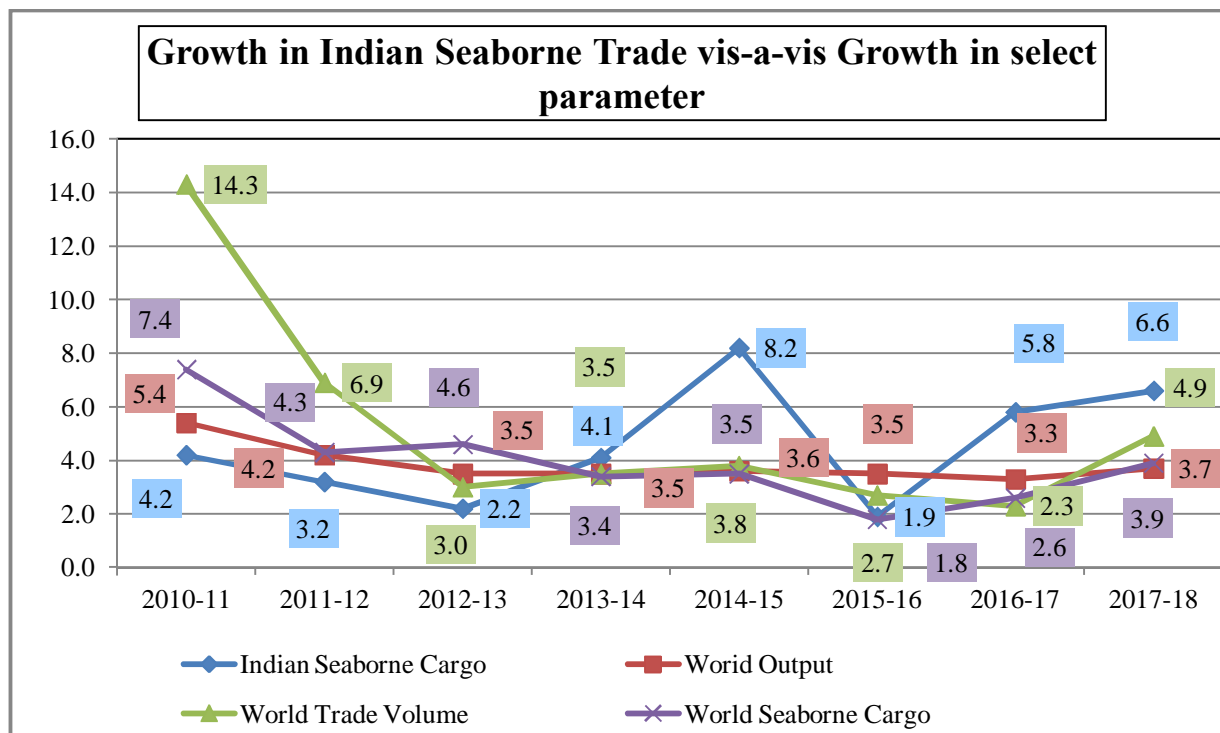
3.1 India's economy has witnessed a significant economic growth in the recent past, the Gross Value Added (GVA) at Basic Price growing by 6.9% per cent in FY 2017-18 as against 7.9% percent in FY 2016-17. The growth of all the three sectors agriculture, Industry and service sector has been decreased during 2017-18. The growth in the foreign trade export and import is increased over the year. The growth of total cargo handled in India's also increased from 5.8% in 2016-17 to 6.6% in 2017-18. The growth in the cargo handled at Non-major Ports increased from 4.2% in 2016-17 to 9.0% in 2017-18. However the growth in the cargo handled at major Ports decreased from 7.0% in 2016-17 to 4.8% in 2017-18.

3.2 India's maritime trade comprises of export-import trade in various bulk and non-bulk commodities. Over the last decade, there has been a steady increase in handling of cargo traffic at Indian ports. India's export growth has shown vigour and vitality over the last few years. To sustain the momentum of exports and improve competitiveness the country would need adequate and efficient infrastructure in terms of ports and maritime services. **Table 2** gives the growth of cargo at Indian ports and related parameters of Indian and world trade.

**Table 2: Growth in Cargo handled at Indian Ports and related parameters (in %)**

Parameters	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
<b>Trends in India's Select : Macro Parameters</b>							
<b>I. Total Cargo</b>	<b>3.2</b>	<b>2.2</b>	<b>4.1</b>	<b>8.2</b>	<b>1.9</b>	<b>5.8</b>	<b>6.6</b>
(a) Major Ports	-1.7	-2.6	1.8	4.7	4.2	7.0	4.8
(b) Non Major Ports	12.2	9.7	7.5	12.9	-1.1	4.2	9.0
<b>II.GVA overall</b>	<b>n.a</b>	<b>5.4</b>	<b>6.1</b>	<b>7.2</b>	<b>8.0</b>	<b>7.9</b>	<b>6.9</b>
(a) Agriculture	n.a	1.5	5.6	-0.2	0.6	6.3	5.0
(b) Industry	n.a	3.3	3.8	7.0	9.6	7.7	5.9
(c) Services	n.a	8.3	7.7	9.8	9.4	8.4	8.1
<b>III. Foreign Trade</b>							
(a) Export in \$ value	21.8	-1.8	4.7	-1.3	-15.5	5.2	10.0
(b) Import in \$ value	32.3	0.3	-8.3	-0.5	15.0	0.9	21.1
<b>Trends in Select : Global Indicators</b>							
<b>IV. World Output</b>	<b>4.2</b>	<b>3.5</b>	<b>3.5</b>	<b>3.6</b>	<b>3.5</b>	<b>3.3</b>	<b>3.7</b>
(a) Advanced Economies	1.7	1.2	1.4	2.1	2.3	1.7	2.3
(b) Developing Economies	6.3	5.3	5.1	4.7	4.3	4.4	4.7
<b>V. World Economic Growth</b>	<b>2.8</b>	<b>2.2</b>	<b>2.2</b>	<b>2.5</b>	<b>2.6</b>	<b>2.5</b>	<b>3.1</b>
(a) Advanced Economies	1.4	1.1	1.1	1.7	2.2	1.7	2.3
(b) Developing Economies	6.0	4.7	4.6	4.4	3.8	3.9	4.5
(c) Transition Economies	4.7	3.3	2.0	0.9	-2.2	0.3	2.1
<b>VI. World Trade Volume (Goods)</b>	<b>6.9</b>	<b>3.0</b>	<b>3.5</b>	<b>3.8</b>	<b>2.7</b>	<b>2.3</b>	<b>4.9</b>
<b>VII. Export Volume growth (Goods)</b>							
(a) Advanced Economies	6.0	2.9	3.2	3.9	3.8	1.8	4.4
(b) Developing Economies	8.1	3.5	4.7	3.2	1.6	3.0	6.9
<b>VIII. Import Volume (Goods)</b>							
(a) Advanced Economies	5.3	1.7	2.5	3.9	4.8	2.4	4.2
(b) Developing Economies	10.5	5.3	5.1	4.2	-0.9	1.8	7.0
<b>IX. World Seaborne Trade*</b>	<b>4.3</b>	<b>4.6</b>	<b>3.4</b>	<b>3.5</b>	<b>1.8</b>	<b>2.6</b>	<b>3.9</b>
(a) Goods Loaded	4.5	4.7	3.4	3.5	1.8	2.6	4.0
(b) Goods Unloaded	4.2	4.4	3.4	3.5	1.8	2.6	3.8
<p>I. Based on data from Major Ports and Non Major Ports</p> <p>II. Based on Statement on estimates of GDP at constant (2011-12) prices from MOSPI's website.</p> <p>III. Based on Department of Commerce, DGCI&amp;S</p> <p>IV,VI, VII &amp; VIII Based on World Economic Outlook, April,2018, IMF;</p> <p>V &amp; IX. Based on Review of Maritime Transport, 2018 (November), UNCTAD</p> <p><b>Note :</b> For item Nos IV, VI, VII &amp; VIII year 2012-13 refers to calendar year 2012 and so on;</p> <p>* growth in total goods loaded plus unloaded; NA ; Not Available</p>							

Port traffic and growth in World output, export volume and seaborne trade (loaded + unloaded) since 2010-11 is given in **Chart I** below:



Source: Indian Seaborne Cargo-Major and Non-major Ports  
 World Output and World Trade Volume- World Economic Outlook, April, 2018, IMF  
 World Seaborne Cargo- Review of Maritime Transport, November, 2018, UNCTAD

#### 4. Trends in India's Overseas Trade

4.1 During 2017-18, the total overseas cargo handled at Indian ports was placed at 975.54 million tonnes compared to 932.57 million tonnes in 2016-17. Indian Overseas trade registered a growth of 4.6% in 2017-18 over 2016-17, while it registered a growth of 4.5% in the year 2016-17. However, goods loaded trade registered growth of 4.1% in 2017-18 over 2016-17 while goods unloaded registered a growth of 4.8%. Trend in Indian Overseas trade since 2011-12 is presented in **Table 2A** below.

**Table 2A: Trend in Indian Overseas Trade (% change over previous year)**

	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
<b>Goods Loaded</b>	-8.6	-12.9	2.5	-6.4	-1.6	18.6	4.1
<b>Goods Unloaded</b>	9.5	9.2	6.0	13.7	2.4	0.5	4.8
<b>Total Loaded +Unloaded</b>	3.1	2.2	5.1	8.4	1.5	4.5	4.6

4.2 The share of Indian Flag vessels in carrying total overseas cargo during 2015-16, 2016-17 and 2017-18 is summarized in **Table 2B**.

**Table 2B : India's Overseas Cargo and share of Cargo carried by Indian Flag Vessels during 2015-16, 2016-17 & 2017-18**

(In Million Tonnes)

Type of Cargo	2015-16	Share of Indian Lines	2016-17		2017-18	
	Total Overseas Cargo		Total Overseas Cargo	Share of Indian Lines	Total Overseas Cargo	Share of Indian Lines
Break Bulk	60.53	4.66 (7.7)	45.06	3.76(8.3)	44.29	3.12(7.1)
Container	167.04	1.33(0.8)	173.45	2.29(1.3)	197.30	5.75(2.9)
Dry Bulk Cargo	329.82	30.26 (9.2)	360.1	12.47(3.5)	363.03	11.83(3.3)
Liquid Bulk Cargo	335.17	33.91(10.1)	353.96	41.55(11.7)	370.93	49.00(13.2)
<b>Total</b>	<b>892.56</b>	<b>70.15(7.9)</b>	<b>932.57</b>	<b>60.07(6.4)</b>	<b>975.54</b>	<b>69.71(7.2)</b>
Figures in parenthesis indicate the percentage share of Indian vessels in respective cargo categories.						
Source: Major & Non-Major Ports						

4.3 It is observed that the share of overseas cargo carried by Indian flag vessels varies across different categories of cargo. At an aggregate level, Indian Flag Vessels carried 7.2% of the country's overseas cargo during 2017-18 as against 6.4% in 2016-17.

## B. AN OVERVIEW OF PERFORMANCE OF INDIAN PORTS

### 5. Composition of India's Seaborne Trade

5.1 The total cargo handled at Indian Ports (major and non-major) increased to 1208.56 million tonnes in 2017-18 from 1133.69 million tonnes in 2016-17 reflecting an increase of 6.6% during 2017-18. India's major ports handled more than 56% of the cargo handled at Indian ports. The growth profile of cargo throughput at India's major and minor ports in terms of their coastal and overseas trade during 2015-16 to 2017-18 is given in the Table 3 below:

Port	2015-16			2016-17			2017-18		
	OT	CT	TT	OT	CT	TT	OT	CT	TT
Major	4.08	4.76	4.22	6.94	7.37	7.03	2.07	15.13	4.78
Non Major	-1.40	1.60	-1.06	1.62	23.46	4.15	7.72	17.33	9.04
All Ports	1.48	3.78	1.86	4.48	12.23	5.78	4.61	15.86	6.60

Note: OT - overseas cargo traffic; CT - Coastal cargo traffic; TT - Total cargo traffic

5.2 The period 2001-02 to 2017-18 saw compound annual growth rate (CAGR) of 7.44% in total cargo throughput at Indian ports. The compound annual growth in Cargo handled at non-major ports was 11.29% during 2001-02 to 2017-18. However, the growth in cargo handled by major port during 2017-18 was increased by 4.78% and non-major port cargo handled was increased by 9.04% respectively.

5.3 Commodity-wise traffic handled, in respect of principal commodities, by all the ports (major & non-major) in India from the year 2004-05 to 2017-18 are presented in **Table 4** below:

<b>Table 4 : Commodity-wise Traffic Handled by All Ports (Million Tonnes)</b>							
<b>Year</b>	<b>Commodity-wise Traffic</b>						
	<b>POL (Crude &amp; Products)</b>	<b>Iron Ore</b>	<b>Building materials</b>	<b>Coal</b>	<b>FRM</b>	<b>Others</b>	<b>Total</b>
<b>2004-05</b>	194.21	97.60	16.13	74.17	18.43	122.19	522.72
<b>2005-06</b>	211.82 (9.07)	108.06 (10.72)	13.39 (-16.97)	82.39 (11.09)	22.91 (24.36)	135.11 (10.58)	573.69 (9.75)
<b>2006-07</b>	227.08 (7.20)	114.56 (6.02)	14.39 (7.44)	78.65 (-4.54)	25.89 (12.97)	188.14 (39.25)	648.70 (13.08)
<b>2007-08</b>	258.47 (13.82)	126.52 (10.44)	16.26 (13.02)	84.11 (6.94)	25.39 (-1.91)	214.94 (14.24)	725.69 (11.87)
<b>2008-09</b>	272.02 (5.24)	128.53 (1.59)	13.26 (-18.48)	98.38 (16.97)	27.13 (6.86)	204.70 (-4.76)	744.03 (2.53)
<b>2009-10</b>	312.58 (14.91)	149.71 (16.47)	13.14 (-0.88)	113.06 (14.92)	27.23 (0.37)	218.58 (6.78)	834.30 (12.13)
<b>2010-11</b>	325.26 (4.06)	125.95 (-15.87)	12.33 (-6.20)	133.61 (18.17)	33.52 (23.10)	254.77 (16.56)	885.44 (6.13)
<b>2011-12</b>	330.17 (1.51)	91.34 (-27.48)	12.87 (4.37)	157.82 (18.12)	36.15 (7.82)	285.60 (12.10)	913.93 (3.22)
<b>2012-13</b>	349.29 (5.79)	49.14 (-46.19)	11.95 (-7.10)	196.07 (24.24)	27.35 (-24.35)	299.95 (5.03)	933.75 (2.17)
<b>2013-14</b>	350.28 (0.28)	41.38 (-15.81)	14.18 (18.61)	219.43 (11.92)	25.79 (-5.68)	321.40 (7.15)	972.46 (4.15)
<b>2014-15</b>	333.94 (-4.67)	43.02 (3.98)	14.22 (0.32)	275.10 (25.37)	30.35 (17.67)	355.60 (10.64)	1052.22 (8.20)
<b>2015-16</b>	367.00 (9.90)	32.70 (-24.00)	14.17 (-0.36)	275.93 (0.30)	32.97 (8.63)	348.99 (-1.86)	1071.76 (1.86)
<b>2016-17</b>	386.30 (5.26)	76.22 (133.10)	15.17 (7.03)	259.93 (-5.80)	28.29 (-14.18)	367.78 (5.38)	1133.69 (5.78)
<b>2017-18</b>	406.68 (5.28)	77.77 (2.03)	15.59 (2.76)	273.41 (5.18)	26.77 (-5.40)	408.35 (11.03)	1208.56 (6.60)
Note: Figures in brackets indicate the year-on-year growth rate; FRM: Fertilizer raw materials.							

5.4 The commodity composition of the total traffic at Indian Ports has shown marginal changes over the years. POL & its products continue to be the single largest commodity handled by the ports, constituting 33.7% of the total seaborne traffic followed by Coal (22.6%), Iron ore

(6.4%) and FRM (2.2%) in 2017-18. General cargo comprising of container cargo and break bulk constituted 23.0% of the total cargo.

## 6. India's Port Infrastructure

6.1 Ports are economic and service provision units of a remarkable importance since they act as a place for the interchange of two transport modes, maritime and land, whether by rail or road. Therefore, the essential aspect of ports lies in their intermodal nature. India has a coast-line of around 7517 Kms with 12 major ports and 205 notified non-major ports along the coast-line and sea-islands.

6.2 The share of Major ports and Maritime States of India in cargo handled is given in **Table 5** below:

<b>Table 5 : State-wise Cargo Traffic at Indian Ports during 2017-18</b>			
(Million Tonnes)			
<b>Name of the State</b>	<b>Major Ports</b>	<b>Non-Major Ports</b>	<b>Total</b>
1. Gujarat	110.10	370.77	480.87
2. Maharashtra	128.91	37.91	166.81
3. Goa	26.90	0.07	26.97
4. Karnataka	42.06	0.68	42.74
5. Kerala	29.14	0.14	29.28
6. Tamil Nadu	118.91	1.10	120.01
7. Andhra Pradesh	63.54	86.29	149.82
8. Orissa	102.03	22.60	124.62
9. West Bengal	57.89	0.00	57.89
10. Others(a)	0.00	9.54	9.54
<b>TOTAL</b>	<b>679.47</b>	<b>529.09</b>	<b>1208.56</b>

Note: (a)- Includes Puducherry, A&N islands and Lakshadweep Port

6.3 Amongst the States, Gujarat has emerged as the premier maritime State in terms of port traffic and accounted for 39.8% of the total cargo handled at Indian ports. It is also noteworthy that about 70% of the cargo handled by non-major ports pertains to the State of Gujarat. In terms of total port traffic, Gujarat is followed by Maharashtra, Andhra Pradesh, Odisha and Tamil Nadu with their respective shares of 13.8%, 12.4%, 10.3% and 9.9% respectively in India's total seaborne traffic.



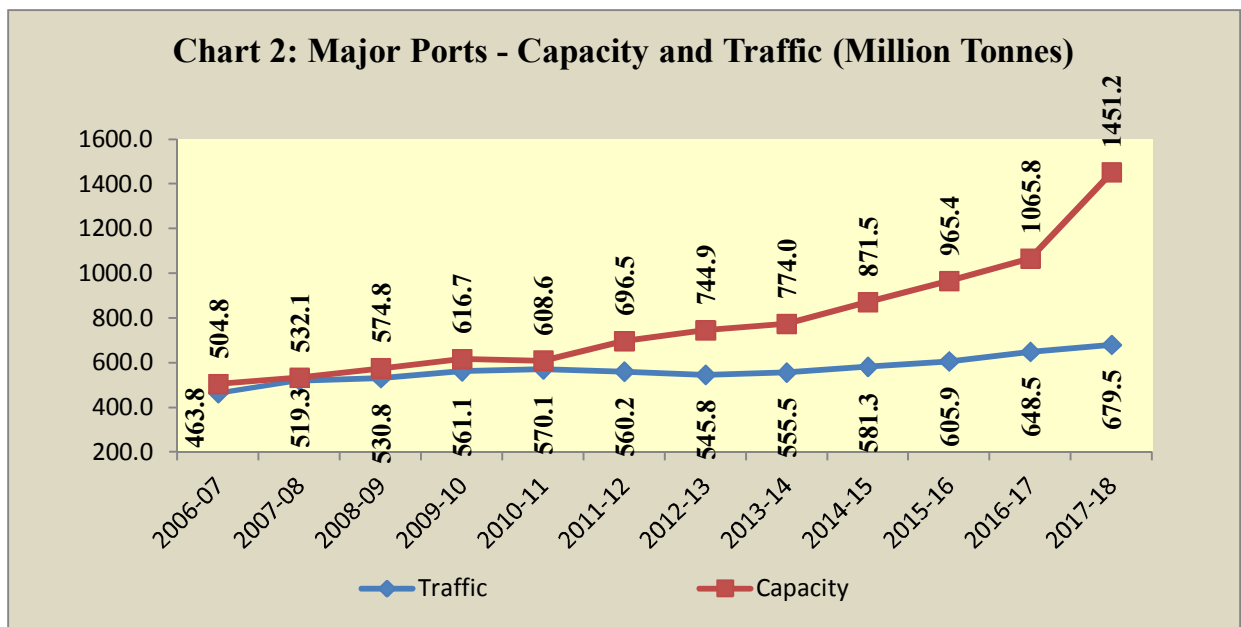
## C . PERFORMANCE OF MAJOR PORTS

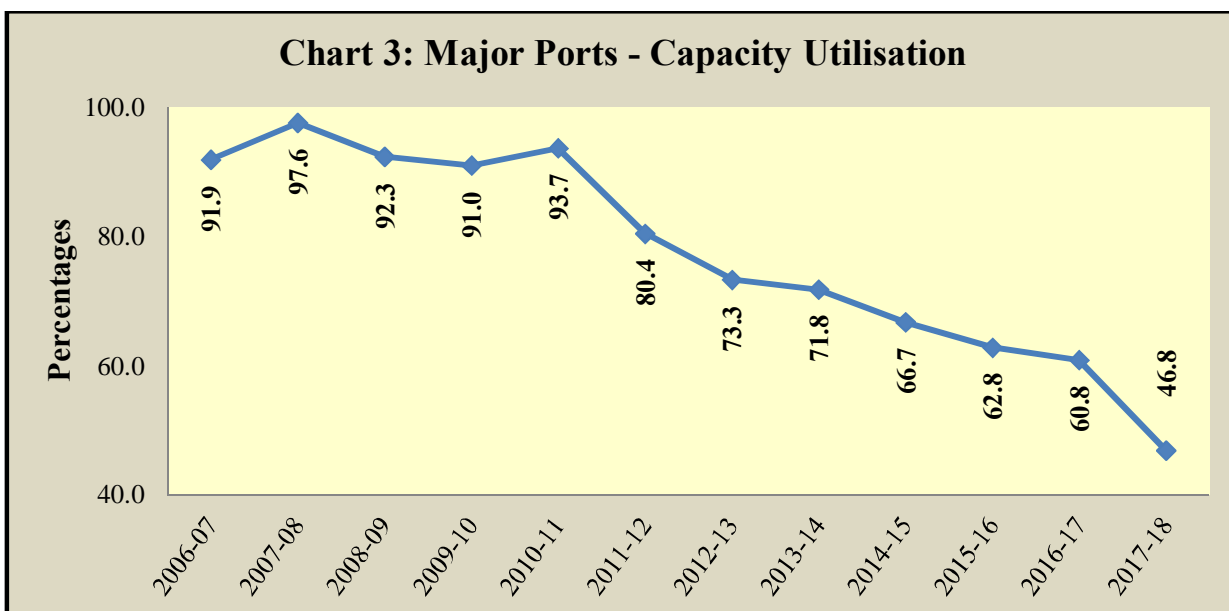
### 7. CARGO TRAFFIC HANDLED

7.1 The twelve major ports in India handled about 56.2% of the maritime cargo traffic of the country in 2017-18. Traffic handled at the major ports during last one decade has been increasing over the years except in 2012-13 in tandem with the economic activity and volume of trade turnover. The total traffic handled by the major ports has recorded more than threefold increase from 227.26 million tonnes in 1996-97 to 679.47 million tonnes in 2017-18 (**Chart 2**).

7.2 Cargo handling capacity at major ports has also risen with traffic. The capacity which was placed at 174.0 million tonnes at the end of 1994-95 has increased to a level of 1065.83 million tonnes at the end of 2016-17 and further increased to 1451.19 million tonnes during 2017-18.

7.3 The capacity addition and the productivity improvements achieved by the major ports coupled with growing participation of Private Sector in cargo handling have had a favourable impact on efficiency of cargo handling operations at India's major ports. The capacity utilization at Major ports from 2006-07 to 2017-18 is presented in **Chart-3**.





## 8. MAJOR PORTS: CARGO TRAFFIC IN TERMS OF OVERSEAS AND COASTAL TRAFFIC

8.1 The overseas and coastal cargo handled during 2017-18 by major ports was of the order of 524.73 million tonnes and 154.74 million tonnes respectively. The Overseas Cargo traffic handled at Major Port increased by 2.1% in 2017-18 as compared to 2016-17 and the Coastal cargo traffic growth was 15.13% in 2017-18. However, the total cargo traffic handled in 2017-18 was increased by 4.8% compared to 2016-17.

8.2 The Cargo traffic in terms of coastal and overseas categories at Major Ports during 2016-17 & 2017-18 are given in **Table 6**. Amongst the major ports, Deendayal Port (erstwhile Kandla port) accounted for the highest share of 16.2% in the total cargo traffic at all major ports during 2017-18 followed by Paradip (15.0%), J.L. Nehru (9.7%), Vishakhapatnam (9.4%), Mumbai (9.3%), Chennai (7.6%), NMPT (6.2%), Haldia Dock Complex (6.0%) and Chidambaranar (5.4%). The cargo traffic at Cochin port, Mormugao Port, Kamarjar Port and Kolkata Dock System (KDS) had a share of less than 5% each during the same period. The Cargo traffic at all the Ports was overwhelmingly outward oriented with overseas cargo accounting for the larger share in the total cargo handled at the port.

8.3 Port-wise analysis of the traffic growth indicates that Haldia Dock Complex recorded highest growth of 18.6% during 2017-18 followed by Cochin (16.5%), Paradip Port (14.7%), JNPT (6.2%), New Mangalore Port (5.3%), Deendayal Port (4.4%), Vishakhapatnam (4.1%), KDS (3.5%), Chennai Port (3.3%) and Kamarajar Port Ltd. (1.4%). Other major ports like Mormugao Port, V.O. Chidambaranar and Mumbai have recorded a negative growth rate of 18.9%, 4.9% and 0.4% respectively.

Port	2016-17			2017-18		
	Overseas	Coastal	Total	Overseas	Coastal	Total
<b>Kolkata Dock System</b>	15.78 (3.07)	1.03 (0.77)	16.81 (2.59)	16.51 (3.15)	0.88 (0.57)	17.39 (2.56)
<b>Haldia Dock Complex</b>	27.94 (5.44)	6.20 (4.61)	34.14 (5.26)	30.95 (5.90)	9.55 (6.17)	40.50 (5.96)
<b>Paradip</b>	63.47 (12.35)	25.49 (18.97)	88.96 (13.72)	70.45 (13.43)	31.58 (20.41)	102.03 (15.02)
<b>Visakhapatnam</b>	43.17 (8.40)	17.85 (13.28)	61.02 (9.41)	47.57 (9.07)	15.97 (10.32)	63.54 (9.35)
<b>Chennai</b>	46.43 (9.03)	3.79 (2.82)	50.21 (7.74)	47.74 (9.10)	4.14 (2.68)	51.88 (7.64)
<b>Kamarajar</b>	13.41 (2.61)	16.61 (12.36)	30.02 (4.63)	11.86 (2.26)	18.58 (12.01)	30.45 (4.48)
<b>V.O.Chidambaranar</b>	30.97 (6.03)	7.49 (5.57)	38.46 (5.93)	26.61 (5.07)	9.97 (6.44)	36.58 (5.38)
<b>Cochin</b>	17.93 (3.49)	7.07 (5.26)	25.01 (3.86)	20.49 (3.90)	8.66 (5.59)	29.14 (4.29)
<b>New Mangalore</b>	31.72 (6.17)	8.22 (6.12)	39.94 (6.16)	31.85 (6.07)	10.21 (6.60)	42.06 (6.19)
<b>Mormugao</b>	32.14 (6.25)	1.04 (0.78)	33.18 (5.12)	25.18 (4.80)	1.72 (1.11)	26.90 (3.96)
<b>J. L. Nehru</b>	58.11 (11.30)	4.04 (3.01)	62.15 (9.58)	61.66 (11.75)	4.34 (2.81)	66.00 (9.71)
<b>Mumbai</b>	34.66 (6.74)	28.47 (21.18)	63.13 (9.74)	34.17 (6.51)	28.74 (18.57)	62.90 (9.26)
<b>Deendayal</b>	98.35 (19.13)	7.09 (5.28)	105.44 (16.26)	99.69 (19.00)	10.41 (6.72)	110.10 (16.20)
<b>Total</b>	<b>514.07</b> <b>(100.00)</b>	<b>134.40</b> <b>(100.00)</b>	<b>648.47</b> <b>(100.00)</b>	<b>524.73</b> <b>(100.00)</b>	<b>154.74</b> <b>(100.00)</b>	<b>679.47</b> <b>(100.00)</b>

Note: The figures in parenthesis indicate percent share of the port in total traffic in respective traffic categories at major ports

## 9. COMMODITY-WISE TRAFFIC

9.1 Commodity-wise break-up of traffic handled at the major ports in India from 2005-06 to 2017-18 is given in **Table 7** below:

<b>Table 7: Commodity-wise Cargo Traffic Handled at Major Ports</b>								
								<b>(Million Tonnes)</b>
<b>Year</b>	<b>POL (Crude &amp; Products)</b>	<b>Fertilizer</b>	<b>Fertilizer Raw Material Dry</b>	<b>Iron Ore</b>	<b>Coal*</b>	<b>Food- grains</b>	<b>Others</b>	<b>Total</b>
2005-06	142.09 (12.38)	6.62 (71.95)	10.68 (0.09)	79.22 (3.96)	68.83 (13.49)	2.13 (-44.53)	114 (11.64)	423.57 (10.37)
2006-07	145.88 (2.67)	7.93 (19.79)	11.14 (4.31)	80.58 (1.72)	64.63 (-6.10)	4.93 (131.46)	148.69 (30.43)	463.78 (9.49)
2007-08	167.44 (14.78)	11.87 (49.68)	6.41 (-42.46)	92.3 (14.54)	68.67 (6.25)	2.99 (-39.35)	169.65 (14.10)	519.33 (11.98)
2008-09	174.2 (4.04)	12.17 (2.53)	6.11 (-4.68)	92.67 (0.40)	76.93 (12.03)	2.4 (-19.73)	166.33 (-1.96)	530.81 (2.21)
2009-10	174.86 (0.38)	10.94 (-10.11)	6.79 (11.13)	100.89 (8.87)	71.79 (-6.68)	1.2 (-50.00)	178.9 (7.56)	545.37 (2.74)
2010-11	179.88 (2.87)	12.37 (13.07)	8.43 (24.15)	87.69 (-13.08)	75.15 (4.68)	1.92 (60.00)	204.65 (14.39)	570.09 (4.53)
2011-12	173.85 (-3.35)	12.22 (-1.21)	8.18 (-2.97)	60.72 (-30.76)	78.78 (4.83)	3.28 (70.83)	223.16 (9.04)	560.19 (-1.74)
2012-13	180.73 (3.96)	7.47 (-38.87)	7.33 (-10.39)	27.29 (-55.06)	86.8 (10.18)	6.6 (101.22)	229.61 (2.89)	545.83 (-2.56)
2013-14	181.06 (0.18)	6.15 (-17.67)	7.64 (4.23)	24.62 (-9.78)	104.27 (20.13)	4.79 (-27.42)	226.96 (-1.15)	555.49 (1.77)
2014-15	181.02 (-0.02)	7.93 (28.88)	8.36 (9.42)	18.00 (-26.88)	119.47 (14.58)	3.09 (-35.51)	243.46 (7.27)	581.331 (4.65)
2015-16	186.36 (2.95)	8.49 (7.15)	7.53 (-9.93)	15.32 (-14.93)	134.06 (12.21)	2.37 (-23.18)	251.76 (3.41)	605.887 (4.22)
2016-17	200.23 (7.44)	7.04 (-17.07)	7.01 (-6.85)	41.77 (172.71)	126.18 (-5.88)	6.50 (174.08)	259.75 (3.17)	648.47 (7.03)
<b>2017-18</b>	<b>213.26 (6.51)</b>	<b>7.52 (6.82)</b>	<b>7.53 (7.34)</b>	<b>41.17 (-1.42)</b>	<b>126.73 (0.43)</b>	<b>2.40 (-63.16)</b>	<b>280.87 (8.13)</b>	<b>679.47 (4.78)</b>

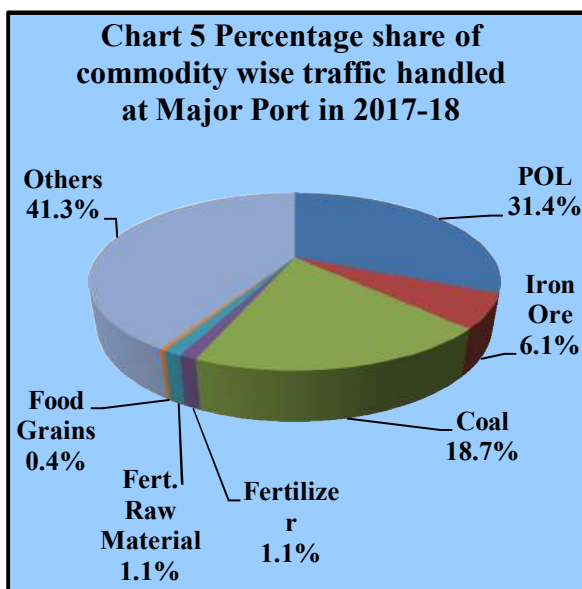
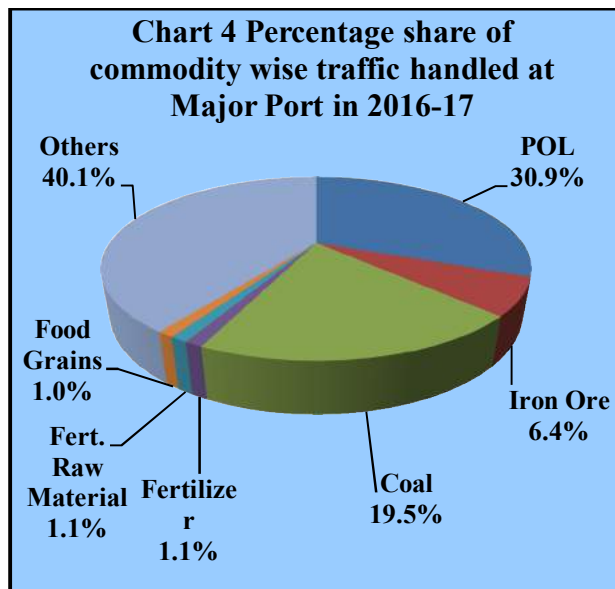
Note: Figures in parenthesis indicate growth over the previous year.

\*Thermal Coal & Coking Coal

9.2 The highest growth in traffic during 2017-18, among the principal commodities, is seen in the case of other commodities (8.1%) and FRM-Dry (7.3%) followed by Fertilizer (6.8%),

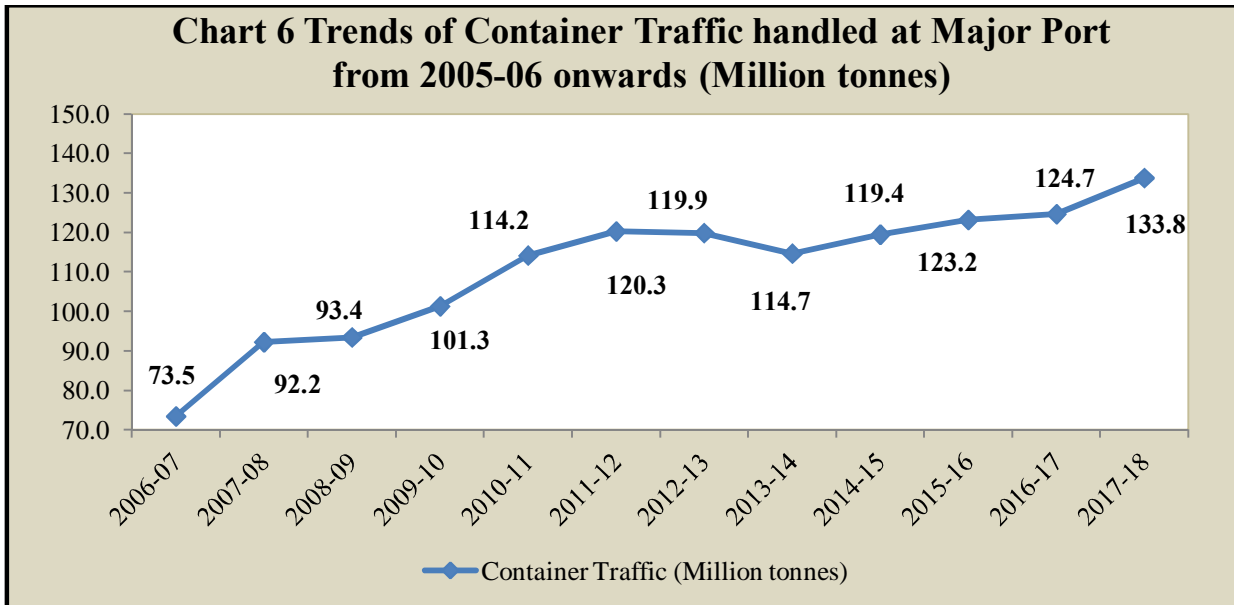
POL & Products (6.5%) and Coal (0.4%). Traffic for Food grains and Iron Ore reported negative growth of 63.2% and 1.4% respectively.

9.3 In respect of the traffic handled at Major ports, it is also observed that more than 91% of the traffic handled during 2017-18 was accounted by three commodities viz. other cargo including Containers (41.3%), POL & Products (31.4%) and Coal (18.7%).



## 10. CONTAINER TRAFFIC

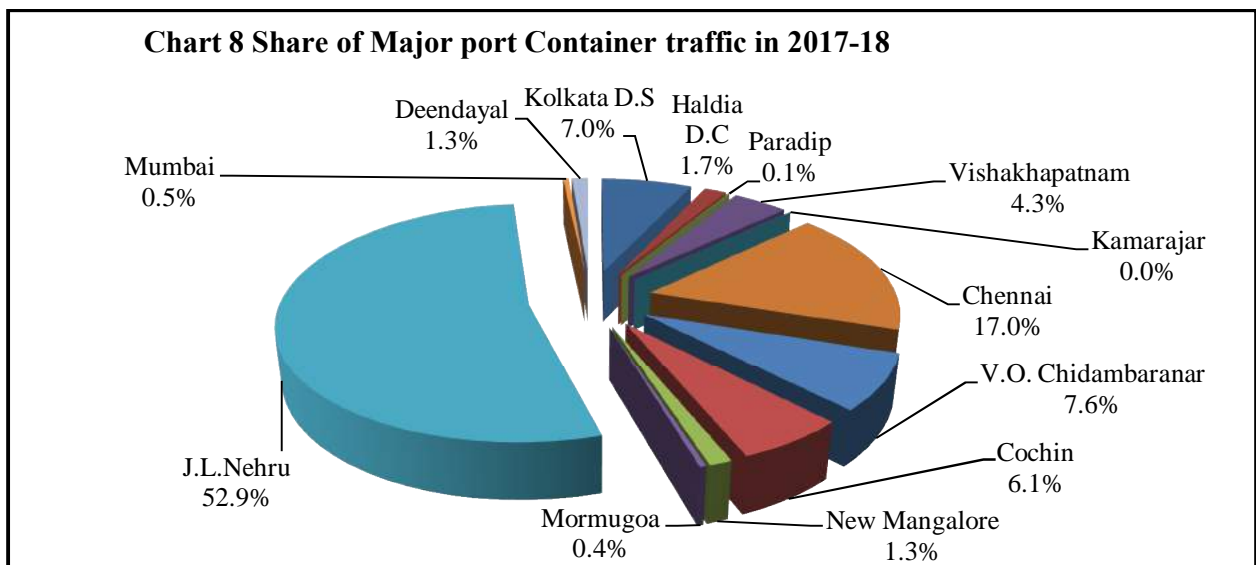
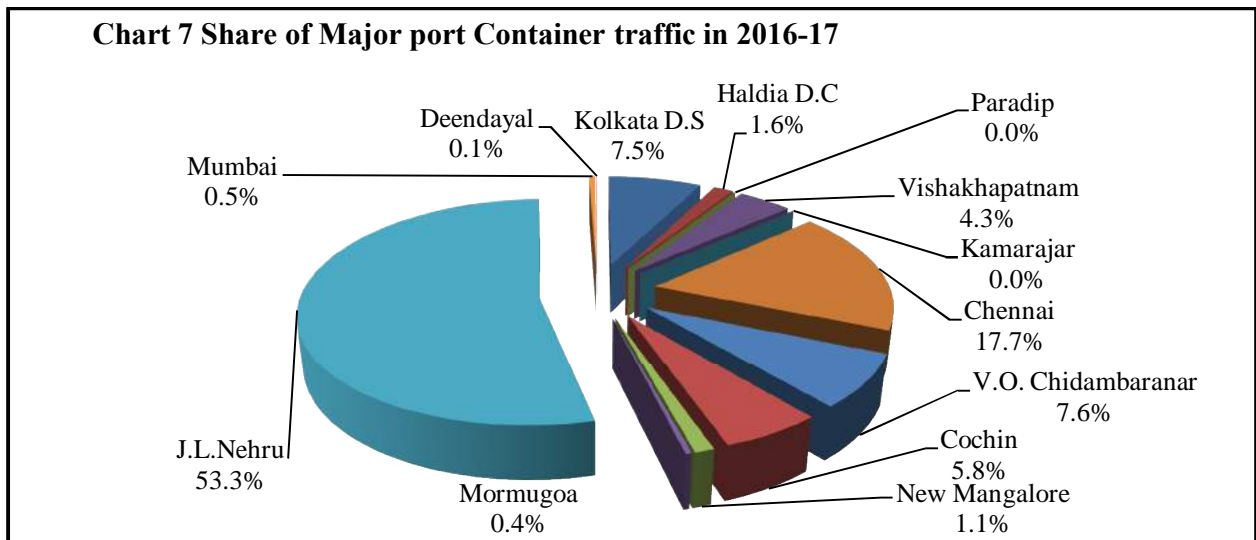
10.1 Containerization started in India in 1973 in a limited way with the creation of interim container handling facilities at Mumbai and Cochin Ports. Since then, container traffic has steadily increased over the years, in tune with the increasing use of containers in international trade. Container traffic has experienced about eight fold increase from 1.05 million Twenty Feet Equivalent Units (TEUs) (11.9 million tonnes) in 1993-94 to 8.4 million TEUs (124.7 million tonnes) in 2016-17 and further increased to 9.1 million TEUs (133.7 million tonnes) in 2017-18 (**Chart-6**). Over the same period non-containerized cargo grew from 167.1 million tonnes to 545.74 million tonnes i.e. about more than threefold increase during these periods.



10.2 The growth in container traffic at the container handling ports of the country is given in **Table 8**.

Name of Port	2016-17		2017-18	
	000' Tonnes	TEUs	000' Tonnes	TEUs
Kolkata D.S	9887	636	9760	640
Haldia D.C	2467	136	2672	156
Paradip	42	2	113	7
Vishakhapatnam	6428	367	6835	389
Kamarajar	1	0	52	3
Chennai	28850	1495	29905	1549
V.O.Chidambarnar	12991	642	14191	698
Cochin	6840	491	7694	556
New Mangalore	1411	95	1744	115
Mormugoa	402	30	425	32
J.L.Nehru	54530	4500	57866	4833
Mumbai	639	43	630	42
Deendayal	175	5	1839	117
<b>All Ports</b>	<b>124663</b>	<b>8442</b>	<b>133726</b>	<b>9138</b>

10.3 The share of JNPT during 2017-18 in total container traffic stood at 52.9% (in TEUs) and 43.3% (in tonnage) making it the premier container port in India. Other important container handling ports, in the order of their share in India's total container traffic in terms of TEUs were Chennai (17.0%), V.O. Chidambaranar (7.6%), Kolkata D. S. (7.0%), Cochin (6.1%) and Vishakhapatnam (4.3%). The share of Mumbai Port in container traffic has seen a decline from 38.7% in 1994-95 to less than one per cent from 2010-11 onwards due to diversion of container traffic to JNPT. During 2017-18 also, the share of Mumbai Port in container traffic was 0.5 percent only. Concomitantly, the share of JNPT has surged ahead from 19.4% to 52.9% during the same period. Chart 7 and 8 gives the share of container cargo handled at Major Ports during 2016-17 and 2017-18 respectively.



## PERFORMANCE INDICATORS

### 11. Capacity Utilization

11.1 Over the years, cargo handling capacity of major ports has steadily increased to cater to the growing volume of internal and external trade. The capacity of the ports which was 172.59 million tonnes at the end of 1993-94 increased to a level of 1065.83 million tonnes at the end of 2016-17 and further increased to 1451.19 million tonnes at the end of 2017-18. The port-wise capacity and traffic handled for the year 2017-18 is brought out in **Table 9** below:

<b>Table 9 : Major Port-wise Capacity Utilization During 2017-18 (Million Tonnes)</b>			
<b>Name of the Port</b>	<b>Capacity</b>	<b>Traffic</b>	<b>Capacity Utilisation (%)</b>
Kolkata Dock System	31.57	17.39	55.08
Haldia Dock Complex	51.00	40.50	79.41
Paradip	239.00	102.03	42.69
Visakhapatnam	131.09	63.54	48.47
Kamarajar	84.00	30.45	36.25
Chennai	134	51.88	38.72
Chidambaranar	94.83	36.58	38.57
Cochin	74.5	29.14	39.11
New Mangalore	98.00	42.06	42.92
Mormugao	63.00	26.90	42.70
J. L. Nehru	118.00	66.00	55.93
Mumbai	79.00	62.90	79.62
Deendayal	253.20	110.10	43.48
<b>ALL PORTS</b>	<b>1451.19</b>	<b>679.47</b>	<b>46.82</b>

11.2 Mumbai port and Haldia Dock Complex are only two ports where capacity utilization is more than 75%. Some of the other ports having capacity utilization of more than 50% are J. L. Nehru (55.93%) and KDS (55.08%).



## EFFICIENCY INDICATORS OF MAJOR PORT OPERATIONS

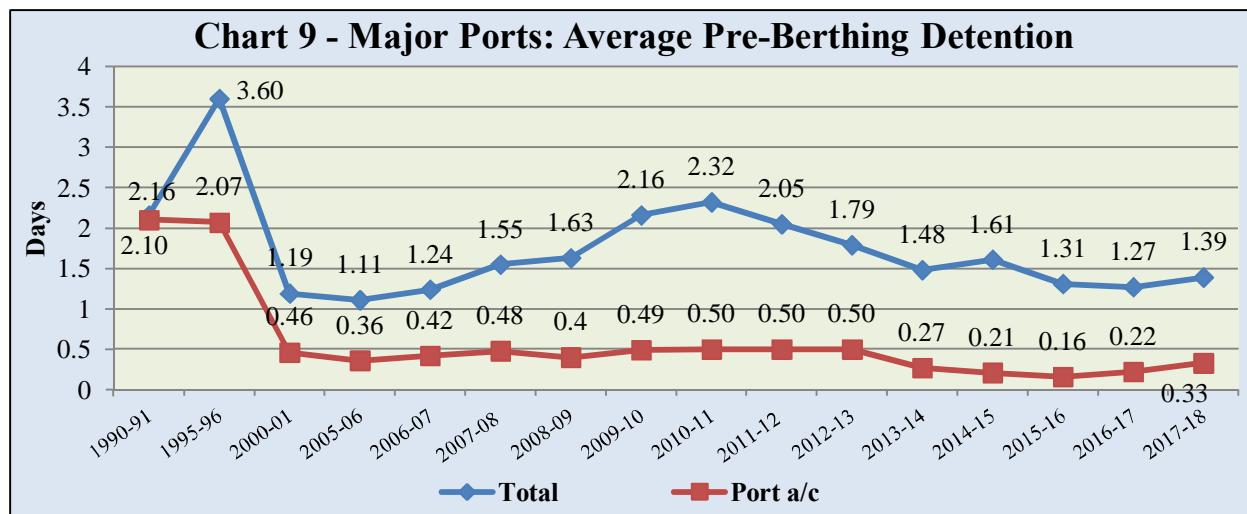
### 12 Average Pre-berthing Detention

12.1 The average overall pre berthing detention time for all major ports declined from 2.2 days in 1990-91 to 1.48 days in 2013-14. However, the average PBDT which declined to 1.27 days in 2016-17 has again increased to 1.39 days in 2017-18. Port-wise average PBD for selected years is indicated in **Table 10** below:

<b>Table 10 : Average Pre-Berthing Detention</b>								
								<b>(Days)</b>
<b>Port</b>	<b>1990-91</b>	<b>2000-01</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>
Kolkata D.S	0.9	0.61	0.61	0.56	0.71	0.50	0.57	0.62
Haldia D.C	1.66	0.91	2.29	2.21	1.43	0.66	2.49	3.15
Paradip	1.59	1.41	1.65	1.94	4.11	2.05	2.47	0.87
Vishakhapatnam	1.83	0.75	2.50	1.84	2.59	1.47	1.22	2.37
Kamarajar			1.33	2.38	2.51	4.73	0.96	0.57
Chennai	2.1	2.45	0.80	0.41	0.41	0.44	0.38	0.86
V.O.Chidambarnar	0.9	1.4	1.31	1.19	1.07	1.33	1.80	1.13
Cochin	0.83	0.74	1.09	0.97	0.84	0.66	0.48	0.43
New Mangalore	0.79	0.77	1.04	0.81	0.60	0.76	0.62	1.16
Mormugao**	2.51	1.32	1.62	1.47	1.61	1.38	1.67	1.31
J.L.Nehru		0.67	1.31	1.08	0.80	1.17	0.77	0.92
Mumbai	3.4	1.26	1.62	1.18	1.69	1.27	0.46	0.96
Deendayal	4.4	1.51	3.58	2.72	2.52	1.98	2.02	1.90
<b>All Ports</b>	<b>2.16</b>	<b>1.19</b>	<b>1.79</b>	<b>1.48</b>	<b>1.61</b>	<b>1.31</b>	<b>1.27</b>	<b>1.39</b>
(P): Provisional.								
Source: Major Ports/ Indian Ports Association(IPA)								
** Relate to dry bulk cargo for MOHP(Mech.) and Berth No. 10 &11 (Conv.)								

12.2 During 2017-18, Major Ports except Kolkata Dockyard System, Haldia Dock Complex, Vishakhapatnam, Chennai, NMPT, JNPT, Mumbai experienced drop in pre-berthing detention of vessels. Data on PBD for different types of vessels indicate that in 2017-18, the PBD was the least in the case of container vessels 0.45 days followed by break bulk (1.05 days), dry bulk (Mechanical) (1.18 days), liquid bulk vessels (1.83 days) and dry bulk (Conventional) (2.15 days).

12.3 The trajectory of weighted average of pre berthing detention time at Major ports- total and Major Port on port account during 1990-91, 1995-96, 2000-01, 2005-06 onwards upto 2017-18 is shown in **Chart 9**.



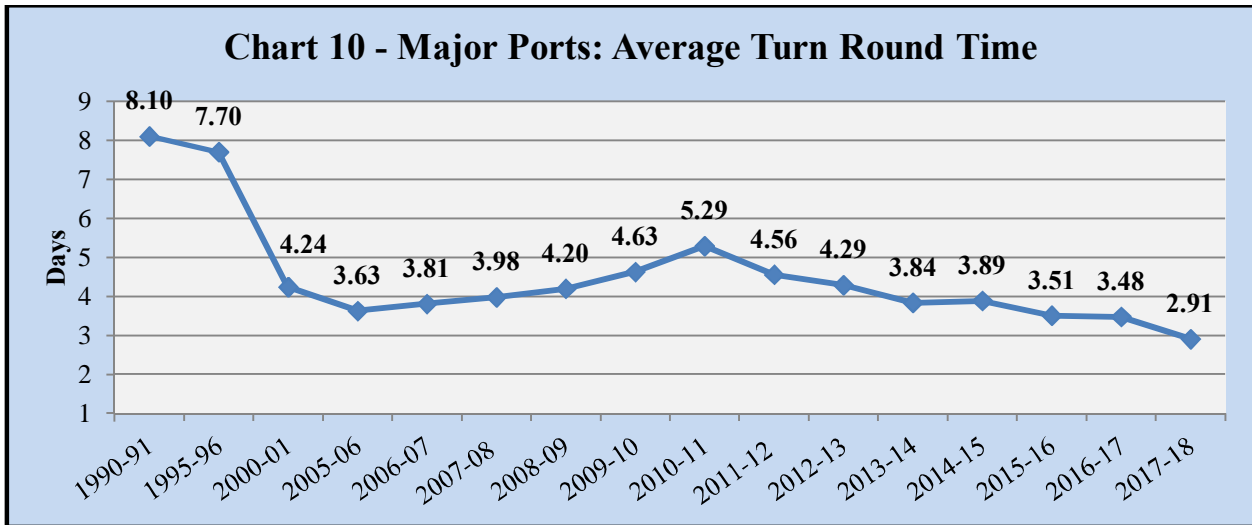
### 13 Average Turn-Round Time (TRT)

13.1 This parameter has improved significantly during the past one and half decades for all the major ports. Average TRT for all major ports improved from 8.10 days in 1990-91 to 3.63 days in 2005-06. Thereafter the average TRT has increased steadily to 5.29 days in 2010-11. In 2011-12, the average TRT declined to 4.56 days and further to 3.84 days in 2013-14. In 2014-15, TRT increased marginally to 3.89 days. However, average TRT decreased significantly by 0.38 days to 3.51 days in 2015-16 and further decreased by 0.03 days to 3.48 days in 2016-17. Average TRT significantly improved by 0.57 days to 2.91 days in 2017-18. Port-wise average TRT varied in the range between 1.87 days at Cochin Port to 4.25 days at Deendayal Port during 2017-18. Port-wise average TRT for select years are given in **Table 11**. Amongst the 12 major ports improvement in average TRT during 2017-18 in comparison to 2016-17 is reflected in all ports except JNPT and Mumbai Port.

13.2 The data on average TRT for different types of vessels indicate that in 2017-18, the average TRT was least in case of container vessels (1.76 days) followed by dry bulk (Mech.) (2.77 days), liquid bulk (2.91 days), break bulk (3.41 days), and dry bulk (Conv.) (4.10 days).

<b>Table 11: Average Turn Round Time</b>								
<b>Port</b>	<b>(days)</b>							
	<b>1990-91</b>	<b>2000-01</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>
1	2	3	4	5	6	7	8	9
Kolkata D.S	11.90	5.50	4.72	4.51	4.97	4.78	4.43	3.77
Haldia D.C	6.47	3.97	3.95	3.77	3.36	3.27	5.47	3.75
Paradip	8.40	4.16	4.39	4.62	7.01	4.50	4.99	3.31
Vishakhapatnam	7.07	3.71	5.39	4.73	5.67	3.84	3.75	2.58
Kamarajar	-	-	2.95	4.24	4.32	6.87	2.68	2.19
Chennai	7.20	5.83	3.24	2.46	2.54	2.53	2.51	2.21
V.O.Chidambarnar	4.70	4.10	4.31	3.92	3.37	3.53	4.00	2.40
Cochin	4.00	3.11	1.58	1.76	1.69	2.18	1.99	1.87
New Mangalore	4.96	2.89	3.29	3.18	2.46	2.63	2.35	2.04
Mormugoa *	6.40	4.25	5.06	4.50	3.97	3.37	3.43	3.15
J.L.Nehru	-	2.21	2.48	2.26	2.24	2.31	1.96	2.23
Mumbai	10.80	5.20	5.58	4.25	4.09	3.29	2.48	2.76
Deendayal	10.00	4.72	6.33	5.66	4.90	4.28	4.51	4.25
<b>All Ports</b>	<b>8.10</b>	<b>4.24</b>	<b>4.29</b>	<b>3.84</b>	<b>3.89</b>	<b>3.51</b>	<b>3.48</b>	<b>2.91</b>
(P) Provisional								
* Refers to dry bulk cargo for MOHP(Mech.) and Berth No. 10 &11 Conv)								
Source: Major Ports/ Indian Ports Association (IPA)								

13.3 The turn round time of cargo ships at major ports for select years since 1990-91 to 2017-18 is presented in the **Chart -10** below.



(Turn-Round Time - Total time spent by a ship since its entry till its departure).

13.4 The average TRT is influenced by a number of factors like type of cargo, parcel size, PBD, entrance channel, etc. Average parcel size has increased from 26526 in 2015-16 to 28728 tonnes in 2016-17 and further increased to 29809 tonnes in 2017-18. During 2017-18, average parcel size has increased to all categories except dry bulk (conventional) where as average TRT has decreased for all types of vessels. Available data on type of vessels and average parcel size vis-à-vis Average TRT is indicated in **Table 12** below:

Type of Vessel	2015-16		2016-17		2017-18	
	Average Parcel Size (Tonnes)	Average TRT (Days)	Average Parcel Size (Tonnes)	Average TRT (Days)	Average Parcel Size (Tonnes)	Average TRT (Days)
	(Cargo/vessels)		(Cargo/vessels)		(Cargo/vessels)	
Dry Bulk (Mech.)	52315	4.67	55738	4.25	56352	2.77
Dry Bulk (Conv.)	32199	4.81	38509	5.06	37112	4.10
Liquid Bulk	27578	3.58	29012	3.49	29960	2.91
Break Bulk	8296	4.23	8316	4.12	9218	3.41
Container	21715	1.77	21905	1.79	24283	1.76
<b>All Types</b>	<b>26526</b>	<b>3.51</b>	<b>28728</b>	<b>3.48</b>	<b>29809</b>	<b>2.91</b>

## 14 Average Output per Ship Berth-day

14.1 During the last 25 years this indicator has seen a tremendous improvement. Average Output per Ship-berth day has increased more than five times from 3,372 tonnes in 1990-91 to 19080 tonnes in 2016-17 and further increased to 20581 tonnes in 2017-18 for major ports. Average Output per Ship-berth day had doubled during 1990-91 to 2000-01 and nearly tripled during 2000-01 to 2017-18. The growth of average output per Ship-berth day is 7.87% during 2017-18 over 2016-17.

14.2 However, average output per ship-berth day is marked by substantial variation across major ports ranging from a high 33440 tonnes in case of Paradip port to a low of 6962 tonnes at Kolkata Dock System during 2017-18. This variation reflects the type of cargo being handled, level of mechanization and labour practices. Amongst the 12 major ports, improvement in average Output per Ship Berth-day during 2017-18 over the previous year is visible in all the ports except Chennai Port, NMPT, Mormugao and J.L. Nehru Port. Port-wise average output per Ship-berth day for selected years and 2012-13 onwards are given in **Table 13**.

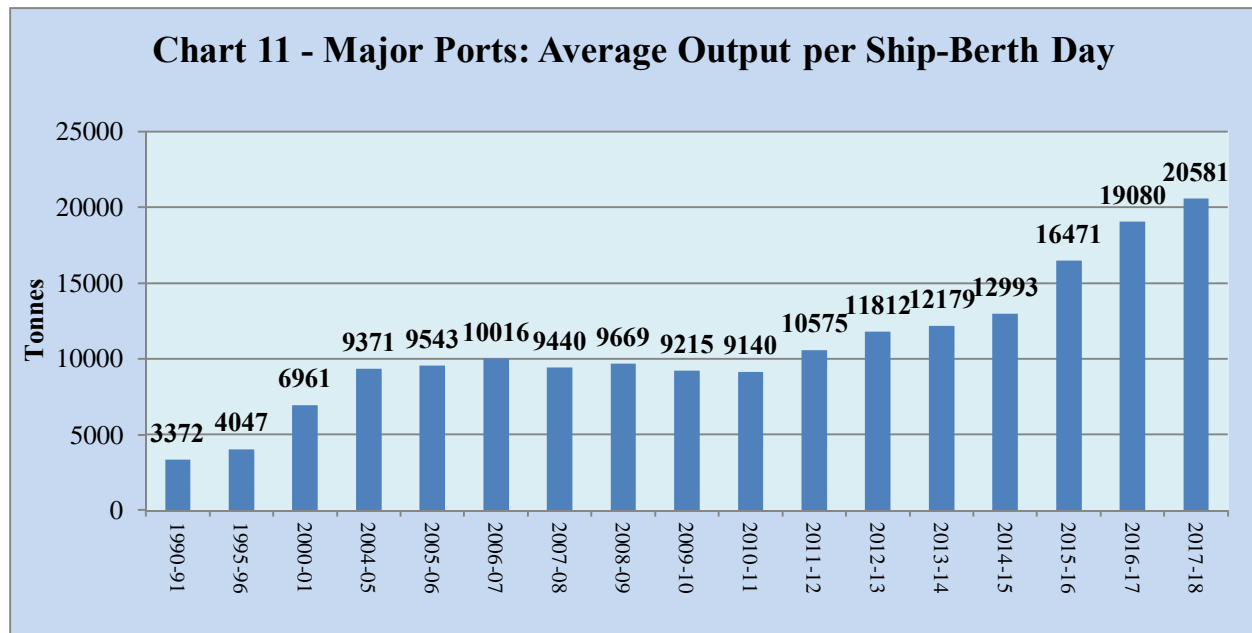
Table 13 : Average Output per Ship-Berth-Day								(Tonnes)
Port	1990-91	2000-01	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
1	2	3	4	5	6	7	8	9
Kolkata D.S	560	2305	2762	2963	3084	3201	6080	6962
Haldia D.C	5659	6384	6078	6130	6802	9126	12537	13832
Paradip	4082	8503	16625	18179	17736	26965	30245	33440
Visakhapatnam	5325	9799	10641	10925	10640	17179	16823	17592
Kamarajar	-	-	27741	22357	22613	31106	26235	28456
Chennai	3912	6977	12046	14268	14464	18976	19220	19113
V.O.Chidambarnar	2130	3983	7452	9633	10468	13619	13612	15557
Cochin	3714	6138	15878	15881	16906	20962	23539	28143
New Mangalore	4412	12192	15921	16314	19856	16165	17094	16378
Mormugao*	10429	12438	11484	10018	12272	21542	30414	24948
J.L.Nehru	-	6383	23319	23014	13518	23792	23897	22526
Mumbai	2310	4213	8709	7057	11055	18020	20915	22996
Deendayal	4417	8230	15728	15729	15159	16538	18235	22903
<b>All Ports</b>	<b>3372</b>	<b>6961</b>	<b>11812</b>	<b>12179</b>	<b>12489</b>	<b>16471</b>	<b>19080</b>	<b>20581</b>

\*Relate to dry bulk cargo for MOHP(Mech.) and Berth No. 10 &11 (Conv.)

14.2 As compared to 2016-17, the increase in average output per Ship Berth-day (all commodities except containers) in 2017-18 was of the order of 7.9%. An important determinant of output per Ship Berth-day is the composition of traffic at the port. The average out-put per Ship Berth-day by types of vessels in 2015-16, 2016-17 and 2017-18 of all commodities is presented below in **Table-14**.

<b>Table- 14 Average Output per ship Berth-day by Vessel Type</b>					
<b>Type of Vessel</b>	<b>Average Output per ship Berth-day (Tonnes)</b>				
	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>% Change (2016-17 on 2015-16)</b>	<b>% Change (2017-18 on 2016-17)</b>
Dry Bulk (Mech.)	29139	28669	30894	-1.6	7.8
Dry Bulk (Conv.)	12404	16728	17977	34.9	7.5
Liquid Bulk	20451	22412	24740	9.6	10.4
Break Bulk	3618	4176	4946	15.4	18.4
Container	22244	24099	23716	8.3	-1.6
<b>All Types</b>	<b>16471</b>	<b>19080</b>	<b>20581</b>	<b>15.8</b>	<b>7.9</b>

14.3 The average out-put per Ship Berth-day for selected years since 1990-91 to 2017-18 is presented in the **Chart -11** below.



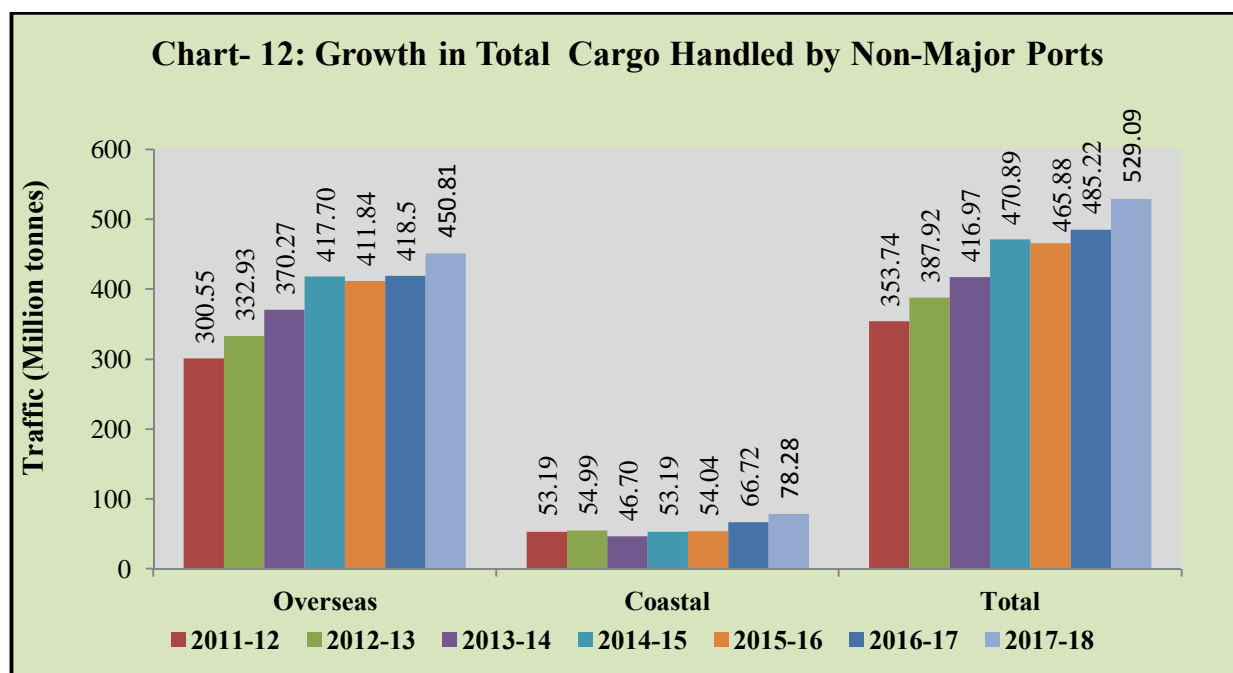
**Output per Ship Berth-day – Total tonnage handled distributed over total number of berth days**

## D. PERFORMANCE OF NON-MAJOR PORTS

### 15. CARGO TRAFFIC HANDLED

15.1 There are 205 non-major ports situated along the peninsula coast-line and sea-islands. These ports are located in Gujarat (46), Maharashtra (48), Goa (5), Daman & Diu (2), Karnataka (9), Kerala (17), Lakshdweep (10), Tamilnadu (16), Puducherry (3), Andhra Pradesh (12), Orissa (13), West Bengal (1) and Andaman & Nicobar Island (23). Out of these 205 Non-major ports, only some ports are well developed and provide all-weather berthing facilities for cargo handling. In 2017-18, 65 Non-major Ports were reported to have handled cargo traffic.

15.2 Recognizing the importance of non-major ports, maritime states have launched initiatives for their development, through the participation of private sector. This has led to significant growth in the cargo traffic handled by the non-major ports in the past few years.



15.3 Non-major ports in India collectively handled 529.09 million tonnes of traffic during the year 2017-18 as compared to 485.22 million tonnes of cargo handled in 2016-17 (Chart-12). The year-on-year growth in traffic in 2017-18 was 9.04 % as compared to 4.15% growth registered in 2016-17. At a disaggregated level, the overseas cargo traffic increased by 7.7% in 2017-18

compared to growth of 1.6% recorded in 2016-17. Coastal cargo traffic increased by 17.32% in 2017-18 compared to an increase of 23.46 % in 2016-17.

### Commodity Composition of Non-Major Port Traffic

15.4 Commodity composition of traffic handled by non-major ports during the past few years is given in **Table 15**.

<b>Table 15 : Commodity -wise Traffic Handled at Non-major Ports</b>							
							<b>(Million Tonnes)</b>
<b>Year</b>	<b>POL &amp; its Products</b>	<b>Iron Ore</b>	<b>Building Material</b>	<b>Coal*</b>	<b>Fertiliser &amp; FRM</b>	<b>Others</b>	<b>Total</b>
2005-06	69.72	28.84	13.39	13.57	5.61	18.99	150.12
	(2.88)	(34.77)	-(16.99)	(0.37)	(43.48)	(16.93)	(8.02)
2006-07	81.2	33.97	14.39	14.02	6.82	34.52	184.92
	(16.47)	(17.79)	(7.47)	(3.32)	(21.57)	(81.78)	(23.18)
2007-08	91.04	34.22	16.26	15.45	7.11	42.3	206.38
	(12.12)	(0.74)	(13.00)	(10.20)	(4.25)	(22.54)	(11.61)
2008-09	97.82	35.86	13.26	21.46	8.85	35.97	213.22
	(7.45)	(4.79)	-(18.45)	(38.90)	(24.47)	-(14.96)	(3.31)
2009-10	137.72	48.81	13.14	41.28	9.5	38.49	288.94
	(40.79)	(36.11)	-(0.90)	(92.36)	(7.34)	(7.01)	(35.51)
2010-11	145.38	38.27	12.33	58.46	12.72	48.2	315.36
	(5.56)	-(21.59)	-(6.16)	(41.62)	(33.89)	(25.23)	(9.14)
2011-12	156.32	30.62	12.87	79.04	15.74	59.16	353.75
	(7.53)	-(19.99)	(4.38)	(35.20)	(23.74)	(22.74)	(12.17)
2012-13	168.57	21.86	11.95	109.26	12.55	63.74	387.93
	(7.84)	-(28.61)	-(7.15)	(38.23)	-(20.27)	(7.74)	(9.66)
2013-14	169.78	18.34	14.18	126.32	12.01	76.35	416.97
	(0.72)	-(16.11)	(18.64)	(15.62)	-(4.30)	(19.78)	(7.49)
2014-15	167.28	26.79	14.22	156.74	13.95	91.90	470.888
	-(1.47)	(46.11)	(0.32)	(24.08)	(16.17)	(20.38)	(12.93)
2015-16	180.64	17.38	14.17	141.87	16.95	94.85	465.87
	(7.99)	-(35.12)	-(0.36)	-(9.48)	(21.46)	(3.21)	-(1.07)
2016-17	(186.07)	(34.45)	(15.17)	(133.76)	(14.24)	(101.53)	485.22
	(3.01)	(98.18)	(7.03)	-(5.72)	-(15.97)	(7.04)	(4.15)
<b>2017-18</b>	<b>(193.42)</b>	<b>(36.60)</b>	<b>(15.59)</b>	<b>(146.68)</b>	<b>(11.71)</b>	<b>(125.09)</b>	<b>529.09</b>
	<b>(3.95)</b>	<b>(6.22)</b>	<b>(2.75)</b>	<b>(9.67)</b>	<b>-(17.72)</b>	<b>(23.20)</b>	<b>(9.04)</b>

Note: Figures in parenthesis indicate growth over the previous year. \*Thermal Coal & Coking Coal



15.5 POL & its products (36.6%) was the single largest commodity handled at non major ports in 2017-18. The share of POL has decreased from 38.3% to 36.6% in 2017-18 compared to 2016-17. The share of POL & its products had ranged between 41% to 48% (in 2005-06 to 2013-14). It is observed that during the previous three years, the relative shares of commodities in the cargo basket have not shown any pronounced shift. During 2017-18 the share of Coal in the total traffic was 27.7% followed by other cargo (23.6%), Iron ore (6.9%), Building Material (2.9%) and Fertilizer & FRM (2.2%).

## 16 Maritime States – Non-Major Ports

16.1 Maritime State-wise traffic handled at non-major ports in the recent years is given in

Table 16 below:

Table 16 : Traffic Handled by Non-Major Ports – Maritime State-wise									
Year	Traffic Handled (Million Tonnes)								Total
	Gujarat	Maharashtra	AP	Goa	Tamil Nadu	Karnataka	Odisha	Others	
2006-07	131.27	11.58	18.61	14.31	0.81	6.56		1.78	184.92
	(26.79)	(3.76)	(5.32)	(21.68)	(14.08)	(59.22)		(52.14)	(23.18)
2007-08	150.52	11.36	19.29	12.83	0.89	8.9	0.3	2.29	206.38
	(14.66)	(-1.90)	(3.65)	(-10.34)	(9.88)	(35.67)		(28.65)	(11.61)
2008-09	152.81	10.42	29.72	11.9	0.9	4.97	0.3	2.2	213.22
	(1.52)	(-8.27)	(54.07)	(-7.25)	(1.12)	(-44.16)	(0.00)	(-3.93)	(3.31)
2009-10	205.58	12.05	43.69	13.9	1.17	8.55	0.47	3.53	288.94
	(34.53)	(15.64)	(47.01)	(16.81)	(30.00)	(72.03)	(56.67)	(60.45)	(35.51)
2010-11	230.91	14.88	43.27	14.58	1.61	3.1	0.47	6.54	315.36
	(12.32)	(23.49)	(-0.96)	(4.89)	(37.61)	(-63.74)	(0.00)	(85.27)	(9.14)
2011-12	259.05	19.95	45.63	14.47	1.21	0.59	5.08	7.77	353.75
	(12.19)	(34.07)	(5.45)	(-0.75)	(-24.84)	(-80.97)	(980.85)	(18.81)	(12.17)
2012-13	287.82	24.2	51.81	3.39	0.93	0.61	11.07	8.1	387.93
	(11.11)	(21.30)	(13.54)	(-76.57)	(-23.14)	(3.39)	(117.91)	(4.25)	(9.66)
2013-14	309.95	24.66	58.69	0.28	0.87	0.51	14.37	7.64	416.97
	(7.69)	(1.92)	(13.28)	(-91.62)	(-6.88)	(-16.56)	(29.81)	(-5.68)	(7.49)
2014-15	336.10	27.30	83.42	0.76	0.83	0.65	15.45	6.39	470.89
	(8.44)	(10.67)	(42.13)	(167.61)	(-4.73)	(27.90)	(7.52)	(-16.31)	(12.93)
2015-16	339.78	28.85	72.73	0.43	0.86	0.84	14.95	7.44	465.87
	(1.10)	(5.69)	(-12.81)	(-43.42)	(3.76)	(28.26)	(-3.24)	(16.36)	(-1.07)
2016-17	345.74	34.89	69.60	0.12	1.15	0.71	22.47	10.53	485.21
	(1.75)	(20.94)	(-4.31)	(-72.79)	(34.58)	(-15.21)	(50.30)	(41.55)	(4.15)
2017-18	370.77	37.91	86.29	0.07	1.10	0.68	22.60	9.67	529.09
	(7.24)	(8.64)	(23.97)	(-38.46)	(-4.25)	(-3.95)	(0.58)	(-8.18)	(9.04)

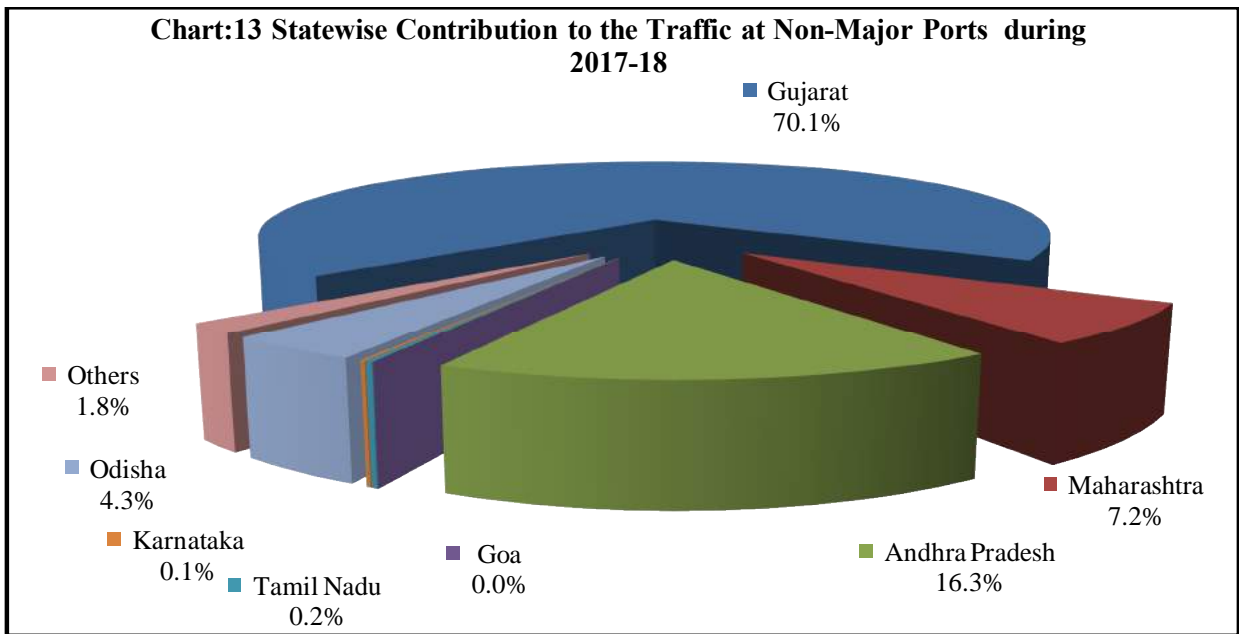
(1) Others consists of non-major ports in all other maritime States/UTs  
Note: Figures in parenthesis indicate growth over the previous year.

16.2 The overall increase of 9.04% in cargo handled at non-major ports during 2017-18 was mainly driven by traffic increased in Gujarat, Maharashtra and Andhra Pradesh. The Cargo handled at the non major ports in Gujarat, Maharashtra and Andhra Pradesh has witnessed positive growth of 7.2%, 8.6% and 24.0% respectively. The share of traffic handled by non-major ports in the maritime states is given in **Table 17** below:

Year	Traffic Handled ( In Percentage)								
	Gujarat	Maharashtra	AP	Goa	Tamil Nadu	Karnataka	Odisha	Others	Total
2005-06	69.0	7.4	11.8	7.8	0.5	2.7		0.8	100.0
2006-07	71.0	6.3	10.1	7.7	0.4	3.5	0.0	1.0	100.0
2007-08	72.9	5.5	9.3	6.2	0.4	4.3	0.1	1.3	100.0
2008-09	71.7	4.9	13.9	5.6	0.4	2.3	0.1	1.1	100.0
2009-10	71.1	4.2	15.1	4.8	0.4	3.0	0.2	1.2	100.0
2010-11	73.2	4.7	13.7	4.6	0.5	1.0	0.1	2.2	100.0
2011-12	73.2	5.6	12.9	4.1	0.3	0.2	1.4	2.3	100.0
2012-13	74.2	6.2	13.4	0.9	0.2	0.2	2.9	2.0	100.0
2013-14	74.3	5.9	14.1	0.1	0.2	0.1	3.4	1.9	100.0
2014-15	71.4	5.8	17.7	0.2	0.2	0.1	3.3	1.3	100.0
2015-16	72.9	6.2	15.6	0.1	0.2	0.2	3.2	1.6	100.0
2016-17	71.3	7.2	14.3	0.0	0.2	0.1	4.6	2.2	100.0
2017-18	70.1	7.2	16.3	0.0	0.2	0.1	4.3	1.8	100.0

Note: (1) -Others consists of non-major ports in all other maritime States/UTs

16.3 Gujarat continues to be the leading maritime State, accounting for around 70.1% of the total non-major port cargo traffic in 2017-18. The other major contributing States to the cargo traffic at non-major ports during 2017-18 were: Andhra Pradesh (16.3%), Maharashtra (7.2%) and Odisha (4.3%). The contributions of Tamil Nadu (0.2%), Goa (0.0%) and Karnataka (0.1%) were negligible. The remaining 2.2% of the cargo was handled by all the other Maritime States/UTs. This is brought out in the **Chart 13** below:



## 17. CARGO TRAFFIC HANDLED at NON-MAJOR PORTS – STATE-WISE ANALYSIS

### 17.1 GUJARAT

17.1.1 Gujarat is a principal maritime State with a natural coastline of about 1215 kms. (16% of India's total coast line). The State has 46 non-major ports which are under the jurisdiction of Gujarat Maritime Board (GMB) since April, 1982. Out of 46 non-major ports, traffic is handled at 18 non-major ports. The remaining 28 non-major ports are used for fishing activities and have negligible traffic.

17.1.2 Gujarat has the advantage of a vast hinterland covering the Northern and Central Indian States and as a result, there is high demand for the services offered by the non-major ports in Gujarat. The participation of the private sector has been a significant contributing factor in the development of non-major ports in Gujarat.

17.1.3 The total cargo traffic handled at the non-major ports of Gujarat during 2017-18 was of the order of 370.77 million tonnes as against 345.74 million tonnes in 2016-17, reflecting an increase of 7.24% compared to 1.75% in 2016-17. Non-major ports of Gujarat account for around 70.1% of the total cargo handled by non-major ports in India during 2017-18. Overseas

traffic in 2017-18 was 328.20 million tonnes with the remaining 42.55 million tonnes being coastal traffic. The traffic handled at important non-major ports of Gujarat during the past few years is brought out in the **Table -18** below:

<b>Table 18 : Gujarat : Traffic Achieved at Select Non-Major Ports</b>										
<b>Year</b>	<b>Traffic Handled (Million Tonnes)</b>									
	<b>Sikka</b>	<b>Mag-dalla</b>	<b>Jafara-bad</b>	<b>Bedi</b>	<b>Mul-Dwarka</b>	<b>GAPL</b>	<b>Dahej</b>	<b>Pipavav (Inc. GPPL)</b>	<b>Others</b>	<b>Total</b>
2005-06	52.18	13.32	4.36	4.44	3.85	8.16	8.84	2.01	6.37	103.53
2006-07	60.25	14.27	5.5	4.16	4.08	19.72	10.09	3.66	9.54	131.27
2007-08	61.88	14.17	8.69	5.3	3.79	19.85	11.44	1.65	23.75	150.52
2008-09	65.28	14.05	4.81	2.6	3.43	35.62	11	3.71	12.31	152.81
2009-10	107.19	16.29	5.45	2.04	3.17	39.6	12.53	6.85	12.46	205.58
2010-11	115.41	18.52	4.46	2.12	3.85	51.91	14.31	7.82	12.51	230.91
2011-12	118.04	20.38	4.12	2.72	3.82	64.79	17.62	9.27	18.29	259.05
2012-13	124.52	22.67	3.41	6.7	3.45	76.94	22.26	8.06	19.81	287.82
2013-14	125.23	19.54	3.43	7.75	3.11	96.22	21.62	9.07	23.98	309.95
2014-15	124.38	20.47	3.75	8.59	3.26	105.86	27.09	11.08	31.61	336.09
2015-16	127.53	21.66	3.69	8.35	3.16	103.47	24.91	9.12	37.88	339.78
2016-17	126.59	25.79	4.68	6.28	3.19	104.55	26.57	8.44	39.65	345.74
<b>2017-18</b>	<b>129.45</b>	<b>29.81</b>	<b>5.58</b>	<b>5.25</b>	<b>3.47</b>	<b>115.76</b>	<b>31.18</b>	<b>8.74</b>	<b>41.53</b>	<b>370.77</b>

17.1.4 Sikka Port handled the highest cargo tonnage of 129.45 million tonnes in 2017-18 compared to 126.59 million tonnes handled in 2016-17. This port accounted for 34.9% of the total cargo handled by the non-major ports in Gujarat in 2017-18, and has witnessed increase in the cargo traffic ever since the commissioning of Reliance Jamnagar maritime terminal facility. More than 99% of the traffic handled at the port relates to POL & its products.

17.1.5 Gujarat Adani Port Ltd. (GAPL) handled 115.76 million tonnes (31.2%) of the total cargo in 2017-18. Main commodities handled by GAPL port are POL & its products and Coal. Magdalla accounted for 29.81 million tonnes (8.0%) of the cargo traffic in 2017-18. Major commodities handled by the port are Iron Ore, POL & its product, and Building Material.

17.1.6 Dahej Port handled 31.18 million tonnes of cargo in 2017-18 with a share of 8.4% in total traffic. The important ports which showed increase in the cargo handled during 2017-18 were Sikka, Magdallam Jafrabad, Mul-dwarka, GAPL, Dahej and Pipapav; while Bedi port witnessed a decrease in cargo traffic in 2017-18.

17.1.7 Commodity-wise analysis of the total cargo handled by the non-major ports in Gujarat indicates that POL and other petroleum products continued to be the major cargo commodity group handled in 2017-18 (Table 19).

<b>Table 19 : Commodity-wise Traffic Handled at Gujarat Non-Major Ports</b>							
<b>Year</b>	<b>Traffic Handled (Million Tonnes)</b>						
	<b>POL &amp; Products</b>	<b>Coal</b>	<b>Building Material</b>	<b>Fertilizer &amp; FRM</b>	<b>Iron Ore</b>	<b>Others</b>	<b>Total</b>
2005-06	60.15	10.54	11	3.64	5.19	13.01	103.53
2006-07	71.16	11.31	11.23	4.21	5.71	27.65	131.27
2007-08	80.48	13.31	12.43	4.36	6.08	33.86	144.44
2008-09	87.38	16.46	9.59	5.09	5.9	28.39	152.81
2009-10	132.82	21.64	9.32	5.02	6.84	29.94	205.58
2010-11	140.87	29.73	8.8	6.09	7.16	38.26	230.91
2011-12	151.49	38.37	9.02	7.19	6.92	46.06	259.05
2012-13	165.14	54.34	8.41	6.42	7.64	45.89	287.84
2013-14	165.58	65.76	10.00	5.95	5.17	57.49	309.95
2014-15	163.63	79.99	8.93	7.53	5.63	70.39	336.10
2015-16	174.88	65.90	9.08	10.33	7.51	72.08	339.78
2016-17	180.32	62.42	9.73	8.70	9.38	75.19	345.74
<b>2017-18</b>	<b>188.47</b>	<b>65.96</b>	<b>10.51</b>	<b>5.48</b>	<b>11.58</b>	<b>88.77</b>	<b>370.77</b>

17.1.8 POL & products accounted for 50.8% of the total cargo handled in 2017-18. This was followed by Coal (17.8%), Iron Ore (3.1%), Building Material (2.8%) and Fertilizer & FRM (1.5%).

## **17.2 ANDHRA PRADESH**

17.2.1 Andhra Pradesh is another important maritime State with a coast line of around 975 Kms. There are 12 non-major ports in Andhra Pradesh, of these, 5 ports normally handled cargo traffic and these are: Rawa, Kakinada Anchorage, Kakinada Deep Water Port,

Gangavaram and Krishnapatnam. The State share in the total traffic handled by all non-major ports in the country during 2017-18 was 16.3%.

17.2.2 Non-major ports in Andhra Pradesh collectively handled 86.28 million tonnes of cargo during 2017-18 compared with 69.61 million tonnes in 2016-17, registering an increase of 23.97 % in traffic. The overseas traffic during 2017-18 was 75.07 million tonnes (87%) of the total cargo traffic in non major ports of Andhra Pradesh and coastal traffic was of the order of 11.21 million tonnes (13%) of total cargo traffic.

**Table 20** below gives the port wise details of the cargo handled at non-major ports in Andhra Pradesh from 2005-06 onwards and during 2017-18.

<b>Table 20 : Traffic Achieved at Selected Non-Major Ports – Andhra Pradesh</b>						
<b>Year</b>	<b>Traffic Handled (Million Tonnes) – Port Wise</b>					
	<b>Rawa</b>	<b>Kakinada Anchorage</b>	<b>Kakinada Deep Water Port</b>	<b>Ganga-varam</b>	<b>Krishna-patnam</b>	<b>Total</b>
2005-06	2.66	2.83	12.18	-	-	17.67
2006-07	2.65	3.78	12.18	-	-	18.61
2007-08	2.63	4.02	12.64	-	-	19.29
2008-09	2.18	2.19	14.51	2.63	8.21	29.72
2009-10	1.85	0.82	11.94	12.95	16.13	43.69
2010-11	1.56	1.15	10.81	13.84	15.91	43.27
2011-12	3.2	3.16	9.85	14	15.42	45.63
2012-13	1.37	3.95	12.32	13.05	21.12	51.81
2013-14	1.54	2.74	13.40	15.81	25.2	58.69
2014-15	1.28	2.70	17.96	20.74	40.74	83.42
2015-16	1.30	2.07	14.97	19.35	35.05	72.73
2016-17	1.01	1.96	12.49	18.04	36.11	69.61
<b>2017-18</b>	<b>0.97</b>	<b>2.01</b>	<b>12.25</b>	<b>25.79</b>	<b>45.26</b>	<b>86.28</b>

17.2.3 Commodity-wise analysis of the total cargo handled by the non-major ports in Andhra Pradesh indicates that Coal (52.5%), Other Cargo (33.1%) and Iron ore (6.9%) were the three principal items of cargo handled during 2017-18 by the Non-Major Ports of Andhra Pradesh (**Table 21**).

17.2.4 As seen from **Table 21** below, traffic in the Coal has shown an increasing trend till 2013-14. However, during 2014-15, it decreased from 48.66 million tonnes to 35.96 million tonnes and again increased to 46.2 million tonnes in 2015-16. This again decreased to 39.52 million tonnes in 2016-17 and shown a growth of 14.5% during 2017-18 (45.26 million tonnes). The trend for iron ore has reversed sharply in 2010-11 due to ban on mining of Iron Ore in Andhra Pradesh. In 2014-15, Iron ore has shown robust growth from 1.47 million tonnes in 2013-14 to 10.53 million tonnes in 2014-15 but again declined to 2.98 million tonnes in 2016-17. In year, 2017-18 it has again shown a robust growth of 99.6%.

<b>Table 21 : Commodity-wise Traffic Handled at Andhra Pradesh Non-Major Ports</b>						
<b>Traffic Handled (Million Tonnes)</b>						
<b>Year</b>	<b>POL &amp; Products</b>	<b>Iron ore</b>	<b>Fertilizer &amp; FRM</b>	<b>Coal</b>	<b>Others</b>	<b>Total</b>
2005-06	8.51	3.88	1.84	0.14	3.3	17.67
2006-07	8.49	3.88	1.95	0.14	4.15	18.61
2007-08	9.21	3.59	1.98	0.05	4.46	19.29
2008-09	9.44	9.47	3.23	3.52	4.06	29.72
2009-10	3.67	15.26	4.17	15.24	5.35	43.69
2010-11	2.79	8.96	5.8	19.62	6.1	43.27
2011-12	3.51	2.97	7.04	23.51	8.6	45.63
2012-13	1.76	0.98	5.13	30.85	13.09	51.81
2013-14	1.71	1.47	5.45	48.66	14.1	71.39
2014-15	1.40	10.53	5.36	35.96	17.47	70.72
2015-16	1.43	1.62	5.95	46.20	17.53	72.73
2016-17	2.71	2.98	4.87	39.52	19.52	69.60
<b>2017-18</b>	<b>1.45</b>	<b>5.95</b>	<b>5.11</b>	<b>45.26</b>	<b>28.52</b>	<b>86.29</b>

### 17.3 MAHARASHTRA

17.3.1 Maharashtra has a coast line of around 653 Kms with 48 notified non-major ports. Out of these only 14 ports handled cargo traffic during 2017-18.

17.3.2 The total cargo traffic handled at the non-major ports of Maharashtra during 2017-18 was 37.91 million tonnes compared with 34.89 million tonnes in 2016-17. This represents a growth of 8.7%. Out of 37.91 million tonnes of total cargo handled by Non-Major ports in

Maharashtra, 19.96 million tonnes (52.7%) was overseas cargo and the remaining 17.94 million tonnes (47.3%) was coastal cargo.

17.3.3 Overseas traffic of 19.96 million tonnes has shown a decline of 21.1% in 2017-18 from 25.3 million tonnes in 2016-17 whereas coastal traffic at 17.94 million tonnes has shown an increase of 86.5% from 9.6 million tonnes in 2016-17. The port-wise traffic at non-major ports of Maharashtra is brought out in **Table 22** below. Dharamtar is the leading non-major port of Maharashtra with traffic of 14.87 million tonnes accounting for 39.2% of total traffic at non-major ports handled in the State.

<b>Table 22 : Traffic Achieved at Select Non-Major Ports – Maharashtra</b>						
<b>Year</b>	<b>Traffic Handled (Million Tonnes)</b>					
	<b>Dharamtar</b>	<b>Revdanda</b>	<b>Ulwa-Belapur</b>	<b>Ratnagiri</b>	<b>Others</b>	<b>Total</b>
2005-06	6.27	0.96	1.2	0.65	2.08	11.16
2006-07	6.8	1.02	1.28	0.66	1.82	11.58
2007-08	6.32	1.15	1.41	0.72	1.76	11.36
2008-09	5.09	1.03	1.56	0.73	2.01	10.42
2009-10	6.84	1.24	1.52	0.7	1.75	12.05
2010-11	7.08	1.67	1.62	0.96	3.55	14.88
2011-12	7.52	1.31	1.66	0.83	8.63	19.95
2012-13	9.72	1.35	1.43	0.86	10.84	24.2
2013-14	10.18	1.05	0	0.67	12.76	24.66
2014-15	10.17	1.14	1.62	0.80	13.56	27.29
2015-16	9.89	1.34	1.62	0.71	15.29	28.85
2016-17	14.28	1.40	1.67	0.73	16.81	34.89
<b>2017-18</b>	<b>14.87</b>	<b>1.98</b>	<b>1.70</b>	<b>0.77</b>	<b>18.60</b>	<b>37.91</b>

17.3.4 Commodity-wise break-up of the cargo handled by the non-major ports of Maharashtra indicates that Coal traffic of 15.48 million tonnes constituted (40.8%) of the total cargo handled in 2016-17 followed by Iron ore (35.3%), Other commodities (17.2%) and POL & Products (6.7%) shown in the **Table 23**. As seen from the table, all commodities have shown growth in traffic in 2017-18 as compared to 2016-17 except Iron ore and Building Materials.



<b>Table 23 : Commodity-wise Traffic Achieved at Non-Major Ports – Maharashtra</b>						
<b>Year</b>	<b>Traffic Handled (Million Tonnes)</b>					
	<b>Iron Ore</b>	<b>Building Material</b>	<b>POL &amp; Products</b>	<b>Coal</b>	<b>Others</b>	<b>Total</b>
2005-06	4.95	1.49	0.23	2.55	1.94	11.16
2006-07	4.58	1.77	0.58	2.29	2.36	11.58
2007-08	3.74	2.25	0.4	2	2.97	11.36
2008-09	4.27	2.35	-	1.46	2.34	10.42
2009-10	5.06	2.2	-	2.88	1.91	12.05
2010-11	5.12	2.28	-	5	2.48	14.88
2011-12	6.36	2.49	-	7.59	3.51	19.95
2012-13	7.82	2.04	0.4	10.4	3.54	24.2
2013-14	7.62	2.00	1.12	9.72	4.21	24.67
2014-15	8.82	2.12	1.25	10.92	4.18	27.30
2015-16	7.61	2.24	3.23	12.17	3.60	28.85
2016-17	15.05	2.51	2.16	11.14	4.03	34.89
<b>2017-18</b>	<b>13.38</b>	<b>2.13</b>	<b>2.53</b>	<b>15.48</b>	<b>4.39</b>	<b>37.91</b>

## 17.4 GOA

17.4.1 Goa has a coastline of about 118 Kms. There are 5 non-major ports in Goa. Of this only one port, Panaji normally handles cargo traffic. Panaji port handled cargo traffic of 0.07 million tonnes during 2017-18 compared with 0.12 million tonnes handled in the previous year with negative growth rate of 38.5%. The commodity composition of traffic is brought out in **Table 24**.

17.4.2 Iron Ore has been the principal commodity handled at the port, but due to ban on mining of Iron Ore, the cargo traffic at minor port of Goa had declined drastically after 2011-12. The Coal handled decreased from 0.41 million tonnes in 2014-15 to zero during 2017-18.

<b>Table 24 : Commodity-wise Traffic Handled at Non-Major Ports – GOA</b>					
<b>Year</b>	<b>Traffic Handled (Million Tonnes)</b>				
	<b>Iron Ore</b>	<b>Coal</b>	<b>Iron &amp; Steel</b>	<b>Others</b>	<b>Total</b>
2005-06	11.43	0.33	Neg.	-	11.76
2006-07	14.03	0.28	-	-	14.31
2007-08	12.74	0.09	-	-	12.83
2008-09	11.9	-	-	-	11.9
2009-10	13.68	0.22	-	-	13.9
2010-11	14.58	-	-	-	14.58
2011-12	14.31	0.16	-	-	14.47
2012-13	3.28	0.11	-	-	3.39
2013-14	0.00	0.28	-	-	0.28
2014-15	0.35	0.41	-	-	0.76
2015-16	0.26	0.17	-	-	0.43
<b>2016-17</b>	<b>0.12</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.12</b>
<b>2017-18</b>	<b>0.07</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.07</b>

Note: - Negligible

## 17.5 KARNATAKA

17.5.1 Karnataka has a coastline of around 280 Kms. with 9 non-major ports. Out of these 4 ports normally handle cargo traffic. During 2017-18, non-major ports in the State handled 0.68 million tonnes of cargo traffic as compared to 0.71 million tonnes in 2016-17 reflecting decrease of 4.2% over the previous year. The port-wise cargo traffic handled in Karnataka is given in **Table 25**.

17.5.2 Belekri, the leading port of Karnataka which handled 1.83 million tonnes of cargo during 2010-11, could not handle any cargo 2011-12 onwards due to ban on mining of Iron Ore in Karnataka. The contribution of the Belekri to the total cargo handled by the non-major ports of Karnataka was 59% in 2010-11. Karwar the second leading port of Karnataka handled 0.60 million tonnes of cargo and Old Manglore handled 0.08 million tonnes of cargo during 2017-18.

Year	Traffic Handled (Million Tonnes)					
	Karwar	Old Mangalore	Malpe	Belekri	Others	Total
2005-06	2.47	0.08	0.02	1.55	-	4.12
2006-07	2.38	0.09	0.01	4.08	-	6.56
2007-08	2.72	0.08	0.01	6.09	-	8.9
2008-09	2.96	0.09	0.01	1.91	-	4.97
2009-10	2.2	0.08	-	6.27	-	8.55
2010-11	1.13	0.14	-	1.83	-	3.1
2011-12	0.5	0.09	-	-	-	0.59
2012-13	0.44	0.16	-	-	0.01	0.61
2013-14	0.38	0.13	-	-	0.00	0.51
2014-15	0.53	0.12	-	-	0.00	0.65
2015-16	0.72	0.12	-	-	0.00	0.84
2016-17	0.58	0.12	-	-	0.01	0.71
<b>2017-18</b>	<b>0.60</b>	<b>0.08</b>	<b>0.00</b>		<b>0.00</b>	<b>0.68</b>

17.5.3 Commodity-wise breakup of the cargo traffic handled by the non-major ports of Karnataka is given in Table 26.

Year	Traffic Handled (Million Tonnes)						
	POL & Products	Granite	Fertiliser & FRM	Salt	Iron Ore	Others	Total
2005-06	0.1	0.25	0.03	0.1	3.4	0.24	4.12
2006-07	0.14	0.34	0.1	0.07	5.77	0.14	6.56
2007-08	0.05	0.31	0.04	0.08	8.04	0.38	8.90
2008-09	0.02	0.44	0.03	0.07	4.28	0.13	4.97
2009-10	0.04	0.34	-	0.08	7.84	0.22	8.52
2010-11	0.03	0.36	0.02	0.03	2.32	0.31	3.07
2011-12	-	0.23	0.03	0.06	-	0.27	0.59
2012-13	0.04	0.05	0.05	0.05	-	0.42	0.61
2013-14	0.04	0.00	0.08	0.00	-	0.40	0.51
2014-15	0.04	0.00	0.05	0.05	-	0.52	0.66
2015-16	0.08	0.00	0.06	0.00	-	0.70	0.84
2016-17	0.11		0.04	0.10		0.46	0.71
<b>2017-18</b>	<b>0.18</b>		<b>0.04</b>	<b>0.10</b>		<b>0.42</b>	<b>0.68</b>

## 17.6 TAMIL NADU

17.6.1 Tamil Nadu has a coastline of around 906 Kms. The State has 16 non-major ports, out of which only 5 ports handled cargo traffic. During 2017-18 the non-major ports in Tamil Nadu collectively handled 1.10 million tonnes of cargo traffic as compared to 1.15 million tonnes in the previous year with decrease of growth of 4.3%. The port-wise traffic is brought out in the **Table 27** below.

<b>Table 27 : Traffic Achieved at Select Non-Major Ports-Tamil Nadu</b>							
<b>Year</b>	<b>Traffic Handled (Million Tonnes)</b>						<b>Total</b>
	<b>Kamarajar</b>	<b>PY-3</b>	<b>Naga-pattinam</b>	<b>Tirukka-daiyur</b>	<b>Cuddalore</b>	<b>Others</b>	
2005-06	0.06	0.26	0.34	0.05	-	-	0.71
2006-07	0.07	0.26	0.31	0.15	0.02	-	0.81
2007-08	0.05	0.16	0.33	0.27	0.08	-	0.89
2008-09	0.02	0.12	0.39	0.36	0.01	-	0.9
2009-10*	0.04	0.07	0.6	0.33	0.12	-	1.16
2010-11*	0.06	0.15	0.86	0.33	0.21	-	1.61
2011-12	0.05	0.06	0.63	0.23	0.24	-	1.21
2012-13	0.03	-	0.37	0.27	0.25	0.01	0.93
2013-14	0.04	0.00	0.31	0.24	0.27	0.01	0.87
2014-15	0.06	0.00	0.22	0.20	0.24	0.11	0.83
2015-16	0.03	0.00	0.30	0.03	0.26	0.25	0.86
2016-17	0.04	0.00	0.30	0.04	0.29	0.48	1.15
<b>2017-18</b>	<b>0.03</b>	<b>0.00</b>	<b>0.44</b>	<b>0.00</b>	<b>0.28</b>	<b>0.34</b>	<b>1.10</b>

17.6.2 Nagapattinam port handled the maximum traffic of 0.44 million tonnes during 2017-18 accounting for 40.2% followed by Kattupalli port (0.34 million tonnes) accounting for 30.7% and Other Ports (0.32 million tonnes) accounted for 29.1% of the total traffic handled by all the non major ports in the State.

17.6.3 The commodity-wise breakup of traffic handled at non-major ports in Tamil Nadu indicate that POL & products constitute to be the major item of cargo handled (38.4%) followed

by other commodities (0.66 million tonnes) with a share of 59.5% of the traffic as shown in the **Table 28.**

<b>Table 28 : Commodity-wise Traffic Handled at Non-Major Ports-Tamil Nadu</b>					
<b>Year</b>	<b>Traffic Handled (Million Tonnes)</b>				
	<b>POL &amp; Products</b>	<b>Fertiliser &amp; FRM</b>	<b>Edible Oil</b>	<b>Others</b>	<b>Total</b>
2005-06	0.59	0.06	0.02	0.04	0.71
2006-07	0.67	0.07	0.03	0.04	0.81
2007-08	0.71	0.09	0.03	0.06	0.89
2008-09	0.8	0.02	0.05	0.03	0.90
2009-10	1.04	0.05	0.05	0.03	1.17
2010-11	1.5	0.06	0.04	0.01	1.61
2011-12	1.11	0.05	0.03	0.02	1.21
2012-13	0.63	0.25	0.02	0.03	0.93
2013-14	0.79	0.04	0.00	0.04	0.87
2014-15	0.42	0.29	0.00	0.12	0.83
2015-16	0.54	0.03	0.03	0.28	0.88
2016-17	0.30	0.04	0.04	0.77	1.15
<b>2017-18</b>	<b>0.42</b>	<b>0.03</b>	<b>0.02</b>	<b>0.63</b>	<b>1.10</b>

## **17.7 ODISHA**

17.7.1 Odisha has a Coast line of 480 Kms. from Andhra Pradesh border in Ganjam District to West Bengal border in Balasore District. It is endowed with conducive, unique, natural and strategic port locations. The Government of Odisha identified 14 potential sites for development of Minor Ports. To facilitate developers for development of Minor Ports, Government of Orissa framed the Port Policy during the year 2004.

17.7.2 The advantages for development of sea ports in Odisha includes availability of a vast hinterland generating cargo, comprising of other developing Eastern and Central Indian States, mineral rich hinterland which offers long term potential for cargo which need seaport facility in Orissa. The State has 13 non-major ports, out of which only 2 ports handled cargo traffic. During 2017-18 the non-major ports in Odisha collectively handled 22.60 million tonnes

of cargo traffic as compared to 22.47 million tonnes in the previous year showing a growth of 0.5%. The port-wise traffic is brought out in the **Table 29**.

<b>Table 29 : Traffic Achieved at Select Non-Major Ports-Odisha</b>			
<b>Year</b>	<b>Traffic Handled (Million Tonnes)</b>		
	<b>Dhamra*</b>	<b>Gopalpur</b>	<b>Total</b>
2007-08	-	0.30	0.30
2008-09	-	0.30	0.30
2009-10	-	0.47	0.47
2010-11	-	0.47	0.47
2011-12	5.08		5.08
2012-13	11.07	-	11.07
2013-14	14.30	0.07	14.37
2014-15	15.45	-	15.45
2015-16	14.71	0.24	14.95
2016-17	21.42	1.05	22.47
<b>2017-18</b>	<b>21.45</b>	<b>1.15</b>	<b>22.60</b>

\* Dhamra Port started operations in May, 2011.

17.7.3 The commodity-wise breakup of traffic handled at non-major ports in Odisha indicate that Coal constitute the major item of cargo handled (13.8 million tonnes) with a share of 61.3% followed by Iron ore (4.92 million tonnes) with a share of 21.7% as shown in the **Table 30**.

<b>Table 30 : Commodity-wise Traffic Handled at Non-Major Ports-Odisha</b>					
<b>Year</b>	<b>Traffic Handled (Million Tonnes)</b>				
	<b>Fertiliser &amp;</b>	<b>Iron Ore</b>	<b>Coal</b>	<b>Others</b>	<b>Total</b>
2007-08	0.20	0.04	0.00	0.05	0.30
2008-09	0.20	0.04	0.00	0.05	0.30
2009-10	0.03	0.13	0.14	0.16	0.47
2010-11	0.03	0.13	0.14	0.16	0.47
2011-12	0.00	0.06	4.56	0.47	5.08
2012-13	0.00	1.65	8.89	0.52	11.07
2013-14	0.00	3.49	10.15	0.73	14.37
2014-15	0.00	1.13	13.41	0.92	15.45
2015-16	0.00	0.31	12.77	1.87	14.95
2016-17	0.28	6.43	13.71	2.06	22.47
<b>2017-18</b>	<b>0.13</b>	<b>4.92</b>	<b>13.86</b>	<b>3.69</b>	<b>22.60</b>

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## **SECTION – II**

### ***1. VITAL PORT STATISTICS***

**Table 1.1 Number of Major and Non-Major Ports in the Maritime States**

(As on 31.3.2018)

State / U.T.	Number of Major Ports	Number of Non-Major Ports(a)	Total Number of Ports
1	2	3	4
<b><u>WEST COAST</u></b>			
Gujarat	1	46	47
Maharashtra	2	48	50
Goa	1	5	6
Daman & Diu	-	2	2
Karnataka	1	9	10
Kerala	1	17	18
Lakshadweep Islands	-	10	10
<b><u>EAST COAST</u></b>			
Tamil Nadu	3	16	19
Puducherry	-	3	3
Andhra Pradesh	1	12	13
Odisha	1	13	14
West Bengal	1	1	2
Andaman & Nicobar Islands	-	23	23
<b>TOTAL</b>	<b>12</b>	<b>205</b>	<b>217</b>

Note : (a) This includes working, non working and captive Ports.

For details see Table 1.2.

Source : M/O Shipping



**Table 1.2 List of Non-Major Ports**

(As on 31.3.2018)

<b>GUJARAT</b>	12 Thane	<b>KARNATAKA</b>	12 Kudankulam
1 Mandvi*	13 Versova	1 Mangalore*	13 Thiruchopuram
2 Navlakhi*	14 Bandra	2 Malpe*	14 Parangipettal
3 Bedi*	15 Trombay*	3 Hangarkatta*	15 Udangudi
4 Sikka*	16 Ulwa-Belapur*	4 Kundapura*	16 Chettinad
5 Jafarabad*	17 Mora	5 Bhatkal	Tharangambadi
6 Okha*	18 Mandwa	6 Honnavar	
7 Porbandar*	19 Karanja	7 Tadari	<b>Odisha</b>
8 Veraval*	20 Rewas	8 Belekeri	1 Gopalpur*
9 Bhavnagar*	21 Dharamtar*	9 Karwar*	2 Bahabalpur
10 Bharuch	22 Revdanda*		3 Bahadamuham
11 Magdalla*	23 Borli/ Mandla	<b>LAKSHADWEEP</b>	4 Palur
12 Koteswar	24 Nandgaon	1 Agatti	5 Baliharichandi
13 Mundra (old) *	25 Murud- Junijira	2 Amini	6 Astaranga
14 GAPL*	26 Rajpuri / Dighi*	3 Androth	7 Jatadhar Muhan
15 Jakhau*	27 Mandad	4 Bitra	8 Barunei muhan
16 Jodiya	28 Kumbharu	5 Chetlat	9 Dhamra*
17 Salaya*	29 Shriwardhan	6 Kavaratti	10 Chudamani
18 Pindhara	30 Bankot*	7 Kadmat	11 Inchuri
19 Beyt	31 Kelshi*	8 Kiltan	12 Chandipur
20 Rupen	32 Har nai	9 Kalpeni	13 Subanarekha Mouth
21 Mangrol	33 Dabhol*	10 Minicoy	(Kirtania )
22 Kotada	34 Palshet		
23 Madhavd	35 Borya	<b>ANDAMAN &amp; NICOBAR</b>	<b>DAMAN &amp; DIU</b>
24 Navbander	36 Jaigad*	1 Port Blair*	1 Daman
25 Rajpara	37 Varoda	2 Meadow*	2 Diu
26 Pipavav (victor)	38 Purnagad	3 Car Nicobar*	
27 GPPL*	39 Jaitapur	4 Havelock	<b>KERALA</b>
28 Mahuva	40 Vijaydurg	5 Mayabunder*	1 Kovalam /Vizhinjam*
29 Talaja	41 Deogad	6 Diglipur*	2 Thiruvananthapuram/
30 Gogha	42 Achara	7 Rangat*	Valiyathura
31 Khambhat	43 Malvan	8 Hut Bay*	3 Thankaserry
32 Dahej*	44 Niwti	9 Katchal*	4 Kollam / Neendakara*
33 Bhagwa	45 Vengurla	10 Campbell Bay*	5 Alappuzha
34 Onjal	46 Redi*	11 Neil Havelock	6 Kodungallore
35 Vansi-Borsi	47 Kiranpani	12 Dugong Creek	7 Ponnani
36 Billimora	48 Ratnagiri*	13 Nancowry*	8 Kozhikode
37 Valsada		14 Chowra	9 Beypore*
38 Umar Sadi	<b>ANDHRA PRADESH</b>	15 Teressa	10 Thalassery
39 Kolak	1 Bhavanapadu	16 Kondul	11 Kannur
40 Maroli	2 Kalingapatnam	17 Pillow Millow	12 Kasaragode
41 Umargam	3 Bheemunipatnam	18 East Island	13 Neeleswaram
42 Mul-Dwarka	4 Kakinada	19 Cinque Island	14 Azhikkal*
43 HPPL (Hazira)*	i) Anchorage*	20 Jolly Bouy Island	15 Kayamkulam
44 AHPPL*	ii) Kakinada Deep Water	21 Tillonchong	16 Vadakara
45 Alang**	5 Narasapur	22 Castle Bay	17 Manjeswaram
46 Sachana	6 Machilipatnam	23 South Bay	
**Ship breaking yard	7 Vadarevu		
	8 Nizampatnam	<b>TAMIL NADU</b>	<b>PUDUCHERRY</b>
<b>MAHARASHTRA</b>	9 Krishnapatnam*	1 Cuddalore*	1 Pondichery
1 Dahanu*	10 Gangavaram *	2 Nagapattinam*	2 Karaikal*
2 Tarapur	11 Mutyalammapalem	3 Rameswaram	3 Chemplast Sanmar
3 Nawapur	12 Rawa*	4 Pamban	(Karaikal)*
4 Satpati		5 Colachel	
5 Kelwa-Mahim	<b>GOA</b>	6 Valinokkam	<b>WEST BENGAL</b>
6 Datiware	1 Panaji*	7 Kanyakumari	1 Kulpi
7 Uttan	2 Chapora	8 Ennore*	
8 Bassein	3 Betul	9 Kattupalli*	
9 Bhiwandi*	4 Talpona	10 Thirukkadaiyur*	
10 Manori	5 Tiracol	11 PY-3(Oil field)	
11 Kalyan			

\* Non-Major Ports handling Cargo (65 Non Major Ports).

\*\*Ship breaking yard

Source : State / UT

Table 1.3

## Topography of Major Ports

(As on 31.3.2018)

Port	Location		Entrance Channel			Turning Circle		Type of Dock / Port
	Latitude	Longitude	Distance of anchor from Harbour entrance(In Km)	Minimum Depth (In Mtrs.)	Minimum Width (In Mtrs.)	No.	Diameter (In Mtrs.)	
1	2	3	4	5	6	7	8	9
DEENDAYAL	23° 01' N	70° 13' E	25.0	7.0	180-200	-	-	Tidal Creek Port
Vadinar (OOT)	-	-	8.0	23.5	1500	-	-	Single Buoy Mooring (Off -Shore Oil terminal)
Mumbai	18° 54' N	72° 49' E	9.6	10.9	366	1	366	Natural Harbour with Impounded Wet docks.
J.L.Nehru	18° 56' 43"N *	72° 56' 24" E	15.0(#)	13.1-14.2	450	1	600	All Weather Tidal Port
Mormugao	15° 25' N	73° 48' E	4.6	14.4	250	2	480	Protected Open Natural Harbour
New Mangalore	12° 55' N	74° 48' E	7.5	15.4	245	1	570	Artificial Lagoon port
Cochin	9° 58' N	76° 14' E	13.0	15.95	175	1	670	Dry Dock /Natural Port
V.O. Chidambaranar	8° 45' N	78° 13' E	4.0	10.4	162	1	488	Artificial Harbour
Chennai	13° 06' N	80° 18' E	6.7	IH 18.6 OH 19.2	244	1	548	Artificial Harbour with Wet Docks.
Kamarajar	13° 15' 30"N	80° 21' E	3.775	16.0	250	1	600	Artificial Harbour
Visakhapatnam	17° 41' N	83° 17' E						
Inner Harbour@			2.0**	10.7	97.5	1	366	Natural Harbour
Outer Harbour@			3.1**	20.0	200	1	610	Artificial Harbour
Paradip	20° 15'-58".63N	86° 40'-27".34E	2.2	17.1	240	1	520	Wet Dock
Kolkata Dock System	22° 33' N	88° 18' E	232	2.5\$	45	2	KPD-190 NSD-228	Riverine with impounded Docks & River side Jetty.
Haldia Dock Complex	22° 02'N	88° 06' E	115	6.7	467	1	549	--do --

\* At GTI Berth South-West Corner

\*\* Including both turning circles

#) Nautical Miles

\$ Draft variable Min-5.4, Max-8.3

@:IH= Inner Harbour upto Dolphins Nose Light House(incl. IHTB)

OH: Outer Harbour beyond Dolphins Nose Light House(incl.OHTB)

Source : Major Ports/Page No.2 of Major Ports of India report 2017-18 published by IPA

**Table 1.4 Berths Available at Major Ports**

(As on 31.03.2018)

Port/ Type of Berth (No.)	Draft (In Mtrs.)	Quay Length (In Mtrs.)	Maximum size of ships that can be accommodated (DWT)	Percentage Occupancy during	
				2016-17	2017-18
1	2	3	4	6	6
<b>DEEN DAYAL PORT</b>					
<b>I) Cargo Jetty</b>					
CJ-I - Multipurpose	9.8	182.87	45,000	80	96
CJ-II - Multipurpose	9.8	182.87	45,000	88	89
CJ-III - Multipurpose	9.8	182.87	45,000	88	91
CJ-IV - Multipurpose	9.8	182.87	45,000	77	88
CJ-V - Multipurpose	9.1	205.73	35,000	83	89
CJ-VI - Multipurpose	9.1	205.73	35,000	81	91
CJ-VII - Multipurpose	12.0	238.64	55,000	80	93
CJ-VIII - Multipurpose	12.0	213.04	55,000	98	87
CJ-IX - Multipurpose	12.0	182.87	55,000	90	92
CJ-X - Multipurpose	12.0	205.72	55,000	91	84
CJ-XI - Multipurpose & Container	12.5	281.00	65,000	48	12
CJ-XII - Multipurpose & Container	12.5	264.00	65,000	74	49
CJ- XIII- Multipurpose & Container	13.0	300.00	75,000	32	54
CJ-XV	13.0	300.00	75,000	20	10
Tuna Taker	16.2	600.00		50	57
<b>II) IFFCO BARGE JETTY</b>	...	...	...	21	21
<b>III) Oil Jetty</b>					
OJ-I - POL Products,Veg.Oil & other Liquids	9.8	213.4	40,000	67	75
OJ-II - POL Products, Veg.Oil & other Liquids	9.0	183.0	52,000	96	98
OJ-III - POL Products, Veg. Oil & other Liquids	9.8	213.4	40,000	96	96
OJ-IV - POL Products, Veg. Oil & other Liquids	10.7	216.0	56,000	98	98
OJ-V - Phos. Acid & Ammonia	10.7	216.0	45,000	87	69
OJ-VI - POL Products	10.1	216.0	45,000	54	65
<b>IV) At Vadinar</b>					
SBM-I - POL Crude	30.0	...	3,00,000	80	53
SBM-II - POL Crude	30.0	...	3,00,000	82	56
SBM-III - POL Crude	30.0	...	3,00,000	52	78
Product Jetty -I POL (Products)	14.0	...	1,00,000	58	79
Product Jetty -II POL (Products)	14.0	...	1,00,000	68	82
<b>MUMBAI</b>					
<b>Indira Docks</b>					
1. Indira Dock Multi-Purpose berth	8.84 to 9.14	180	...	41	35
2. Indira Dock Multi-Purpose berth	8.84 to 9.14	158	...	36	37
3. Indira Dock Multi-Purpose berth	8.84 to 9.14	158	...	31	26
4/5. Indira Dock Multi-Purpose berth	8.84 to 9.14	158	...	62	61
9. Indira Dock Multi-Purpose berth	8.84 to 9.14	152	...	33	31
J/E Indira Dock Multi-Purpose berth	8.84 to 9.14	130	...	20	21
10.Indira Dock Multipurpose	8.84 to 9.14	152	...	39	39
11. Indira Dock Multipurpose	8.84 to 9.14	152	...	11	12
12. Indira Dock Multipurpose	8.84 to 9.14	152	...	17	19
12 A. Indira Dock Multipurpose	8.84 to 9.14	180	...	5	14
12 B. Indira Dock Multipurpose	8.84 to 9.14	180	...	31	23
13 Indira Dock Multipurpose	8.84 to 9.14	158	...	40	43
13 A. Indira Dock Multipurpose	8.84 to 9.14	180	...	13	10

Table 1.4

**Berths Available at Major Ports**

(As on 31.3.2018)

Type of Berth (No.)	Draft (In Mtrs.)	Quay Length (In Mtrs.)	Maximum size of ships that can be accommodated (DWT)	Percentage	
				Occupancy during	
				2016-17	2017-18
1	2	3	4	5	6
13 B.Indira Dock Cargo and Bulk Cargo	8.84 to 9.14	180	...	30	22
14. Indira Dock Multipurpose	8.84 to 9.14	158	...	15	20
15. Indira Dock Multipurpose	8.84 to 9.14	158	...	22	32
16. Indira Dock Multipurpose	8.84 to 9.14	158	...	32	30
18.Indira Dock Multipurpose	7.0 CD	183	...	38	38
19/20. Indira Dock Multipurpose	7.0 CD	168	...	60	61
21. Indira Dock Multipurpose	7.0 CD	168	...	56	38
22/23. Indira Dock Multipurpose	7.0 CD	168	...	10	7
<b>Ballard Station</b>					
Pier- Container	10.0 CD	244	...	67	61
<b>Ballard Extn.</b>					
Pier- Paassenger cum Cargo	10.0 CD	232	...	68	69
<b>Victoria Dock *</b>					
1. Multipurpose Berth	6.7	140	...		
2. Multipurpose Berth	6.7	140	...		
3. Multipurpose Berth	6.7	140	...	*	*
4. Multipurpose Berth	6.0	140	...	*	*
5. Multipurpose Berth	6.7	140	...	*	*
6. Multipurpose Berth	6.7	140	...	*	*
7. Multipurpose Berth	6.7	140	...	*	*
8. Multipurpose Berth	6.7	140	...	*	*
9. Multipurpose Berth	6.7	140	...	*	*
10/11.Multipurpose Berth	6.7	140	...	*	*
12.Multipurpose Berth	6.7	140	...	*	*
14.Multipurpose Berth	6.7	140	...	*	*
<b>Prince's Dock *</b>					
A. Multipurpose Berth	6.1 to 6.4	152	...	**	**
B. Multipurpose Berth	6.1 to 6.4	152	...	**	**
C. Multipurpose Berth	6.1 to 6.4	152	...	**	**
D. Multipurpose Berth	6.1 to 6.4	152	...	**	**
F. Multipurpose Berth	6.1 to 6.4	152	...	**	**
G. Multipurpose Berth	6.1 to 6.4	152	...	**	**
N/O. Multipurpose Berth	6.1 to 6.4	152	...	**	**
P/Q. Multipurpose Berth	6.1 to 6.4	152	...	**	**
<b>Jawahar Dweep</b>					
1.JD - POL	11.58	244	70,000	52	51
2 JD - POL	10.97	244	48,000	36	31
3.JD - POL	11.58	244	70,000	53	48
4 JD - POL	14.30	493	1,25,000	64	66
PIR PAU - POL/Chem	7.50	174	35,000	21	20
NEW PIR PAU - POL/Chem	12.00	197	47,000	67	67
* New PIR Pau 2	13.00	230	-	65	72

Berth No.6 ,7 and 8 Indira Dock used as holding berths for MbPT crafts/suppl..

17 Indira Dock berth is not used to beam restriction.

Table 1.4 Contd...

## Berths Available at Major Ports

(As on 31.3.2018)

Port/ Type of Berth (No.)	Draft (In Mtrs.)	Quay Length (In Mtrs.)	Maximum size of ships that can be accommodated (DWT)	Percentage Occupancy during		
				2016-17	2017-18	
1	2	3	4	6	6	
<b>J.L.NEHRU</b>						
CB-01- Container JNPCT	}	14	680	1,50,000	90	89
CB-02 - Container JNPCT					89	90
CB-04 - Container NSICT					33	26
CB-05 - Container NSICT	}	14	600	1,50,000	66	68
CB-06 - Container NSICT					50	60
APMT-01-Container APMT	}	14	712	1,50,000	71	84
APMT-02-Container APMT					80	89
<b>Liquid Cargo Berth(BPCL)</b>						
Piled Jetty-Seaward-LB-01		14	300#	1,00,000	87	95
Inner face-LB-02		10.5	280##	50,000	80	86
SB-01 Shallow Draught Berth	}	7.0	445	30,000	24	24
SB-02 Shallow Draught Berth					67	70
SB-03 Shallow Draught Berth					59	70
JNPT Anchorage		-	-	-	72	73
BM -1		-	-	-	-	25
BM -2		-	-	-	-	-
BM -3		-	-	-	-	-
<b>MORMUGAO</b>						
5 General Cargo(a)	}	13.0	210	50000	47	26
6 General Cargo(a)		14.0	240	70000	89	84
7. Barge Berth(b)*		14.0	300		34	18
8. Liquid Bulk		13.0	50	125000	37	33
9.Iron Ore		14.0	357.5	275000	78	70
10. General Cargo	}	12.5	250	55000	82	73
11. General Cargo		12.5	270	65,000	83	82
<b>Mooring Dolphins</b>						
No.1 & 2 Mooring Dolphins		13.1	340	70,000	-	-
No.2 &3 Mooring Dolphins		13.1	340	70,000	-	-
No.3 &4 Mooring Dolphins		13.1	340	70,000	-	-
No.4 &5 Mooring Dolphins		13.1	340	70,000	-	-
No.5 &6 Mooring Dolphins		13.1	340	70,000	-	-
<b>NEW MANGALORE</b>						
Berth No. 1 General Cargo		7.0	125	4000	16	12
Berth No. 2 General Cargo		10.5	198	30000	32	34
Berth No. 3 General Cargo		10.3	198	30000	36	39
Berth No. 4 General Cargo/Liq. Amonia/Phos. Acid		9.5	198	30000	18	16
Berth No. 5 General Cargo/Bulk Cement/Edible Oil		9.5	198	30000	43	46
Berth No. 6 Coal/Bulk Cargo		9.5	198	30000	27	37
Berth No. 7 Coal/Bulk Cargo		9.5	198	30000	20	32
Berth No.8 Coal/Bulk Cargo		12.5	300	60000	23	51
Berth No.9 LPG		10.5	330	45000	37	40
Berth No.10 Cruid/ POL Product		14.0	320	85000	55	59
Berth No.11 Cruid/ POL Product		14.0	320	85000	55	52
Berth No.12 POL Product/LPG/Chemical		12.5	320	50000	52	59
Berth No.13 POL Product		14.0	350	85000	77	74
Berth No. 14 Coal/Bulk cargo		14.0	350	90000	83	106
Berth No.15 Coal (UPCL)		14.0	350	90000	29	21
Berth No.18 Coal/Bulk Cargo		14.0	300	90000	0	-
Single Point Mooring (SPM)		21.0	-	300000	46	42

JNPT- Liquid Cargo Berth ( Seaward side) has been extended by 25 Mtr. Towards both ends i.e. north & south end ( Total 50 mtrs) by constructing Mooring Dolphins. Liquid Cargo Berth (Inner face) has been extended by 25 mtrs. Toward south side by constructing Mooring Dolphin.

# Liquid Cargo Berth ( Seaward side) has been extended by 25 Mtr. Towards both ends i.e.north & south end (Toal 50 Mtrs.) by constructing Mooring Dolphins.

## Liquid Cargo Berth (Inner face) has been extended by 25 Mtrs. Towards south side by constructing Mooring Dolphins.

Mormugao Berth No. 7 has been commissioned with effect from 6.6.2014

**Table 1.4  
Contd...**

**Berths Available at Major Ports**

(As on 31.3.2018)

Port/ Type of Berth (No.)	Draft (In Mtrs.)	Quay Length (In Mtrs.)	Maximum size of ships that can be accommodated (DWT)	Percentage Occupancy during	
				2016-17	2017-18
1	2	3	4	5	6
<b>COCHIN</b>					
Q1 - General Cargo	9.1	188	16000	45	28
Q2 - General Cargo	9.1	228	16000	14	30
Q3 - General Cargo	9.1		16000	4	0
Q4 - General Cargo/Liquid Bulk	9.1	251	30000	49	41
Q5 - General Cargo/Finished Fertiliser/CBFS	10.0	503	20000	53	48
Q6 - General Cargo/Container/CBFS	10.0		20000	49	41
Q7 - General Cargo	10.5		20000	60	33
Q8 - General Cargo	11.0	414	60000	51	36
Q9 - General Cargo	11.0		60000	49	31
Q10 - Fert. Raw Materials/Phos.Acid	10.7	278	60000	66	43
BTP - Passenger & Cargo/Liquid Bulk	10.0	270	35000	70	37
NCB - General Cargo/Liquid Amonia	9.1	209	35000	49	39
SCB - General Cargo/Liquid Amonia	9.1	192	15000	2	2
COT - POL /Crude	12.5	430	115000	51	65
NTB - POL Products	9.1	298	30000	50	14
STB - POL Products	9.1	266	20000	9	7
SPM - Crude Oil	22.5	NA	300000	53	49
V2 Container	14.5	600	100000	67	62
V3 Container	14.5		100000	52	59
LNG	14.5	376.5	100000	3	6
UTL	5.3	300	-	100	104
<b>V.O.CHIDAMBARANAR</b>					
<b>Alongside Berths</b>					
Berth No.1 - General Cargo	9.3	168	45269	79	66
Berth No.2 - General Cargo	9.3	168	57809	87	70
Berth No.3- Bulk Cargo	10.7	192	58642	90	71
Berth No.4 - Bulk & Ph.Acid	10.7	192	70101	89	72
Berth No.5 - Passenger & GC	8.6	168	57196	89	68
Berth No. 6 - General Cargo	9.3	168	56842	86	67
Berth No.7- Genral Cargo	13.2	335	28966	96	80
<b>Container Terminal</b>					
Berth No.8 - Container	10.9	370	60429	76	80
Berth No.9 - Container	13	345	82962	89	59
<b>Shallow Drought Berth</b>					
Berth No.1 - General Cargo SBW I	5.9	140	5400	0	0
<b>Oil Jetty</b>					
NCB I	13.2	306	57305	51	-
Oil Jetty- POL, Ammonia	13	229	73711	39	35
<b>Coal Jetties</b>					
Coal Jetty No.1 -Thermal Coal	13	225	57196	50	49
Coal Jetty No.2- Thermal Coal	13	225	73879	43	35
EARM General Cargo	5	-	6298	62	41
Zone- B Jetty	3	320	-	-	-
<b>CHENNAI</b>					
<b>Dr. Ambedkar Dock</b>					
1. North Quay - Passenger/ G.C./LB	8.5	198	...	66	62
2. West Quay I - G.C./Other Liquid Cargo	11.0	170.6	...	6	70
3. West Quay 2 - General Cargo/RO-RO/LB	12.0	170.6	...	26	24
4. Centre Quay - General Cargo/Food Grains	12.0	170.6	...	45	55
5. West Quay 3 - General Cargo/Food Grains	12.0	170.6	...	64	71

**Table 1.4**  
Contd...

**Berths Available at Major Ports**

(As on 31.3.2018)

Port/ Type of Berth (No.)	Draft (In Mtrs.)	Quay Length (In Mtrs.)	Maximum size of ships that can be accommodated (DWT)	Percentage Occupancy during	
				2016-17	2017-18
1	2	3	4	5	6
6. West Quay 4 - Fert./General Cargo/Passenger	11.0	170.6	...	56	58
7. South Quay 1 - Fert./General Cargo/Dry Bulk	9.5	246.0	...	79	92
8. South Quay 2 - Fert./General Cargo/Dry Bulk/LB	9.5	179.0	...	43	50
<b>Jawahar Docks</b>					
11. J.D.1 - Fertilizer/Dry Bulk	11.5	218.3	...	46	66
12 J.D.2 - Under BRS/Fertilizer/Dry Bulk	13.0	218.3	...	63	57
13. J.D.3 - Fertilizer/Dry Bulk	12.0	218.3	...	42	55
14. J.D.4 - Other Ores/Coal	11.0	218.3	...	57	42
15. J.D.5 -Fertilizer/Dry Bulk	12.0	218.3	...	67	59
16. J.D.6 - Other Ores/Coal	11.0	218.3	...	61	53
<b>Bharathi Docks</b>					
17. B.D.1 - POL	14.6	355.7	...	62	81
18. B.D.2 - Iron Ore/Liquid	16.5	382.0	...	76	78
19. B.D.3 - POL	16.5	325.1	...	69	80
<b>Container Terminal</b>					
20. CT-1 - Containers	13.4	200.0	...	4	0
21. CT-2 - Containers	13.4	200.0	...	21	24
22. CT-3 - Containers	13.4	200.0	...	34	32
23. CT-4 - Containers	15	285.0	...	41	48
<b>International Terminal</b>					
24. SCB-I - Containers	15.0	287.0	....	46	39
25. SCB-II - Containers	15.0	270.0	....	53	49
26.SCB-III-Containers	15.0	275.0	....	45	46
<b>KAMARAJAR</b>					
Coal Berth - 1	14.5	280	77000	91	85
Coal Berth - 2	14.5	280	77000	90	78
GCB- Automobile/ Project Cargo	10.0	278	150000	26	44
Marine Liquid Terminal-1-POL/Chemicals	13.5	360	150000	92	91
GCB - Coal	16.0	347.5	70000	50	23
AECT - Iron Ore	13.5	347.5	-	-	2
CIBT- Break Bulk Container *	14.5	270	-	-	15
Container Terminal*	15.0	400	-	-	-
<b>VISAKHAPATNAM</b>					
<b>Inner Harbour</b>					
<b>Multipurpose Berths</b>					
East Quay - 1	14.5	280	...	-	-
East Quay - 2	10.06	55.3	...	-	-
East Quay - 3@	10.1	167.6	...	44	72
East Quay - 4@	10.1	231	...	66	1
East Quay - 5@	11.0	167.6	...	76	44
East Quay - 6	11.0	182.9	...	61	71
East Quay - 7	12.5	255	...	74	77
East Quay - 8	14.5	255	...	53	62
East Quay - 9	14.5	255	...	64	72
East Quay -10	10.5	160	...	-	21
West Quay - 1	13.0	212	...	68	70
West Quay - 2	13.0	116.7	...	69	73
West Quay - 3	13.0	201.1	...	70	71
West Quay - 4	11.0	243	...	57	60
West Quay - 5	11.0	241.7	...	46	49
West Quay -6	14.0	255	...	17	33
<b>Captive Berths</b>					
O R - 1	10.06	183	...	67	68

\* Multi Cargo terminal was commercially operational from 5th Aug 2017.

\* Container Terminal( Phase-I, State -I) was commercially operational from 29th Oct 2017.

@ EQ-2,3,4 and berth are taken up for reconstruction as part of development in a phased manner.

Table 1.4 Contd...

## Berths Available at Major Ports

(As on 31.3.2018)

Port/ Type of Berth (No.)	Draft (In Mtrs.)	Quay Length (In Mtrs.)	Maximum size of ships that can be accommodated (DWT)	Percentage Occupancy during	
				2016-17	2017-18
1	2	3	4	5	6
OR2	9.8	183		62	62
<b>Outer Harbour</b>					
1. VGCB - General cum Bulk Cargo@-Multipurpose	18.1	356	...	35	65
<b>Captive Berths</b>					
OB -Iron Ore/Coking Coal/Steam coal	16.5	270	...	83	65
OB -2 Iron Ore/Coking Coal/Steam coal	16.5	270	...		
OSTT - Crude Oil *	17.0	408	...	-	-
LPG -POL/LPG	14.0	370.9	...	70	64
VCTPL- Containers	14.5	451		73	72
SPM-CRUDE OIL	-			38	34
FB	10.1	173.1	-	38	42
REWQ I	11.0	170.0	-	16	22
<b>PARADIP</b>					
Iron Ore Berth-Iron Ore	13.0	210	70,000	66	81
East Quay - I -General	11.0	686	60000	53	86
East Quay - II-General	11.5		60000	48	83
East Quay - III-General	12.5		70000	83	89
South Quay-General	12.5		60000	79	92
Central Quay - I-General	14.5	750	95000	87	89
Central Quay - II-General	14.5		95000	89	85
Central Quay - III-General	14.5		95000	87	53
Fertiliser Berth - I	14.5	730	95000	83	61
Fertiliser Berth - II	14.5		95000	30	64
Multipurpose Berth-General ( MPB)	14.5		95000	83	96
Coal Berth - I	14.5	260	80000	59	65
Coal Berth - II	14.5	260	80000	65	60
North Oil Jetty	13.5	360	80000	47	37
SPM -I	23.0	370	32000	50	60
SPM -II&III	23.0	370			
South Oil Jetty	14.5	360	-	44	53
RO-RO Jetty- P. Cargo	5.0	50	10000	-	-
North Quay-I	5.0	-	-	-	-
North Quay-II	5.0	-	-	-	-
Deep Sea Trawler Berth	5.0	-	-	-	-
<b>KOLKATA DOCK SYSTEM</b>					
<b>Kidderpore Dock (KPD)</b>					
1 KPD- General	8.0	133	Around 25000 depending on parcel load +	95	53
3 KPD -General	8.7	128		53	80
4 KPD-General	8.5	136		33	72
5/7 KPD- General	8.7	229	-do-	57	79
6 KPD-General	8.2	118	-do-	25	45
8 KPD- General	8.5	128	-do-	100	96
9 KPD- General	8.7	108	-do-	16	58
10 KPD- General	8.5	161	-do-	77	94
11 KPD (Passenger & Coastal)	8.5	151	-do-	49	84
12 KPD( Passenger & Coastal)	8.6	143	-do-	73	78
22 KPD-General	8.7	151	-do-	52	69
23 KPD-General	8.7	147	-do-	100	100
24 KPD-General	8.7	152	-do-	76	89
25 KPD-General	8.5	169	-do-	52	75
26 KPD-General	8.4	185	-do-	84	92
27 KPD-General	8.2	195	-do-	64	75
28 KPD-General	8.4	195	-do-	64	79
29 KPD-General	8.4	185	-do-	20	96

\* OSTT is not available for full- fledged during 2017-18 due to rehabitation to the damaged structure is serere cyclone(Hud- Hud) in 2014



**Table 1.4**  
Contd...

**Berths Available at Major Ports**

(As on 31-03-2018)

Port/ Type of Berth (No.)	Draft (In Mtrs.)	Quay Length (In Mtrs.)	Maximum size of ships that can be accommodated (DWT)	Percentage Occupancy during	
				2016-17	2017-18
1	2	3	4	5	6
<b>Netaji Subhash Dock (NSD)</b>					
1 NSD-General/Heavy Cargo	8.2	200	-do-	57	65
2 NSD-General Cargo	8.5	187	-do-	65	83
3 NSD-General Cargo	8.7	183	-do-	81	80
4 NSD-Container	8.6	181	Around 21000	89	91
5 NSD-Container	8.6	182	-do-	90	91
7 NSD-Container	8.7	192	-do-	73	77
8 NSD-Container	8.0	225	Around 25000	88	87
12 NSD-Liquid Cargo	8.0	152	depending on parcel load	58	57
13 NSD-General Cargo	8.4	174		71	76
14 NSD-General Cargo	7.2	174	-do-	57	81
<b>Budge Budge Jetties</b>					
1 BB-Liquid Cargo	13.7	189	Around 38000*	39	38
2 BB-Liquid Cargo	11.1	95	-do-	16	12
3 BB-Liquid Cargo	11.2	146	-do-	37	26
5 BB-Liquid Cargo	12.3	189	-do-	41	34
7 BB-Liquid Cargo	10.7	140	-do-	36	42
8 BB-Liquid Cargo	9.1	177	-do-	41	34
<b>HALDIA DOCK COMPLEX</b>					
HOJ-I - POL, Amonia & Chemical	12.2	236	90000	79	82
HOJ-II - POL	12.2	277	150000	66	72
HOJ-III- POL Crude	12.5	275	150000	44	67
Berth No.2 - Multipurpose Berth handling Dry Bulk	10.0	238	75000	78	86
Berth No. -3- Multipurpose Berth handling POL, Iron Ore & other bulk	12.2	239	75000	64	67
Berth No.- 4 -Thermal Coal (Mechanised)	12.2	239	75000	49	54
Berth No.- 4 A- Coking Coal (Mechanised)	12.2	230	75000	72	78
Berth No. - 4 B - Multipurpose-Dry Bulk & Break Bulk	12.2	180	75000	79	86
Berth No. 5 - Coking Coal & FRM (Dry)-Mechanised	12.2	183	75000	81	60
Berth No. 6 - Multipurpose-Dry Bulk, Break Bulk & Liquid Bull	12.2	212	75000	86	91
Berth No. 7 - Multipurpose-Dry Bulk, Break Bulk & Liquid Bull	12.2	212	75000	76	76
Berth No. 8 - Multipurpose-Dry Bulk, Break Bulk & Liquid Bull	12.2	220	75000	79	84
Berth No. 9 - Multipurpose-Dry Bulk, Break Bulk & Container	12.2	210	75000	73	87
Berth No. 10 - Multipurpose-Dry Bulk, Break Bulk & Containe	12.2	210	75000	38	56
Berth No. 11 - Multipurpose-Dry Bulk, Break Bulk & Containe	12.2	210	75000	48	47
Berth No. 12 - Multipurpose-Dry Bulk & Break Bulk	12.2	210	75000	80	71
Berth No. 13 - Multipurpose-Dry Bulk & Break Bulk	10.0	210	75000	80	82

\* POL Crude Tankers of much higher DWT can be handled at anchorages.

Note(1) vessels with maximum beam of 33 metres can enter the impounded dock system. There is no beam restriction of vessels at Oil Jetties

(2) There are two barge handling jetties for handling POL Products with a capacity of 0.50 million tonnes

\*\* Multiple vessels within a total LOA of 1270 metres can be simultaneously accommodated from Berth No.8 to 13

Source: Major Ports

Table 1.5

## Storage Facilities Available at Major Ports

(As on 31.3.2018)

Port/Type	Dry Storage Accomodation		Liquid Storage Tanks			
	No.	Area(Sq.mts)/ Capacity	No.	Location	Capacity	Type of Cargo
1	2	3	4	5	6	7
<b>1.DEENDAYAL</b>						
<b>(a) Dry Cargo Storage accomodation</b>						
<b>Covered area</b>						
i) Transit Sheds			21	Outside	2375000 KLS	All kind liquid cargoes
ii) Ware-Houses/Godowns	34	203000				
<b>Open Area**</b>						
Kutchha Plots		1663000				
Pucca Plots						
<b>Other (Private/Users agencies)</b>						
Godowns by CWC	1	3000				
<b>2. MUMBAI</b>						
<b>(a) Covered area</b>						
i) Transit Sheds	30	138843	2	Jawahar Deep	5316KLS	POL Products and Fresh Water
ii) Ware-Houses	23	131843				
<b>(b) Open Area</b>						
i) Inside Docks	64	501363	19	Jawahar Deep	254322 KLS	POL
			77	Carnac Bunder	62000 KLS	Chemical
			82	Hay Bunder	124100 T	Molasses/Veg Oil
<b>(c) Container Yards</b>						
i) Inside Docks			2	Pir Pau	45682 Sq.M.	LPG
			7	Pir Pau	6129 TEUs	Chemicals
ii) Outside Docks						
<b>3. MORMUGAO</b>						
<b>(a) Covered area</b>						
i) Transit Sheds/Overflow sheds.	4	20075	4	Port Area	11840 KL	PFAD / caustic soda
ii) Ware-Houses	2	3300	1	Port Area	5000 KL	Ammonia
iii) Ware-Houses- CWC & FCI	4	14480	5	Vasco City	34660 KL	POL Products
<b>(b) Open Area</b>						
Open	5	199667	3	Vasco City	22500 KL	Phosphoric Acid
<b>Other Area</b>			7	Port Area	10960	Other Liquid Products
Open	2	41000	4	Port Area	92000	Other Liquid Products
	1	35641				
	84	-				
<b>(c) Container Yards</b>						
			1	Inside	14823	
			1	Outside	19466	

**Table 1.5  
Contd.**

**Storage Facilities Available at Major Ports**

(As on 31.3.2018)

Port/Type	Dry Storage Accomodation		Liquid Storage Tanks			
	No.	Area(Sq.mts)/ Capacity	No.	Location	Capacity	Type of Cargo
1	2	3	4	5	6	7
<b>4. NEW MANGALORE</b>						
i) Transit/Overflow Sheds B.N.O	7	14852	55	Wharf Area	230645	Chemicals/POL/Molasses /Edible Oil
ii) Covered Ware-Houses	5	16200				
iii) Open Stack Yard (CWC)	8	496149	5	Wharf Area	33500	Phosphoric Acid/ Ammonia/Edible Oil.
iv) Other Gowdowns	5	37004				
			4	Wharf Area	30000( T)	Cement Silos(3)
<b>5. J. L. NEHRU</b>						
i) CFS- JNP			154	Outside	725403 KL	POL,chemicals, Edible Oils,etc.
ii) CFS-Private			17	IOT-Near jasai	255000KL	POL
iii) Open Area-Inside Port			2	Uran	29280 KL	LPG
			8	ONGC	480000 KL	Crude Oil
<b>Container Yards</b>						
	1	3043693				
	34	3667215				
<b>6. COCHIN</b>						
<b>(a) Covered area</b>						
i) Transit Sheds	7	22281	10	W/Island	594491	POL & Chemical
ii) Ware-Houses	5	13795				
iii)Container Freight Station	1	10000				
<b>(b) Open Area</b>						
i) Open Space	1	125000				
ii) CFS Yard	-	-				
<b>(c) Container Yards</b>						
Open			3	outside port	78800	
			1	inside port	462 TEUs	
			64	inside port		
<b>7. V.O. CHIDAMBARANAR</b>						
<b>(a) Covered area</b>						
i) Transit Sheds	2	10800	3	VOC Wharf Berth IV		
ii) Ware - Houses	3	14940	37	Outside		
iii) Other covered area						
vi) Private Warehouses						
<b>(b) Open Area</b>						
		3150000				
i) General cargo	-	560000				
ii) Container	14					
iii)Ware house	23					
vi)Reefer		116				
<b>8. CHENNAI</b>						
<b>A. Port Owned</b>						
<b>(a) Covered area</b>						
i) Transit / Overflow Sheds	7	37238	38	Area-I	205123.73.4 KL	Edible Oil, CBFS, Fuel Oil.
ii) Ware-Houses	4	24329				
iii) Container Freight station		-	34	Area-IV	141215.64 KL	Phosphoric Acid, Edible Oil
<b>(b) Open Area</b>						
		672641				

Table 1.5 Contd.

## Storage Facilities Available at Major Ports

(As on 31.3.2018)

Port/Type	Dry Storage Accomodation		Liquid Storage Tanks			
	No.	Area(Sq.mts)/ Capacity	No.	Location	Capacity	Type of Cargo
1	2	3	4	5	6	7
<b>B. Others (Area Allotted)</b>				Area-IV	346339.37KL	Liquid cargo
(a) Covered area						
i) Transit shed		10738				
ii) Ware house		55275				
ii) Outside port						
(b) Open Area						
i) Inside port		1085103.82				
ii) Outside port						
<b>C. Container</b>						
Covered area			1	6000		
<b>9. VISAKHAPATNAM</b>						
<b>A. Port Owned</b>						
<b>(a) Covered area</b>						
i) Transit Sheds/overflow shede	-	6253	-	-	2036371	Crude LPG POL Chemicals
ii) Ware-house/Storage sheds	-	20074	-	-	178725 KLS	
ii) Ware- Houses	-	...	-	-	-	-
<b>(b) Open Area</b>						
i) Bulk cargo	...	1044920	-	-	-	-
ii) Liquid storages	...	...	-	-	-	-
<b>Containers</b>					99320	
Outside					6500 TEUs	
<b>Private &amp; User Agencies</b>						
i) Transit Sheds/overflow shede	...	942353				
ii) Ware-house/Storage sheds	...	79700				
ii) Liquid Bulk Container	...	2036371Tonnes			178725 KL	
		99320			6500 TEUs	
<b>10. PARADIP</b>						
(a) Covered area						
i) Transit Sheds/Over flow sheds	1	1400	23	Outside Port	171200 KLS	Fert Raw Mat
ii) Ware - Houses	2	7711	16	Outside Port	155000 Kls	Fert Raw Mat
iii) Container Freight Station	1	1000 TEUs	15	Outside Port	900000 kls	POL (crude)
<b>(b) Open Area</b>		2029200	18	Outside Port	207000 kLS	POL
<b>11. KOLKATA DOCK SYSTEM</b>						
<b>A. Port Owned (inside port)</b>						
<b>(a) Covered area</b>						
i) Transit Sheds	26	134722	3	Outside Port	4500 KL	Vegetable Oil
ii) Ware-Houses	3	10794	42	Inside Port	82095 KL	Vegetable Oil
iii) Container Freight Station	1	9000	118	Inside Port	380883 KL	POL
		144 TEUs Reefer	12	Outside Port	81114 KL	POL
			14	Inside Port	6070 KL	Chemicals
<b>(b) Open Area</b>		223000				
		12000 TEUs Normal				
<b>B. Others (outside port)</b>						
(a) Covered area						
i) Container Freight Station	4	...	1	Inside Port	9000 144 TEUs	
ii) Container yard				Container yard	12000 TEUs	
				133000		
iii) Liquid Bulk Cargo stores capacity				554662 KL		Liquid Bulk Cargo
<b>12. HALDIA DOCK COMPLEX</b>						
(a) Covered area						
i) Transit/Overflow Sheds	4	29000*				
(b) Open Area	11	892840 **				
(c) Container	1	5000 (TEUs)				
<b>13. KAMARAJAR</b>						
Open Area						
Harderne Area Dry Cargo	1	199500				
Coal/Iron Ore Stackyard	2	1014964	64	Port	254478	POL/Chemical
Container	1	186000				

\* Includes Transit sheds area leased to the Port users inside the dock.

\*\* Includes storage area leased to port users inside the dock.

Source -Major Ports

Table 1.6

## Commodity-Wise Capacity Available at Major Ports

(In Million Tonnes)

Commodities	DPT	HDC	PPT	VPT	EPL	ChPT	V.O.C.	CoPT	NMPT	MoPT	MbPT	KPT	JNPT	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<b>POL</b>														
As on 31.3.13	4.50	17.00	43.00	17.65	3.00	17.67	2.30	19.01	49.17	1.50	32.00	66.60	5.50	278.90
As on 31.3.14	4.50	17.00	43.00	25.65	3.00	17.67	2.30	24.01	49.17	1.50	32.00	66.60	5.50	291.90
As on 31.3.15	4.50	17.00	53.00	27.49	4.00	17.67	2.30	24.01	49.17	1.50	32.00	66.60	6.50	305.74
As on 31.3.16	4.50	17.00	54.50	27.49	4.00	17.67	3.15	24.01	49.17	1.50	34.50	70.82	6.50	314.81
As on 31.3.17	9.10	18.00	54.50	27.49	4.00	17.67	3.15	30.26	49.17	1.50	44.50	89.02	6.50	354.86
As on 31.3.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Iron Ore</b>														
As on 31.3.13	-	6.00	4.50	12.50	6.00	8.00	-	-	7.50	27.50	-	-	-	72.00
As on 31.3.14	-	6.00	4.50	12.50	6.00	8.00	-	-	7.50	27.50	-	-	-	72.00
As on 31.3.15	-	6.00	4.50	12.50	6.00	8.00	-	-	7.50	27.50	-	-	-	72.00
As on 31.3.16	-	6.00	6.39	12.50	6.00	8.00	-	-	7.50	27.50	-	-	-	73.89
As on 31.3.17	-	6.00	6.39	12.50	6.00	8.00	-	-	7.50	27.50	-	-	-	73.89
As on 31.3.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Coal</b>														
As on 31.3.13	-	7.00	20.00	-	21.00	-	12.55	-	5.40	-	-	-	-	65.95
As on 31.3.14	-	7.00	20.00	-	21.00	-	12.55	-	5.40	-	-	-	-	65.95
As on 31.3.15	-	7.00	21.00	-	24.00	-	12.55	-	5.40	4.61	-	-	-	74.56
As on 31.3.16	-	9.00	21.00	-	32.00	-	24.18	-	5.40	8.94	-	-	-	100.52
As on 31.3.17	-	10.00	32.00	-	32.00	-	26.82	-	7.67	8.94	-	-	-	117.43
As on 31.3.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Fertiliser</b>														
As on 31.3.13	-	-	7.50	1.00	-	-	-	0.80	-	-	-	-	-	9.30
As on 31.3.14	-	-	7.50	1.00	-	-	-	0.80	-	-	-	2.00	-	11.30
As on 31.3.15	-	-	7.50	1.00	-	-	-	0.80	-	-	-	2.00	-	11.30
As on 31.3.16	-	-	7.50	1.87	-	-	-	0.80	-	-	-	2.00	-	12.17
As on 31.3.17	-	-	8.00	1.87	-	-	-	1.13	-	-	-	2.00	-	13.00
As on 31.3.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Break-Bulk Cargo</b>														
As on 31.3.13	6.74	12.75	27.30	33.50	1.00	17.92	13.49	12.35	14.70	7.40	11.53	19.42	0.90	179.00
As on 31.3.14	6.74	15.75	33.80	47.09	1.00	17.92	22.21	12.35	15.70	7.65	11.53	26.52*	0.90	192.64
As on 31.3.15	6.74	15.75	33.80	53.09	3.00	17.92	24.70	12.35	15.70	10.15	11.53	45.63	0.90	251.26
As on 31.3.16	6.74	29.89	37.55	59.69	3.00	22.92	24.70	12.35	15.70	10.85	14.83	51.04	0.90	290.16
As on 31.3.17	7.25	31.89	42.55	62.69	5.00	22.92	28.70	12.68	23.29	12.10	20.83	52.04	0.90	322.84
As on 31.3.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Container</b>														
As on 31.3.13	5.90	4.00	-	2.68	-	42.00	5.00	12.50	-	-	1.00	7.20	59.48 @	139.76
As on 31.3.14	5.90	4.00	-	2.68	-	42.45	5.00	12.50	-	-	1.00	7.20	59.48 @	140.21
As on 31.3.15	9.86	4.00	-	2.68	-	42.45	5.00	12.50	-	-	1.00	7.20	71.97	156.66
As on 31.3.16	9.86	4.00	-	6.20	-	44.85	7.23	12.50	-	-	0.00	7.20	81.97	173.81
As on 31.3.17	9.86	4.00	-	6.20	10.00	44.85	7.23	12.50	-	-	0.00	7.20	81.97	183.81
As on 31.3.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>														
As on 31.3.13	17.14	46.75	102.30	67.33	31.00	85.59	33.34	44.66	76.77	36.40	44.53	93.22	65.88	744.91
As on 31.3.14	17.14	49.75	108.80	88.92	31.00	86.04	42.06	49.66	77.77	36.65	44.53	75.80	65.88	774.00
As on 31.3.15	21.10	49.75	119.80	96.76	37.00	86.04	44.55	49.66	77.77	43.76	44.53	121.43	79.37	871.52
As on 31.3.16	21.10	65.89	126.94	107.75	45.00	93.44	59.26	49.66	77.77	48.79	49.33	131.06	89.37	965.36
As on 31.3.17*	26.21	69.89	143.44	110.75	57.00	93.44	65.90	56.57	87.63	50.04	65.33	150.26	89.37	1065.83
As on 31.3.18	31.57	51.00	239.00	131.09	84.00	134.00	94.83	74.50	98.00	63.00	79.00	253.20	118.00	1451.19

Figure in the parenthesis indicate the number of berths. BJ Barge Jetties, T-Transhippers, A-Anchorage, SBM-Single Buoy Mooring

\* Port capacity re-rated by Ministry based on Berthing Policy as per International norms. Major Ports re-rated capacity during 2016-17 was 1359 MTPA ( Kolkata-27, Haldia- 51, Paradip-234, Vizag-121, Kamarajar-66, Chennai-134, V.O.Chidambaram-79, Cochin-74, New Mangalore-98, Mormugao-63, Mumbai-78, JNPT-88 and Deendayal -246.)

Source : Development Wing - Department of Shipping.

**Table 1.7**

**Number of Berths Available at Major Ports**

Commodities	P O R T S														Total
	KDS	HDC	PPT	VPT	KPL	ChPT	V.O.C.	CoPT	NMPT	MoPT	MbPT	DPT	JNPT		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
<b>POL</b>															
31.3.12	7+A	3+2BJ	1+SBM	4	1	2	1	3+SBM	4	1	5	8+3SBM+A	2	42+SBM+2BJ	
31.3.13	7+A	3+2BJ	1+3SBM	4	1	2	1	3+1SBM	5+1SBM	1	5	8+3SBM+A	2	43+8SBM+2BJ	
31.3.14	7+A	3+2BJ	1+3SBM	4+1 SBM	1	2	1	4+1SBM	5+1SBM	1	5	8+3SBM+A	2	44+8SBM+2BJ	
31.3.15	7+A	3+2BJ	2+3SBM	5+1 SBM	1	2	1	4+1SBM	5+1SBM	1	5	8+3SBM+A	2	46+9SBM+2BJ	
31.3.16	7+A	3+2BJ	2+3SBM	5+1 SBM	1	2	1	4+1SBM+1LNG	5+1SBM	2	6	8+3SBM+A	3	49+9SBM+2BJ	
31.3.18	7	3+2BJ	2+3SBM	4+1 SBM	1	2	1	-	5+1SBM	2	4+Pipeline	8+3SBM	2	-	
<b>IRON ORE</b>															
31.3.13	-	2	1	1	1	1	-	-	1	1+3TRANS	-	-	-	8+3TRANS	
31.3.14	-	2	1	1	1	1	-	-	1	1+3TRANS	-	-	-	8+3TRANS	
31.3.15	-	2	1	1	1	1	-	-	1	1+3TRANS	-	-	-	8+3TRANS	
31.3.16	-	2	1	1	1	1	-	-	2	1+3TRANS	-	-	-	9+3TRANS	
31.3.17	-	2	1	1	1	1	-	-	1	1+3TRANS	-	-	-	8+3TRANS	
31.3.18	-	-	2	1	-	-	-	-	-	Mooring Dolphins	-	-	-	-	
<b>COAL</b>															
31.3.13	-	2	2	-	3	-	3	-	1	-	-	-	-	11	
31.3.14	-	2	2	-	3	-	3	-	1	-	-	-	-	11	
31.3.15	-	2	2	-	3	-	3	-	1	1	-	-	-	12	
31.3.16	-	2	2	-	4	-	4	-	1	1	-	-	-	14	
31.3.17	-	2	2	-	3	-	3	-	1	1	-	-	-	12	
31.3.18	-	2	2	2	3	-	3	-	1	2	-	-	-	-	
<b>FERTILISER</b>															
31.3.13	-	-	2	1	-	-	-	1	-	-	-	-	-	4	
31.3.14	-	-	2	1	-	-	-	1	-	-	-	-	-	4	
31.3.15	-	-	2	1	-	-	-	1	-	-	-	-	-	5	
31.3.16	-	-	2	1	-	-	-	2	-	-	-	2	-	7	
31.3.17	-	-	2	1	-	-	-	1	-	-	-	1	-	5	
31.3.18	-	-	2	1	-	-	-	1	-	-	-	1	-	-	
<b>BREAK BULK</b>															
31.3.13	22+A	8	9	15	1	14	10	12	8	4	25+A	12	1	141+A	
31.3.14	22+A	8	9	15	1	14	10	12	8	4	25+A	13	1	142+A	
31.3.15	22+A	8	9	16	1	14	10	12	8	4	25+A	14	1	144+A	
31.3.16	22+A	8	9	16	1	14	10	12	8	4	27+A	14	1	146+A	
31.3.17	22	8	9	16	2	14	9	12	9	4	27	14	1	147	
31.3.18	23	10+2FAJs	8	16	2	15	9	10	9	3	25	18	2#	-	
<b>CONTAINER</b>															
31.3.13	4	2	-	1	-	7	1	2	-	-	1	2	9	29	
31.3.14	4	2	-	1	-	7	1	2	-	-	1	2	9	29	
31.3.15	4	2	-	1	-	7	1	2	-	-	1	2	9	29	
31.3.16	4	2	-	2	-	7	1	2	-	-	-	2	9	29	
31.3.17	4	2	-	1	1	7	2	2	-	-	-	2	9	30	
31.3.18	5	2	-	1	1	7	2	2	-	-	-	2	11^	-	
<b>TOTAL</b>															
31.3.13	33+A	17+2BJ	15+3SBM,	22	6	24	15	18+1SBM	15+1SBM	6+3TRANS	31+A	22+3SBM+A	12	236+8ABM+3TRANS+2BJ+A	
31.3.14	33+A	17+2BJ	15+3SBM,	22+1SBM	6	24	15	19+1SBM	15+1SBM	6+3TRANS	31+A	24+3SBM+A	12	239+9ABM+3TRANS+2BJ+A	
31.3.15	33+A	17+2BJ	16+3SBM,	24+1SBM	6	24	15	19+1SBM	15+1SBM	7+3TRANS	31+A	25+3SBM+A	12	244+9SBM+3TRANS+2BJ+A	
31.3.16	33+A	17+2BJ	16+3SBM,	25+1SBM	7	24	16	20+1SBM	16+1SBM	8+3TRANS	33+A	26+3SBM+A	13	254+9SBM+3TRANS+2BJ+A	
31.3.17	33	17+2BJ	16+3SBM,	24+1SBM	8	24	15	19+1SBM	16+1SBM	7+3TRANS	33	25+3SBM+A	12	249+9SBM+3TRANS+2BJ	
31.3.18	35*	17+2 BJ+2 FAJ	16+3 SBM	25+1 SBM	7	24	15	17+1SPM+1LNG	15+1 SBM	7+Mooring Dolphins	29 + Pipeline	29+3SBM	15	251+9 SBM++2 BJ+2 FAJ+1 LNG+Pipe line+Mooring Dolphins	

BJ - Barge Jetty

A - Anchorage

SBM - Single Buoy Mooring

TRANS - Transhipper

B Zone : Small vessels handled at Zone B-Tuticorin.

VJs= Virtual Jetties

\*In addition, lighterage operation of liquid cargo & dry cargo is carried out at Sandheads, Saugor Anchorage, Diamond Harbour etc.

FAJ=Fly Ash Jetty

#Liquid & Container are also handled at General cargo/Break bulk berths (SB-1 & SB-2)

^The number of Container Berths at JNPCT(2), NSIGT(1), BMCT(3) & SHALLOW DRAUGHT BERTH(1)

Source : Indian Port Association.

**Table 1.8****Cargo Handling Equipment Available at Major Ports (As on 31.3.2018)**

(In Nos.)

Port	Crane				Fork Lift Truck	Tractor	Trailer	Shovel Dozer & Pay Loader	Locomotive
	Mobile	Wharf	Container						
			Quay	Yard					
1	2	3	4	5	6	7	8	9	10
Kolkata Dock System	7	1	-	4RGTs	15 \$	8	-	-	-
Haldia Dock Complex	2	-	-	1	7	1	5	12	11
Paradip	7^	2	-	-	-	-	-	-	7 ^^
Visakhapatnam	2	18	-	-	-	-	-	6	18
Chennai	-	6	14*	40*	4*	103*	-	-	7
V.O.Chidambaranar	-	5	3*	8*	3	-	-	-	1
Cochin	1Port+2*	-	4*	15*	21Port+9*	-	30*	-	-
New Mangalore\$\$	1	-	-	-	5\$\$	-	-	-	-
Mormugao	1	-	-	-	10	-	-	-	2
Mumbai ##	5	11	-	-	34 @	5	-	-	4
J. L. Nehru	2	-	12+31*	27+103*	8+17*	105+320*	-	-	-
Kandla	-	16	-	-	9	3	1	2	-
<b>All Ports</b>	<b>30</b>	<b>59</b>	<b>64</b>	<b>198</b>	<b>142</b>	<b>574</b>	<b>20</b>	<b>50</b>	

\*: Under BOT Operators.

(\$ ) 11 FLT's

## In addition, Floating Crane-1.

^: 7 cranes Harbour cranes are provided by Pvt. Operator.

^^ Besides the above 7 nos. Of locomotives, another 2 nos. of locomotives are hired from RITES.

\$\$ - Including 1 no. of 10 tonnes capacity, 2 nos. of 3 tonnes capacity of Forklift Truck and 2 nos. of Reach Stacker

@ Included of 10 electric forklifts trucks for departmental use and 1 floating Crane.

Source:-Indian Ports Association.

Table 1.9

## Container Handling Facilities Available at Major Ports

(As on 31.3.2018)

Port	No. of Berths	Vessel Size (IN DWT)	Equipment						
			Quay Side	Yard Gantry	Toplift Trucks/ Reach Stackers	Forklift	Tractors	Trailers	
			Gantry Cranes	Cranes					
1	2	3	4	5	6	8	7	9	
<b>KOLKATA DOCK SYSTEM @</b>	5	21,000	-	Nil	*Nil	Nil	Hippo 40T	Nil	
<b>HALDIA DOCK COMPLEX</b>	2	40,000	-	1x30 T	1X35T	7	1x10T	5	
<b>VISAKHAPATNAM</b>	1(Under BOT Operator)	1,00,000	RMQC-2Nos. 2x35.6T (SWL)	RTGC - 2 Nos.	2x45T 2x10T	1x5T	-	16	
<b>CHENNAI</b>	7	1,00,000	14	40	1ECH -1 RS 2 2 (ECH= Empty Container Hanler, RS=Reach Stacker)	4	-	103	
<b>V.O.Chidambaranar</b>	2(Under BOT Operator)	47,000	3x40T (SWL)	8x35T (SWL)	-	-	12x50T (SWL)	12x50T (SWL)	
<b>COCHIN #</b>	2(Under BOT Operator)	1,00,000	4	15	2/3	4	-	30 ( Leased by BOToperator,	
<b>J.N.P.T.- JNPCT (Port's own)</b>	2 + 1 Shallow Berth (##)	150000	9x50 T 3x50 T	RTGC- 18x40T RMGT -2x35.5T RMGC- 3x65T	R/S- 9X45T(Hired)	-	20(own)+85(Hired)		
<b>NSICT (BOT Operator)</b>	2	150000	8x50 T	RTGC- 29x40T RMGC- 3x40T	R/S-2x45T E/H-2X8T	-	110(Hired)		
<b>GTICL (BOT Operator)</b>	2	1,50,000	10x61 T	RTGC- 40x50/61 RMGC- 3x61T	R/S-2X45T E/H-2X8T		130(Hired)		
<b>NSIGT (BOT Operator)</b>	1	2,11,000	4x65 T	16x40 T	R/S-1X45T	1X5T	30(Hired)		
<b>BMCT (BOT Operator)</b>	3	218000	9x65 T	RTGC-18x40T RMGC-4x65T	E/H-1X8T	2X3T	65 ( Hired)		
<b>DEENDAYAL</b>	2	50000		Wharf Cranes-16	2	9	3	1	

(\*)In addition, 6 no. Reach Stackers of 45 T capacity each have been hired by Port.

@ Two Mobile Harbour Cranes alongwith 2 Reach Stackers are also used on Own -Operated -Maintain (OOM) basis.

# In addition, 2 Mobile Harbour Cranes and 1Hydra Crane.

##: Shallow berth is also used for handling of bulk and liquid cargo.

R/S=Reach Stackers

Source: Indian Ports Association



Table 1.10

## Berthing Facilities Available at Non-Major Ports

(As on 31.3.2018)

Name of the Port	Intermediate/ Minar	Max.Depth available at anchorage(mts)	Berth Type	No. of Berths by existing Draft				
				Below 2 meters	2-4 meters	4-6 meters	6 meters above	Total
1	2	3	4	5	6	7	8	9
<b>GUJARAT</b>								
<b>Dahej</b>	Minor	16.00	Dolphin bases berth	-	-	-	2	2
Adani Petronet Port Private Ltd	Minor	24.00	Multi Purpose	-	-	-	2	2
Petronet LNG Ltd	Minor	16.00	Berth Type	-	-	-	2	2
Chemical Port Terminal Co. Ltd	Minor	16.00	single berth	-	-	-	1	1
Harbour Infrastructure Ltd.	Minor	20.00	Multi Purpose	-	-	-	1	1
Reliance Marine Terminal Port facility	Minor	12.00	Gas & Chemical Jetty	-	1	-	-	1
Hazira								
Hazira Port Private Ltd	Minor	25.00	LNG	-	-	-	1	1
Adani Hazira Port Private Ltd	Minor	18.00	Multi Purpose	-	-	-	6	6
Larsen & Tubro Ltd	Minor	12.00	-	1	2	-	-	3
Reliance Industries Ltd	Minor	25.00	Gas & Chemical Jetty	-	3	-	-	3
Essar Bulk Terminal Ltd Pipavav	Minor	20.00	Fixed Berth	-	2	-	-	2
Pipavav Port Ltd.		-	LPG	-	-	-	1	1
		14.50	Container	-	-	-	2	2
		13.50	General cargo	-	-	-	2	2
Ultratech Cement Ltd	Minor	20.00	Captive Berth	-	-	-	1	1
Mundre								
Adani Ports and Special Economic zone Ltd.	Minor	30.00	Dry liquid	-	-	1	25	25
Sikka								
Shree Digvijay Cement Co. Ltd.	Minor	25.00	Shallow water Tidal port/ Wharf	-	1	-	-	1
Bharat Oman refinery Ltd.	Minor	32.00	SPM	-	-	-	1	1
State Fertiliser Co.Ltd.	Minor	25.00	Liquid cargo Berth	-	-	-	1	1
Reliance Industries Ltd.	Minor	37.00	SPM	-	-	-	5	5
Jakhu								
Sanghi Industries Ltd Muldwarka	Minor	15.00	Pile Berth	-	-	3	-	3
Ambuja Cement Ltd	Minor	23.00	Pile & Breakwater jetty	-	-	2	2	4

**Table 1.10  
(Contd...)**

**Berthing Facilities Available at Non-Major Ports**

(As on 31.3.2018)

Name of the Port	Intermediate/ Minor	Max.Depth available at anchorage(mts)	Berth Type	No. of Berths by existing Draft				
				Below 2 meters	2-4 meters	4-6 meters	6 meters above	Total
1	2	3	4	5	6	7	8	9
<b>GUJARAT(Contd...)</b>								
Okha	Intermediate	12.80	Sayaji pier (East)	-	-	-	-	-
			D.C.B	-	-	-	1	1
			Sheet piled wharf	1	-	-	-	1
			Light Cargo	1	-	-	-	1
			Passenger Jetty	1	-	-	-	1
Bhavnagar	Intermediate	12.00	1) Concrete Jetty	-	1	-	-	1
			RCC piles with slab with docking	-	-	-	-	-
			2) Akwada Wharf	-	1	-	-	1
			RCC wall	-	-	-	-	-
			3) North Quay RCC with Well foundation	-	1	-	-	1
Jafarabad	Intermediate	14.00	Clinkers jetty	-	1	-	-	1
			T Shape jetty	1	-	-	-	1
			Captive jetty	-	1	-	-	1
(a)Victor	Minor	11.60	Along side wharf(east)	1	-	-	-	1
			Along side wharf (west)	-	-	-	-	-
			LPG	-	-	-	1	1
Navalakhi	Intermediate	2.00	Jetty/wharf	2	2	-	-	4
Magdalla	Minor	15.00	RCC Jetty	-	11	-	-	11
			Wharf	-	2	-	-	2
Valsad	Minor	No Anchorage fixed	RCC Jetty	1	-	-	-	1
Kolak	Minor	No Anchorage fixed	RCC Fishing Jetty	1	-	-	-	1
Vansi Borsi	Minor	11.00	RCC Fishing Jetty	-	-	-	-	-
Onjal	Minor	11.00	RCC Fishing Jetty	1	-	-	-	1
Umergaon	Minor	No Anchorage fixed	RCC Jetty	-	1	-	-	1
Umarsadi	Minor	No Anchorage fixed	Fishing Jetty	1	-	-	-	1
Billimora	Minor	No Anchorage fixed	Wooden jetty	3	-	-	-	3
			RCC Jetty	1	-	-	-	1
Porbandar	Minor	12.00	Deep water Berth	-	-	-	1	1
Bedi	Intermediate	16.00	Block wharf	-	2	1	-	3
Mandvi	Minor	10.00	Wharf	-	2	-	-	2
GAPL	Intermediate	28.00	T type fingure berth	-	-	-	4	4
			Barge Berth	-	-	-	1	1
Veraval	Intermediate	13-14	Direct berth for Fair Weather port	-	1	-	-	1

Table 1.10  
(Contd...)

## Berthing Facilities Available at Non-Major Ports

(As on 31.3.2018)

Name of the Port	Intermediate/ Minor	Max.Depth available at anchorage	Berth Type	No. of Berths by existing Draft				
				Below 2 meters	2-4 meters	4-6 meters	6 meters above	Total
1	2	3	4	5	6	7	8	9
<b>MAHARASHTRA</b>								
Kalyan	Minor	5.00	Passenger Jetty	-	2	-	-	2
Bhiwandi	Minor	-	Sloping jetty	-	-	-	-	-
Thane	Minor	4.00	Sloping jetty	-	10	-	-	10
Ulwa Belapur	Minor	4.00	Cargo jetty	-	-	1	-	1
Mora	Minor	8.00	Passenger Jetty	1	-	1	-	2
Karanja	Minor	2.00	Sloping jetty	1	-	-	-	1
Rewas	Minor	5.00	Passenger Jetty	-	-	1	-	1
Mandwa	Minor	10.00	Passenger Jetty	-	-	1	-	1
Dharamtar	Minor	11.50	Cargo/Passenger jetty	-	10	-	-	10
Trombay	Minor	2.00	Sloping jetty	-	1	-	-	1
Revdanda	Minor	14-24	Maxsteel Ltd. Salav	-	-	1	-	1
	Minor	14-24	International Pvt Ltd,	-	-	1	-	1
Murud	Minor	2.00	Passenger Jetty	-	1	-	-	1
Rajpuri	Minor	2.00	Passenger Jetty	-	1	-	-	1
	Minor	2.00	Passenger Jetty	-	1	-	-	1
Dighi	Minor	10-14	Passenger	-	1	-	-	1
	Minor	20.00	Port Ltd	-	-	-	1	1
Shriwardhan	Minor	2.00	Cargo/Passenger jetty	-	1	-	-	1
Ratnagiri	Minor	15.00	I Type jetty	-	-	1	-	1
	Minor	15.00	L Type Jetty	-	-	1	-	1
Jaigad	Minor	20.00	T Type Jetty	-	-	1	-	1
Borya	Minor	2.00	I Type Jetty	-	1	-	-	1
Palshet	Minor	2.00	I Type Jetty	-	1	-	-	1
Dabhol	Minor	17.00	T/L Type Jetty	-	-	1	-	1
Vasai	Minor	-	Sloping jetty	1	9	1	-	11
Gharapuri	Minor	-	Passenger Jetty	-	6	-	-	6
Harnai	Minor	2.00	I Type Jetty	-	1	-	-	1
Kelshi	Minor	14.00	T Type Jetty	-	1	-	-	1
Bankot	Minor	14.00	I Type Jetty	-	-	1	-	1
	Minor	14.00	L Type Jetty	-	1	-	-	1
Purnagad	Minor	2.00	I	1	-	-	-	1
Jaitapur	Minor	5&3.50	Step & I	1	1	-	-	2
Vijaydurg	Minor	6.00	T Type Jetty	-	-	1	-	1
Deogad	Minor	4-6	T	-	-	1	-	1
Achara	Minor	4.00	-	1	-	-	-	4
Malwan	Minor	4.00	L	-	1	-	-	1
Niwati	Minor	-	-	2	1	-	-	3
Vengurla	Minor	5-6	I Type Jetty	1	-	-	-	1
Redi	Minor	-	-	2	-	-	-	2
Kiranpani	Minor	-	-	1	-	-	-	1
Dahanu	Minor	2-4	-	-	1	-	-	1
Satpati	Minor	2.00	-	1	-	-	-	1
K.Mahim	Minor	3.00	-	3	-	-	-	3
Datiware	Minor	2.00	1 Dtiware&1 Edwan	1	1	-	-	2
Arnala	Minor	4.00	Stopping jetty	1	-	1	-	2
Uttan	Minor	5.00	Fishing	4	-	1	-	5

**Table 1.10  
(Contd...)**

**Berthing Facilities Available at Non-Major Ports**

(As on 31.3.2018)

Name of the Port	Intermediate/ Minor	Max.Depth available at anchorage	Berth Type	No. of Berths by existing Draft				
				Below 2 meters	2-4 meters	4-6 meters	6 meters above	Total
1	2	3	4	5	6	7	8	9
Marve	Minor	2.00	Passenger Jetty	1	3	-	-	4
Versova	Minor	2.50	Stopping jetty	-	3	-	-	3
Bandra	Minor	2.50	Stopping jetty	-	4	-	-	4
varoda	Minor	2.00	I	1	-	-	-	1
Katale Terminal	Minor	7.00	T	-	-	-	1	1
Lavgan	Minor	8.50	T	-	-	-	1	1
Angre	Minor	13.00	T	-	-	-	1	1
JSW Jaigad	Minor	19.80	T	-	-	-	2	2
Katale Terminal	Minor	7.00	T	-	-	-	1	1
<b>KARNATAKA</b>								
Karwar	Intermediate	20.00	L Type Jetty	-	1	-	3	4
Honnavar	Minor	10.00	RCC piled jetty	1	1	-	-	2
Bhatkal	Minor	8.00	RCC piled jetty	-	1	-	-	1
Tadri	Minor	-	RCC piled jetty	1	-	-	-	1
Kundapur	Minor	8.00	RCC piled jetty	-	2	-	-	2
Belekeri	Minor	-	Loading Chute	1	1	-	-	2
Malpe	Minor	6.00	RCC piled jetty	-	1	-	-	1
Hangarkatta	Minor	6.00	RCC piled jetty	1	-	-	-	1
Old Mangalore	Intermediate	14.00	RCC Wharf	-	2	-	-	2
<b>KERALA</b>								
1. Vizhinjam/ Koavalam	Minor	5.00	Wharf	-	1	1	-	2
2. Azhikkal	Minor	2.50	Concerete	-	1	-	-	1
3. Kozhikode/Beyppore	Intermediate	6.50	General Cargo berth	-	2	-	-	2
4. Kollam	Minor	7.20	Concerete wall	-	-	-	1	1
<b>ODISHA</b>								
1. Dhamra	Minor	20.00	Concrete pile mounted Dol	1	-	-	4	5
	Minor	No Limt	Multi Purpose Berth	-	-	-	1	1
<b>Lakshadweep</b>								
1. Agatti	Minor	15.00	Jetty	-	-	-	-	-
2.Kavaratti	Minor	20.00	Jetty	-	1	-	1	2
3.Minicoy	Minor	20.00	Open Jetty	-	75	-	36	111
4. Chetlat	Minor	45.00	Mooring	-	-	-	-	-
5.Kalpeni	Minor	5.00	RCC piled jetty	-	3	-	-	3
6. Androth	Minor	8.00	-	-	2	1	-	3

**Table 1.10  
(Contd...)**

**Berthing Facilities Available at Non-Major Ports**

(As on 31.3.2018)

Name of the Port	Intermediate/ Minor	Max.Depth available at anchorage	Berth Type	No. of Berths by existing Draft				
				Below 2 meters	2-4 meters	4-6 meters	6 meters above	Total
1	2	3	4	5	6	7	8	9
<b>ANDHRA PRADESH</b>								
Kakinada								
(a)Anchorage	Intermediate	-	-	-	-	-	-	-
(b)Deep water	Intermediate	16.00	Multipurpose	-	-	-	18	18
Rawa	Minor	-	-	-	-	-	-	-
Krishnapattinam	Minor	36.00	Multipurpose	-	-	-	10	10
Gangavaram	Minor	50.00	Multipurpose	-	-	-	9	9
<b>TAMIL NADU</b>								
Cuddalore(Chemplast jetty)	Intermediate	11.00	Island type Marine Termin	-	-	-	1	1
Nagapattinam	Anchorage	Berthig a wharf to a lengt of 250 meters is available	Open road stead Port.	-	1	-	-	1
Rameshwaram	Minor	5.00	Open Road Stead	-	-	-	-	-
Pamban	Minor	7.00	-	-	-	-	-	-
Colachel	Minor	16.00	Rcc Jetty	-	1	-	-	1
Valinokkam	Minor	12.00	-	-	-	-	-	-
Kanyakumari	Minor	165.00	L shape jetty	1	-	-	-	1
Ennore	Minor	15.00	Four point mooring system	-	-	-	-	-
Kattupalli	Minor	19.00	Container Berths	-	-	-	2	2
Thirukkadaiyur	Minor	15.50	Singal Buoy Mooring	-	-	-	-	-
Kuddnkulam	Minor	11.00	Lo Lo & Ro Ro jetty	-	2	-	-	2
<b>GOA</b>								
1. Panaji	Minor	30.00	Anchorage	-	-	-	-	-
2. Betul	Minor	3.60	Anchorage	-	-	-	-	-
3. Chapora	Minor	2.40	Anchorage	-	-	-	-	-
4. Talpona	Minor	3.50	Anchorage	-	-	-	-	-
5. Tiracol	Minor	3.70	Anchorage	-	-	-	-	-
<b>DIU</b>								
Diu	Minor	18.00	Solid Wharf	1	-	-	-	1
			Pile jetty	-	1	-	-	1
Daman	Minor	9.15	1. RCC jetty at nani	-	-	1	-	1
<b>PONDICHERY</b>								
Pondicherry	Minor	12.00	RCC Mutti purpose	-	1	-	-	1
Sanmar/Karaikal MTF	Minor	9.50	Multi purpose	-	-	-	1	1
Karaikal LTD	Minor	18.00	Multi purpose	-	-	-	5	5

Source : State / UT Maritime Boards

Table 1.11

## Equipment Available at Various Non-Major Ports (As on 31.3.2018)

(Nos.)

State/Port/ Year	Dredgers	Cranes			Barges			Launches	Tugs	Pablos	Fork Lifts
		Upto 5 tons	6-10 tons	Above 10 tons	Dumb	Self-Propelled	Water Barges				
1	2	3	4	5	6	7	8	9	10	11	12
<b>GUJARAT *</b>											
2016-17	9	-	-	2	2	6	1	9	14	-	-
Mundra(APSEZL)	2	-	-	10	1	-	-	-	12	-	-
Dahej(APPPL)	-	-	-	4	-	-	-	-	2	-	-
Hazira(AHPPL)	2	-	-	4	-	-	-	-	5	-	-
Chemical Port Termi	-	-	-	-	-	-	-	-	3	-	-
PETRONET LNG LT	-	-	-	-	-	-	-	3	4	-	-
Pipavav	-	-	-	40	-	-	-	-	4	-	-
<b>Total*</b>	<b>13</b>	-	-	<b>60</b>	<b>3</b>	<b>6</b>	<b>1</b>	<b>12</b>	<b>44</b>	-	-
2017-18	7	1	-	1	2	6	1	8	13	-	-
<b>MAHARASHTRA</b>											
2016-17	1	2	-	11	-	46	-	1	6	-	-
2017-18	1	2	-	11	-	46	-	1	6	-	-
<b>GOA</b>											
Panaji											
2016-17	1	-	-	-	-	1	*	2	1	-	-
2017-18	1	-	-	-	-	1	*	2	1	-	-
<b>ANDHRA PRADESH</b>											
Kakinada Deep Water Port											
2016-17	-	-	-	12	-	-	-	-	-	-	-
2017-18	-	-	-	12	-	-	-	-	-	-	-
Krishnapatnam											
2016-17	-	3	-	39	1	-	1	5	4	-	-
2017-18	-	3	-	39	1	-	1	5	4	-	-
Gangavaram											
2016-17	-	-	-	5	-	-	-	3	3	-	-
2017-18	-	-	-	5	-	-	-	3	3	-	-
<b>TAMIL NADU</b>											
Nagapattinam											
2016-17	-	-	-	-	-	-	-	1	-	-	-
2017-18	-	-	-	-	-	-	-	1	-	-	-
Kanyakumari											
2016-17	-	-	-	-	-	-	-	1	3	-	-
2017-18	-	-	-	-	-	-	-	-	3	-	-
Kattupalli											
2016-17	-	-	-	21	-	-	-	2	2	-	-
2017-18	-	-	-	21	-	-	-	2	2	-	-
<b>KERALA</b>											
Kollam											
2016-17	-	1	-	3	-	-	-	-	1	-	-
2017-18	-	-	-	4	-	-	-	-	1	-	-
Azhikkal											
2016-17	-	-	-	3	-	-	-	-	1	-	-
2017-18	1	-	-	3	-	-	-	-	-	-	-

**Table 1.11  
(Contd...)**

**Equipment Available at Various Non-Major Ports (As on 31.3.2018)**

(Nos.)

State/Port/ Year	Dredgers	Cranes			Barges			Launches	Tugs	Pablos	Fork Lifts
		Upto 5 tons	6-10 tons	Above 10 tons	Dumb	Self-Propelled	Water Barges				
1	2	3	4	5	6	7	8	9	10	11	12
<b>Kozhikode/Beypor</b>											
2016-17	-	4	-	5	-	-	-	-	3	-	-
2017-18	-	4	-	5	-	-	-	-	3	-	-
<b>Kovalam-Vizhinjam</b>											
2016-17	-	1	-	4	-	-	-	-	1	-	-
2017-18	-	-	-	-	-	-	-	-	-	-	-
<b>DIU</b>											
2016-17	-	-	-	4	-	-	-	2	-	-	-
2017-18	-	-	-	4	-	-	-	1	-	-	-
<b>PUDUCHERRY</b>											
2016-17	1	-	-	-	-	-	-	2	2	-	-
2017-18	2	-	-	6	-	-	-	2	2	-	-
<b>ODISHA</b>											
<b>Gopalpur</b>											
2016-17	1	-	-	2	-	-	-	2	2	-	-
2017-18	-	-	-	2	-	-	-	2	2	-	-
<b>Dhamra</b>											
2016-17	-	-	-	4	-	-	-	-	4	-	-
2017-18	-	-	-	5	-	-	-	1	4	-	-
<b>ANDAMAN &amp; NICOBAR ISLAND</b>											
2016-17	2	-	6	2	9	-	-	-	1	-	-
2017-18	-	-	6	17	8	-	-	-	1	-	-
<b>LAKSHADWEEP</b>											
<b>Agatti</b>											
2016-17	-	-	-	-	-	-	-	-	-	-	-
2017-18	-	-	-	-	-	-	-	-	-	-	-
<b>Kavaratti</b>											
2016-17	-	-	-	-	-	-	-	-	-	-	-
2017-18	-	-	-	-	-	-	-	-	-	-	-
<b>Kalpeni</b>											
2016-17	-	-	-	-	-	-	-	-	-	-	-
2017-18	-	-	-	-	-	-	-	-	-	-	-
<b>Chetlat</b>											
2016-17	-	-	-	-	-	-	-	-	-	-	-
2017-18	-	-	-	-	-	-	-	-	-	-	-

: In Karnataka - Operated by private registered stevedores

No departmental Tug available.

\* In Gujarat for year 2016-17 , the total includes the GMB and Private Ports in Gujarat.

Source : State / UT Maritime Boards

Table 1.12

**State-Wise Navigational Aids Maintained By Department  
of Light-Houses and Light-Ships (As on 31.3.2018)**

(Number)

Maritime States/Uts	General Light house	Light buoy	Wreck marking buoys	VHF/HF RT set.	Racons	Light Vessel	Launches	Light House Tender	DGPS	VTS	NAIS
1	2	3	4	5	6	7	8	9	10	11	12
Gujarat	49	21	1	-	19	1	-	1	4	1	15
Maharashtra	20	-	2	-	11	-	-	-	2	-	10
Goa, Daman & Diu	3	-	-	-	1	-	-	-	1	-	1
Karnataka	10	-	1	2	-	-	-	-	1	-	5
Kerala	15	-	1	2	5	-	-	1	1	-	9
Tamilnadu	19	-	-	11	9	-	-	-	4	-	12
Puducherry	2	-	-	1	1	-	-	-	1	-	1
Andhra Pradesh	17	-	-	5	5	-	-	-	3	-	13
Orissa	7	-	-	4	2	-	-	-	1	-	8
West Bengal	2	-	-	3	1	-	-	-	1	-	1
Andaman & Nicobar Islands	33	-	-	1	5	-	-	1	3	-	7
Lakshadweep	16	-	-	2	5	-	-	-	1	-	5
<b>Total</b>	<b>193</b>	<b>21</b>	<b>5</b>	<b>31</b>	<b>64</b>	<b>1</b>	<b>-</b>	<b>3</b>	<b>23</b>	<b>1</b>	<b>87</b>

Source : Directorate General of Light Houses &amp; Light Ships.



# **SECTION – II**

## ***2. CURRENT PORT STATISTICS***

### ***2.1 MAJOR PORTS***

### ***2.2 NON-MAJOR PORTS***

**Table 2.1.1****Traffic Handled At Major Ports in India -2017-18**

(In '000 Tonnes)

Port	Overseas				Coastal				Overseas & Coastal			
	Un-Loaded	Loaded	Trans-shipment	Total	Un-Loaded	Loaded	Trans-shipment	Total	Un-Loaded	Loaded	Trans-shipment	Total
1	2	3	4	5	6	7	8	9	10	11	12	13
Deendayal	75997	23145	552	99694	5144	5261	0	10405	81141	28406	552	110099
Mumbai	26255	3566	4346	34167	2545	4281	21909	28735	28800	7847	26255	62902
J.L. Nehru	34430	26665	566	61661	2569	1614	160	4343	36999	28279	726	66004
Mormugao	13398	11778	0	25176	1051	670	0	1721	14449	12448	0	26897
New Mangalore	24842	7009	0	31851	7401	2807	0	10208	32243	9816	0	42059
Cochin	17281	2880	325	20486	5749	2567	341	8657	23030	5447	666	29143
V.O. Chidambaranar	18359	8252	0	26611	7812	2160	0	9972	26171	10412	0	36583
Chennai	31056	16684	0	47740	3154	987	0	4141	34210	17671	0	51881
Kamarajar	9235	2586	43	11864	18551	1	30	18582	27786	2587	73	30446
Visakhapatnam	37261	9704	604	47569	3232	12033	703	15968	40493	21737	1307	63537
Paradip	60600	9713	140	70453	762	30813	0	31575	61362	40526	140	102028
Haldia Dock Complex	26266	3738	947	30951	5452	4098	0	9550	31718	7836	947	40501
Kolkata Dock System	8025	6401	2081	16507	534	343	6	883	8559	6744	2087	17390
<b>All Ports</b>	<b>383005</b>	<b>132121</b>	<b>9604</b>	<b>524730</b>	<b>63956</b>	<b>67635</b>	<b>23149</b>	<b>154740</b>	<b>446961</b>	<b>199756</b>	<b>32753</b>	<b>679470</b>

Source : Major Ports

**Table 2.1.2****Traffic Handled At Major Ports by Selected Commodities - 2017-18**

('000 Tonnes)

Port	POL and Crude Product	Iron Ore	Fertiliser	FRM (Dry)	Food-grains	Coal*	Container Cargo		Others	Total
							000 Tonnes	000 TEUs		
1	2	3	4	5	6	7	8	9	10	11
Deendayal	60452	1371	3562	142	598	13787	1839	117	28349	110099
Mumbai	36745	0	225	63	0	2418	630	42	22821	62902
J.L.Nehru	4013	0	0	0	0	0	57866	4833	4124	66004
Mormugao	629	10259	182	0	0	10513	425	32	4889	26897
New Mangalore	22509	4903	563	130	51	6697	1744	115	5462	42059
Cochin	18664	0	35	188	0	44	7694	556	2518	29143
V.O.Chidambaranar	466	0	325	1076	1161	9795	14191	698	9569	36583
Chennai	13497	0	28	202	274	0	29905	1549	7975	51881
Kamarajar	3021	0	0	0	0	23172	52	3	4201	30446
Visakhapatnam	13057	10872	1953	920	76	8712	6835	389	21112	63537
Paradip	33776	12189	0	4449	0	41908	113	7	9593	102028
Haldia Dock Complex	5651	1576	364	338	0	9500	2672	156	20400	40501
Kolkata Dock System	781	0	286	21	236	179	9760	640	6127	17390
<b>All Ports</b>	<b>213261</b>	<b>41170</b>	<b>7523</b>	<b>7529</b>	<b>2396</b>	<b>126725</b>	<b>133726</b>	<b>9138</b>	<b>147140</b>	<b>679470</b>

\*: Thermal Coal &amp; Coking Coal

Source: Major Ports

Table 2.1.3

## Traffic Handled - Port-wise and Principal Commodity-wise - 2015-16, 2016-17 &amp; 2017-18

Commodity	('000 Tonnes) Kolkata Dock System																	
	2015-16						2016-17						2017-18					
	Overseas			Coastal			Overseas			Coastal			Overseas			Coastal		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
POL Crude	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
POL Products	133	88	221	418	25	443	172	6	178	456	271	727	174	18	192	470	119	589
Fertiliser	150	0	150	0	0	0	65	0	65	0	0	0	286	0	286	0	0	0
FRM - Dry	51	0	51	0	0	0	21	0	21	0	0	0	21	0	21	0	0	0
FRM - Liquid	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Food Grains	0	13	13	1	0	1	2016	14	2030	0	0	0	192	44	236	0	0	0
Iron & Steel	121	30	151	0	0	0	21	29	50	0	21	21	12	28	40	0	34	34
Iron Scrap	21	0	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar	0	0	0	0	0	0	39	0	39	0	0	0	3	0	3	0	0	0
Veg. Oil	719	0	719	0	0	0	525	0	525	0	0	0	614	0	614	0	0	0
Salt	0	0	0	30	0	30	0	0	0	22	0	22	0	0	0	0	0	0
Coking Coal	297	0	297	0	0	0	20	0	20	0	0	0	172	0	172	0	0	0
Thermal Coal	1660	0	1660	0	0	0	0	0	0	0	0	0	7	0	7	0	0	0
Cement	0	0	0	0	15	15	0	0	0	0	0	0	95	0	95	6	0	6
Iron Ore/Pellets	0	6	6	6	0	6	0	0	0	0	0	0	0	0	0	0	0	0
Other Ore	33	0	33	0	0	0	39	0	39	0	0	0	80	0	80	0	0	0
Tea and Coffee	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chemicals	140	0	140	38	0	38	0	0	0	0	0	0	131	0	131	21	0	21
Container	4929	4287	9216	12	35	47	5378	4442	9820	13	54	67	5252	4444	9696	11	53	64
Others	1752	1079	2831	30	663	693	1264	1725	2989	67	130	197	3053	1881	4934	32	137	169
<b>Total</b>	<b>10006</b>	<b>5503</b>	<b>15509</b>	<b>535</b>	<b>738</b>	<b>1273</b>	<b>9560</b>	<b>6216</b>	<b>15776</b>	<b>558</b>	<b>476</b>	<b>1034</b>	<b>10092</b>	<b>6415</b>	<b>16507</b>	<b>540</b>	<b>343</b>	<b>883</b>

**Table 2.1.3**  
(Contd...)

**Traffic Handled - Port-wise and Principal Commodity-wise - 2015-16, 2016-17 & 2017-18**

Commodity	Haldia Dock Complex																	
	2015-16						2016-17						2017-18					
	Overseas			Coastal			Overseas			Coastal			Overseas			Coastal		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
POL Crude	426	0	426	21	0	21	542	0	542	0	0	0	177	0	177	108	0	108
POL Products	1389	458	1847	1895	878	2773	871	401	1272	2056	896	2952	518	957	1475	3068	823	3891
Fertiliser	300	0	300	0	0	0	158	0	158	0	0	0	364	0	364	0	0	0
FRM - Dry	338	0	338	0	0	0	309	0	309	0	0	0	338	0	338	0	0	0
FRM - Liquid	343	0	343	9	0	9	251	0	251	0	0	0	291	0	291	0	0	0
Food Grains	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iron & Steel	563	74	637	30	16	46	176	489	665	17	30	47	133	640	773	0	11	11
Iron Scrap	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar	0	0	0	0	0	0	458	32	490	0	0	0	179	27	206	0	0	0
Veg. Oil	2386	6	2392	0	17	17	2204	0	2204	0	0	0	2492	14	2506	0	0	0
Salt	0	0	0	0	0	0	0	0	0	12	0	12	0	0	0	20	0	20
Coking Coal	5407	0	5407	315	0	315	5463	0	5463	60	0	60	6729	0	6729	590	0	590
Thermal Coal	0	0	0	0	1552	1552	0	0	0	0	1818	1818	0	0	0	0	2181	2181
Cement	0	0	0	199	0	199	36	0	36	689	0	689	462	0	462	754	0	754
Iron Ore/Pellets	46	45	91	770	8	778	0	998	998	0	162	162	0	795	795	0	781	781
Other Ore	1240	0	1240	0	0	0	959	0	959	0	0	0	1548	0	1548	0	0	0
Tea and Coffee	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chemicals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Container	742	594	1336	33	7	40	1054	1137	2191	179	97	276	952	865	1817	553	302	855
Others	12107	1009	13116	277	7	284	11212	1192	12404	183	0	183	12083	1387	13470	359	0	359
<b>Total</b>	<b>25287</b>	<b>2186</b>	<b>27473</b>	<b>3549</b>	<b>2485</b>	<b>6034</b>	<b>23693</b>	<b>4249</b>	<b>27942</b>	<b>3196</b>	<b>3003</b>	<b>6199</b>	<b>26266</b>	<b>4685</b>	<b>30951</b>	<b>5452</b>	<b>4098</b>	<b>9550</b>

Table 2.1.3  
(Contd...)

Traffic Handled - Port-wise and Principal Commodity-wise - 2015-16, 2016-17 & 2017-18

Commodity	('000 Tonnes)																		Paradip
	2015-16						2016-17						2017-18						
	Overseas			Coastal			Overseas			Coastal			Overseas			Coastal			
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
POL Crude	18107	0	18107	0	0	0	24480	0	24480	133	0	133	29060	0	29060	50	0	50	
POL Products	305	120	425	1492	543	2035	248	1120	1368	347	1367	1714	4	1183	1187	506	2972	3479	
Fertiliser	0	0	0	0	0	0	39	0	39	0	0	0	0	0	0	0	0	0	
FRM - Dry	4361	0	4361	0	0	0	4025	0	4025	0	0	0	4449	0	4449	0	0	0	
FRM - Liquid	1866	0	1866	40	0	40	1748	0	1748	66	0	66	1427	0	1427	32	24	56	
Food Grains	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Iron & Steel	111	0	111	0	0	0	36	685	721	6	200	206	23	1191	1214	14	160	174	
Iron Scrap	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Sugar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Veg. Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Salt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Coking Coal	7870	0	7870	0	351	351	10135	0	10135	0	27	27	12460	0	12460	27	375	401	
Thermal Coal	7494	0	7494	0	23756	23756	5673	0	5673	0	20172	20172	7023	0	7023	68	21956	22024	
Cement	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Iron Ore/Pellets	53	311	364	0	2525	2525	0	7235	7235	0	3015	3015	395	6756	7151	1	5037	5038	
Other Ore	0	131	131	0	0	0	0	334	334	0	0	0	0	213	213	0	187	187	
Tea and Coffee	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Chemicals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Container	70	62	132	0	0	0	14	25	39	0	3	3	15	32	47	6	60	66	
Others	6446	146	6592	15	222	237	6893	775	7668	45	112	157	5885	338	6223	58	41	99	
<b>Total</b>	<b>46683</b>	<b>770</b>	<b>47453</b>	<b>1547</b>	<b>27397</b>	<b>28944</b>	<b>53291</b>	<b>10174.15</b>	<b>63465</b>	<b>597</b>	<b>24896</b>	<b>25493</b>	<b>60740</b>	<b>9713</b>	<b>70454</b>	<b>762</b>	<b>30813</b>	<b>31575</b>	

Table 2.1.3  
(Contd...)

## Traffic Handled - Port-wise and Principal Commodity-wise - 2015-16, 2016-17 &amp; 2017-18

('000 Tonnes)

Visakhapatnam

Commodity	2015-16						2016-17						2017-18					
	Overseas			Coastal			Overseas			Coastal			Overseas			Coastal		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
POL Crude	9716	0	9716	1231	0	1231	9164	0	9164	325	0	325	9321	0	9321	474	0	474
POL Products	208	246	454	2055	1417	3472	154	266	420	2064	1078	3142	197	192	389	2046	827	2873
Fertiliser	1996	0	1996	0	0	0	1886	0	1886	0	0	0	1953	0	1953	0	0	0
FRM - Dry	799	0	799	0	0	0	761	2	763	15	0	15	920	0	920	0	0	0
FRM - Liquid	526	0	526	61	0	61	552	0	552	15	0	15	632	0	632	53	0	53
Food Grains	50	0	50	0	36	36	538	0	538	0	21	21	75	1	76	0	0	0
Iron & Steel	54	535	589	32	6	38	1	469	470	32	41	73	24	664	688	0	59	59
Iron Scrap	71	0	71	0	0	0	33	0	33	0	0	0	0	0	0	0	0	0
Sugar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Veg. Oil	0	0	0	0	0	0	5	0	5	0	0	0	31	0	31	0	0	0
Salt	0	0	0	0	0	0	0	0	0	87	0	87	0	0	0	42	0	42
Coking Coal	5108	0	5108	0	0	0	4282	0	4282	0	7	7	5764	0	5764	0	0	0
Thermal Coal	0	0	0	0	3393	3393	0	0	0	0	3471	3471	0	0	0	0	2948	2948
Cement	0	0	0	0	5	5	0	0	0	0	2	2	0	0	0	0	0	0
Iron Ore/Pellets	107	1467	1574	0	4514	4514	150	3107	3257	50	8313	8363	0	2804	2804	226	7842	8068
Other Ore	1298	18	1316	0	0	0	2039	5	2044	65	3	68	2088	82	2170	0	0	0
Tea and Coffee	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chemicals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Container	1997	2471	4468	370	307	677	2398	3318	5716	363	349	712	2714	3807	6521	145	169	314
Others	13616	2042	15658	291	992	1283	11948	2091	14039	354	1196	1550	14115	2185	16300	326	811	1137
<b>Total</b>	<b>35546</b>	<b>6779</b>	<b>42325</b>	<b>4040</b>	<b>10670</b>	<b>14710</b>	<b>33911</b>	<b>9258</b>	<b>43169</b>	<b>3370</b>	<b>14481</b>	<b>17851</b>	<b>37834</b>	<b>9735</b>	<b>47569</b>	<b>3312</b>	<b>12656</b>	<b>15968</b>

**Table 2.1.3  
(Contd...)**

**Traffic Handled - Port-wise and Principal Commodity-wise - 2015-16, 2016-17 & 2017-18**

('000 Tonnes)

KAMARAJAR

Commodity	2015-16						2016-17						2017-18					
	Overseas			Coastal			Overseas			Coastal			Overseas			Coastal		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
1	2	3	4	5	6	7	8	9	10	17	12	13	14	15	16	17	18	19
POL Crude	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
POL Products	477	0	477	1966	0	1966	579	0	579	2069	0	2069	489	0	489	2532	0	2532
Fertiliser	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FRM - Dry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FRM - Liquid	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Food Grains	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iron & Steel	0	0	0	0	0	0	0	0	0	0	0	0	0	42	42	0	0	0
Iron Scrap	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Veg. Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Salt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Coking Coal	75	0	75	0	0	0	79	0	79	0	0	0	199	0	199	0	0	0
Thermal Coal	10261	0	10261	15276	0	15276	8630	0	8630	14387	0	14387	6958	0	6958	16015	0	16015
Cement	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iron Ore/Pellets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Ore	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tea and Coffee	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chemicals	103	0	103	0	0	0	108	0	108	0	0	0	101	0	101	0	0	0
Container	0	0	0	1	0	1	0	0	0	0	1	1	47	0	47	4	1	5
Others	1443	2604	4047	0	0	0	1664	2352	4016	31	120	151	1484	2544	4028	0	30	30
<b>Total</b>	<b>12359</b>	<b>2604</b>	<b>14963</b>	<b>17243</b>	<b>0</b>	<b>17243</b>	<b>11060</b>	<b>2352</b>	<b>13412</b>	<b>16487</b>	<b>121</b>	<b>16608</b>	<b>9278</b>	<b>2586</b>	<b>11864</b>	<b>18551</b>	<b>31</b>	<b>18582</b>

Note:- Port started its operation from June, 2001 onwards.



Table 2.1.3  
(Contd...)

Traffic Handled - Port-wise and Principal Commodity-wise - 2015-16, 2016-17 & 2017-18

('000 Tonnes)

Chennai

Commodity	2015-16						2016-17						2017-18					
	Overseas			Coastal			Overseas			Coastal			Overseas			Coastal		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
POL Crude	7193	0	7193	1963	0	1963	8206	0	8206	1626	0	1626	8769	0	8769	1569	0	1569
POL Products	95	1057	1152	1167	416	1583	335	1039	1374	637	373	1010	277	1452	1729	919	511	1430
Fertiliser	61	0	61	0	0	0	62	0	62	0	0	0	28	0	28	0	0	0
FRM - Dry	199	0	199	0	0	0	191	0	191	0	15	15	202	0	202	0	0	0
FRM - Liquid	8	0	8	0	0	0	20	0	20	0	0	0	29	0	29	0	0	0
Food Grains	0	0	0	0	0	0	571	0	571	0	0	0	274	0	274	0	0	0
Iron & Steel	1237	83	1320	0	1	1	724	742	1466	29	3	32	827	955	1782	0	5	5
Iron Scrap	296	12	308	0	0	0	252	51	303	0	0	0	41	0	41	0	0	0
Sugar	0	0	0	0	0	0	0	0	0	0	0	0	153	0	153	0	0	0
Veg. Oil	1256	2	1258	0	4	4	1211	0	1211	0	0	0	1327	0	1327	0	0	0
Salt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	55	0	55
Coking Coal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thermal Coal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement	0	0	0	0	0	0	0	0	0	0	0	0	0	406	406	0	51	51
Iron Ore/Pellets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Ore	0	417	417	0	0	0	0	577	577	0	0	0	0	874	874	0	0	0
Tea and Coffee	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chemicals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Container	15779	13766	29545	321	341	662	15801	12269	28070	402	378	780	16900	12214	29114	392	399	791
Others	2743	1355	4098	219	67	286	3013	1365	4378	252	70	322	2228	783	3011	219	22	241
<b>Total</b>	<b>28867</b>	<b>16692</b>	<b>45559</b>	<b>3670</b>	<b>829</b>	<b>4499</b>	<b>30386</b>	<b>16043</b>	<b>46429</b>	<b>2946</b>	<b>839</b>	<b>3785</b>	<b>31055</b>	<b>16684</b>	<b>47739</b>	<b>3154</b>	<b>988</b>	<b>4142</b>

Table 2.1.3  
(Contd...)

## Traffic Handled - Port-wise and Principal Commodity-wise - 2015-16, 2016-17 &amp; 2017-18

('000 Tonnes) V.O. CHIDAMBARANAR

Commodity	2015-16						2016-17						2017-18					
	Overseas			Coastal			Overseas			Coastal			Overseas			Coastal		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
POL Crude	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
POL Products	393	0	393	82	0	82	340	0	340	99	0	99	404	0	404	62	0	62
Fertiliser	499	0	499	0	0	0	604	0	604	0	0	0	324	0	324	1	0	1
FRM - Dry	1012	0	1012	0	0	0	1037	0	1037	0	0	0	1076	0	1076	0	0	0
FRM - Liquid	148	10	158	0	110	110	212	0	212	0	186	186	191	0	191	0	109	109
Food Grains	371	7	378	0	0	0	1906	0	1906	0	0	0	1161	0	1161	0	0	0
Iron & Steel	18	7	25	0	0	0	0	10	10	25	0	25	14	15	29	26	0	26
Iron Scrap	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Sugar	0	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Veg. Oil	278	0	278	0	0	0	214	0	214	0	0	0	353	0	353	0	0	0
Salt	0	0	0	302	0	302	0	0	0	32	0	32	0	38	38	22	0	22
Coking Coal	3305	0	3305	0	0	0	3426	0	3426	0	0	0	0	0	0	0	0	0
Thermal Coal	6496	0	6496	4995	0	4995	6211	0	6211	4613	0	4613	3526	0	3526	6269	0	6269
Cement	0	99	99	0	0	0	0	103	103	0	2	2	0	101	101	0	0	0
Iron Ore/Pellets	86	0	86	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Ore	1241	291	1532	0	0	0	1249	234	1483	0	0	0	1423	0	1423	5	0	5
Tea and Coffee	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chemicals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Container	4439	6404	10843	740	805	1545	4298	6464	10762	859	1370	2229	4344	6630	10974	1278	1939	3217
Others	2894	1443	4337	68	276	344	2756	1908	4664	115	189	304	5543	1468	7011	149	112	261
<b>Total</b>	<b>21180</b>	<b>8291</b>	<b>29471</b>	<b>6187</b>	<b>1191</b>	<b>7378</b>	<b>22254</b>	<b>8719</b>	<b>30973</b>	<b>5743</b>	<b>1747</b>	<b>7490</b>	<b>18359</b>	<b>8252</b>	<b>26611</b>	<b>7812</b>	<b>2160</b>	<b>9972</b>

Table 2.1.3  
(Contd...)

Traffic Handled - Port-wise and Principal Commodity-wise - 2015-16, 2016-17 & 2017-18

Commodity	('000 Tonnes)																		Cochin
	2015-16						2016-17						2017-18						
	Overseas			Coastal			Overseas			Coastal			Overseas			Coastal			
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
POL Crude	8603	0	8603	2066	65	2131	11012	0	11012	1016	50	1066	13596	0	13596	575	40	615	
POL Products	268	808	1076	992	971	1963	357	1361	1718	992	952	1944	201	938	1139	1127	2187	3314	
Fertiliser	22	0	22	0	0	0	17	0	17	0	0	0	35	0	35	0	0	0	
FRM - Dry	230	0	230	0	0	0	235	0	235	0	0	0	188	0	188	0	0	0	
FRM - Liquid	213	0	213	15	0	15	241	0	241	15	0	15	224	0	224	0	0	0	
Food Grains	95	0	95	0	0	0	174	0	174	0	0	0	0	0	0	0	0	0	
Iron & Steel	18	0	18	20	0	20	8	0	8	17	0	17	20	0	20	40	0	40	
Iron Scrap	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Sugar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Veg. Oil	12	0	12	0	0	0	5	0	5	0	0	0	15	0	15	0	0	0	
Salt	0	0	0	105	0	105	0	0	0	105	0	105	0	0	0	94	0	94	
Coking Coal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Thermal Coal	88	0	88	0	0	0	44	0	44	0	0	0	44	0	44	0	0	0	
Cement	0	0	0	824	0	824	0	0	0	816	0	816	0	0	0	784	0	784	
Iron Ore/Pellets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other Ore	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Tea and Coffee	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Chemicals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Container	1919	1618	3537	1998	250	2248	1903	1846	3749	2678	413	3091	1991	1971	3962	3276	456	3732	
Others	673	201	874	21	0	21	596	135	731	17	2	19	1130	133	1263	23	55	78	
<b>Total</b>	<b>12141</b>	<b>2627</b>	<b>14768</b>	<b>6041</b>	<b>1286</b>	<b>7327</b>	<b>14592</b>	<b>3342</b>	<b>17934</b>	<b>5656</b>	<b>1417</b>	<b>7073</b>	<b>17444</b>	<b>3042</b>	<b>20486</b>	<b>5919</b>	<b>2738</b>	<b>8657</b>	

Table 2.1.3  
(Contd...)

## Traffic Handled - Port-wise and Principal Commodity-wise - 2015-16, 2016-17 &amp; 2017-18

('000 Tonnes)

New Mangalore

Commodity	2015-16						2016-17						2017-18					
	Overseas			Coastal			Overseas			Coastal			Overseas			Coastal		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
POL Crude	14254	0	14254	1635	0	1635	13918	0	13918	2748	0	2748	12373	0	12373	3658	0	3658
POL Products	316	3391	3707	236	2134	2370	239	3692	3931	390	2045	2435	380	3937	4317	429	1732	2161
Fertiliser	732	0	732	0	0	0	408	0	408	0	0	0	556	0	556	7	0	7
FRM - Dry	53	26	79	0	0	0	37	43	80	0	0	0	68	62	130	0	0	0
FRM - Liquid	197	0	197	0	0	0	263	0	263	5	0	5	258	0	258	21	0	21
Food Grains	27	0	27	0	0	0	248	0	248	0	0	0	51	0	51	0	0	0
Iron & Steel	11	1	12	0	0	0	0	0	0	0	1	1	5	0	5	116	1	117
Iron Scrap	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar	0	0	0	0	0	0	0	0	0	0	0	0	207	0	207	0	23	23
Veg. Oil	696	31	727	3	0	3	688	0	688	0	6	6	788	0	788	0	5	5
Salt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Coking Coal	2958	53	3011	0	40	40	3304	48	3352	2	33	35	4156	0	4156	16	33	49
Thermal Coal	3319	0	3319	0	0	0	3533	0	3533	0	0	0	2492	0	2492	0	0	0
Cement	0	0	0	372	0	372	0	0	0	377	0	377	0	0	0	397	0	397
Iron Ore/Pellets	72	171	243	57	154	211	326	1038	1364	1236	347	1583	363	1524	1887	2158	858	3016
Other Ore	330	0	330	0	0	0	79	0	79	0	0	0	0	0	0	0	0	0
Tea and Coffee	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chemicals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Container	502	382	884	144	78	222	469	319	788	363	260	623	496	612	1108	538	98	636
Others	1910	1003	2913	157	137	294	2303	762	3065	188	218	406	2649	874	3523	61	57	118
<b>Total</b>	<b>25377</b>	<b>5058</b>	<b>30435</b>	<b>2604</b>	<b>2543</b>	<b>5147</b>	<b>25815</b>	<b>5902</b>	<b>31717</b>	<b>5309</b>	<b>2910</b>	<b>8219</b>	<b>24842</b>	<b>7009</b>	<b>31851</b>	<b>7401</b>	<b>2807</b>	<b>10208</b>

Table 2.1.3  
(Contd...)

Traffic Handled - Port-wise and Principal Commodity-wise - 2015-16, 2016-17 & 2017-18

Mormugao

Commodity	('000 Tonnes)																	
	2015-16						2016-17						2017-18					
	Overseas			Coastal			Overseas			Coastal			Overseas			Coastal		
Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
POL Crude	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
POL Products	0	0	0	557	2	559	9	0	9	618	0	618	8	0	8	617	4	621
Fertiliser	223	0	223	0	0	0	199	0	199	0	0	0	182	0	182	0	0	0
FRM - Dry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FRM - Liquid	372	0	372	0	0	0	336	0	336	0	0	0	447	0	447	0	0	0
Foodgrain	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iron & Steel	0	0	0	0	0	0	0	103	103	0	38	38	0	195	195	0	159	159
Iron Scrap	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Veg. Oil	36	0	36	0	0	0	0	0	0	0	0	0	29	0	29	0	0	0
Salt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Coking Coal	7740	0	7740	68	0	68	8349	0	8349	117	0	117	8181	0	8181	333	0	333
Thermal Coal	3727	0	3727	0	0	0	2514	0	2514	0	0	0	1999	0	1999	0	0	0
Cement	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iron Ore/Pellets	383	3372	3755	12	198	210	330	14636	14966	0	87	87	334	9480	9814	0	445	445
Other Ore	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tea and Coffee	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chemicals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Container	160	111	271	49	25	74	158	147	305	76	21	97	198	155	353	63	9	72
Others	1995	1556	3551	47	143	190	3135	2221	5356	7	80	87	2020	1948	3968	38	53	91
<b>Total</b>	<b>14636</b>	<b>5039</b>	<b>19675</b>	<b>733</b>	<b>368</b>	<b>1101</b>	<b>15030</b>	<b>17107</b>	<b>32137</b>	<b>818</b>	<b>226</b>	<b>1044</b>	<b>13398</b>	<b>11778</b>	<b>25176</b>	<b>1051</b>	<b>670</b>	<b>1721</b>

Table 2.1.3  
(Contd...)

Traffic Handled - Port-wise and Principal Commodity-wise - 2015-16, 2016-17 & 2017-18

('000 Tonnes)

J. L. Nehru

Commodity	2015-16						2016-17						2017-18					
	Overseas			Coastal			Overseas			Coastal			Overseas			Coastal		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
POL Crude	0	0	0		1515	1515	0	0	0	0	1420	1420	0	0	0	51	1394	1444
POL Products	253	535	788	1056	60	1116	442	523	965	1404	40	1444	455	513	969	1593	7	1600
Fertiliser	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FRM - Dry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FRM - Liquid	0	0	0	0	0	0	98	0	98	0	0	0	279	0	279	0	0	0
Food Grains	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iron & Steel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iron Scrap	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Veg. Oil	1582	0	1582	0	0	0	1302	0	1302	0	0	0	1425	0	1425	0	0	0
Salt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Coking Coal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thermal Coal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement	0	0	0	674	0	674	0	0	0	816	0	816	0	0	0	905	0	905
Iron Ore/Pellets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Ore	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tea and Coffee	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chemicals	837	0	837	0	0	0	691	75	766	0	113	113	722	34	756	0	82	82
Container	30449	26082	56531	32	227	259	29537	24763	54300	10	220	230	31256	26324	57580	13	273	286
Others	458	152	610	18	97	115	674	7	681	8	9	17	650	3	653	13	12	25
<b>Total</b>	<b>33579</b>	<b>26769</b>	<b>60348</b>	<b>1780</b>	<b>1899</b>	<b>3679</b>	<b>32744</b>	<b>25368</b>	<b>58112</b>	<b>2238</b>	<b>1802</b>	<b>4040</b>	<b>34788</b>	<b>26874</b>	<b>61661</b>	<b>2575</b>	<b>1768</b>	<b>4343</b>

Table 2.1.3  
(Contd...)

Traffic Handled - Port-wise and Principal Commodity-wise - 2015-16, 2016-17 & 2017-18

('000 Tonnes)

Mumbai

Commodity	2015-16						2016-17						2017-18					
	Overseas			Coastal			Overseas			Coastal			Overseas			Coastal		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
POL Crude	14207	0	14207	9470	2558	12028	14500	0	14500	9119	3102	12221	14920	0	14920	9355	3085	12440
POL Products	1625	1987	3612	4356	1466	5822	972	1994	2966	4187	1887	6074	1328	2247	3575	4650	1160	5810
Fertiliser	148	0	148	0	0	0	256	0	256	0	0	0	225	0	225	0	0	0
FRM - Dry	291	0	291	0	0	0	27	0	27	0	0	0	63	0	63	0	0	0
FRM - Liquid	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Food Grains	961	0	961	0	0	0	430	0	430	0	0	0	0	0	0	0	0	0
Iron & Steel	5554	360	5914	89	0	89	2564	804	3368	559	33	592	2459	749	3208	601	36	637
Iron Scrap	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar	0	5	5	0	0	0	0	0	0	0	0	0	19	0	19	0	0	0
Veg. Oil	173	0	173	0	0	0	121	0	121	0	0	0	96	1	97	0	0	0
Salt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Coking Coal	0	0	0	0	0	0	1596	0	1596	0	0	0	0	0	0	0	0	0
Thermal Coal	3451	0	3451	0	0	0	2608	0	2608	0	0	0	2393	0	2393	25	0	25
Cement	0	0	0	975	0	975	0	0	0	756	0	756	0	0	0	708	0	708
Iron Ore/Pellets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Ore	150	0	150	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tea and Coffee	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chemicals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Container	445	85	530	17	27	44	138	119	257	382	0	382	349	84	433	197	0	197
Others	11944	550	12494	220	5	225	7950	578	8528	8447	0	8447	8740	494	9234	8918	0	8918
<b>Total</b>	<b>38949</b>	<b>2987</b>	<b>41936</b>	<b>15127</b>	<b>4056</b>	<b>19183</b>	<b>31162</b>	<b>3495</b>	<b>34657</b>	<b>23450</b>	<b>5022</b>	<b>28472</b>	<b>30592</b>	<b>3575</b>	<b>34167</b>	<b>24454</b>	<b>4281</b>	<b>28735</b>

Note:- Coastal cargo unloaded includes transshipment of POL crude(9153 Th. Tonnes) and products(3344 Th. Tonnes) moved through pipeline.

Table 2.1.3  
(Contd...)

Traffic Handled - Port-wise and Principal Commodity-wise - 2015-16, 2016-17 & 2017-18

Commodity	('000 Tonnes)																		Deendayal
	2015-16						2016-17						2017-18						
	Overseas			Coastal			Overseas			Coastal			Overseas			Coastal			
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
POL Crude	38379	0	38379	2717	0	2717	40972	0	40972	2891	0	2891	40830	0	40830	3975	0	3975	
POL Products	297	8742	9039	748	4111	4859	1340	11249	12589	603	2461	3064	320	10259	10579	625	4443	5068	
Fertiliser	4362	0	4362	0	0	0	3349	0	3349	0	0	0	3562	0	3562	0	0	0	
FRM - Dry	170	0	170	0	0	0	296	0	296	0	0	0	142	0	142	0	0	0	
FRM - Liquid	1856	0	1856	0	0	0	2123	0	2123	0	0	0	1721	0	1721	0	0	0	
Food Grains	79	733	812	0	0	0	198	388	586	0	0	0	204	394	598	0	0	0	
Iron & Steel	1131	81	1212	260	42	302	498	68	566	56	80	136	586	371	957	334	28	362	
Iron Scrap	426	0	426	0	0	0	397	0	397	0	0	0	229	0	229	0	0	0	
Sugar	1260	265	1525	7	26	33	1052	334	1386	0	0	0	858	144	1002	24	0	24	
Veg. Oil	4907	144	5051	0	2	2	4538	131	4669	0	0	0	4970	194	5164	0	0	0	
Salt	0	3637	3637	0	505	505	0	5967	5967	0	306	306	0	7152	7152	0	287	287	
Coking Coal	217	0	217	0	0	0	496	0	496	0	0	0	546	0	546	0	0	0	
Thermal Coal	14784	0	14784	0	0	0	15059	0	15059	0	0	0	13241	0	13241	0	0	0	
Cement	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	
Iron Ore/Pellets	927	0	927	25	0	25	461	0	461	274	0	274	1120	107	1227	144	0	144	
Other Ore	0	334	334	0	4	4	0	239	239	0	22	22	0	195	195	0	15	15	
Tea and Coffee	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Chemicals	2519	98	2617	8	6	14	0	0	0	0	0	0	0	0	0	0	0	0	
Container	2	28	30	1	25	26	9	104	113	16	46	62	289	1267	1556	32	251	282	
Others	3773	1657	5430	17	146	163	6785	2295	9080	178	161	339	7930	3063	10993	9	238	247	
<b>Total</b>	<b>75089</b>	<b>15719</b>	<b>90808</b>	<b>3783</b>	<b>4867</b>	<b>8650</b>	<b>77573</b>	<b>20775</b>	<b>98348</b>	<b>4018</b>	<b>3076</b>	<b>7094</b>	<b>76549</b>	<b>23145</b>	<b>99694</b>	<b>5144</b>	<b>5261</b>	<b>10405</b>	



Table 2.1.3  
(Contd...)

**Traffic Handled - Port-wise and Principal Commodity-wise - 2015-16, 2016-17 & 2017-18**

Commodity	('000 Tonnes)																		All Ports
	2014-15						2015-16						2017-18						
	Overseas			Coastal			Overseas			Coastal			Overseas			Coastal			
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
POL Crude	110885	0	110885	19103	4138	23241	122794	0	122794	17858	4572	22430	129046	0	129046	21158	4569	24334	
POL Products	5759	17432	23191	17020	12023	29043	6058	21651	27709	15922	11370	27292	4755	21696	26451	18645	14786	33430	
Fertiliser	8493	0	8493	0	0	0	7043	0	7043	0	0	0	7515	0	7515	8	0	8	
FRM - Dry	7504	26	7530	0	0	0	6939	45	6984	15	15	30	7467	62	7529	0	0	0	
FRM - Liquid	5529	10	5539	125	110	235	5844	0	5844	101	186	287	5499	0	5499	106	133	239	
Food Grains	1583	753	2336	1	36	37	6081	402	6483	0	21	21	1957	439	2396	0	0	0	
Iron & Steel	8818	1171	9989	431	65	496	4028	3399	7427	741	447	1188	4103	4850	8953	1130	494	1624	
Iron Scrap	814	12	826	0	0	0	683	51	734	0	0	0	270	0	270	0	0	0	
Sugar	1260	300	1560	7	26	33	1549	366	1915	0	0	0	1419	171	1590	24	23	47	
Veg. Oil	12045	183	12228	3	23	26	10813	131	10944	0	6	6	12140	209	12348	0	5	5	
Salt	0	3637	3637	437	505	942	0	5967	5967	258	306	564	0	7190	7190	233	287	520	
Coking Coal	32977	53	33030	383	391	774	37150.18	48	37198.2	179	67	246	38207	0	38207	966	408	1373	
Thermal Coal	51280	0	51280	20271	28701	48972	44272	0	44272	19000	25461	44461	37683	0	37683	22377	27085	49462	
Cement	0	99	99	3044	20	3064	36	103	139	3454	4	3458	557	507	1064	3556	51	3607	
Iron Ore/Pellets	1674	5372	7046	870	7399	8269	1267	27014	28281	1560	11924	13484	2212	21466	23678	2529	14963	17492	
Other Ore	4292	1191	5483	0	4	4	4365	1389	5754	65	25	90	5139	1364	6503	5	202	207	
Tea and Coffee	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Chemicals	3599	98	3697	46	6	52	799	75	874	0	113	113	954	34	988	21	82	103	
Container	61433	55890	117323	3718	2127	5845	61157	54953	116110	5341	3212	8553	64803	58405	123209	6507	4010	10518	
Others	61754	14797	76551	1380	2755	4135	60193	17406	77599	9892	2287	12178	67510	17101	84611	10205	1568	11774	
<b>Total</b>	<b>379699</b>	<b>101024</b>	<b>480723</b>	<b>66839</b>	<b>58329</b>	<b>125168</b>	<b>381071</b>	<b>132999.9</b>	<b>514071</b>	<b>74386</b>	<b>60015.74</b>	<b>134402</b>	<b>391236</b>	<b>133493</b>	<b>524730</b>	<b>86126</b>	<b>68615</b>	<b>154741</b>	

Source: Major Ports.

**Table 2.1.4****Percentage Share Of Indian Flag In The Overseas Cargo Traffic Handled At Indian Ports**

Port	2015-16 (%)			2016-17 (%)			2017-18 (%)		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
1	2	3	4	5	6	7	8	9	10
<b>MAJOR PORTS</b>	<b>8.4</b>	<b>2.3</b>	<b>7.2</b>	<b>10.3</b>	<b>2.6</b>	<b>8.3</b>	<b>11.2</b>	<b>2.8</b>	<b>9.1</b>
Deendayal	5.1	2.7	4.7	7.2	3.0	6.3	7.8	4.9	7.2
Mumbai	20.9	11.8	20.3	21.3	0.0	19.1	18.2	1.0	16.4
J.N.P.T.	1.8	0.8	1.3	1.6	1.6	1.6	1.2	0.5	0.9
Mormugao	1.2	2.3	1.5	1.9	3.4	2.7	1.5	2.9	2.2
New Mangalore	10.1	5.2	9.3	18.3	4.1	15.7	19.8	7.8	17.1
Cochin	7.4	8.5	7.6	17.4	6.3	15.4	31.9	12.3	29.0
V.O.Chidambaranar	2.8	0.5	2.1	2.8	1.0	2.3	1.5	0.1	1.1
Chennai	5.7	0.2	3.7	11.1	1.9	7.9	14.5	0.7	9.7
Vizag	15.7	6.5	14.2	17.6	6.1	15.2	17.7	2.3	14.5
Paradip	10.9	27.4	11.2	12.3	3.6	10.9	10.3	2.4	9.2
Haldia Dock Complex	7.8	0.4	7.2	7.1	1.5	6.3	7.6	2.0	6.8
Kolkata Dock System	3.5	0.1	2.3	0.9	0.0	0.6	5.6	7.2	6.2
Kamarajar	5.2	0.0	4.3	8.1	0.0	6.7	10.1	0.0	7.9
<b>NON-MAJOR PORTS</b>	<b>9.4</b>	<b>6.2</b>	<b>8.7</b>	<b>4.3</b>	<b>3.5</b>	<b>4.1</b>	<b>5.1</b>	<b>4.2</b>	<b>4.9</b>
<b>All Ports</b>	<b>8.9</b>	<b>4.2</b>	<b>7.9</b>	<b>7.6</b>	<b>3.0</b>	<b>6.4</b>	<b>8.4</b>	<b>3.4</b>	<b>7.2</b>

Table 2.1.5

**Container Traffic Handled at Major Ports - Type-  
Wise - 2015-16, 2016-17 & 2017-18**

(Nos.)

Type	Deendayal			MUMBAI			JAWAHARLAL NEHRU**		
	2015-16	2016-17	2017-18	2015-16	2016-17	2017-18	2015-16	2016-17	2017-18
1	2	3	4	5	6	7	8	9	10
<b>IMPORT</b>	<b>1137</b>	<b>2272</b>	<b>60391</b>	<b>33743</b>	<b>34391</b>	<b>36008</b>	<b>2271207</b>	<b>2205189</b>	<b>2410966</b>
20'	1137	2212	58731	8983	9605	6606	987563	860303	931554
40'	0	30	830	12380	12393	14701	641822	672443	739706
Stuffed	0	71	8721	29548	29727	33264	1963417	1727009	2113866
20'	0	41	8467	7462	7359	5730	929471	629659	891066
40'	0	15	127	11043	11184	13767	516973	548675	611400
Empty	1137	2201	51670	4195	4664	2744	307790	478180	297100
20'	1137	2171	50264	1521	2246	876	58092	230644	40488
40'	0	15	703	1337	1209	934	124849	123768	128306
<b>EXPORT</b>	<b>2030</b>	<b>2910</b>	<b>56762</b>	<b>1231</b>	<b>679</b>	<b>418</b>	<b>2169069</b>	<b>2250486</b>	<b>2359681</b>
20'	2026	2896	54828	415	123	212	910197	921680	870251
40'	2	7	967	408	278	103	629436	664403	744715
Stuffed	2002	2896	56654	1036	332	209	1783877	1961335	1833484
20'	1998	2896	54720	370	112	65	699265	883961	645706
40'	2	7	967	333	110	72	542306	538687	593889
Empty	28	0	108	195	347	209	385192	289151	526197
20'	28	0	108	45	11	147	210932	37719	224545
40'	0	0	0	75	168	31	87130	125716	150826
<b>TRANSHIP-MENT</b>	<b>0</b>	<b>0</b>	<b>72</b>	<b>7846</b>	<b>7792</b>	<b>5961</b>	<b>51292</b>	<b>44474</b>	<b>62750</b>
20'	0	0	68	3208	3640	2443	15396	7878	12842
40'	0	0	2	2319	2076	1759	17948	18298	24954
Stuffed	0	0	72	7846	7792	5961	43031	35480	56524
20'	0	0	68	3208	3640	2443	11069	7032	12586
40'	0	0	2	2319	2076	1759	15981	14224	21969
Empty	0	0	0	0	0	0	8261	8994	6226
20'	0	0	0	0	0	0	4327	846	256
40'	0	0	0	0	0	0	1967	4074	2985
<b>TOTAL</b>	<b>3167</b>	<b>5182</b>	<b>117225</b>	<b>42820</b>	<b>42862</b>	<b>42387</b>	<b>4491568</b>	<b>4500149</b>	<b>4833397</b>
20'	3163	5108	113627	12606	13368	9261	1913156	1789861	1814647
40'	2	37	1799	15107	14747	16563	1289206	1355144	1509375
Stuffed	2002	2981	65447	38430	37851	39434	3790325	3723824	4003874
20'	1998	2937	63255	11040	11111	8238	1639805	1520652	1549358
40'	2	22	1096	13695	13370	15598	1075260	1101586	1227258
Empty	1165	2201	51778	4390	5011	2953	701243	776325	829523
20'	1165	2171	50372	1566	2257	1023	273351	269209	265289
40'	0	15	703	1412	1377	965	213946	253558	282117

Note: Bifurcation in to LCL, FCL, Stuffed, empty, 20' & 40' & Dry/Reefer has not been provided by the terminal operator M/s ABGKCTL, to Deendayal Port.

**Table 2.1.5**  
(Contd...)

**Container Traffic Handled at Major Ports - Type-Wise -  
2015-16, 2016-17 & 2017-18**

(Nos.)

Type	MORMUGAO**			NEW MANGALORE**			COCHIN**		
	2015-16	2016-17	2017-18	2015-16	2016-17	2017-18	2015-16	2016-17	2017-18
1	2	3	4	5	6	7	8	9	10
<b>IMPORT</b>	<b>13616</b>	<b>14913</b>	<b>16360</b>	<b>38098</b>	<b>47799</b>	<b>58520</b>	<b>203791</b>	<b>228406</b>	<b>261856</b>
20'	7078	7607	8616	25706	33691	40380	116793	128788	147524
40'	3269	3653	3872	6196	7054	9070	43499	49809	57166
Stuffed	10338	10880	12169	30983	36507	43405	171732	193198	218543
20'	6856	7330	8489	22593	27541	31787	112166	124858	143223
40'	1741	1775	1840	4195	4483	5809	29783	34170	37660
Empty	3278	4033	4191	7115	11292	15115	32059	35208	43313
20'	222	277	127	3113	6150	8593	4627	3930	4301
40'	1528	1878	2032	2001	2571	3261	13716	15639	19506
<b>EXPORT</b>	<b>11923</b>	<b>14719</b>	<b>15644</b>	<b>37611</b>	<b>47130</b>	<b>56978</b>	<b>194720</b>	<b>231183</b>	<b>258595</b>
20'	6101	8071	8578	25437	33130	39732	110268	130935	147465
40'	2911	3324	3533	6087	7000	8623	42226	50124	55565
Stuffed	6952	8672	8872	20918	26432	32978	114033	129937	141207
20'	3256	3734	3254	14652	18070	22042	38471	40561	40151
40'	1848	2469	2809	3133	4181	5468	37781	44688	50528
Empty	4971	6047	6772	16693	20698	24000	80687	101246	117388
20'	2845	4337	5324	10785	15060	17690	71797	90374	107314
40'	1063	855	724	2954	2819	3155	4445	5436	5037
<b>TRANSHIP-MENT</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>21039</b>	<b>31498</b>	<b>35363</b>
20'	0	0	0	0	0	0	9611	23314	24311
40'	0	0	0	0	0	0	5714	4092	5526
Stuffed	0	0	0	0	0	0	20060	30871	33457
20'	0	0	0	0	0	0	9238	22941	23811
40'	0	0	0	0	0	0	5411	3965	4823
Empty	0	0	0	0	0	0	979	627	1906
20'	0	0	0	0	0	0	373	373	500
40'	0	0	0	0	0	0	303	127	703
<b>TOTAL</b>	<b>25539</b>	<b>29632</b>	<b>32004</b>	<b>75709</b>	<b>94929</b>	<b>115498</b>	<b>419550</b>	<b>491087</b>	<b>555814</b>
20'	13179	15678	17194	51143	66821	80112	236672	283037	319300
40'	6180	6977	7405	12283	14054	17693	91439	104025	118257
Stuffed	17290	19552	21041	51901	62939	76383	305825	354006	393207
20'	10112	11064	11743	37245	45611	53829	159875	188360	207185
40'	3589	4244	4649	7328	8664	11277	72975	82823	93011
Empty	8249	10080	10963	23808	31990	39115	113725	137081	162607
20'	3067	4614	5451	13898	21210	26283	76797	94677	112115
40'	2591	2733	2756	4955	5390	6416	18464	21202	25246

\*\* includes reefers

**Table 2.1.5**  
(Contd...)

**Container Traffic Handled at Major Ports - Type-Wise -  
2015-16, 2016-17 & 2017-18**

(Nos.)

Type	V.O.CHIDAMBANAR**			CHENNAI**			VISAKHAPATNAM**		
	2015-16	2016-17	2017-18	2015-16	2016-17	2017-18	2015-16	2016-17	2017-18
1	2	3	4	5	6	7	8	9	10
<b>IMPORT</b>	<b>310189</b>	<b>316059</b>	<b>348278</b>	<b>834219</b>	<b>839549</b>	<b>653532</b>	<b>105206</b>	<b>164832</b>	<b>190903</b>
20'	111421	112019	118252	369515	369013	281304	81082	111334	129089
40'	99384	102020	115013	232352	235268	186114	12062	26749	30907
Stuffed	249102	262254	272994	780424	800779	425382	80808	110209	125381
20'	104960	106986	107002	347036	347763	172940	65820	78995	92019
40'	72071	77634	82996	216694	226508	126221	7494	15607	16681
Empty	61087	53805	75284	53795	38770	228150	24398	54623	65522
20'	6461	5033	11250	22479	21250	108364	15262	32339	37070
40'	27313	24386	32017	15658	8760	59893	4568	11142	14226
<b>EXPORT</b>	<b>301525</b>	<b>323618</b>	<b>349353</b>	<b>730911</b>	<b>655282</b>	<b>895925</b>	<b>108981</b>	<b>169106</b>	<b>192287</b>
20'	107679	112564	121325	328155	284284	387315	82887	114676	128179
40'	96923	105527	114014	201378	185499	254305	13047	27215	32054
Stuffed	270020	284873	285668	563044	441932	852360	95734	149620	173090
20'	89824	88713	83406	229598	183906	366710	76994	110998	124360
40'	90098	98080	101131	166723	129013	242825	9370	19311	24365
Empty	31505	38745	63685	167867	213350	43565	13247	19486	19197
20'	17855	23851	37919	98557	100378	20605	5893	3678	3819
40'	6825	7447	12883	34655	56486	11480	3677	7904	7689
<b>TRANSHIP-MENT</b>	<b>0</b>	<b>3012</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>30736</b>	<b>33261</b>	<b>5434</b>
20'	0	2532	0	0	0	0	29340	28075	2870
40'	0	240	0	0	0	0	698	2593	1282
Stuffed	0	622	0	0	0	0	23858	23213	5434
20'	0	602	0	0	0	0	22906	20281	2870
40'	0	10	0	0	0	0	476	1466	1282
Empty	0	2390	0	0	0	0	6878	10048	0
20'	0	1930	0	0	0	0	6434	7794	0
40'	0	230	0	0	0	0	222	1127	0
<b>TOTAL</b>	<b>611714</b>	<b>642689</b>	<b>697631</b>	<b>1565130</b>	<b>1494831</b>	<b>1549457</b>	<b>244923</b>	<b>367199</b>	<b>388624</b>
20'	219100	227115	239577	697670	653297	668619	193309	254085	260138
40'	196307	207787	229027	433730	420767	440419	25807	56557	64243
Stuffed	519122	547749	558662	1343468	1242711	1277742	200400	283042	303905
20'	194784	196301	190408	576634	531669	539650	165720	210274	219249
40'	162169	175724	184127	383417	355521	369046	17340	36384	42328
Empty	92592	94940	138969	221662	252120	271715	44523	84157	84719
20'	24316	30814	49169	121036	121628	128969	27589	43811	40889
40'	34138	32063	44900	50313	65246	71373	8467	20173	21915

\*\* includes reefers

**Table 2.1.5**  
(Contd...)

**Container Traffic Handled at Major Ports - Type-Wise -  
2015-16, 2016-17 & 2017-18**

(Nos.)

Type	PARADIP			HALDIA		
	2015-16	2016-17	2017-18	2015-16	2016-17	2017-18
1	2	3	4	5	6	7
<b>IMPORT</b>	<b>2474</b>	<b>837</b>	<b>3512</b>	<b>43087</b>	<b>58417</b>	<b>72331</b>
20'	2474	837	3512	18983	35175	43511
40'	0	0	0	12052	11621	14410
Stuffed	2474	423	217	41064	50409	68459
20'	2474	423	217	16992	27181	39935
40'	0	0	0	12036	11614	14262
Empty	0	414	3295	2023	8008	3872
20'	0	414	3295	1991	7994	3576
40'	0	0	0	16	7	148
<b>EXPORT</b>	<b>2509</b>	<b>1076</b>	<b>3325</b>	<b>42055</b>	<b>77411</b>	<b>83697</b>
20'	2499	1076	3325	22661	45617	53729
40'	5	0	0	9697	15897	14984
Stuffed	2509	1076	3325	21512	42406	43175
20'	2499	1076	3325	18550	37088	37869
40'	5	0	0	1481	2659	2653
Empty	0	0	0	20543	35005	40522
20'	0	0	0	4111	8529	15860
40'	0	0	0	8216	13238	12331
<b>TRANSHIP-MENT</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
20'	0	0	0	0	0	0
40'	0	0	0	0	0	0
Stuffed	0	0	0	0	0	0
20'	0	0	0	0	0	0
40'	0	0	0	0	0	0
Empty	0	0	0	0	0	0
20'	0	0	0	0	0	0
40'	0	0	0	0	0	0
<b>TOTAL</b>	<b>4983</b>	<b>1913</b>	<b>6837</b>	<b>85142</b>	<b>135828</b>	<b>156028</b>
20'	4973	1913	6837	41644	80792	97240
40'	5	0	0	21749	27518	29394
Stuffed	4983	1499	3542	62576	92815	111634
20'	4973	1499	3542	35542	64269	77804
40'	5	0	0	13517	14273	16915
Empty	0	414	3295	22566	43013	44394
20'	0	414	3295	6102	16523	19436
40'	0	0	0	8232	13245	12479

1. Containers of size 40,/ more than 40, converted into TEUs by taking 1 container =2 TEUs.

**Table 2.1.5**  
(Contd...)

**Container Traffic Handled at Major Ports - Type-Wise -  
2015-16, 2016-17 & 2017-18**

(Nos.)

Type	KOLKATA**			KAMARAJAR		
	2015-16	2016-17	2017-18	2015-16	2016-17	2017-18
1	2	3	4	5	6	7
<b>IMPORT</b>	<b>297791</b>	<b>327474</b>	<b>330266</b>	<b>0</b>	<b>0</b>	<b>2678</b>
20'	177819	182190	172810	0	0	2566
40'	59986	72642	78728	0	0	56
Stuffed	283588	314090	312995	0	0	2234
20'	170546	176922	166699	0	0	2122
40'	56521	68584	73148	0	0	56
Empty	14203	13384	17271	0	0	444
20'	7273	5268	6111	0	0	444
40'	3465	4058	5580	0	0	0
<b>EXPORT</b>	<b>279958</b>	<b>308374</b>	<b>309917</b>	<b>0</b>	<b>0</b>	<b>0</b>
20'	164432	171102	159837	0	0	0
40'	57763	68636	75040	0	0	0
Stuffed	218460	219338	230209	0	0	0
20'	134712	140004	131109	0	0	0
40'	41874	39667	49550	0	0	0
Empty	61498	89036	79708	0	0	0
20'	29720	31098	28728	0	0	0
40'	15889	28969	25490	0	0	0
<b>TRANSHIP-MENT</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
20'	0	0	0	0	0	0
40'	0	0	0	0	0	0
Stuffed	0	0	0	0	0	0
20'	0	0	0	0	0	0
40'	0	0	0	0	0	0
Empty	0	0	0	0	0	0
20'	0	0	0	0	0	0
40'	0	0	0	0	0	0
<b>TOTAL</b>	<b>577749</b>	<b>635848</b>	<b>640183</b>	<b>0</b>	<b>0</b>	<b>2678</b>
20'	342251	353292	332647	0	0	2566
40'	117749	141278	153768	0	0	56
Stuffed	502048	533428	543204	0	0	2234
20'	305258	316926	297808	0	0	2122
40'	98395	108251	122698	0	0	56
Empty	75701	102420	96979	0	0	444
20'	36993	36366	34839	0	0	444
40'	19354	33027	31070	0	0	0

**Table 2.1.5  
(Contd...)**

**Container Traffic Handled at Major Ports - Type-Wise -  
2015-16, 2016-17 & 2017-18**

(Nos.)

Type	ALL PORTS		
	2015-16	2016-17	2017-18
1	2	3	4
<b>IMPORT</b>	<b>4154558</b>	<b>4240138</b>	<b>4445601</b>
20'	1908554	1852774	1944455
40'	1123002	1193682	1250573
Stuffed	3643478	3535556	3637630
20'	1786376	1535058	1669696
40'	928551	1000249	983967
Empty	511080	704582	807971
20'	122178	317716	274759
40'	194451	193433	266606
<b>EXPORT</b>	<b>3882523</b>	<b>4081974</b>	<b>4582582</b>
20'	1762757	1826154	1974776
40'	1059883	1127910	1303903
Stuffed	3100097	3268863	3661231
20'	1310189	1511119	1512717
40'	894954	878872	1074257
Empty	782426	813111	921351
20'	452568	315035	462059
40'	164929	249038	229646
<b>TRANSHIP-MENT</b>	<b>110913</b>	<b>120037</b>	<b>109580</b>
20'	57555	65439	42534
40'	26679	27299	33523
Stuffed	94795	97978	101448
20'	46421	54496	41778
40'	24187	21741	29835
Empty	16118	22059	8132
20'	11134	10943	756
40'	2492	5558	3688
<b>TOTAL</b>	<b>8147994</b>	<b>8442149</b>	<b>9137763</b>
20'	3728866	3744367	3961765
40'	2209564	2348891	2587999
Stuffed	6838370	6902397	7400309
20'	3142986	3100673	3224191
40'	1847692	1900862	2088059
Empty	1309624	1539752	1737454
20'	585880	643694	737574
40'	361872	448029	499940

Source: Major Ports and IPA



Table 2.1.6

## Overseas Cargo of Principal Commodities Unloaded by Country - 2017-18

Country of Origin/Commodities	In '000 Tonnes													
	KDS	HDC	PPT	VPT	KPL	ChPT	V.O.C	CoPT	NMPT	MoPT	JNPT	MbPT	DPT	ALL PORTS
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<b>POL-CRUDE</b>														
Angola			5500			145			131				773	6549
Algeria						268		468				827		1563
Argentina														0
Australia														0
Benin			0											0
Brunei		34	240									537		811
CIS (Ex Russia)														0
Denmark												92		92
Egypt									66				959	1025
Indonesia														0
Iran			1938	320		569		558	4938			199	8210	16732
Iraq			7017	2034		2559		1231				3152	10476	26469
Ivory Cost														0
Kuwait			2748					4319	874			267	3122	11330
Liberia														0
Libya														0
Malaysia		110	1068			464		151				865	675	3333
Mauritius													131	131
Netherland														0
Nigeria			3222	2552		1016		1338				609	2771	11508
Oman								1232	225				1180	2637
Pakistan														0
Qatar													136	136
Russia			558					139					275	972
Saudi Arabia			3141	2628				3227	4861			4040		17897
Singapore			670			77								747
South Korea				146										146
South Africa			255										4349	4604
Sudan														0
Syria		33											75	108
Tunisia														0
Turkey			279					125	84			358		846
U.A.E.			1596	1277				657	1053			2365	3086	10034
Ukraine												96		96
Venezuela													1946	1946
Yemen														0
Other Countries			828	364		3671		151	141			1513	2666	9334
<b>Total</b>	<b>0</b>	<b>177</b>	<b>29060</b>	<b>9321</b>	<b>0</b>	<b>8769</b>	<b>0</b>	<b>13596</b>	<b>12373</b>	<b>0</b>	<b>0</b>	<b>14920</b>	<b>40830</b>	<b>129046</b>

Table 2.1.6

## Overseas Cargo of Principal Commodities Unloaded by Country - 2017-18

Country of Origin/Commodities	In '000 Tonnes													
	KDS	HDC	PPT	VPT	KPL	ChPT	V.O.C	CoPT	NMPT	MoPT	JNPT	MbPT	DPT	ALL PORTS
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<b>POL-PRODUCT</b>														
Bahrain					17						15		25	57
Belgium														0
Bangladesh														0
Canada														0
China				20		60						14		94
France												15		15
Hong Kong														0
Indonesia				14		25						3		42
Iran											4	12		16
Iraq												2		2
Japan												92		92
North Korea														0
South Korea					10						86	3		99
Kuwait		24										41		65
Malaysia			4	85	19	44	12		15		13	2	30	224
Maldives														0
Netherland														0
Norway														0
Oman		261					85		150		16			512
Pakistan	8						91					4		103
Qatar		51									12	3	28	94
Russia														0
Saudi Arabia		49			17		22				1	112		201
Singapore		35		15	173	64	120		24		74	81		586
Taiwan												2		2
Thailand					10							4		14
Turkey														0
Tunisia														0
U.A.E.		98		63	67		55	43	191	8	82	219	210	1036
USA					176		19	151			118	64		528
Other Countries	166		0			84		7	0		34	655	27	973
<b>Total</b>	<b>174</b>	<b>518</b>	<b>4</b>	<b>197</b>	<b>489</b>	<b>277</b>	<b>404</b>	<b>201</b>	<b>380</b>	<b>8</b>	<b>455</b>	<b>1328</b>	<b>320</b>	<b>4755</b>

Table 2.1.6

## Overseas Cargo of Principal Commodities Unloaded by Country - 2017-18

Country of Origin/Commodities	In '000 Tonnes													
	KDS	HDC	PPT	VPT	KPL	ChPT	V.O.C	CoPT	NMPT	MoPT	JNPT	MbPT	DPT	ALL PORTS
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<b>FERTILIZER</b>														
Albania														0
Australia														0
Baharain		22											33	55
Belarus													74	74
Brazil														0
Canada		185		70									70	325
China	281	157		537						2			616	1593
CIS (Ex. Russia)														0
Egypt													55	55
Estonia				55										55
Ethopia														0
Germany									114				20	134
Indonesia				66										66
Iran				186		28			42	11			502	769
Israel				121			156		53	31			69	430
Jordan											138		264	402
Kuwait									42					42
Latvia														0
Lithuania				65			96	15					123	299
Malaysia														0
Mexico														0
Morocco														0
Netherland														0
Oman				245			42		132				325	744
Qatar				135									42	177
Romania														0
Russia				249			30	20	151				396	846
Saudi Arabia									17				563	580
Singapore														0
South Korea				59										59
Soviet Union														0
Sri Lanka														0
Thailand														0
Tunisia														0
Turkey														0
U.A.E.				65									131	196
Ukraine														0
United Kingdom														0
USA													93	93
Other Countries	5			100	0	0			5			225	186	521
<b>Total</b>	<b>286</b>	<b>364</b>	<b>0</b>	<b>1953</b>	<b>0</b>	<b>28</b>	<b>324</b>	<b>35</b>	<b>556</b>	<b>182</b>	<b>0</b>	<b>225</b>	<b>3562</b>	<b>7515</b>

Table 2.1.6

## Overseas Cargo of Principal Commodities Unloaded by Country - 2017-18

Country of Origin/Commodities	In '000 Tonnes													
	KDS	HDC	PPT	VPT	KPL	ChPT	V.O.C	CoPT	NMPT	MoPT	JNPT	MbPT	DPT	ALL PORTS
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<b>FRM-DRY</b>														
Algeria				31										31
Antigua			110											110
Australia														0
Bahrain				16				19						35
Brunoi														0
Belgium														0
Chile								43						43
China				49										49
Denmark														0
Egypt		273		39		58	38		68				142	618
Iran														0
Israel														0
Italy														0
Japan														0
Jordan			1833				964							2797
Kuwait														0
Libya														0
Morocco			1118	195			12	43						1368
Nauru														0
Qatar		12	304	32				28						376
Russia			75											75
Saudi Arabia		14	212	59			62							347
Senegal														0
South Africa														0
Sri Lanka														0
Sudan														0
Syria														0
Togo														0
Tunisia														0
U.A.E.		39	139	53				55						286
USA				73										73
Ukraine														0
Vietnam														0
Yemen														0
Other Countries	21		658	373		144						63		1259
<b>Total</b>	<b>21</b>	<b>338</b>	<b>4449</b>	<b>920</b>	<b>0</b>	<b>202</b>	<b>1076</b>	<b>188</b>	<b>68</b>	<b>0</b>	<b>0</b>	<b>63</b>	<b>142</b>	<b>7467</b>

Table 2.1.6

## Overseas Cargo of Principal Commodities Unloaded by Country - 2017-18

Country of Origin/Commodities	In '000 Tonnes													
	KDS	HDC	PPT	VPT	KPL	ChPT	V.O.C	CoPT	NMPT	MoPT	JNPT	MbPT	DPT	ALL PORTS
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<b>FRM-LIQUID</b>														
Australia			22	5										27
Bahrain							7							7
Bangladesh														0
Belgium													30	30
Egypt			35				15	15		10			41	116
Germany														0
Indonesia			86	8				8			14			116
Iran			151	104				8	14					277
Israel													15	15
Japan			205	119										324
Jordan		12		11					27	36	31		928	1045
Kuwait			23											23
Malaysia			15											15
Mauritius														0
Morocco		204	160	6				163	104	389	234			1260
Oman		5							4					9
Qatar		38	55	15			117	30	25				15	295
Russia														0
Saudi Arabia		6	17	39			36		9				95	202
Senegal							16		10	12			380	418
Singapore			33	6										39
South Africa		7		51					6					64
South Korea			103	93										196
Tunisia														0
USA				13										13
U.A.E.		9	9	56			0		36				30	140
U.K														0
Ukraine			258										94	352
Other Countries		10	255	106		29	0		23				93	516
<b>Total</b>	<b>0</b>	<b>291</b>	<b>1427</b>	<b>632</b>	<b>0</b>	<b>29</b>	<b>191</b>	<b>224</b>	<b>258</b>	<b>447</b>	<b>279</b>	<b>0</b>	<b>1721</b>	<b>5499</b>

Table 2.1.6

## Overseas Cargo of Principal Commodities Unloaded by Country - 2017-18

In '000 Tonnes

Country of Origin/Commodities	KDS	HDC	PPT	VPT	KPL	ChPT	V.O.C	CoPT	NMPT	MoPT	JNPT	MbPT	DPT	ALL PORTS
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<b>FOOD GRAIN</b>														
Argentina													204	
Australia						87	473							560
Canada				23										23
China														0
Dubai														0
Indonesia														0
Japan	6													6
Jordan														0
Myanmar														0
Russia									51					51
Taiwan														0
Vietnam														0
Others	186			52		187	688	0						1113
<b>Total</b>	<b>192</b>	<b>0</b>	<b>0</b>	<b>75</b>	<b>0</b>	<b>274</b>	<b>1161</b>	<b>0</b>	<b>51</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>204</b>	<b>1753</b>
<b>IRON &amp; STEEL</b>														
Australia														0
Bangladesh														0
Brazil												10		10
Belgium						5						48		53
China	5	45				87		12	5			540	291	985
CIS(Ex. Russia)														0
Egypt														0
France														0
Germany												1		1
Indonesia		5				31						41	6	83
Iran												6		6
Italy														0
Japan	5	68				108		1				382	176	740
North Korea														0
South Africa												1		1
South Korea		15					14					1144	54	1227
Malaysia												3		3
Myanmar														0
Netherland														0
Panama														0
Romania												3		3
Russia														0
Singapore			12			49						1	16	78
Saudi Arabia												2		2
Spain												1		1
Sri Lanka				1										1
Swedon														0
Taiwan												5		5
Thailand			11											11
Turkey														0
U.A.E.												7	21	28
Ukraine												51		51
UK														0
USA				20								54		74
Vietnam												78		85
Other Countries	2			3	0	547	0	0				81	22	655
<b>Total</b>	<b>12</b>	<b>133</b>	<b>23</b>	<b>24</b>	<b>0</b>	<b>827</b>	<b>14</b>	<b>20</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>2459</b>	<b>586</b>	<b>4103</b>

Table 2.1.6

## Overseas Cargo of Principal Commodities Unloaded by Country - 2017-18

In '000 Tonnes

Country of Origin/Commodities	KDS	HDC	PPT	VPT	KPL	ChPT	V.O.C	CoPT	NMPT	MoPT	JNPT	MbPT	DPT	ALL PORTS
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<b>EDIBLE OIL</b>														
Algeria														0
Argentina		821				8					180		1545	2554
Brazil		93									53		274	420
China				8									40	48
CIS (Ex Russia)						588								588
Egypt														0
France														0
Indonesia		1361		13		569	287		372	29	566	39	1806	5042
Japan														0
Macedonia														0
Maldives														0
Malaysia		157		8		102	66		163		168	10	774	1448
Qatar														0
Romania														0
Russia		20												20
Singapore						28			8				17	53
Saudi Arabia													36	36
Spain														0
Thailand		16									23		101	140
Turkey														0
Ukraine		17						15	245		393		70	740
UAE											3		270	273
USA														0
Other Countries	614	7	0	2		32					39	47	37	778
<b>Total</b>	<b>614</b>	<b>2492</b>	<b>0</b>	<b>31</b>	<b>0</b>	<b>1327</b>	<b>353</b>	<b>15</b>	<b>788</b>	<b>29</b>	<b>1425</b>	<b>96</b>	<b>4970</b>	<b>12140</b>
<b>COAL (COKING)</b>														
Australia		4781	8692	4096	20				530	6567			282	24968
Canada		250	433	650						719			18	2070
China			18						214	35				267
CIS (Ex Russia)														0
Colombia														0
Egypt			28		36				10					74
Indonesia		330	254	100					2502				23	3209
Iran														0
Japan					88				163					251
Mozambique		226	711	176						435			60	1608
New Zealand		151	207	36										394
Poland														0
Romania														0
Russia			837						59	400			27	1323
Singapore			382											382
South Africa			37	136	55								82	310
Ukraine														0
USA		486	516	570					169	25			54	1820
Venezuela														0
Vietnam			97											97
Other Countries	172	505	248		0		0		509					1434
<b>Total</b>	<b>172</b>	<b>6729</b>	<b>12460</b>	<b>5764</b>	<b>199</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4156</b>	<b>8181</b>	<b>0</b>	<b>0</b>	<b>546</b>	<b>38207</b>

Table 2.1.6

## Overseas Cargo of Principal Commodities Unloaded by Country - 2017-18

Country of Origin/Commodities	In '000 Tonnes													
	KDS	HDC	PPT	VPT	KPL	ChPT	V.O.C	CoPT	NMPT	MoPT	JNPT	MbPT	DPT	ALL PORTS
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<b>COAL (THERMAL)</b>														0
Australia			49						79				15	143
China										63			9	72
Colombia									18					18
Indonesia			2319		5206		3168	44	630	421			3822	15610
Malaysia														0
Philippines														0
Russia							131		139				344	614
Singapore			67		1489								163	1719
South Africa			4085				122		1626	1433			1808	9074
Spain														0
Thailand														0
USA													5088	5088
UAE			103											103
Ukraine														0
Other Countries	7		400		263		105			82		2393	1992	5242
<b>Total</b>	<b>7</b>	<b>0</b>	<b>7023</b>	<b>0</b>	<b>6958</b>	<b>0</b>	<b>3526</b>	<b>44</b>	<b>2492</b>	<b>1999</b>	<b>0</b>	<b>2393</b>	<b>13241</b>	<b>37683</b>
<b>IRON ORE / PELLETS</b>														
Australia			63											63
Bahrain														0
Brazil			328											328
China			4											4
Finland														0
Oman									308					308
Qatar														0
Russia														0
Senegal														0
South Africa										334			957	1291
Ukraine														0
Vietnam														0
Other Countries	0			0	0		0	0	55				163	218
<b>Total</b>	<b>0</b>	<b>0</b>	<b>395</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>363</b>	<b>334</b>	<b>0</b>	<b>0</b>	<b>1120</b>	<b>2212</b>



Table 2.1.6

## Overseas Cargo of Principal Commodities Unloaded by Country - 2017-18

In '000 Tonnes

Country of Origin/Commodities	KDS	HDC	PPT	VPT	KPL	ChPT	V.O.C	CoPT	NMPT	MoPT	JNPT	MbPT	DPT	ALL PORTS
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<b>OTHER ORES</b>														
Australia		149		351			114							614
Argentina		26		75										101
Brazil							99							99
Canada							47							47
Chile							458							458
China														0
Egypt														0
Gabon		303		137										440
Ghana														0
Indonesia							134							134
Iran														0
Japan		34		29										63
Malaysia				20			56							76
Maxico							22							22
Mozambique							67							67
Oman														0
Peru							343							343
Phillipines														0
Saudi Arabia							46							46
South Africa		941		1288										2229
Thailand														0
Turkey							11							11
UAE							21							21
USA				59										59
Other Countries	80	95		129			5							309
<b>Total</b>	<b>80</b>	<b>1548</b>	<b>0</b>	<b>2088</b>	<b>0</b>	<b>0</b>	<b>1423</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5139</b>

**Table 2.1.7**
**Overseas Cargo of Principal Commodities Loaded by Country ( Port-wise) - 2017-18**

(In '000 Tonnes)

Country of Origin/Commodities	KDS	HDC	PPT	VPT	KPL	ChPT	V.O.C	CoPT	NMPT	MoPT	JNPT	MbPT	DPT	ALL PORTS
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<b>POL-PRODUCT</b>														
Australia									41					41
Argentina														0
Bangladesh			179										240	419
Belgium														0
China		15		48		35		116	280		96	307	218	1115
Egypt									41				356	397
France														0
Guyana														0
Hongkong									82				136	218
Indonesia		45	19											64
Japan						36		90	178		70		277	651
Jakarta														0
Jordan									38					38
Kenya									88					88
North Korea														0
South Korea								128	240		81		124	573
Liberia														0
Malaysia		97	291			152		73	517				957	2087
Maldives														0
Malta													40	40
Mauritius									1098					1098
Namibia														0
Netherland									206				432	638
Oman		92							25		18		302	437
Pakistan														0
Qatar														0
Saudi Arabia													68	68
Singapore		615	372	144				288	681		73	107	3829	6109
Sri Lanka			42			740		7				209		998
Slovenia														0
Switzerland														0
Taiwan		30	32						73		36	68	64	303
Tanzania									76					76
U.A.E.			32						149		69	199	1924	2373
Ukarine								40				97		137
USA						115			42					157
Vietnam														0
Yemen													34	34
Yugoslavia														0
Other Countries	18	63	216			374		196	82		70	1260	1258	3537
<b>Total</b>	<b>18</b>	<b>957</b>	<b>1183</b>	<b>192</b>	<b>0</b>	<b>1452</b>	<b>0</b>	<b>938</b>	<b>3937</b>	<b>0</b>	<b>513</b>	<b>2247</b>	<b>10259</b>	<b>21696</b>

**Table 2.1.7  
(Contd.)**

**Overseas Cargo of Principal Commodities Loaded by Country ( Port-wise) - 2017-18**

(In '000 Tonnes)

Country of Origin/Commodities	KDS	HDC	PPT	VPT	KPL	ChPT	V.O.C	CoPT	NMPT	MoPT	JNPT	MbPT	DPT	ALL PORTS
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<b>FOOD GRAIN</b>														
Australia														0
Bangladesh	31			1										32
Canada														0
China														0
Ethopia														0
France														0
Indonesia														0
Iran													59	59
Italy														0
Japan														0
Kuwait														0
Malaysia														0
Maldives							0							0
Mozambique														0
Oman														0
Saudi Arabia													187	187
Singapore													13	13
Somalia														0
Sudan														0
Taiwan														0
Thailand														0
U.A.E.														0
Vietnam														0
Other Countries	13												135	148
<b>Total</b>	<b>44</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>394</b>	<b>439</b>

**Table 2.1.7  
Contd.**

**Overseas Cargo of Principal Commodities Loaded by Country ( Port-wise) - 2017-18**

(In '000 Tonnes)

Country of Origin/Commodities	KDS	HDC	PPT	VPT	KPL	ChPT	V.O.C	CoPT	NMPT	MoPT	JNPT	MbPT	DPT	ALL PORTS
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<b>IRON &amp; STEEL</b>														
Algeria														0
Bangladesh		5	78			6						2	51	142
Belgium				65		10						83	8	166
Brazil				25								4		29
China		5	10	16		4						1	7	43
CIS														0
Indonesia		10		50		26							57	143
Iran														0
Italy		27	238	77		41						158		541
Japan		5				28								33
Kenya				29									7	36
Kuwait												1	5	6
Malaysia		149	7	5		36				19			20	236
Maldives							15							15
Myanmar		24	10	7	13	5						20	7	86
Oman			74											74
Philippines		69	9	73									41	192
Qatar			23											23
Saudi Arabia		27	25	109								1	1	163
South Korea				10										10
Singapore		5	27		29	377								438
Spain			4	100								25	5	134
Sri Lanka		63		11		26								100
Sudan														0
Taiwan		3		6								22		31
Tanzania													25	25
Thailand		80		25		140				21		15		281
U.A.E.		15	188									19		222
United Kingdom												12		12
USA				37		5				115		62	10	229
Vietnam			137	314								60		511
Other Countries	28	16	174	29		251			0	40		264	127	929
<b>Total</b>	<b>28</b>	<b>640</b>	<b>1191</b>	<b>664</b>	<b>42</b>	<b>955</b>	<b>15</b>	<b>0</b>	<b>0</b>	<b>195</b>	<b>0</b>	<b>749</b>	<b>371</b>	<b>4850</b>

Table 2.1.7  
Contd.

Overseas Cargo of Principal Commodities Loaded by Country ( Port-wise) - 2017-18

(In '000 Tonnes)

Country of Origin/Commodities	KDS	HDC	PPT	VPT	KPL	ChPT	V.O.C	CoPT	NMPT	MoPT	JNPT	MbPT	DPT	ALL PORTS
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<b>IRON ORE</b>														
Bangladesh			133											133
China		769	5001	149					768	8305				14992
Itlay														0
Japan			74	1907					266	713				2960
Kuwait														0
Malaysia									55	44				99
South Korea				728					329				107	1164
Netherlands														0
Pakistan														0
Phillipines				20										20
Romania														0
Saudi Arabia														0
U.A.E.		26	52											78
United Kingdom			61											61
Vietnam									54	59				113
Other Countries	0	0	1435	0					52	359				1846
<b>Total</b>	<b>0</b>	<b>795</b>	<b>6756</b>	<b>2804</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1524</b>	<b>9480</b>	<b>0</b>	<b>0</b>	<b>107</b>	<b>21466</b>

**Table 2.1.7  
(Contd.)**

**Overseas Cargo of Principal Commodities Loaded by Country ( Port-wise) - 2017-18**

(In '000 Tonnes)

Country of Origin/Commodities	KDS	HDC	PPT	VPT	KPL	ChPT	V.O.C	CoPT	NMPT	MoPT	JNPT	MbPT	DPT	ALL PORTS
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<b>OTHER ORES</b>														
Banagladesh														0
Balgaria														0
Belgium														0
Brazil														0
China			90	44									66	200
France														0
Indonesia				11										11
Iran														0
Iraq						22								22
Italy														0
Japan			20	15										35
Kuwait													5	5
Poland														0
Singapore			16			104								120
Spain														0
South Korea			87											87
Maldives														0
Malaysia													81	81
Mexico														0
Netherlands													43	43
Nigeria														0
Qatar				4										4
Saudi Arabia														0
South Africa														0
Tanzania														0
Thailand														0
USA				3		102								105
Other Countries				5		646							0	651
<b>Total</b>	<b>0</b>	<b>0</b>	<b>213</b>	<b>82</b>	<b>0</b>	<b>874</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>195</b>	<b>1364</b>

**Table 2.1.8****Tare Weight of Containers handled At Major Ports (000'Tonnes)**

Port	Container Cargo			Tare Weight			Container Traffic		
	2015-16	2016-17	2017-18	2015-16	2016-17	2017-18	2015-16	2016-17	2017-18
1	2	3	4	5	6	7	8	9	10
Deendayal	56	175	1839	0	0	0	56	175	1839
Mumbai	497	561	556	77	78	74	574	639	630
J.L.Nehru	47370	45147	47279	9421	9383	10587	56791	54530	57866
Mormugao	284	331	351	61	71	74	345	402	425
N.Mangalore	944	1208	1498	161	203	246	1105	1411	1744
Cochin	4786	5669	6600	999	1171	1094	5785	6840	7694
V.O.Chidambanar	11159	11702	12793	1229	1289	1398	12388	12991	14191
Chennai	25469	24319	25203	4738	4531	4702	30207	28850	29905
Visakhapatnam	4569	5602	5968	576	826	867	5145	6428	6835
Paradip	121	38	98	11	4	15	132	42	113
Haldia Dock Complex	1201	2182	2343	175	285	329	1376	2467	2672
Kolkata Dock System*	8004	8548	8414	1259	1339	1346	9263	9887	9760
Kamarajar	1	1	52	0	0	0	0	1	52
<b>Total</b>	<b>104460</b>	<b>105482</b>	<b>112942</b>	<b>18707</b>	<b>19180</b>	<b>20732</b>	<b>123167</b>	<b>124663</b>	<b>133726</b>

\* Tare weight includes transshipment  
Tareweight is taken for 20' ctr is 2.5 Mt and for 40' and above is 3.5 Mt.  
Tare weight for Reefer is taken for 20' ctr is 3.5 Mt and for 40' nd above is 4.5 Mt.  
Source: Major Ports

Table 2.1.9

## Reefer Container Traffic at Major Ports - 2016-17 &amp; 2017-18

Port	Year	Export				Import			
		20 ft Containers		40 ft Containers		20 ft Containers		40 ft Containers	
		TEUs	Tonnes	TEUs	Tonnes	TEUs	Tonnes	TEUs	Tonnes
1	2	3	4	5	6	7	8	9	10
Kolkata Dock System	2016-17	1136	0	5339	0	1138	0	5410	0
	2017-18	915	0	6161	0	956	0	6215	0
Haldia Dock Complex	2016-17	-	-	-	-	-	-	-	-
	2017-18	-	-	-	-	-	-	-	-
Paradip	2016-17	-	-	-	-	-	-	-	-
	2017-18	-	-	-	-	-	-	-	-
Visakhapatnam	2016-17	421	0	10792	0	137	0	303	0
	2017-18	319	0	14033	0	713	0	10770	0
Chennai	2016-17	1297	0	6299	0	1768	0	9475	0
	2017-18	1153	0	4980	0	1800	0	6762	0
V.O. Chidambaranar	2016-17	397	0	3757	0	347	0	2867	0
	2017-18	295	0	3176	0	357	0	3697	0
Cochin	2016-17	855	0	8575	0	837	0	8424	0
	2017-18	812	0	9229	0	118	0	1096	0
New Mangalore	2016-17	57	0	2204	0	4	0	407	0
	2017-18	46	0	2637	0	20	0	924	0
Mormugao	2016-17	4	0	1776	0	4	0	1730	0
	2017-18	7	0	1972	0	10	0	1830	0
J.L.Nehru	2016-17	4138	0	56271	0	5303	0	116636	0
	2017-18	5643	0	119678	0	4526	0	50471	0
Mumbai	2016-17	-	-	-	-	-	-	-	-
	2017-18	-	-	-	-	-	-	-	-
Deendayal	2016-17	-	-	-	-	-	-	-	-
	2017-18	-	-	-	-	-	-	-	-
Kamarajar	2016-17	-	-	-	-	-	-	-	-
	2017-18	-	-	-	-	-	-	-	-
Total	2016-17	8305	0	95013	0	9538	0	145252	0
	2017-18	9190	0	161866	0	8500	0	81765	0

Source: Major Ports



Table 2.1.10

## Level of Containerisation in General Cargo at various Major Ports - 2016-17 &amp; 2017-18

Port/Year	Container Cargo* (000 tonnes)			General Cargo(Break Bulk + Container) (000 tonnes)			Percentage of Container Cargo to General Cargo		
	Loaded	Unloaded	Total	Loaded	Unloaded	Total	Loaded	Unloaded	Total
1	2	3	4	5	6	7	8	9	10
<b>DEENDAYAL</b>									
2016-17	150	25	175	1321	3489	4810	11.4	0.7	3.6
2017-18	1518	320	1838	2785	4058	6843	54.5	7.9	26.9
<b>MUMBAI</b>									
2016-17	119	520	639	1482	18366	19848	8.0	2.8	3.2
2017-18	84	546	630	1333	18386	19719	6.3	3.0	3.2
<b>J. L. NEHRU</b>									
2016-17	24983	29547	54530	24998	29556	54554	99.9	100.0	100.0
2017-18	26597	31269	57866	26613	31300	57913	99.9	99.9	99.9
<b>MORMUGAO</b>									
2016-17	168	234	402	2423	239	2662	6.9	97.9	15.1
2017-18	164	261	425	2240	271	2511	7.3	96.3	16.9
<b>NEW MANGALORE</b>									
2016-17	579	832	1411	696	994	1690	83.2	83.7	83.5
2017-18	710	1034	1744	767	1195	1962	92.6	86.5	88.9
<b>COCHIN</b>									
2016-17	2259	4581	6840	2261	4613	6874	99.9	99.3	99.5
2017-18	2427	5267	7694	2427	5331	7758	100.0	98.8	99.2
<b>V.O. CHIDAMBARANAR</b>									
2016-17	7834	5157	12991	9812	5564	15376	79.8	92.7	84.5
2017-18	8569	5622	14191	10141	6168	16309	84.5	91.1	87.0
<b>CHENNAI</b>									
2016-17	12647	16203	28850	14060	17065	31125	90.0	94.9	92.7
2017-18	12613	17292	29905	14141	18197	32338	89.2	95.0	92.5
<b>VISAKHAPATNAM</b>									
2016-17	3667	2761	6428	4498	3140	7638	81.5	87.9	84.2
2017-18	3976	2859	6835	4921	3066	7987	80.8	93.2	85.6
<b>PARADIP</b>									
2016-17	28	14	42	748	121	869	3.7	11.6	4.8
2017-18	92	21	113	1505	209	1714	6.1	10.0	6.6
<b>KOLKATA DOCK SYSTEM</b>									
2016-17	4496	5391	9887	4593	6852	11445	97.9	78.7	86.4
2017-18	4497	5263	9760	4663	6718	11381	96.4	78.3	85.8
<b>HALDIA DOCK COMPLEX</b>									
2016-17	1234	1233	2467	1785	1576	3361	69.1	78.2	73.4
2017-18	1167	1505	2672	1845	1824	3669	63.3	82.5	72.8
<b>KAMARAJAR</b>									
2016-17	1	0	1	2473	282	2755	0.0	0.0	0.0
2017-18	1	51	52	2618	94	2712	0.0	54.3	1.9
<b>TOTAL</b>									
2016-17	58165	66498	124663	71150	91857	163007	81.7	72.4	76.5
2017-18	62415	71310	133725	75999	96817	172816	82.1	73.7	77.4

\* Includes tare weight also  
Source: Major Ports

Table 2.1.11

## Inland Container Movement At Major Ports - 2016-17 &amp; 2017-18

Port	Year	Incoming To Port				Outgoing from Port				Total	
		By Rail		By Road		By Rail		By Road		TEUs	Tonnes
		TEUs	Tonnes	TEUs	Tonnes	TEUs	Tonnes	TEUs	Tonnes		
1	2	3	4	5	6	7	8	9	10	11	12
Kolkata Dock System	2016-17	2951	...	8423	...	33281	...	3801	...	48456	0
	2017-18	27098	...	303168	...	24405	...	285512	...	640183	0
Haldia Dock Complex	2016-17	7483	71886	78397	931321	5563	97451	55737	881935	147180	1982593
	2017-18	13990	178889	88823	1000507	11290	193639	71884	1335632	185987	2708667
Paradip	2016-17	...	...	1076	25407	...	...	837	12186	1913	37593
	2017-18	...	...	3325	84817	...	...	3512	13245	6837	98062
Visakhapatnam	2016-17	24952	698656	141590	2952124	14833	75995	150059	2680971	331434	6407746
	2017-18	22915	549592	172089	3426769	4959	103311	188661	2755710	388624	6835382
Chennai	2016-17	26151	...	485644	...	45188	...	707074	...	1264057	-
	2017-18	30899	...	178050	...	44731	...	698528	...	952208	-
V.O. Chidambaranar	2016-17	-	-	328501	-	-	-	316070	-	644571	0
	2017-18	-	-	-	-	-	-	-	-	-	0
New Mangalore	2016-17	-	-	47130	578525	-	-	47799	831980	94929	1410505
	2017-18	628	1446	56350	707966	528	14709	57992	1019327	115498	1743448
Cochin	2016-17	1574	13217	228553	1961015	1101	29674	226250	4262464	457478	6266370
	2017-18	-	-	-	-	-	-	-	-	-	0
Mormugao	2016-17	-	-	11393	106637	-	-	11704	143018	23097	249655
	2017-18	-	-	16360	260922	-	-	15644	171396	32004	432318
J.L.Nehru(a)	2016-17	293147	4128355	1908195	19465996	359132	5257929	1885878	24005699	4446352	52857979
	2017-18	328551	4736270	2026548	21448514	370976	5435808	2030021	25370651	4756096	56991243
Mumbai	2016-17	-	-	4897	59658	-	-	36441	425039	41338	484697
	2017-18	-	-	3317	0	-	-	19220	0	22537	425039
Deendayal	2016-17	-	-	2271	6945	-	-	2909	78043	5180	84988
	2017-18	-	-	0	0	-	-	0	0	0	0
Kamarajar	2016-17	-	-	-	-	-	-	-	-	-	0
	2017-18	-	-	444	8569	-	-	2178	43117	2622	51686
<b>Total</b>	2016-17	<b>356258</b>	<b>4912114</b>	<b>3246070</b>	<b>26087628</b>	<b>459098</b>	<b>5461049</b>	<b>3444559</b>	<b>33321335</b>	<b>7505985</b>	<b>69782126</b>
	2017-18	<b>424081</b>	<b>5466197</b>	<b>2848474</b>	<b>26938064</b>	<b>456889</b>	<b>5747467</b>	<b>3373152</b>	<b>30709078</b>	<b>7102596</b>	<b>69285845</b>

Source: Major Ports

Table 2.1.12

## Inland Container Depot Movement at Major Ports -

(TEUs)

PORT	2016-17				2017-18			
	ICD Movement			Total Container Traffic	ICD Movement			Total Container Traffic
	Moved in	Moved out	Total		Moved in	Moved out	Total	
1	2	3	4	5	6	7	8	9
Kolkata Dock System	11374	37082	48456	635848	0	0	0	640183
Haldia Dock Complex	5727	1572	7299	135828	9865	4514	14379	156028
Paradip	-	-	0	1913	-	-	0	6837
Visakhapatnam	0	0	0	367199	22915	4959	27874	388624
Chennai	43390	60642	104032	1494831	48074	76237	124311	1549457
V.O. Chidambaran	0	0	0	642689	0	0	0	697631
Cochin	2911	1101	4012	491087	0	0	0	555814
New Mangalore	0	0	0	94929	0	0	0	115498
Mormugao	0	0	0	29632	0	0	0	32004
J.L.Nehru	2201342	359132	2560474	4500149	328551	370976	699527	4833397
Mumbai	0	0	0	42862	0	0	0	42387
Deendayal	0	0	0	5182	0	0	0	117225
Kamarajar	0	0	0	0	0	0	0	2678
<b>All Ports</b>	<b>2264744</b>	<b>459529</b>	<b>2724273</b>	<b>8442149</b>	<b>409405</b>	<b>456686</b>	<b>866091</b>	<b>9137763</b>

(a) ICD movement figures shown are for JNPCT and NSICT only.

Source: Major Ports

**Table 2.1.13****Selected Physical Performance Indicators - By Type of Vessels - 2016-17 & 2017-**

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
<b>1. No. of vessels sailed</b>						
2016-17	2041	3565	7772	2629	5648	21655
2017-18	2111	3751	8103	2674	5452	22091
<b>2. Av. pre-berthing waiting time(days)</b>						
2016-17	2.01	1.74	1.62	1.13	0.30	1.27
2017-18	1.18	2.15	1.83	1.05	0.45	1.39
<b>3. Av. turn round time (days)</b>						
2016-17	4.25	5.06	3.49	4.12	1.79	3.48
2017-18	2.77	4.10	2.91	3.41	1.76	2.91
<b>4. Percentage of idle time at berth to time at working berth (days)</b>						
2016-17	20.3	30.0	10.5	37.7	16.1	26.3
2017-18	22.3	34.0	30.7	37.3	15.7	29.3
<b>5. Av. Output per ship berth day (tonnes)</b>						
2016-17	28669	16728	22412	4176	24099	19080
2017-18	30894	17977	24740	4946	23716	20581

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

Source: Major Ports

**Table 2.1.14****Selected Physical Performance Indicators - Major Port-wise -2016-17 & 2017-18**

Item	Kolkata Dock*	Haldia Dock Complex	Paradip	Visakhapatnam	Kamarajar^	Chennai	V.O. Chidambaram	Cochin	New Mangalore	Mormugao**	J.L. Nehru	Mumbai#	Deen dayal	All Ports
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<b>1. No. of vessels sailed</b>														
2016-17	1306	2087	1580	1944	801	1600	1662	1216	1417	760	2720	1994	2568	21655
2017-18	1322	2323	1838	1977	794	1600	1482	1144	1360	633	2828	2043	2747	22091
<b>2. Av. pre-berthing waiting time(days)</b>														
2016-17	0.57	2.49	2.47	1.22	0.96	0.38	1.80	0.48	0.62	1.67	0.77	0.46	2.02	1.27
2017-18	0.62	3.15	0.87	2.37	0.57	0.86	1.13	0.43	1.16	1.31	0.92	0.96	1.90	1.39
<b>3. Av. turn round time (days)</b>														
2016-17	4.43	5.47	4.99	3.75	2.68	2.51	4.00	1.99	2.35	3.43	1.96	2.48	4.51	3.48
2017-18	3.77	3.75	3.31	2.58	2.19	2.21	2.40	1.87	2.04	3.15	2.23	2.76	4.25	2.91
<b>4. Percentage of Idle time at berth to time at working berth (days)</b>														
2016-17	44.8	67.2	27.5	28.7	14.3	27.2	26.3	33.9	15.9	19.4	12.9	57.7	0.0	26.3
2017-18	43.8	65.8	19.2	30.0	14.4	24.7	32.4	34.3	17.3	3.6	12.7	62.4	21.2	29.1
<b>5. Av. Output per ship berth day (tonnes)</b>														
2016-17	6080	12537	30245	16823	26235	19220	13612	23539	17094	30414	23897	20915	18235	19080
2017-18	6962	13832	33440	17592	28456	19113	15557	28143	16378	24948	22526	22996	22903	20581

\*Excludes Lighterage Operation. \*\*Excludes Stream Vessels except for TRT & No. of Vessels. #Includes stream Vessels

^Performance relates to Coal Handling except for No. of vessels.

Source: Major Ports

**Table 2.1.15****Number of Vessels Sailed by Type of Vessels -2016-17 & 2017-18**

Port	Type of Vessel											
	Container		Break Bulk		Dry Bulk (Mech.)		Dry Bulk (Conv.)		Liquid Bulk		All Types	
	2016-17	2017-18	2016-17	2017-18	2016-17	2017-18	2016-17	2017-18	2016-17	2017-18	2016-17	2017-18
1	2	3	4	5	6	7	8	9	10	11	12	13
Kolkata Dock System	777	764	258	237	0	0	34	59	237	262	1306	1322
Haldia Dock Complex	286	257	74	88	168	188	580	688	979	1102	2087	2323
Paradip	11	22	54	81	550	634	599	636	366	465	1580	1838
Visakhapatnam	368	310	119	112	213	253	559	601	685	701	1944	1977
Kamarajar	4	6	156	164	375	370	0	1	266	253	801	794
Chennai	705	669	321	326	0	0	172	127	402	478	1600	1600
V.O. Chidambaranar	534	469	408	357	170	167	346	292	204	197	1662	1482
Cochin	696	640	31	34	80	72	20	22	389	376	1216	1144
New Mangalore	217	146	108	77	129	131	164	204	799	802	1417	1360
Mormugao	110	60	106	99	254	188	155	135	135	151	760	633
J.L.Nehru	1912	1964	141	201	43	45	0	0	624	618	2720	2828
Mumbai	1	0	527	564	0	0	374	366	1092	1113	1994	2043
Deendayal	27	145	326	334	59	63	562	620	1594	1585	2568	2747
<b>All Ports</b>	<b>5648</b>	<b>5452</b>	<b>2629</b>	<b>2674</b>	<b>2041</b>	<b>2111</b>	<b>3565</b>	<b>3751</b>	<b>7772</b>	<b>8103</b>	<b>21655</b>	<b>22091</b>

Source: Major Ports

Table 2.1.16

## Average Pre-berthing Detention By Type of Vessels - 2016-17 &amp; 2017-18

( In Days )

Port	Container		Break Bulk		Dry Bulk (Mech.)		Dry Bulk (conv.)		Liquid Bulk		All Types	
	2016-17	2017-18	2016-17	2017-18	2016-17	2017-18	2016-17	2017-18	2016-17	2017-18	2016-17	2017-18
1	2	3	4	5	6	7	8	9	10	11	12	13
Kolkata Dock System	0.53	0.71	0.31	0.26	-	-	0.21	0.11	1.01	0.80	0.57	0.62
Haldia Dock Complex	0.71	0.64	3.75	4.02	1.60	2.20	2.69	4.89	2.95	2.75	2.49	3.15
Paradip	0.33	0.33	1.81	1.41	2.36	0.48	2.78	1.74	2.27	0.16	2.47	0.87
Visakhapatnam	0.20	1.19	3.26	3.23	2.01	2.57	1.05	2.42	1.30	2.64	1.22	2.37
Kamarajar	-	-	0.62	0.19	0.57	0.37	-	0.50	1.74	1.11	0.96	0.57
Chennai	0.08	0.43	0.13	0.48	0.00	0.00	0.43	1.84	1.10	1.46	0.38	0.86
V.O.Chidambanar	0.23	0.31	1.74	1.13	4.69	1.05	3.40	2.75	0.89	0.79	1.80	1.13
Cochin	0.26	0.24	0.15	0.17	0.57	0.61	0.27	0.21	0.88	0.75	0.48	0.43
New Mangalore	0.09	0.05	0.14	0.20	0.43	0.68	0.48	0.95	0.90	1.58	0.62	1.16
Mormugao	0.24	0.23	2.05	1.67	3.33	2.54	0.56	0.54	0.71	0.65	1.67	1.31
J.L.Nehru	0.29	0.33	0.64	0.55	1.56	3.11	0.00	0.00	2.22	2.75	0.77	0.92
Mumbai	0.13	0.00	0.43	0.66	0.00	0.00	0.51	0.29	0.45	1.33	0.46	0.96
Deendayal	0.78	0.76	2.20	1.94	1.36	1.09	1.35	1.15	2.26	2.32	2.02	1.90
<b>All Ports</b>	<b>0.30</b>	<b>0.45</b>	<b>1.13</b>	<b>1.05</b>	<b>2.01</b>	<b>1.18</b>	<b>1.74</b>	<b>2.15</b>	<b>1.62</b>	<b>1.83</b>	<b>1.27</b>	<b>1.39</b>

Source: Major Ports

7Table 2.1.17

**Average Turn Round Time - By Type Of Vessels - 2016-17 & 2017-18**

(In Days)

Port	Container		Break Bulk		Dry Bulk (Mech.)		Dry Bulk (conv.)		Liquid Bulk		All Types	
	2016-17	2017-18	2016-17	2017-18	2016-17	2017-18	2016-17	2017-18	2016-17	2017-18	2016-17	2017-18
1	2	3	4	5	6	7	8	9	10	11	12	13
Kolkata Dock System	4.78	4.03	4.18	3.89	-	-	1.73	0.83	3.93	3.54	4.43	3.77
Haldia Dock Complex	2.31	1.73	11.03	7.34	4.99	3.30	6.63	5.35	5.36	3.01	5.47	3.75
Paradip	1.43	1.92	5.80	4.47	4.19	2.38	6.25	5.12	4.11	1.97	4.99	3.31
Visakhapatnam	1.19	1.10	7.54	4.20	5.19	2.79	4.96	3.97	3.04	1.72	3.75	2.58
Kamarajar	0.00	0.53	1.32	0.80	2.91	2.72	0.00	15.50	3.20	2.30	2.68	2.19
Chennai	1.34	1.35	2.41	2.62	0.00	0.00	5.23	4.97	3.48	2.40	2.51	2.21
V.O.Chidambanar	1.28	1.13	3.60	1.90	8.21	3.59	7.23	4.55	2.97	2.17	4.00	2.40
Cochin	1.12	1.07	1.91	2.03	4.05	3.67	4.92	3.77	2.99	2.77	1.99	1.87
New Mangalore	1.20	1.70	1.43	1.56	2.40	1.94	3.32	3.32	2.58	1.84	2.35	2.04
Mormugao	1.17	1.58	6.21	5.12	5.17	4.67	1.70	1.73	1.79	1.88	3.43	3.15
J.L.Nehru	1.28	1.50	1.54	1.44	5.70	7.46	0.00	0.00	3.89	4.40	1.96	2.23
Mumbai	12.79	0.00	3.96	3.66	0.00	0.00	1.84	1.48	1.97	2.73	2.48	2.76
Deendayal	2.37	1.88	6.42	6.05	5.33	5.57	4.70	4.05	4.05	4.11	4.51	4.25
<b>All Ports</b>	<b>1.79</b>	<b>1.76</b>	<b>4.12</b>	<b>3.41</b>	<b>4.25</b>	<b>2.77</b>	<b>5.06</b>	<b>4.10</b>	<b>3.49</b>	<b>2.91</b>	<b>3.48</b>	<b>2.91</b>

Source: Major Ports



Table 2.1.18

## Percentage Of Idle Time At Working Berth To Time At Working Berth - By Type Of Vessels - 2016-17 &amp; 2017-18

(In Days)

Port	Container		Break Bulk		Dry Bulk (Mech.)		Dry Bulk (conv.)		Liquid Bulk		All Types	
	2016-17	2017-18	2016-17	2017-18	2016-17	2017-18	2016-17	2017-18	2016-17	2017-18	2016-17	2017-18
1	2	3	4	5	6	7	8	9	10	11	12	13
Kolkata Dock System	23.4	23.7	88.5	89.4	-	-	48.0	67.1	77.9	80.9	44.8	43.8
Haldia Dock Complex	87.7	78.1	55.7	44.9	59.9	56.9	72.6	78.1	64.4	63.2	67.2	65.8
Paradip	47.0	22.1	34.5	17.5	22.5	21.2	40.7	25.4	-	-	27.5	19.2
Visakhapatnam	9.5	14.9	24.5	26.5	48.7	39.2	23.7	27.5	35.3	37.0	28.7	30.0
Kamarajar	-	0.0	27.0	0.9	9.2	21.9	-	-	24.5	-	14.3	14.4
Chennai	16.9	14.5	41.2	33.4	-	-	39.9	43.1	18.3	18.7	27.2	24.7
V.O.CHIDAMBANAR	0.0	0.0	43.9	36.0	15.5	14.9	39.2	40.7	22.5	21.7	26.3	32.4
Cochin	18.8	22.6	37.3	41.3	17.1	31.1	52.1	75.9	50.4	39.2	33.9	34.3
New Mangalore	15.3	7.5	37.0	29.8	11.6	14.0	11.2	18.5	16.3	17.9	15.9	17.3
Mormugao	23.7	0.5	17.0	4.2	13.5	1.5	13.1	3.4	66.3	9.0	19.4	3.6
J.L.Nehru	9.3	9.3	17.9	20.4	4.3	4.1	-	-	21.1	21.8	12.9	12.7
Mumbai	24.6	-	72.4	79.2	-	-	58.2	71.2	41.9	44.1	57.7	62.4
Deendayal	0.0	26.9	0.0	11.0	0.0	13.3	0.0	21.5	0.0	28.1	0.0	21.2
<b>All Ports</b>	<b>16.1</b>	<b>15.7</b>	<b>37.7</b>	<b>37.3</b>	<b>20.3</b>	<b>22.3</b>	<b>30.0</b>	<b>34.0</b>	<b>10.5</b>	<b>30.7</b>	<b>26.3</b>	<b>29.3</b>

Source: Major Ports

Table 2.1.19

## Average Output Per Ship Berthday - By Type Of Vessels - 2016-17 &amp; 2017-18

( Tonnes )

Port	Container		Break Bulk		Dry Bulk (Mech.)		Dry Bulk (conv.)		Liquid Bulk		All Types	
	2016-17	2017-18	2016-17	2017-18	2016-17	2017-18	2016-17	2017-18	2016-17	2017-18	2016-17	2017-18
1	2	3	4	5	6	7	8	9	10	11	12	13
Kolkata Dock System	8117	7494	906	4746	0	0	1849	36379	4910	5050	6080	6962
Haldia Dock Complex	14547	14954	3290	3040	17712	17045	16213	20045	10412	11376	12537	13832
Paradip	4988	4184	5061	8041	40500	46082	19604	19266	49487	64479	30245	33440
Visakhapatnam	22159	25746	2942	3344	34296	35553	12052	11712	22675	23643	16823	17592
Kamarajar (Ennore)	0	18627	36300	31603	29882	33637	0	4286	14105	15906	26235	28456
Chennai	39253	39869	4401	4186	0	0	9510	10002	17245	16483	19220	19113
V.O.Chidambaranar	24163	28302	24163	5172	19588	26376	12517	10869	4594	4935	13612	15557
Cochin	22100	23536	966	1529	4720	6228	7238	10934	38197	42463	23539	28143
New Mangalore	6275	7490	2097	1913	21889	22101	12848	12514	21196	19977	17094	16378
Mormugao	4202	4499	6016	6621	50569	42027	60403	50204	12974	7264	30414	24948
J.L.Nehru	35274	31432	258	363	505	4934	0	0	8490	9259	23897	22526
Mumbai	1483	0	4087	5144	0	0	56332	67172	27815	28233	20915	22996
Deendayal	5324	16183	3607	4154	19639	0	14771	19715	28495	37957	18235	22903
<b>All Ports</b>	<b>24099</b>	<b>23716</b>	<b>4176</b>	<b>4946</b>	<b>28669</b>	<b>30894</b>	<b>16728</b>	<b>17977</b>	<b>22412</b>	<b>24740</b>	<b>19080</b>	<b>20581</b>

Source: Major Ports

**Table 2.1.20**
**Commodity-wise Average Pre-Berthing Detention - 2016-17 & 2017-18**

(In Days)

Port Commodity	Year	Kolkata Dock System\$	Haldia Dock Comple	Paradip	Visakhak hapatna m	Kamaraj ar	Chennai	V.O.Chid a-mbanar	Cochin	New Manglore	Mormuga o	J L Nehru	Mumbai	Deendaya I	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
POL(Crude)	2017-18	-	1.87	0.25	3.31	-	0.11	-	0.70	0.95	-	1.80	8.63	1.70	
	2016-17	-	1.54	3.90	1.44	-	1.29	-	1.26	0.98	-	1.45	0.07	2.07	
POL(Product)	2017-18	0.62	3.30	0.13	2.03	0.74	0.09	0.49	0.80	1.02	0.51	3.51	0.00	1.64	
	2016-17	0.77	3.28	2.24	1.16	0.86	1.37	1.12	0.74	0.72	0.50	2.73	0.00	1.40	
LPG	2017-18	0.00	2.25	-	3.81	1.74	-	0.63	0.74	3.39	-	3.68	2.53	6.54	
	2016-17	0.00	1.41	-	3.62	2.99	-	0.50	0.79	1.21	-	2.43	0.10	4.60	
Iron Ore	2017-18	0.00	2.04	1.41	2.22	-	-	0.00	-	0.67	0.84	-	-	0.36	
	2016-17	0.00	2.46	3.36	2.33	-	-	0.00	-	0.55	2.69	-	-	0.34	
Coking Coal	2017-18	0.14	4.07	1.65	3.67	-	-	0.00	-	0.99	3.14	-	-	1.04	
	2016-17	2.20	2.24	3.21	0.42	-	-	0.00	-	0.39	4.16	-	-	1.58	
Thermal Coal	2017-18	1.59	1.11	0.30	2.23	0.37	-	1.43	0.00	0.77	2.79	-	-	0.38	
	2016-17	-	0.89	1.79	1.06	0.57	-	4.91	0.13	0.35	2.89	-	-	0.52	
Fertilisers *	2017-18	1.20	3.74	0.12	3.76	-	0.11	1.70	0.95	0.88	2.92	-	0.08	0.73	
	2016-17	1.41	2.59	1.07	0.82	-	0.20	2.88	0.08	0.29	2.38	-	0.01	0.72	
FRM (Dry)	2017-18	0.25	0.00	0.00	-	-	-	0.00	-	-	-	-	-	-	
	2016-17	0.49	0.00	0.00	-	-	-	0.00	-	-	-	-	-	-	
Other Dry Bulk	2017-18	0.62	5.57	0.26	2.06	0.50	0.14	2.68	0.48	0.84	1.62	3.11	0.08	1.66	
	2016-17	0.89	2.83	2.39	1.23	-	0.50	3.25	0.56	0.58	3.78	1.56	0.07	2.21	
Other Lqd. Bulk	2017-18	1.64	2.55	0.00	3.08	1.35	0.10	0.96	0.69	1.14	0.77	2.27	0.00	2.46	
	2016-17	1.21	3.19	0.00	0.71	2.67	0.91	0.90	0.68	0.80	0.99	2.00	0.00	2.50	
General Cargo	2017-18	0.47	4.24	1.42	3.24	0.19	0.05	1.97	0.17	0.21	1.79	0.55	6.88	1.94	
	2016-17	0.53	3.15	1.86	3.26	0.61	0.16	2.76	0.15	0.14	2.44	0.63	5.65	2.23	
Containers	2017-18	0.71	0.64	0.32	1.19	-	0.05	0.31	0.24	0.05	0.23	0.33	0.00	0.76	
	2016-17	0.53	0.71	0.36	0.20	-	0.10	0.23	0.26	0.09	0.24	0.29	3.38	0.78	
<b>Total</b>	<b>2017-18</b>	<b>0.62</b>	<b>3.15</b>	<b>0.87</b>	<b>2.37</b>	<b>0.57</b>	<b>0.86</b>	<b>1.13</b>	<b>0.43</b>	<b>1.16</b>	<b>1.31</b>	<b>0.92</b>	<b>0.96</b>	<b>1.90</b>	
	<b>2016-17</b>	<b>0.57</b>	<b>2.49</b>	<b>2.47</b>	<b>1.22</b>	<b>0.96</b>	<b>0.38</b>	<b>1.80</b>	<b>0.48</b>	<b>0.62</b>	<b>1.67</b>	<b>0.77</b>	<b>0.46</b>	<b>2.02</b>	

\* Fertilisers &amp; FRM Dry except KD

Source: Major Ports

**Table 2.1.21 Commodity-wise Average Turn Round Time 2016-17 & 2017-18**

(In Days)

Port --->	Year	Kolkata Dock System\$	Haldia Dock Complex	Paradip	Visakhakha patnam	Kamrajar	Chennai	V.O.Chidambaranar	Cochin	New Manglore	Mormugao	J.L.Nehru	Mumbai	Deendayal	
Commodity	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
POL (Crude)	2017-18	-	2.13	2.11	2.00	-	2.29	-	2.57	1.93	-	3.52	1.51	3.72	
	2016-17	-	2.11	5.66	3.64	-	3.44	-	3.06	2.86	-	3.00	2.25	4.06	
POL(Product)	2017-18	3.35	2.30	2.01	1.63	2.32	2.64	2.41	3.26	1.71	1.70	6.36	2.47	3.61	
	2016-17	3.70	2.30	4.23	2.94	2.49	3.79	3.31	3.35	2.26	1.67	4.39	3.29	3.29	
LPG	2017-18	-	1.83	-	2.40	3.14	-	1.58	2.01	2.51	-	5.14	2.09	8.46	
	2016-17	-	1.72	-	5.86	4.46	-	2.16	2.28	3.60	-	3.80	3.02	6.27	
Iron Ore	2017-18	-	3.22	4.82	2.68	0.00	-	0.00	0.00	2.78	8.76	-	-	3.16	
	2016-17	-	3.64	7.05	5.95	0.00	-	0.00	0.00	3.02	11.57	-	-	4.89	
Coking Coal	2017-18	9.08	4.47	5.19	2.88	-	-	0.00	0.00	2.67	3.89	-	-	4.03	
	2016-17	5.05	3.67	7.58	3.09	-	-	0.00	0.00	2.78	7.21	-	-	4.23	
Thermal Coal	2017-18	3.28	3.10	1.74	2.21	2.49	-	3.63	5.59	2.35	2.19	-	-	3.64	
	2016-17	-	2.82	3.31	3.17	2.91	-	8.59	4.77	2.69	5.28	-	-	4.62	
Fertilisers*	2017-18	17.00	8.41	2.64	7.35	-	3.21	5.42	10.34	3.70	6.76	-	18.10	3.69	
	2016-17	17.45	10.33	3.61	6.93	-	4.60	7.25	8.83	3.86	6.31	-	15.57	4.84	
FRM (Dry)	2017-18	3.73	-	-	-	-	-	0.00	-	-	-	-	-	-	
	2016-17	4.08	-	-	-	-	-	0.00	-	-	-	-	-	-	
Other Dry Bulk	2017-18	7.64	5.81	4.41	3.77	13.91	5.21	4.49	3.04	2.84	3.75	7.16	16.91	4.63	
	2016-17	7.80	4.48	5.51	5.19	-	5.29	6.91	3.76	2.92	6.88	5.40	17.89	5.51	
Other Lqd. Bulk	2017-18	3.68	3.72	-	1.53	2.46	2.22	2.21	1.67	1.41	1.38	3.35	1.45	4.08	
	2016-17	4.10	3.73	-	1.99	3.60	3.22	3.04	1.84	2.00	1.97	3.25	1.59	4.13	
General Cargo	2017-18	8.40	6.29	4.47	4.20	1.00	2.62	3.32	2.03	1.56	4.57	1.44	3.14	6.05	
	2016-17	6.81	5.73	5.72	7.55	1.29	2.41	5.68	1.91	1.44	7.42	8.05	3.98	6.34	
Containers	2017-18	4.11	1.73	1.91	1.10	0.66	1.35	1.13	1.07	1.70	1.44	1.48	0.00	1.88	
	2016-17	4.78	1.74	1.45	1.19	-	1.34	1.28	1.12	1.20	1.17	1.28	12.79	2.37	
<b>Total</b>	<b>2017-18</b>	<b>3.77</b>	<b>3.75</b>	<b>3.31</b>	<b>2.58</b>	<b>2.19</b>	<b>2.21</b>	<b>2.40</b>	<b>1.87</b>	<b>2.04</b>	<b>3.15</b>	<b>2.23</b>	<b>2.76</b>	<b>4.25</b>	
	<b>2016-17</b>	<b>4.43</b>	<b>5.47</b>	<b>4.99</b>	<b>3.75</b>	<b>2.68</b>	<b>2.51</b>	<b>4.00</b>	<b>1.99</b>	<b>2.35</b>	<b>3.43</b>	<b>1.96</b>	<b>2.48</b>	<b>4.51</b>	

\* Fertilisers &amp; FRM Dry except KDS

Source: Major Ports

Table 2.1.22

## Commodity-wise Average Non-Working Time at Berth - 2016-17 &amp; 2017-18

(In Days)

Port ---->	Year	Kolkata Dock System	Haldia Dock Complex	Paradip	Visakhakhapatnam	Kamarajar	Chennai	V.O.Chidambanar	Cochin	New Mangalore	Mormugao	J.L.Nehru	Mumbai	Deendayal
Commodity														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
POL(Crude)	2017-18	-	0.35	N/A	0.09	-	0.32	-	0.23	0.29	-	0.30	0.44	0.00
	2016-17	-	0.32	N/A	0.23	-	0.33	-	0.24	0.24	-	0.29	0.42	0.00
POL(Product)	2017-18	0.97	0.51	...	0.01	0.30	0.41	0.68	0.68	0.35	0.67	0.36	0.54	0.00
	2016-17	0.99	0.55	...	0.52	0.31	0.36	0.32	0.81	0.30	0.52	0.30	0.57	0.00
LPG	2017-18	-	0.51	-	0.01	0.32	-	0.30	0.36	0.26	-	0.23	0.39	0.00
	2016-17	-	0.47	-	0.39	0.25	-	0.33	0.34	0.25	-	0.24	0.37	0.00
Iron Ore	2017-18	0.00	0.95	N/A	0.03	...	-	0.00	-	0.43	1.25	-	-	0.00
	2016-17	0.00	1.11	N/A	1.11	...	-	0.00	-	0.23	1.78	-	-	0.00
Coking Coal	2017-18	2.59	0.76	N/A	0.00	-	-	0.00	-	0.41	0.56	-	-	0.00
	2016-17	0.72	0.87	N/A	0.36	-	-	0.00	-	0.27	0.36	-	-	0.00
Thermal Coal	2017-18	0.29	0.93	N/A	0.00	0.19	-	0.43	2.24	0.20	0.27	-	-	0.00
	2016-17	-	0.91	N/A	0.58	0.19	-	0.54	3.10	0.25	0.30	-	-	0.00
Fertilisers *	2017-18	3.38	2.31	N/A	0.10	-	0.77	1.18	1.45	0.64	0.41	-	7.03	0.00
	2016-17	2.98	2.79	N/A	1.28	-	1.31	1.21	0.96	0.48	0.42	-	4.95	0.00
FRM (Dry)	2017-18	1.56	-	-	-	-	-	-	-	-	-	-	-	-
	2016-17	1.41	-	-	-	-	-	-	-	-	-	-	-	-
Other Dry Bulk	2017-18	2.69	0.97	N/A	0.01	0.47	1.54	0.95	0.77	0.63	0.57	0.17	6.70	0.00
	2016-17	2.48	1.03	N/A	0.70	-	1.35	1.02	0.72	0.25	0.45	0.16	4.44	0.00
Other Lqd. Bulk	2017-18	0.72	0.77	-	0.01	0.19	0.33	0.35	0.32	0.29	0.27	0.27	0.36	0.00
	2016-17	0.70	0.82	-	0.31	0.18	0.37	0.40	0.27	0.24	0.27	0.27	0.33	0.00
General Cargo	2017-18	2.68	1.33	N/A	0.01	0.22	0.64	0.91	0.50	0.43	0.60	0.13	1.26	0.00
	2016-17	2.07	1.45	N/A	0.81	0.13	0.65	0.88	0.44	0.46	0.73	0.12	1.39	0.00
Containers	2017-18	0.40	0.54	N/A	0.00	0.13	0.00	0.00	0.12	0.12	0.14	0.06	0.00	0.00
	2016-17	0.36	0.51	N/A	0.13	-	0.18	0.00	0.08	0.16	0.17	1.79	2.45	0.00
<b>Total</b>	<b>2017-18</b>	<b>1.01</b>	<b>0.78</b>	<b>-</b>	<b>0.02</b>	<b>0.23</b>	<b>0.44</b>	<b>0.46</b>	<b>0.31</b>	<b>0.33</b>	<b>0.60</b>	<b>0.12</b>	<b>0.84</b>	<b>0.00</b>
	<b>2016-17</b>	<b>0.89</b>	<b>0.83</b>	<b>-</b>	<b>0.53</b>	<b>0.20</b>	<b>0.44</b>	<b>0.45</b>	<b>0.30</b>	<b>0.26</b>	<b>0.70</b>	<b>1.33</b>	<b>0.85</b>	<b>0.00</b>

Source: Major Ports

\* Fertiliser &amp; FRM(Dry) excluding KDS

Table 2.1.23

## Commodity-wise Output per Ship Berth Day - 2016-17 &amp; 2017-18

(In Tonnes)

Port Commodity	Year	Kolkata Dock System\$	Haldia Dock Complex	Paradip	Visakhapatnam	Kamarajar	Chennai	V.O.Chid ambanar	Cochin	New Mangalore	Mormugao	J.L.Nehru	Mumbai	Deendayal	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
POL(Crude)	2017-18	-	49837	133514	78916	-	55147	-	108745	71514	-	40913	74203	96831	
	2016-17	-	54339	138355	76527	-	54502	-	78587	73894	-	49620	76108	101994	
POL(Product)	2017-18	6231	19795	14671	8868	16596	8067	5296	15174	24231	13505	5824	8340	23186	
	2016-17	5812	17967	11018	13418	14359	7896	4531	15760	23889	13411	11562	10177	23040	
LPG	2017-18	-	16826	-	11317	19709	-	5445	71901	5985	-	8658	6652	9658	
	2016-17	-	15559	-	13849	18340	-	5653	66106	5614	-	9176	6934	99540	
Iron Ore	2017-18	-	32928	12023	27563	-	-	-	...	25255	13858	-	-	16462	
	2016-17	-	28186	13733	29028	-	-	-	...	25311	13290	-	-	12727	
Coking Coal	2017-18	3370	18274	15064	19959	-	-	-	-	17759	25767	-	-	14046	
	2016-17	5045	18084	17149	23782	-	-	-	-	16658	27967	-	-	16948	
Thermal Coal	2017-18	3274	21072	45653	17869	33638	-	20504	14618	35095	32968	-	-	17001	
	2016-17	-	24696	52862	24268	29882	-	17751	32353	37499	29424	-	-	17248	
Fertilisers *	2017-18	1219	4324	14122	5641	-	6612	13768	3617	9323	5163	-	2530	10797	
	2016-17	952	2725	13095	7032	-	5800	12769	3688	7677	5039	-	2612	9852	
FRM (Dry)	2017-18	2179	-	-	-	-	-	-	-	-	-	-	-	-	
	2016-17	2486	-	-	-	-	-	-	-	-	-	-	-	-	
Other Dry Bulk	2017-18	3044	19441	12324	9658	4285	10924	13685	8695	6737	10790	4933	4426	12075	
	2016-17	2332	15605	14403	12508	36300	9591	12736	5788	5916	15437	5320	4802	12118	
Other Liquid Bulk	2017-18	4445	6926	-	7633	3225	4759	4691	11961	8497	12042	8177	9229	8477	
	2016-17	4100	6338	-	10975	3171	4486	4320	4264	9180	12421	7385	8494	8110	
General Cargo	2017-18	1496	3716	6178	2642	31586	3927	2988	1532	2744	6740	363	5113	3533	
	2016-17	1066	4106	1701	2938	44339	4295	3077	968	3314	5048	318	4062	3694	
Containers	2017-18	7489	14954	2944	22406	32	39868	28301	23567	8109	5036	31444	0	12552	
	2016-17	8114	14547	3418	22189	-	39253	24163	22335	7424	4202	1470	1485	5322	
<b>Total</b>	<b>2017-18</b>	<b>4635</b>	<b>13832</b>	<b>24810</b>	<b>13531</b>	<b>28456</b>	<b>19151</b>	<b>10800</b>	<b>27990</b>	<b>19793</b>	<b>14570</b>	<b>21903</b>	<b>17424</b>	<b>17747</b>	
	<b>2016-17</b>	<b>6080</b>	<b>12537</b>	<b>30245</b>	<b>16823</b>	<b>26235</b>	<b>19220</b>	<b>13612</b>	<b>23539</b>	<b>17094</b>	<b>30414</b>	<b>23897</b>	<b>20915</b>	<b>18235</b>	

\* Fertiliser (FRM Dry included except KDS))

Source: Major Ports

**Table 2.1.24****Average Pre-berthing Detention on Port & Non Port Account -Major Port-wise -2016-17 & 2017-18**

(In Days)

Port	2016-17			2017-18		
	Total	Port A/c	Non-Port A/c	Total	Port A/c	Non-Port A/c
1	2	3	4	5	6	7
Kolkata Dock System	0.57	0.03	0.54	0.62	0.00	0.62
Haldia Dock Complex	2.49	0.87	1.62	3.15	1.33	1.82
Paradip	2.47	0.58	1.89	0.87	0.87	0.00
Visakhapatnam	1.22	0.02	1.20	2.37	2.37	0.00
Kamarajar	0.96	0.00	0.96	0.57	0.00	0.56
Chennai	0.38	0.00	0.38	0.04	0.00	0.04
V.O. Chidambaranar	1.80	0.33	1.47	1.13	0.35	0.78
Cochin	0.48	0.00	0.48	0.43	0.00	0.43
New Mangalore	0.62	0.14	0.49	1.16	0.28	0.87
Mormugao	1.67	0.30	1.37	1.31	0.31	1.00
J.L.Nehru	0.77	0.27	0.50	0.92	0.34	0.58
Mumbai	0.46	0.07	0.39	0.96	0.02	0.94
Deendayal	2.02	0.09	1.93	1.90	0.12	1.78
<b>All Ports</b>	<b>1.27</b>	<b>0.22</b>	<b>1.05</b>	<b>1.33</b>	<b>0.53</b>	<b>0.79</b>

Source: Major Ports

Table 2.1.25

## Reason-wise, Major Port-wise Average Pre-berthing Detention - 2017-18

Sl. No.	Category Of Ships	No. Of Ships	Reason-wise average pre-berthing delay (in hrs.)								Total
			Non-avail. of Berth	Non-avail. of Tug/Craft	Non-avail. Of Pilot	Navigation Restriction	Draft Restriction	Shippers/ Ships/ Agents Option	Lack of cargo	Others	
1	2	3	4	5	6	7	8	9	10	11	12
<b>Kolkata Dock System</b>											
1.	Container	764	-	-	-	-	-	9.66	-	7.45	17.10
2.	Break Bulk	237	-	-	0.34	-	-	0.66	-	5.36	6.36
3.	Dry Bulk(C)	59	-	-	-	-	-	-	-	1.83	1.83
4.	Liquid Bulk	262	-	-	0.09	-	-	4.65	-	14.34	19.08
	Total	1322	-	-	0.08	-	-	6.65	-	8.19	14.92
<b>Haldia Dock Complex</b>											
1.	Container	257	2.76	-	-	-	-	2.79	-	9.86	15.40
2.	Break Bulk	88	32.07	-	1.00	-	-	44.78	-	18.71	96.57
3.	Dry Bulk(M)	188	6.13	-	0.14	-	-	62.66	-	19.29	88.21
4.	Dry Bulk(C)	688	63.64	-	0.04	-	-	14.72	-	38.84	117.24
5.	Liquid Bulk	1102	22.99	-	0.00	-	-	31.69	-	11.23	65.90
	Total	2323	31.77	-	0.06	-	-	23.61	-	20.19	75.63
<b>Paradip</b>											
1.	Container	22	0.22	-	-	-	-	-	-	7.74	7.96
2.	Break Bulk	81	11.75	-	-	-	-	-	-	22.06	33.81
3.	Dry Bulk(M)	634	5.14	-	-	-	-	-	-	6.40	11.54
4.	Dry Bulk (C)	636	18.25	-	-	-	-	-	-	23.45	41.70
5.	Liquid Bulk	465	0.44	-	-	-	-	-	-	3.49	3.93
	Total	1838	8.72	-	-	-	-	-	-	12.27	20.99
<b>Visakhapatnam</b>											
1.	Container	310	-	-	-	-	-	-	-	1.19	1.19
2.	Break Bulk	112	0.16	-	-	-	-	-	-	3.07	3.23
3.	Dry Bulk(M)	253	0.09	-	-	-	-	-	-	2.48	2.57
4.	Dry Bulk(C)	601	0.19	-	-	0.01	-	-	-	2.22	2.42
5.	Liquid Bulk	701	0.42	-	-	0.02	-	-	-	2.20	2.64
	Total	1977	0.23	-	-	0.01	-	-	-	2.08	2.32

(M) Mechanised. (C) Conventional.



Table 2.1.25(Contd...)

## Reason-wise, Major Port-wise Average Pre-berthing Detention - 2017-18

Sl. No.	Category Of Ships	No. Of Ships	Reason-wise average pre-berthing delay (in hrs.)								Total
			Non-avail. of Berth	Non-avail. of Tug/Craft	Non-avail. Of Pilot	Navigation Restriction	Draft Restriction	Shippers/ Ships/ Agents Option	Lack Of Cargo	Others	
1	2	3	4	5	6	7	8	9	10	11	12
<b>Kamarajar*</b>											
1.	Container	6	-	-	-	-	-	-	-	-	-
2.	Break Bulk	164	-	-	0.00	-	-	4.49	-	-	4.50
3.	Dry Bulk(M)	370	-	-	0.01	-	-	8.86	-	-	8.88
4.	Dry Bulk(C)	1	-	-	-	-	-	12.00	-	-	-
5.	Liquid Bulk	253	-	-	0.01	-	-	26.72	-	-	26.73
6.	Other	-	-	-	-	-	-	-	-	-	-
	<b>Total</b>	<b>794</b>	<b>-</b>	<b>-</b>	<b>0.01</b>	<b>-</b>	<b>-</b>	<b>13.59</b>	<b>-</b>	<b>-</b>	<b>13.60</b>
<b>Chennai</b>											
1.	Container	669	-	-	-	0.72	-	0.26	-	0.16	1.15
2.	Break Bulk	326	-	-	-	0.81	-	0.48	-	-	1.30
3.	Dry Bulk(M)	0	-	-	-	-	-	-	-	-	-
4.	Dry Bulk(C)	127	-	-	-	1.37	-	1.80	-	0.04	3.21
5.	Liquid Bulk	478	-	-	-	0.93	-	1.13	-	0.33	2.39
	<b>Total</b>	<b>1600</b>	<b>0.00</b>	<b>-</b>	<b>-</b>	<b>0.85</b>	<b>-</b>	<b>0.69</b>	<b>-</b>	<b>0.17</b>	<b>1.71</b>
<b>V.O. Chidambaranar</b>											
1.	Container	469	0.53	-	-	-	-	3.34	-	3.52	7.39
2.	Break Bulk	357	4.71	-	-	-	-	16.64	-	5.69	27.04
3.	Dry Bulk(M)	167	16.13	-	-	-	-	2.70	-	6.31	25.14
4.	Dry Bulk(C)	292	23.09	-	0.01	-	-	22.59	-	20.30	65.98
5.	Liquid Bulk	197	5.44	-	-	-	-	11.86	-	1.78	19.08
	<b>Total</b>	<b>1482</b>	<b>8.39</b>	<b>-</b>	<b>0.00</b>	<b>-</b>	<b>-</b>	<b>11.40</b>	<b>-</b>	<b>7.43</b>	<b>27.22</b>
<b>Cochin</b>											
1.	Container	640	-	-	-	-	-	0.90	-	4.87	5.77
2.	Break Bulk	34	-	-	-	-	-	1.71	-	2.38	4.09
3.	Dry Bulk(M)	72	-	-	-	-	-	3.00	-	11.63	14.63
4.	Dry Bulk(C)	22	-	-	-	-	-	0.00	-	5.15	5.15
5.	Liquid Bulk	376	-	-	-	-	-	3.86	-	14.21	18.07
	<b>Total</b>	<b>1144</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2.01</b>	<b>-</b>	<b>8.30</b>	<b>10.31</b>

(M) Mechanised. (C) Conventional. \* - Data pertains to dry Bulk (mechanical) ships only

Table 2.1.25(Contd...)

## Reason-wise, Major Port-wise Average Pre-berthing Detention - 2017-18

Sl. No.	Category Of Ships	No. Of Ships	Reason-wise average pre-berthing delay (in hrs.)								Total
			Non-avail. of Berth	Non-avail. of Tug/Craft	Non-avail. Of Pilot	Navigation Restriction	Draft Restriction	Shippers/ Ships/ Agents Option	Lack Of Cargo	Others	
1	2	3	4	5	6	7	8	9	10	11	12
<b>New Mangalore</b>											
1.	Container	146	0.25	-	-	-	-	0.77	-	0.21	1.23
2.	Break Bulk	77	1.03	-	-	-	-	3.78	-	0.10	4.91
3.	Dry Bulk(M)	131	1.85	-	-	-	-	14.40	-	0.12	16.38
4.	Dry Bulk(C)	204	8.72	-	-	-	-	13.76	0.16	0.08	22.72
5.	Liquid Bulk	802	8.88	-	-	-	-	26.77	2.20	0.07	37.92
	<b>Total</b>	<b>1360</b>	<b>6.81</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>19.53</b>	<b>1.32</b>	<b>0.09</b>	<b>27.76</b>
<b>Mormugao</b>											
1.	Container	60	2.13	-	-	-	-	0.96	-	2.33	5.42
2.	Break Bulk	99	17.78	-	-	-	-	12.23	-	10.12	40.14
3.	Dry Bulk(M)	188	0.00	-	-	-	-	59.67	-	1.30	60.97
4.	Dry Bulk(C)	135	9.64	-	-	-	-	0.69	0.00	2.60	12.93
5.	Liquid Bulk	151	9.67	-	-	-	-	0.87	2.99	1.97	15.50
	<b>Total</b>	<b>633</b>	<b>7.35</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>20.08</b>	<b>0.71</b>	<b>3.22</b>	<b>31.35</b>
<b>J.L.Nehru</b>											
1.	Container	1964	2.40	0.00	0.02	0.03	0.06	0.01	-	5.42	7.94
2.	Break Bulk	201	1.76	-	0.00	0.00	0.00	0.00	-	12.28	14.04
3.	Dry Bulk(C)	45	20.89	-	0.00	0.05	0.06	0.00	-	52.48	73.49
4.	Liquid Bulk	618	26.01	0.00	0.04	0.01	0.00	0.06	-	39.15	65.27
	<b>Total</b>	<b>2828</b>	<b>7.81</b>	<b>0.00</b>	<b>0.02</b>	<b>0.03</b>	<b>0.04</b>	<b>0.02</b>	<b>-</b>	<b>14.21</b>	<b>22.13</b>
<b>Mumbai</b>											
1.	Container	0	-	-	-	-	-	-	-	-	0.00
2.	Break Bulk	564	0.10	-	-	-	-	-	-	16.18	16.28
3.	Dry Bulk(C)	366	-	-	-	-	-	-	-	27.63	27.63
4.	Liquid Bulk	1113	0.75	-	0.01	0.01	-	-	-	31.48	32.25
	<b>Total</b>	<b>2043</b>	<b>0.44</b>	<b>-</b>	<b>0.00</b>	<b>0.01</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>26.58</b>	<b>27.02</b>
<b>Deendayal</b>											
1.	Container	145	-	-	-	-	-	-	-	18.24	18.24
2.	Break Bulk	334	-	-	-	-	-	-	-	46.67	46.67
3.	Dry Bulk(M)	63	-	-	-	-	-	-	-	26.16	26.16
4.	Dry Bulk(C)	620	-	-	-	-	-	-	-	27.62	27.62
5.	Liquid Bulk	1585	-	-	-	-	-	-	-	55.79	55.79
	<b>Total</b>	<b>2747</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>45.66</b>	<b>45.66</b>

(M) Mechanised. (C) Conventional

Source: Major Ports

Table 2.1.26

## Average Berth Occupancy For Major-Ports-2004-05 to 2017-18

Port	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
DEENDAYAL	69.1	73.5	71.0	71.0	66.9	72.0	69.7	70.5	73.6	72.4	75.0	71.2	71.2	71.4
MUMBAI	60.6	61.1	64.4	65.4	65.5	50.6	63.9	57.2	50.8	42.1	46.8	46.5	37.6	36.8
J.L. NEHRU	60.1	66.7	64.3	66.4	67.7	66.2	73.5	71.4	58.3	57.8	65.7	67.0	66.7	70.4
MORMUGAO	82.2	78.7	81.0	73.8	70.2	79.2	79.2	79.2	46.7	30.0	33.5	54.1	64.3	55.0
NEW MANGALORE	49.7	52.3	47.0	56.0	54.0	52.0	46.5	48.6	49.1	45.1	36.7	38.5	40.4	44.2
COCHIN	71.9	65.7	67.3	66.0	63.5	63.7	70.3	74.9	71.9	58.1	52.0	53.6	45.0	38.8
V.O. CHIDAMBARANAR	53.7	59.3	67.6	72.9	70.2	66.9	70.5	84.5	83.0	74.0	69.1	70.1	73.3	61.2
CHENNAI	58.0	57.7	63.3	74.0	67.3	63.8	63.6	62.5	57.4	49.5	52.0	48.3	50.6	53.8
KAMARAJAR	31.2	34.2	34.4	35.5	47.0	41.2	42.5	33.1	40.0	67.0	73.3	75.9	69.6	54.8
VISAKHAPATNAM	61.8	58.2	59.5	73.6	65.9	76.3	73.2	73.6	68.7	61.9	66.2	52.0	54.4	53.8
PARADIP	59.9	59.7	65.0	76.6	70.9	77.6	73.6	63.6	66.4	80.0	79.3	66.8	66.5	71.5
HALDIA DOCK COMPLEX	75.3	85.6	85.9	81.1	83.6	81.2	78.6	70.6	68.0	68.5	65.5	72.9	68.9	73.4
KOLKATA DOCK SYSTEM	42.3	41.8	45.5	59.2	57.3	70.8	68.3	64.2	64.8	62.0	60.7	59.7	61.2	71.7

Source:-Major Ports

**Table  
2.1.27**

**Performance of Cargo Handling Equipments of Major Ports -**

**2015-16, 2016-17 & 2017-18**

( In Percent

Sl. No.	Name Of The Port	Equipment	2015-16		2016-17		2017-18	
			% Avail-ability	% Utili-sation	% Avail-ability	% Utili-sation	% Avail-ability	% Utili-sation
1	2	3	4	5	6	7	8	9
1.	<b>Deendayal</b>	Wharf Crane	90	38	76	38	66	27
		Mobile Crane	64	34	64	35	94	49
		Forklift Truck	82	39	88	46	92	51
2.	<b>Mumbai</b>	Wharf Crane	93	14	73	11	73	8
		Mobile Crane	86	8	56	44	62	26
		Forklift Truck	71	11	61	39	60	17
3.	<b>Mormugao</b>	Wharf Crane	-	-	-	-	91	49
		Mobile Crane	90	57	89	62	89	12
		Forklift Truck	-	-	-	-	-	-
4.	<b>N.Mangalore</b>	Wharf Crane	-	-	-	-	-	-
		Mobile Crane	97	18	96	21	95	36
		Forklift Truck	77	10	91	6	75	13
5.	<b>Cochin</b>	Wharf Crane	-	-	-	-	-	-
		Mobile Crane	93	4	93	6	93	8
		Forklift Truck	90	33	91	28	95	27
6.	<b>V.O. Chidambaranar</b>	Wharf Crane	99	16	99	19	96	12
		Mobile Crane	-	-	-	-	96	39
		Forklift Truck	-	-	-	-	-	-
7.	<b>Chennai</b>	Wharf Crane	98	2	98	4	95	2
		Mobile Crane	99	36	-	-	-	-
		Forklift Truck	98	54	-	-	-	-
8.	<b>Visakhapatnam</b>	Wharf Crane	98	22	99	17	99	21
		Mobile Crane	-	-	-	-	-	-
		Forklift Truck	100	92	100	94	96	57
9.	<b>Paradip</b>	Wharf Crane	-	-	-	-	-	-
		Mobile Crane	77	61	97	88	100	96
		Forklift Truck	-	-	-	-	-	-
10.	<b>Kolkata Dock System</b>	Wharf Crane	76	2	80	2	100	1
		Mobile Crane	94	38	91	18	96	17
		Forklift Truck	98	44	98	25	99	28
11	<b>Haldia Dock Complex</b>	Wharf Crane	-	-	-	-	-	-
		Mobile Crane	-	-	-	-	-	-
		Forklift Truck	-	-	-	-	-	-

(-) Indicates that either full data or the equipment itself is not available for/at the port.

Table 2.1.28

## Availability And Utilisation Of Container Handling Equipments - Major Ports - 2016-17 &amp; 2017-18

PORT	Year	Quay Side Gantry Crane				R.T. Gantry Crane				
		No.	% availa- bility	% Utilisation of		No.	% Availa- bility	% Utilisation of		
				Available Hrs.	Possible Hrs.			Available Hrs.	Possible Hrs.	
1	2	3	4	5	6	7	8	9	10	
Kolkata Dock System	2016-17	-	-	-	-	-	2	-	-	-
	2017-18	-	-	-	-	-	-	-	-	-
Haldia Dock Complex	2016-17	-	-	-	-	4	92.1	26.3	24.3	
	2017-18	-	-	-	-	4	91.6	26.4	24.2	
Paradip	2016-17	-	-	-	-	-	-	-	-	
	2017-18	-	-	-	-	-	-	-	-	
Visakhapatnam	2016-17	4	-	-	-	6	-	-	-	
	2017-18	4	89	55	49	6	95	70	66	
Chennai	2016-17	7	95.0	40.0	38.0	22	97.0	48.0	47.0	
	2017-18	7	93.0	41.0	39.0	22	97.0	52.0	50.0	
V.O. Chidamabaranar	2016-17	3	86.0	76.0	65.0	8	88.0	87.0	76.0	
	2017-18	-	-	-	-	-	-	-	-	
Cochin	2016-17	4	94.0	42.3	39.8	15	96.0	50.4	48.4	
	2017-18	4	94.1	44.8	44.8	15	97.3	53.1	51.7	
New Mangalore	2016-17	-	-	-	-	-	-	-	-	
	2017-18	-	-	-	-	-	-	-	-	
Mormugao	2016-17	-	-	-	-	-	-	-	-	
	2017-18	-	-	-	-	-	-	-	-	
J.L.Nehru(a)	2016-17	12	93.5	55.1	51.5	18	97.9	45.7	44.8	
	2017-18	12	96.3	47.9	46.1	18	98.8	41.0	40.5	
Mumbai	2016-17	-	-	-	-	-	-	-	-	
	2017-18	-	-	-	-	-	-	-	-	
Deendayal	2016-17	2	99.7	7	6.86	2	99.89	-	-	
	2017-18	2	99.7	7	6.86	2	99.89	-	-	

Note : Possible hours: are the maximum hours for which the equipment is available.(No. of equipments x no of days x 24)

Available hours=Possible Hours - (hours lost due to maintenance + hours lost due to breakdown + hours lost due to recess)

% Availability = (Total Available Hours/Total Possible Hours) x 100

%Utilisation = (No. of Hours equipment utilised/No. of available hours/possible hours)x100

(a) Relates to JNPCTonly.

**Table 2.1.28  
(Contd.)**

**Availability And Utilisation Of Container Handling Equipments - Major Ports - 2016-17 & 2017-18**

PORT	Year	Tractor				Top Lift Trucks			
		No.	% availa- bility	% Utilisation of		No.	% Availa- bility	% Utilisation of	
				Available Hrs.	Possible Hrs.			Available Hrs.	Possible Hrs.
1	2	3	4	5	6	7	8	9	10
Kolkata Dock System	2016-17	-	-	-	-	-	-	-	-
	2017-18	1	-	-	-	1	-	-	-
Haldia Dock Complex	2016-17	-	-	-	-	-	-	-	-
	2017-18	-	-	-	-	-	-	-	-
Paradip	2016-17	-	-	-	-	-	-	-	-
	2017-18	-	-	-	-	-	-	-	-
Visakhapatnam	2016-17	-	-	-	-	-	-	-	-
	2017-18	-	-	-	-	-	-	-	-
Chennai	2016-17	1	-	-	-	1	-	-	-
	2017-18	1	-	-	-	1	-	-	-
V.O. Chidambaranar	2016-17	12	92.0	46.3	42.6	-	-	-	-
	2017-18	-	-	-	-	-	-	-	-
Cochin	2016-17	-	-	-	-	-	-	-	-
	2017-18	-	-	-	-	-	-	-	-
New Mangalore	2016-17	-	-	-	-	-	-	-	-
	2017-18	-	-	-	-	-	-	-	-
Mormugao	2016-17	-	-	-	-	-	-	-	-
	2017-18	-	-	-	-	-	-	-	-
J.L.Nehru(a)	2016-17	-	-	-	-	-	-	-	-
	2017-18	-	-	-	-	-	-	-	-
Mumbai	2016-17	-	-	-	-	-	-	-	-
	2017-18	-	-	-	-	-	-	-	-
Deendayal	2016-17	-	-	-	-	-	-	-	-
	2017-18	-	-	-	-	-	-	-	-

(a) :Relates to JNPT only.

**Table 2.1.28  
(Contd.)**

**Availability And Utilisation Of Container Handling Equipments - Major Ports - 2016-17 & 2017-18**

PORT	Year	Rail Mounted G.Crane				Tata P&H Crane/Mobile Crane			
		No.	% availa- bility	% Utilisation of		No.	% Availa- bility	% Utilisation of	
				Available Hrs.	Possible Hrs.			Available Hrs.	Possible Hrs.
1	2	3	4	5	6	7	8	9	10
Kolkata Dock System	2016-17	-	-	-	-	-	-	-	-
	2017-18	-	-	-	-	-	-	-	-
Haldia Dock Complex	2016-17	2	92.0	40.3	37.1	-	-	-	-
	2017-18	2	90.6	48.8	44.3	-	-	-	-
Paradip	2016-17	-	-	-	-	-	-	-	-
	2017-18	-	-	-	-	-	-	-	-
Visakhapatnam	2016-17	-	-	-	-	-	-	-	-
	2017-18	-	-	-	-	1	99	7	7
Chennai	2016-17	-	-	-	-	-	-	-	-
	2017-18	-	-	-	-	-	-	-	-
V.O. Chidambaranar	2016-17	-	-	-	-	-	-	-	-
	2017-18	-	-	-	-	-	-	-	-
Cochin	2016-17	-	-	-	-	-	-	-	-
	2017-18	-	-	-	-	-	-	-	-
New Mangalore	2016-17	-	-	-	-	-	-	-	-
	2017-18	-	-	-	-	-	-	-	-
Mormugao	2016-17	-	-	-	-	-	-	-	-
	2017-18	-	-	-	-	-	-	-	-
J.L.Nehru(a)	2016-17	5	92.2	55.0	50.8	-	-	-	-
	2017-18	5	94	51.5	48.4	-	-	-	-
Mumbai	2016-17	-	-	-	-	-	-	-	-
	2017-18	-	-	-	-	-	-	-	-
Deendayal	2016-17	-	-	-	-	-	-	-	-
	2017-18	-	-	-	-	-	-	-	-

(a) :Relates to JNPCT.

**Table 2.1.28  
(Contd.)**

**Availability And Utilisation Of Container Handling Equipments - Major Ports - 2016-17 & 2017-18**

PORT	Year	FLT/FEL				Reach Truck/Steaker			
		No.	% availa- bility	% Utilisation of		No.	% Availa- bility	% Utilisation of	
				Available Hrs.	Possible Hrs.			Available Hrs.	Possible Hrs.
1	2	3	4	5	6	7	8	9	10
<b>Kolkata Dock System</b>	2016-17	-	-	-	-	-	-	-	-
	2017-18	4	-	-	-	1	-	-	-
<b>Haldia Dock Complex</b>	2016-17	-	-	-	-	-	-	-	-
	2017-18	-	-	-	-	-	-	-	-
<b>Paradip</b>	2016-17	-	-	-	-	-	-	-	-
	2017-18	-	-	-	-	-	-	-	-
<b>Visakhapatnam</b>	2016-17	-	-	-	-	6	-	-	-
	2017-18	3	80	7	5	6	-	-	-
<b>Chennai</b>	2016-17	4	-	-	-	1	-	-	-
	2017-18	4	-	-	-	1	-	-	-
<b>V.O. Chidambaranar</b>	2016-17	-	-	-	-	2	89	40.8	36.3
	2017-18	-	-	-	-	-	-	-	-
<b>Cochin</b>	2016-17	2	97.5	0.5	51.3	3	98.3	14.0	13.8
	2017-18	2	98.3	0.5	48.5	3	98.3	20.4	20.0
<b>New Mangalore</b>	2016-17	-	-	-	-	-	-	-	-
	2017-18	1	75.0	16.8	12.6	5.0	89.0	71.4	63.6
<b>Mormugao</b>	2016-17	-	-	-	-	-	-	-	-
	2017-18	-	-	-	-	-	-	-	-
<b>J.L.Nehru(a)</b>	2016-17	-	-	-	-	-	-	-	-
	2017-18	-	-	-	-	-	-	-	-
<b>Mumbai</b>	2016-17	-	-	-	-	-	-	-	-
	2017-18	-	-	-	-	-	-	-	-
<b>Deendayal</b>	2016-17	-	-	-	-	-	-	-	-
	2017-18	-	-	-	-	-	-	-	-

(a) Relates to JNPCT.  
Source: Major Ports



Table 2.1.29

## Container Handling Rate - Major Ports -2016-17 &amp; 2017-18

Port	Year	Quay Side Gantry Crane			Rail Mounted Gantry Crane			RTG		
		%age of Idle Time	No of container handled per		%age of Idle Time	No of container handled per		%age of Idle Time	No of container handled per	
			Worked Hr.	Actual Worked Hr.		Worked Hr.	Actual Worked Hr.		Worked Hr.	Actual Worked Hr.
1	2	3	4	5	6	7	8	9	10	11
Kolkata Dock System	2016-17	-	-	-	-	-	-	-	-	-
	2017-18	-	-	-	-	-	-	-	-	-
Haldia Dock Complex	2016-17	-	-	-	59.7	8.4	20.9	73.7	5.5	20.7
	2017-18	-	-	-	43.6	11.4	20.2	69.5	5.9	19.2
Paradip	2016-17	-	-	-	-	-	-	-	-	-
	2017-18	-	-	-	-	-	-	-	-	-
Vishakhapatnam	2016-17	-	-	-	-	-	-	-	-	-
	2017-18	21.4	18.7	23.8	-	-	-	36.5	12.5	19.6
Chennai( CITL)	2016-17	0.0	23.7	23.7	-	-	-	0.0	14.7	14.7
	2017-18	17.1	15.4	18.6	-	-	-	6.7	9.2	9.9
V.O. Chidambaranar	2016-17	1.1	20.5	20.7	...	...	...	0.7	12.6	12.7
	2017-18	-	-	-	-	-	-	-	-	-
Cochin	2016-17	32.5	27.8	41.2	-	-	-	6.1	10.7	11.4
	2017-18	45.5	22.4	41.1	-	-	-	42.4	11.2	19.4
New Mangalore	2015-16	-	-	-	-	-	-	-	-	-
	2017-18	-	-	-	-	-	-	-	-	-
Mormugao	2016-17	-	-	-	-	-	-	-	-	-
	2017-18	-	-	-	-	-	-	-	-	-
J.L.Nehru(a)	2016-17	44.9	11.3	20.4	45.0	3.6	6.5	54.3	5.3	11.6
	2017-18	48.8	10.2	20.0	44.1	3.3	6.0	59.0	4.9	11.8
Mumbai	2016-17	-	-	-	-	-	-	-	-	-
	2017-18	-	-	-	-	-	-	-	-	-
Deendayal	2016-17	58.7	19.5	25.0	-	-	-	-	-	-
	2017-18	-	-	-	-	-	-	-	-	-

Note: Number of Container per worked hour = Total Containers Handled/Total no. of equipment hours worked

Number of container per actual worked hour = Total container Handled/Total No. of equipment hours actually worked (Total No. of equipment hrs. worked-idle time)

(a): Relates to JNPCT.

Source: Major Ports

Table 2.1.30

## Major Ports-Capacity and Utilisation - 2017-18

(In Million Tonnes/Percentage)

Port	Capacity/Utilisation	POL (Crude & Products)	Iron Ore	Thermal Coal	Fertiliser & FRM	Other Cargo	Container	Total
1	2	3	4	5	6	7	8	9
KDS	Cap.	0.00	0.00	0.00	0.00	0.00	0.00	31.57
	% Util.	-	-	-	-	-	-	55.08
HDC	Cap.	0.00	0.00	0.00	0.00	0.00	0.00	51.00
	% Util.	-	-	-	-	-	-	79.41
PPT	Cap.	0.00	0.00	0.00	0.00	0.00	0.00	239.00
	% Util.	-	-	-	-	-	-	42.69
VPT	Cap.	0.00	0.00	0.00	0.00	0.00	0.00	131.09
	% Util.	-	-	-	-	-	-	48.47
KPL(a)	Cap.	0.00	0.00	0.00	0.00	0.00	0.00	84.00
	% Util.	-	-	-	-	-	-	36.25
ChPT	Cap.	0.00	0.00	0.00	0.00	0.00	0.00	134.00
	% Util.	-	-	-	-	-	-	38.72
VOC	Cap.	0.00	0.00	0.00	0.00	0.00	0.00	94.83
	% Util.	-	-	-	-	-	-	38.58
CoPT	Cap.	0.00	0.00	0.00	0.00	0.00	0.00	74.50
	% Util.	-	-	-	-	-	-	39.12
NMPT	Cap.	0.00	0.00	0.00	0.00	0.00	0.00	98.00
	% Util.	-	-	-	-	-	-	42.92
MoPT	Cap.	0.00	0.00	0.00	0.00	0.00	0.00	63.00
	% Util.	-	-	-	-	-	-	42.69
JNPT	Cap.	0.00	0.00	0.00	0.00	0.00	0.00	118.00
	% Util.	-	-	-	-	-	-	55.94
MbPT	Cap.	0.00	0.00	0.00	0.00	0.00	0.00	79.00
	% Util.	-	-	-	-	-	-	79.62
DPT	Cap.	0.00	0.00	0.00	0.00	0.00	0.00	253.20
	% Util.	-	-	-	-	-	-	43.48
ALL PORTS	Cap.	0.00	0.00	0.00	0.00	0.00	0.00	1451.19
	% Util.	-	-	-	-	-	-	46.82

Source : M/o Shipping &amp; Major Ports.

**Table 2.1.31****Employment At Major Ports (As on 31st March, 2018)**

(In Numbers)

Port	Number of Officers		Number of non-cargo handling workers			Number of cargo handling workers other than Shore workers		Number of cargo handling shore workers	Number of casual workers	Total
	Class I	Class II	Class III	Class IV	Others	Class III	Class IV			
1	2	3	4	5	6	7	8	9	10	11
DPT	81	59	1037	688	0	155	361	205	0	<b>2586</b>
MbPT	302	23	3477	1992	0	488	1262	1085	0	<b>8629</b>
JNPT	179	49	442	92	0	805	0	0	0	<b>1567</b>
MoPT(a)	99	76	888	286	0	270	111	0	0	<b>1730</b>
NMPT (b)	74	83	367	61	0	112	80	31	0	<b>808</b>
CoPT	106	101	218	175	847	172	104	0	0	<b>1723</b>
VOC	74	44	301	97	0	209	153	0	0	<b>878</b>
ChPT	141	102	2079	952	11	454	346	251	0	<b>4336</b>
KPL	47	18	23	17	0	0	0	0	0	<b>105</b>
VPT	136	98	448	627	197	1055	217	0	0	<b>2778</b>
PPT	106	56	420	156	0	17	226	0	26	<b>1007</b>
KDS	430	100	1453	541	0	269	15	208	0	<b>3016</b>
HDC	185	80	100	134	170	643	439	0	0	<b>1751</b>
<b>Total</b>	<b>1960</b>	<b>889</b>	<b>11253</b>	<b>5818</b>	<b>1225</b>	<b>4649</b>	<b>3314</b>	<b>1780</b>	<b>26</b>	<b>30914</b>

(a) Includes CHL, erstwhile MDLB

The cargo handling workers of Port are under "New Mangalore Port cargo handling workers (Regulation of Employment) Scheme, 1996".  
Source: Major Port

**Table 2.1.32****Employment At Dock Labour Boards of Major Ports (As on 31st March, 2016)**

(In Numbers)

Port	Number of DLB Employees					Number of Dock Workers				Grand Total
	Class I	Class II	Class III	Class IV	Total	Registered	Listed	Others	Total	
1	2	3	4	5	6	7	8	9	10	11
DPT	-	-	-	-	-	-	-	-	0	0
VPT	3	2	55	31	91	647	-	-	647	738
KDS	4	10	14	0	28	57	0	0	57	85
MbPT	BDLB merged with Mumbai Port Trust									
<b>All DLBs</b>	<b>7</b>	<b>12</b>	<b>69</b>	<b>31</b>	<b>119</b>	<b>704</b>	<b>0</b>	<b>0</b>	<b>704</b>	<b>823</b>

**Table 2.1.33****Mandays Employed and Mandays Lost at Major Ports : 2015-2018 (31st March**

Port	2015		2016		2017		2018	
	Mandays		Mandays		Mandays		Mandays	
	Employed(a)	Lost(b)	Employed(a)	Lost(b)	Employed(a)	Lost(b)	Employed(a)	Lost(b)
1	2	3	4	5	6	7	8	9
DPT	1136	0.0	1052	0.0	1002	0.0	944	0.0
MbPT	4386	0.0	3639	1.9	3447	0.5	3150	0.0
MoPT	801	0.2	755	0.2	584	0.0	631	0.0
NMPT	458	2.7	411	2.7	346	0.0	295	0.0
CoPT	842	0.0	754	1.9	691	2.6	629	0.0
VOC	546	0.0	499	0.0	365	0.0	320	0.0
KPL	37	0.0	37	0.0	38	0.0	38	0.0
ChPT	2093	0.0	2008	0.0	1678	0.0	1583	0.0
VPT	1678	0.0	1518	0.0	1342	0.3	1283	0.0
PPT	646	0.0	531	0.0	446	1.2	368	0.0
KDS	1515	0.0	1384	0.0	1250	0.0	1132	0.0
HDC	896	0.0	800	0.3	734	0.1	639	0.0
JNPT	609	0.0	598	0.0	589	0.0	572	0.0
<b>TOTAL</b>	<b>15643</b>	<b>0.1</b>	<b>13986</b>	<b>0.1</b>	<b>12861</b>	<b>0.4</b>	<b>11581</b>	<b>0.0</b>

Note: (a) Mandays calculation includes Port Employees as well as Dock Employees.

(b): Mandays lost per 1000 Mandays employed

Source: Major Port

**Table 2.1.34****Capital Employed at Major Ports - during 2017-18****(Rs. Crore)**

<b>S.No.</b>	<b>Port</b>	<b>Capital Employed</b>
<b>1</b>	<b>2</b>	<b>3</b>
1	DEENDAYAL	3090.76
2	MUMBAI	1044.30
3	J. L. NEHRU	3797.39
4	MORMUGAO	455.10
5	NEW MANGALORE	1071.03
6	COCHIN	-130.02
7	V.O.CHIDAMABARNAR	1151.58
8	CHENNAI	1195.85
9	KAMARAJAR	2995.67
10	VISAKHAPATNAM	1301.43
11	PARADIP	2624.55
12	HALDIA DOCK COMPLEX	1844.00
13	KOLKATA DOCK SYSTEM	1460.84

Source: Major Ports

Table 2.1.35

## Operating Expenditure Under Various Heads - Major Ports - 2016-17 &amp; 2017-18

(Rs. Crore)

Port	Salaries & Wages		Stores		Office & Administrative Security & Medical		Depreciation		Operation & Maintenance		Other Exp		Total	
	2016-17	2017-18	2016-17	2017-18	2016-17	2017-18	2016-17	2017-18	2016-17	2017-18	2016-17	2017-18	2016-17	2017-18
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Kolkata	484.65 (31.6)	491.05 (32.0)	8.52 (.56)	7.79 (.51)	160.33 (10.46)	162.27 (10.59)	41.69 (2.72)	43.47 (2.84)	668.25 (43.61)	792.30 (51.71)	33.30 (2.17)	35.44 (2.31)	1396.74 (100.)	1532.32 (100.)
HDC	218.56 (22.65)	225.72 (23.39)	7.03 (.73)	7.04 (.73)	68.52 (7.1)	69.93 (7.25)	24.42 (2.53)	27.33 (2.83)	498.60 (51.66)	613.01 (63.52)	20.09 (2.08)	22.08 (2.29)	837.22 (100.)	965.11 (100.)
Paradip	130.14 (20.05)	130.76 (20.14)	34.33 (5.29)	37.84 (5.83)	54.08 (8.33)	56.61 (8.72)	60.23 (9.28)	61.68 (9.5)	255.91 (39.42)	262.85 (40.49)	75.51 (11.63)	99.48 (15.32)	610.20 (100.)	649.22 (100.)
Visakhapatnam	282.74 (50.9)	298.02 (53.65)	46.46 (8.36)	46.31 (8.34)	58.15 (10.47)	53.83 (9.69)	38.59 (6.95)	45.29 (8.15)	81.28 (14.63)	82.49 (14.85)	24.43 (4.4)	29.57 (5.32)	531.65 (100.)	555.51 (100.)
Chennai	369.85 (69.2)	364.04 (68.11)	18.99 (3.55)	18.84 (3.53)	61.26 (11.46)	52.77 (9.87)	28.57 (5.35)	27.64 (5.17)	52.81 (9.88)	45.11 (8.44)	26.74 (5.)	26.05 (4.87)	558.22 (100.)	534.45 (100.)
V.O.Chidambaranar	107.84 (45.04)	100.39 (41.93)	13.46 (5.62)	13.07 (5.46)	31.06 (12.97)	33.46 (13.98)	25.67 (10.72)	27.83 (11.62)	25.84 (10.79)	24.54 (10.25)	44.04 (18.4)	40.12 (16.76)	247.91 (100.)	239.41 (100.)
Cochin	142.66 (38.85)	152.65 (41.57)	15.99 (4.35)	14.09 (3.84)	30.47 (8.3)	24.97 (6.8)	20.65 (5.62)	20.50 (5.58)	134.35 (36.59)	131.07 (35.69)	24.39 (6.64)	23.93 (6.52)	368.51 (100.)	367.21 (100.)
New Mangalore	115.57 (39.69)	106.26 (36.49)	15.19 (5.22)	16.88 (5.8)	39.68 (13.63)	40.84 (14.02)	31.55 (10.83)	38.84 (13.34)	72.81 (25.)	80.32 (27.58)	8.05 (2.76)	8.06 (2.77)	282.85 (100.)	291.20 (100.)
Mormugao	138.49 (50.57)	149.51 (54.6)	13.94 (5.09)	12.78 (4.67)	27.45 (10.02)	27.15 (9.91)	38.25 (14.0)	19.82 (7.2)	45.21 (16.51)	60.46 (22.08)	4.64 (1.69)	4.12 (1.5)	267.98 (100.)	273.84 (100.)
Mumbai	799.10 (65.18)	879.24 (71.72)	24.06 (1.96)	25.35 (2.07)	78.19 (6.38)	101.27 (8.26)	54.50 (4.45)	55.02 (4.49)	155.82 (12.71)	165.04 (13.46)	0.00 (.)	0.00 (.)	1111.67 (100.)	1225.92 (100.)
J. L. Nehru	245.97 (32.74)	258.68 (34.43)	9.00 (1.2)	9.78 (1.3)	108.69 (14.47)	101.66 (13.53)	71.06 (9.46)	78.94 (10.51)	246.78 (32.85)	188.47 (25.09)	123.47 (16.44)	113.72 (15.14)	804.97 (100.)	751.25 (100.)
Deendayal	236.41 (34.87)	260.19 (38.38)	10.07 (1.49)	9.63 (1.42)	62.93 (9.28)	61.11 (9.01)	73.39 (10.82)	87.00 (12.83)	138.66 (20.45)	145.29 (21.43)	136.99 (20.21)	114.75 (16.93)	658.45 (100.)	677.97 (100.)
Kamarjar	13.07 (8.3)	13.15 (8.35)	0.00 (.)	0.00 (.)	48.35 (30.72)	33.14 (21.05)	21.89 (13.91)	30.39 (19.31)	65.28 (41.47)	80.18 (50.94)	0.61 (.39)	0.54 (.34)	149.20 (100.)	157.40 (100.)
<b>Total</b>	<b>3285.05</b> <b>(39.96)</b>	<b>3429.66</b> <b>(41.72)</b>	<b>217.04</b> <b>(2.64)</b>	<b>219.40</b> <b>(2.67)</b>	<b>829.16</b> <b>(10.09)</b>	<b>819.01</b> <b>(9.96)</b>	<b>530.46</b> <b>(6.45)</b>	<b>563.75</b> <b>(6.86)</b>	<b>2441.60</b> <b>(29.7)</b>	<b>2671.13</b> <b>(32.49)</b>	<b>522.26</b> <b>(6.35)</b>	<b>517.86</b> <b>(6.3)</b>	<b>7825.57</b> <b>(100.00)</b>	<b>8220.81</b> <b>(100.00)</b>

Note : Figures in paranthesis are the percentage of respective heads of Account to the total.

Source : Major Ports

Table 2.1.36

**Operating Financial Parameters Per Tonne Of Cargo  
Handled at Major Ports : 2015-16, 2016-17 & 2017-18**

(Rs.)

Port	Operating Income			Operating Expenditure			Surplus/Deficit Per Tonne		
	2015-16	2016-17	2017-18	2015-16	2016-17	2017-18	2015-16	2016-17	2017-18
1	2	3	4	5	6	7	8	9	10
DEENDAYAL	98.75	131.18	134.00	62.50	62.48	61.58	36.25	68.70	72.42
MUMBAI	241.85	234.09	248.08	176.00	176.09	194.89	65.85	58.00	53.18
J. L. NEHRU	260.06	273.68	286.48	108.25	129.52	113.82	151.81	144.17	172.66
MORMUGAO	165.02	133.69	135.54	115.20	80.76	101.81	49.83	52.92	33.72
V.O.CHIDAMBARANAR	149.53	155.46	114.75	65.01	64.45	65.44	84.52	91.00	49.30
CHENNAI	151.57	154.43	147.33	112.31	111.17	103.01	39.26	43.25	44.32
KAMARAJAR	191.68	206.58	207.25	37.92	49.70	51.70	153.76	156.88	155.55
VISAKHAPATNAM	159.12	150.37	150.87	96.73	87.13	87.43	62.39	63.25	63.44
PARADIP	134.04	128.96	130.06	75.33	68.59	63.64	58.71	60.36	66.43
HALDIA DOCK COMPLEX	324.89	356.57	370.10	238.75	240.02	238.29	86.14	116.55	131.81
KOLKATA DOCK SYSTEM	460.61	430.34	468.54	356.70	343.43	326.17	103.91	86.91	142.37
<b>All Major Ports</b>	181.39	184.36	184.86	110.48	107.77	106.79	70.91	76.59	78.07

Table 2.2.1

**Traffic Handled at Non-Major Ports ( State-wise & Port-wise) - 2015-16, 2016-17 & 2017-18**

('000 Tonnes)

States/U.T.	2015-16						2016-17						2017-18					
	Overseas			Coastal			Overseas			Coastal			Overseas			Coastal		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
<b>GUJARAT</b>																		
Bedi	4216	4132	8348	0	0	0	4817	1400	6217	60	0	60	3460	1691	5151	8	89	97
Bhavnagar	2425	0	2425	0	0	0	2014	0	2014	0	0	0	2101	110	2211	0	22	22
Dahej	22983	498	23481	1300	133	1433	23992	352	24344	2054	170	2224	27593	750	28343	2669	163	2832
GAPL	78172	21596	99768	3130	576	3706	77130	23922	101052	2957	538	3495	81785	29878	111663	3281	818	4099
GPPL	6242	2882	9124	0	0	0	5973	2463	8436	0	0	0	5984	2759	8743	0	0	0
Jafrabad	498	777	1275	0	2419	2419	1086	1080	2166	0	2517	2517	1812	1153	2965	0	2616	2616
Magdalla	9064	1502	10566	10265	830	11095	8610	1569	10179	13656	1958	15614	10647	1485	12132	15062	2616	17678
Mul-Dwarka	280	46	326	0	2829	2829	455	70	525	0	2668	2668	523	0	523	94	2849	2943
Navalakhhi	6185	449	6634	131	0	131	6142	984	7126	85	36	121	7310	1314	8624	68	0	68
Okha	1880	2873	4753	16	273	289	1620	1599	3219	1002	19	1021	1290	557	1847	10	2140	2150
Porbandar	803	2123	2926	0	81	81	1029	687	1716	0	196	196	1171	574	1745	6	190	196
Sikka	74934	41595	116529	581	10417	10998	75386	40985	116371	181	10034	10215	77685	42757	120442	341	8667	9008
HPPL	3489	0	3489	0	0	0	3495	0	3495	0	0	0	3038	0	3038	0	0	0
Veraval	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mundra (Old)	2	84	86	0	0	0	7	20	27	0	0	0	12	57	69	0	0	0
Jakhau	607	2174	2781	0	161	161	333	2391	2724	0	341	341	170	2158	2328	44	347	391
Others	11613	2484	14097	26	2	28	12987	4665	17652	3	1	4	14603	3792	18395	33	417	450
<b>TOTAL</b>	<b>223393</b>	<b>83215</b>	<b>306608</b>	<b>15449</b>	<b>17721</b>	<b>33170</b>	<b>225076</b>	<b>82187</b>	<b>307263</b>	<b>19998</b>	<b>18478</b>	<b>38476</b>	<b>239184</b>	<b>89035</b>	<b>328219</b>	<b>21616</b>	<b>20934</b>	<b>42550</b>
<b>MAHARASHTRA</b>																		
Dabhol	3215	0	3215	0	0	0	2059	0	2059	0	0	0	2478	0	2478	0	0	0
Dahanu	0	0	0	467	0	467	0	0	0	57	0	57	0	0	0	421	0	421
Dharamtar	6723	47	6770	3100	16	3116	11812	0	11812	2396	74	2470	5263	3	5266	9559	40	9600
Ratnagiri	439	0	439	273	0	273	484	0	484	242	0	242	571	0	571	194	0	194
Revdanda	1309	0	1309	2	33	35	804	43	847	520	28	548	1418	25	1443	403	131	534
Ulwa-Belapur	0	0	0	1607	12	1619	0	0	0	1531	136	1667	0	0	0	1628	72	1700
Jaigad	6097	290	6387	31	1823	1854	8255	243	8498	2	3971	3973	9084	144	9229	0	4518	4518
Redi	0	1341	1341	0	0	0	888	888	0	0	0	0	0	659	659	0	0	0
Dighi (Rajपुरi)	403	187	590	192	3	195	430	46	476	360	190	550	210	0	210	722	0	722
Kelshi	503	351	854	52	0	52	0	0	0	0	78	78	0	0	0	0	192	192
Trombay	0	0	0	0	11	11	0	0	0	0	3	3	0	0	0	0	10	10
Others	59	103	162	2	158	160	53	183	236	5	1	6	0	106	106	0	53	53
<b>TOTAL</b>	<b>18748</b>	<b>2319</b>	<b>21067</b>	<b>5726</b>	<b>2056</b>	<b>7782</b>	<b>23897</b>	<b>1403</b>	<b>25300</b>	<b>5113</b>	<b>4481</b>	<b>9594</b>	<b>19024</b>	<b>938</b>	<b>19962</b>	<b>12928</b>	<b>5017</b>	<b>17944</b>
<b>GOA</b>																		
Panaji	170	260	430	0	0	0	0	0	0	15	102	117	0	0	0	10	62	72
<b>TOTAL</b>	<b>170</b>	<b>260</b>	<b>430</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15</b>	<b>102</b>	<b>117</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>62</b>	<b>72</b>



Table 2.2.1(Contd...)

**Traffic Handled at Non-Major Ports (State-wise & Port-wise) - 2015-16, 2016-17 & 2017-18**

('000 Tonnes)

States/U.T.	2015-16						2016-17						2017-18					
	Overseas			Coastal			Overseas			Coastal			Overseas			Coastal		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
<b>ANDHRA PRADESH</b>																		
Kakinada																		
Anchorage Port	0	2018	2018	0	55	55	0	1914	1914	0	48	48	0	1956	1956	0	51	51
Deep Water Port	8887	3319	12206	2742	19	2761	7210	3623	10833	1589	63	1652	8278	3459	11737	454	64	518
Rawa	0	0	0	0	1299	1299	0	0	0	0	1010	1010	0	0	0	0	970	970
Krishnapatnam	26812	2393	29205	5663	181	5844	24979	4468	29447	6581	78	6659	31993	6901	38893	6339	32	6371
Gangavaram	19075	0	19075	0	270	270	15219	1269	16488	272	1280	1552	21195	1291	22486	679	2625	3304
<b>TOTAL</b>	<b>54774</b>	<b>7730</b>	<b>62504</b>	<b>8405</b>	<b>1824</b>	<b>10229</b>	<b>47408</b>	<b>11274</b>	<b>58682</b>	<b>8442</b>	<b>2479</b>	<b>10921</b>	<b>61466</b>	<b>13606</b>	<b>75072</b>	<b>7472</b>	<b>3741</b>	<b>11213</b>
<b>KARNATAKA</b>																		
Karwar	285	268	553	161	0	161	295	78	373	209	0	209	319	0	319	280	0	280
Old Mangalore	0	0	0	10	109	119	0	0	0	10	111	121	0	0	0	1	79	80
Malpe	0	0	0	1	0	1	0	0	0	1	0	1	0	0	0	1	1	1
Hangarkatta	0	0	0	0	1	1	0	0	0	0	1	1	0	0	0	0	0	0
Others	0	0	0	0	0	0	0	0	0	1	1	2	0	0	0	0	0	0
<b>TOTAL</b>	<b>285</b>	<b>268</b>	<b>553</b>	<b>172</b>	<b>110</b>	<b>282</b>	<b>295</b>	<b>78</b>	<b>373</b>	<b>221</b>	<b>113</b>	<b>334</b>	<b>319</b>	<b>0</b>	<b>319</b>	<b>281</b>	<b>80</b>	<b>361</b>
<b>KERALA</b>																		
Kozikode/Beyepore	0	2	2	19	105	124	0	1	1	16	112	128	0	0	0	12	120	132
Kovalam/Vizhinjam	0	8	8	0	0	0	0	6	6	3	0	3	0	5	5	0	0	0
Others	6	0	6	3	1	4	3	0	3	0	0	0	0	1	1	0	0	0
<b>TOTAL</b>	<b>6</b>	<b>10</b>	<b>16</b>	<b>22</b>	<b>106</b>	<b>128</b>	<b>3</b>	<b>7</b>	<b>10</b>	<b>19</b>	<b>112</b>	<b>131</b>	<b>0</b>	<b>6</b>	<b>6</b>	<b>12</b>	<b>120</b>	<b>132</b>
<b>TAMIL NADU</b>																		
Ennore	30	-	30	0	0	0	36	-	36	0	0	0	32	0	32	0	0	0
Kattupali	0	0	0	0	0	0	259	29	288	167	39	206	100	123	223	109	7	116
Nagapattinam	30	0	30	3	266	269	34	0	34	25	238	263	0	0	0	79	365	444
Thrukkadaiyur	-	-	0	25	0	25	0	0	0	40	0	40	0	0	0	4	0	4
Cuddalore	258	-	258	-	1	1	283	0	283	0	2	2	283	0	283	0	2	2
Others	106	15	121	117	5	122	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>424</b>	<b>15</b>	<b>439</b>	<b>145</b>	<b>272</b>	<b>417</b>	<b>612</b>	<b>29</b>	<b>641</b>	<b>232</b>	<b>279</b>	<b>511</b>	<b>414</b>	<b>123</b>	<b>537</b>	<b>193</b>	<b>374</b>	<b>566</b>
<b>PUDUCHERRY</b>																		
Karaikal	5569	138	5707	267	0	267	7638	26	7664	763	685	1448	7275	689	7964	156	1	158
<b>TOTAL</b>	<b>5569</b>	<b>138</b>	<b>5707</b>	<b>267</b>	<b>0</b>	<b>267</b>	<b>7638</b>	<b>26</b>	<b>7664</b>	<b>763</b>	<b>685</b>	<b>1448</b>	<b>7275</b>	<b>689</b>	<b>7964</b>	<b>156</b>	<b>1</b>	<b>158</b>
<b>ODISHA</b>																		
Dhamra	13891	395	14286	0	419	419	14296	3265	17561	0	3861	3861	14410	3180	17590	0	3860	3860
Gopalpur	0	181	181	63	0	63	215	742	957	69	25	94	560	443	1004	104	38	142
<b>TOTAL</b>	<b>13891</b>	<b>576</b>	<b>14467</b>	<b>63</b>	<b>419</b>	<b>482</b>	<b>14511</b>	<b>4007</b>	<b>18518</b>	<b>69</b>	<b>3886</b>	<b>3955</b>	<b>14970</b>	<b>3623</b>	<b>18594</b>	<b>104</b>	<b>3898</b>	<b>4002</b>
<b>SEA ISLANDS</b>																		
Andaman Nicobar	45	-	45	999	279	1278	48	-	48	939	289	1228	138	-	138	973	306	1280
Lakshadweep	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
<b>TOTAL</b>	<b>45</b>	<b>0</b>	<b>45</b>	<b>999</b>	<b>279</b>	<b>1278</b>	<b>48</b>	<b>0</b>	<b>48</b>	<b>939</b>	<b>289</b>	<b>1228</b>	<b>138</b>	<b>0</b>	<b>138</b>	<b>973</b>	<b>306</b>	<b>1280</b>
<b>All States TOTAL</b>	<b>317305</b>	<b>94531</b>	<b>411836</b>	<b>31248</b>	<b>22787</b>	<b>54035</b>	<b>319488</b>	<b>99011</b>	<b>418499</b>	<b>35811</b>	<b>30904</b>	<b>66715</b>	<b>342791</b>	<b>108020</b>	<b>450811</b>	<b>43744</b>	<b>34534</b>	<b>78278</b>

Note : The cargo data of GAPL , GPPL &amp; HPPL for 2015-16 , 2016-17 &amp; 2017-18 include containers.

Source : State / UT Maritime Boards

Table 2.2.2

## Traffic Handled at Non-Major Ports (State-wise &amp; Principal Commodity-wise) - 2015-16, 2016-17 &amp; 2017-18

('000 Tonnes)

	2015-16						2016-17						2017-18					
	Overseas			Coastal			Overseas			Coastal			Overseas			Coastal		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
<b>GUJARAT</b>																		
POL & other Products	112311	43597	155908	8068	10899	18967	117455	42778	160233	9351	10731	20082	122667	44495	167162	9092	12211	21303
Coal	64917	587	65504	349	50	399	61708	530	62238	153	30	183	64608	1054	65662	116	184	300
Building Material	360	1556	1916	1669	5490	7159	318	2037	2355	1729	5646	7375	1108	1569	2677	1781	6052	7833
Fertiliser & FRM	9787	544	10331	0	0	0	8134	568	8702	2	0	2	5112	363	5475	0	0	0
Chemicals	0	0	0	0	24	24	48	8	56	0	86	86	0	114	114	90	38	128
Iron Ore	2177	0	2177	5285	49	5334	747	0	747	8632	0	8632	1047	109	1156	10428	0	10428
Iron & Steel	4248	870	5118	8	798	806	4669	1882	6551	106	1616	1722	3919	1768	5687	46	1966	2012
Other Ore	0	7671	7671	0	12	12	0	2494	2494	0	12	12	0	777	777	0	0	0
Foodgrains	271	75	346	0	6	6	690	80	770	0	1	1	132	55	187	0	0	0
Salt	0	2935	2935	0	97	97	0	3302	3302	0	156	156	0	4245	4245	37	67	104
Oil Cake	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	0	0
Edible Oil	1250	0	1250	22	0	22	0	0	0	0	0	0	0	0	0	0	0	0
Others	28072	25380	53452	48	296	344	31307	28508	59815	25	200	225	40592	34484	75076	26	416	442
<b>Total</b>	<b>223393</b>	<b>83215</b>	<b>306608</b>	<b>15449</b>	<b>17721</b>	<b>33170</b>	<b>225076</b>	<b>82187</b>	<b>307263</b>	<b>19998</b>	<b>18478</b>	<b>38476</b>	<b>239184</b>	<b>89035</b>	<b>328218</b>	<b>21616</b>	<b>20934</b>	<b>42550</b>
<b>MAHARASHTRA</b>																		
Iron Ore	2815	1341	4156	2113	1342	3455	9347	888	10235	1614	3200	4814	3466	659	4125	6790	2463	9253
Iron & Steel	214	0	214	734	12	746	215	59	274	1184	82	1266	0	60	60	1005	42	1048
POL & other Products	3225	0	3225	0	0	0	2161	0	2161	0	0	0	2528	0	2528	0	0	0
Building Material	352	0	352	1891	0	1891	579	0	579	1796	131	1927	197	0	197	1928	0	1928
Coal	10746	0	10746	915	512	1427	9990	30	10020	334	782	1116	10427	0	10427	2944	2111	5055
Fertiliser & FRM	151	0	151	0	0	0	236	7	243	0	0	0	754	0	754	58	58	116
Chemicals	154	0	154	0	0	0	161	0	161	14	0	14	217	0	217	0	0	0
Others	1091	978	2069	73	190	263	1208	419	1627	171	286	457	1435	219	1654	202	343	544
<b>Total</b>	<b>18748</b>	<b>2319</b>	<b>21067</b>	<b>5726</b>	<b>2056</b>	<b>7782</b>	<b>23897</b>	<b>1403</b>	<b>25300</b>	<b>5113</b>	<b>4481</b>	<b>9594</b>	<b>19024</b>	<b>938</b>	<b>19962</b>	<b>12928</b>	<b>5017</b>	<b>17944</b>
<b>GOA</b>																		
Iron Ore	0	260	260	0	0	0	0	0	0	15	102	117	0	0	0	10	62	72
Coal	170	0	170	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Others	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>170</b>	<b>260</b>	<b>430</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15</b>	<b>102</b>	<b>117</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>62</b>	<b>72</b>

Table 2.2.2 (Contd...)

## Traffic Handled at Non-Major Ports (State-wise &amp; Principal Commodity-wise) - 2015-16, 2016-17 &amp; 2017-18

Commodity	('000 Tonnes)																	
	2015-16						2016-17						2017-18					
	Overseas			Coastal			Overseas			Coastal			Overseas			Coastal		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
<b>TAMIL NADU</b>																		
POL & other Products	258	0	258	25	263	288	0	0	0	65	237	302	0	0	0	61	363	424
Edible Oil	30	0	30	3	0	3	35	0	35	0	0	0	0	0	0	23	0	23
Fertiliser & FRM	30	0	30	0	0	0	36	0	36	0	0	0	32	0	32	0	0	0
Bldg. Material	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4
Others	102	15	117	117	9	126	541	29	570	167	42	209	383	123	506	109	7	116
<b>Total</b>	<b>424</b>	<b>15</b>	<b>439</b>	<b>145</b>	<b>272</b>	<b>417</b>	<b>612</b>	<b>29</b>	<b>641</b>	<b>232</b>	<b>279</b>	<b>511</b>	<b>414</b>	<b>123</b>	<b>537</b>	<b>193</b>	<b>374</b>	<b>566</b>
<b>KERALA</b>																		
Bldg. Material	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
POL & other Products	0	0	0	0	19	19	0	1	1	0	18	18	0	0	0	1	21	22
Others	6	10	16	21	87	108	3	6	9	19	94	113	0	6	6	11	99	110
<b>Total</b>	<b>6</b>	<b>10</b>	<b>16</b>	<b>22</b>	<b>106</b>	<b>128</b>	<b>3</b>	<b>7</b>	<b>10</b>	<b>19</b>	<b>112</b>	<b>131</b>	<b>0</b>	<b>6</b>	<b>6</b>	<b>12</b>	<b>120</b>	<b>132</b>
<b>PUDUCHERRY</b>																		
POL & Other Prdct	0	0	0	267	0	267	8	0	8	264	0	264	0	0	0	156	0	156
Bldg. Material	277	34	311	0	0	0	47	26	73	0	685	685	133	689	822	0	0	0
Coal	4658	0	4658	0	0	0	6967	0	6967	0	0	0	6094	0	6094	0	0	0
Fertiliser & FRM	421	0	421	0	0	0	63	0	63	0	0	0	62	0	62	0	0	0
Iron Ore	69	0	69	0	0	0	0	0	0	499	0	499	696	0	696	0	0	0
Others	144	104	248	0	0	0	553	0	553	0	0	0	289	0	289	0	2	0
<b>Total</b>	<b>5569</b>	<b>138</b>	<b>5707</b>	<b>267</b>	<b>0</b>	<b>267</b>	<b>7638</b>	<b>26</b>	<b>7664</b>	<b>763</b>	<b>685</b>	<b>1448</b>	<b>7275</b>	<b>689</b>	<b>7964</b>	<b>156</b>	<b>2</b>	<b>158</b>
<b>A &amp; N ISLANDS</b>																		
POL & other Products	9	0	9	185	5	190	10	0	10	166	2	168	10	0	10	184	2	185
Bldg. Material	0	0	0	342	137	479	0	0	0	276	110	386	0	0	0	224	100	324
Foodgrains	0	0	0	31	4	35	0	0	0	20	3	23	0	0	0	14	2	17
Fertiliser & FRM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Others	36	0	36	441	133	574	38	0	38	477	174	651	128	0	0	551	202	753
<b>Total</b>	<b>45</b>	<b>0</b>	<b>45</b>	<b>999</b>	<b>279</b>	<b>1278</b>	<b>48</b>	<b>0</b>	<b>48</b>	<b>939</b>	<b>289</b>	<b>1228</b>	<b>138</b>	<b>0</b>	<b>138</b>	<b>973</b>	<b>306</b>	<b>1280</b>
<b>LAKSHADWEEP</b>																		
POL & other Products	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bldg. Material	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Others	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>ANDHRA PRADESH</b>																		
POL & other Products	1	9	10	118	1299	1417	1362	21	1383	318	1010	1328	0	45	45	435	970	1405
Fertiliser & FRM	5907	0	5907	49	0	49	4649	0	4649	221	0	221	5106	0	5106	0	0	0
Edible Oil	2152	7	2159	9	3	12	784	0	784	9	0	9	2434	0	2434	0	1	1
Coal	38014	0	38014	8161	28	8189	32060	28	32088	7355	78	7433	38989	0	38989	6243	30	6273
Bldg. Material	152	1771	1923	0	55	55	156	1418	1574	0	83	83	0	1631	1631	0	100	100
Chemicals	257	0	257	0	0	0	265	0	265	11	0	11	323	0	323	10	0	10
Iron ore	1201	0	1201	0	420	420	655	580	1235	468	1280	1748	2999	204	3203	535	2211	2746
Others	7090	5943	13033	68	19	87	7477	9227	16704	60	28	88	11615	11727	23342	250	428	678
<b>Total</b>	<b>54774</b>	<b>7730</b>	<b>62504</b>	<b>8405</b>	<b>1824</b>	<b>10229</b>	<b>47408</b>	<b>11274</b>	<b>58682</b>	<b>8442</b>	<b>2479</b>	<b>10921</b>	<b>61466</b>	<b>13606</b>	<b>75072</b>	<b>7472</b>	<b>3741</b>	<b>11213</b>

**Table 2.2.2 (Contd...)**

**Traffic Handled at Non-Major Ports (State-wise & Principal Commodity-wise) - 2015-16 , 2016-17 & 2017-18**

('000 Tonnes)

Commodity	2015-16						2016-17						2017-18					
	Overseas			Coastal			Overseas			Coastal			Overseas			Coastal		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
<b>KARNATAKA</b>																		
Other Minerals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fertiliser & FRM	57	0	57	0	0	0	40	0	40	0	0	0	36	0	36	0	0	0
Salt	0	0	0	0	0	0	0	0	0	98	0	98	0	0	0	98	0	98
Coal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
POL & other Products	0	0	0	82	0	82	0	0	0	111	0	111	0	0	0	182	0	182
Bldg. Material	0	0	0	0	81	81	0	0	0	0	86	86	0	0	0	0	44	44
Iron ore	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Others	228	268	496	90	29	119	255	78	333	12	27	39	284	0	284	1	36	38
<b>Total</b>	<b>285</b>	<b>268</b>	<b>553</b>	<b>172</b>	<b>110</b>	<b>282</b>	<b>295</b>	<b>78</b>	<b>373</b>	<b>221</b>	<b>113</b>	<b>334</b>	<b>319</b>	<b>0</b>	<b>319</b>	<b>281</b>	<b>80</b>	<b>361</b>
<b>ODISHA</b>																		
Fertiliser & FRM	0	0	0	0	0	0	281	0	281	0	0	0	134	0	134	0	0	0
Iron ore	103	0	103	0	209	209	0	3394	3394	0	3034	3034	0	2898	2898	0	2018	2018
Coal	12557	0	12557	0	210	210	12881	0	12881	0	828	828	11980	0	11980	0	1880	1880
Others	1231	576	1807	63	0	63	1349	613	1962	69	24	93	2856	725	3582	104	0	104
<b>Total</b>	<b>13891</b>	<b>576</b>	<b>14467</b>	<b>63</b>	<b>419</b>	<b>482</b>	<b>14511</b>	<b>4007</b>	<b>18518</b>	<b>69</b>	<b>3886</b>	<b>3955</b>	<b>14970</b>	<b>3623</b>	<b>18594</b>	<b>104</b>	<b>3898</b>	<b>4002</b>
<b>ALL STATES</b>																		
POL & other Pdcts	115804	43606	159410	8745	12485	21230	120996	42800	163796	10275	11998	22273	125205	44540	169745	10110	13567	23677
Coal	131062	587	131649	9425	800	10225	123606	588	124194	7842	1718	9560	132097	1054	133151	9302	4206	13508
Building Material	1145	3361	4506	3903	5763	9666	1100	3481	4581	3801	6741	10542	1438	3888	5326	3933	6299	10232
Fertiliser & FRM	16353	544	16897	49	0	49	13439	575	14014	223	0	223	11235	363	11598	58	58	116
Chemicals	411	0	411	0	24	24	474	8	482	25	86	111	540	114	654	100	38	138
Iron Ore	6365	1601	7966	7398	2020	9418	10749	4862	15611	11228	7616	18844	8208	3870	12078	17764	6754	24517
Iron & Steel	4462	870	5332	742	810	1552	4884	1941	6825	1290	1698	2988	3919	1828	5747	1051	2008	3060
Other Ore	0	7671	7671	0	12	12	0	2494	2494	0	12	12	0	777	777	0	0	0
Salt	0	2935	2935	0	97	97	0	3302	3302	98	156	254	0	4245	4245	135	67	202
Oil Cake	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	0	0
Edible Oil	3432	7	3439	34	3	37	819	0	819	9	0	9	2434	0	2434	23	1	24
Foodgrains	271	75	346	31	10	41	690	80	770	20	4	24	132	55	187	14	2	17
Other Minerals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Others	38000	33274	71274	921	763	1684	42731	38880	81611	1000	875	1875	57581	47284	104737	1253	1534	2785
<b>Total</b>	<b>317305</b>	<b>94531</b>	<b>411836</b>	<b>31248</b>	<b>22787</b>	<b>54035</b>	<b>319488</b>	<b>99011</b>	<b>418499</b>	<b>35811</b>	<b>30904</b>	<b>66715</b>	<b>342791</b>	<b>108020</b>	<b>450810</b>	<b>43744</b>	<b>34534</b>	<b>78278</b>

Source : States/UT Maritime Boards

Table 2.2.3

Commodity-wise Overseas Cargo Traffic Handled At Select  
Non-Major Ports - 2015-16, 2016-17 & 2017-18

('000 Tonnes)

Port/Commodity	2015-16			2016-17			2017-18		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
1	2	3	4	5	6	7	8	9	10
<b>GUJARAT</b>									
<b>1. Bedi</b>	<b>4216</b>	<b>4132</b>	<b>8348</b>	<b>4817</b>	<b>1400</b>	<b>6217</b>	<b>3460</b>	<b>1691</b>	<b>5151</b>
a)Others Ore	0	3101	3101	0	338	338	0	247	247
b)Fertilizers & FRM	388	544	932	356	568	924	301	317	618
c)Oil Cakes	0	0	0	0	0	0	0	0	0
d)Coal	3828	487	4315	4438	494	4932	3149	1030	4179
e)Others	0	0	0	23	0	23	10	97	107
<b>2. Okha</b>	<b>1880</b>	<b>2873</b>	<b>4753</b>	<b>1620</b>	<b>1599</b>	<b>3219</b>	<b>1290</b>	<b>557</b>	<b>1847</b>
a)Chemicals	0	0	0	0	0	0	0	0	0
b) Coal	854	0	854	695	0	695	602	0	602
c)Ore	0	2873	2873	0	1599	1599	0	0	0
d)Others	1026	0	1026	925	0	925	688	557	1245
<b>3. GAPT</b>	<b>78172</b>	<b>21596</b>	<b>99768</b>	<b>77130</b>	<b>23922</b>	<b>101052</b>	<b>81785</b>	<b>29878</b>	<b>111663</b>
a)Edible Oil	1250	-	1250	0	0	0	0	0	0
b)Food grains	240	43	283	184	72	256	21	12	33
c)Iron & steel	1392	313	1705	1255	581	1836	1092	620	1712
d)POL&Other Products	19948	64	20012	20774	627	21401	21254	718	21972
e)Fertiliser&FRM	4347	0	4347	3123	0	3123	1697	13	1710
f)Coal	30511	64	30575	29993	0	29993	30126	24	30150
g)Others	20484	21112	41596	21801	22642	44443	27595	28491	56086
<b>4. Navalakhi</b>	<b>6185</b>	<b>449</b>	<b>6634</b>	<b>6142</b>	<b>984</b>	<b>7126</b>	<b>7310</b>	<b>1314</b>	<b>8624</b>
a)Coal	6185	-	6185	6142	0	6142	7310	0	7310
b)Salt	-	449	449	0	984	984	0	1314	1314
c)Others	0	0	0	0	0	0	0	0	0
<b>5. Mul-Dwarka</b>	<b>280</b>	<b>46</b>	<b>326</b>	<b>455</b>	<b>70</b>	<b>525</b>	<b>523</b>	<b>0</b>	<b>523</b>
a)Building Material	0	46	46	33	70	103	0	0	0
b)Coal	280	-	280	422	0	422	523	0	523
c)POL&Other Products	-	-	0	0	0	0	0	0	0
d)Others	0	0	0	0	0	0	0	0	0
<b>6. Sikka</b>	<b>74934</b>	<b>41595</b>	<b>116529</b>	<b>75386</b>	<b>40985</b>	<b>116371</b>	<b>77685</b>	<b>42757</b>	<b>120442</b>
a)POL&Other Products	74191	41591	115782	74847	40985	115832	76868	42751	119619
b)Fertiliser & FRM	527	-	527	0	0	0	0	0	0
c)Building Material	0	-	0	0	0	0	0	0	0
d)Coal	159	-	159	0	0	0	0	0	0
e)Edible oil	-	-	-	0	0	0	0	0	0
f)Others	57	4	61	539	0	539	817	6	823
<b>7. Magdalla</b>	<b>9064</b>	<b>1502</b>	<b>10566</b>	<b>8610</b>	<b>1569</b>	<b>10179</b>	<b>10647</b>	<b>1485</b>	<b>12132</b>
a)POL&Other Products	289	666	955	243	421	664	25	160	185
b)Iron Ore	1709	-	1709	336	0	336	483	0	483
c)Iron & Steel	128	468	596	191	1061	1252	80	948	1028
d)Coal	6641	36	6677	6074	36	6110	7929	0	7929
e)Others	297	332	629	1766	51	1817	2130	377	2507
<b>8. Jafarabad</b>	<b>498</b>	<b>777</b>	<b>1275</b>	<b>1086</b>	<b>1080</b>	<b>2166</b>	<b>1812</b>	<b>1153</b>	<b>2965</b>
a)Coal	498	-	498	1086	0	1086	1812	0	1812
b)Building Material	-	777	777	0	1080	1080	0	1153	1153
c)Others	0	0	0	0	0	0	0	0	0
<b>9. Dahej</b>	<b>22983</b>	<b>498</b>	<b>23481</b>	<b>23992</b>	<b>352</b>	<b>24344</b>	<b>27593</b>	<b>750</b>	<b>28343</b>
a)POL&Other Products	12562	498	13060	15721	201	15922	18420	558	18978
b)Chemicals	0	0	0	0	0	0	0	0	0
c)Fertiliser&FRM	2009	-	2009	1993	0	1993	620	0	620
d)Coal	8412	-	8412	6148	0	6148	6076	0	6076
e)Other ores	0	0	0	0	0	0	0	0	0
f)Others	0	0	0	130	151	281	2477	192	2669

**Table 2.2.3  
(Contd...)**

**Commodity-wise Overseas Cargo Traffic Handled At Select  
Non-Major Ports - 2015-16, 2016-17 & 2017-18**

('000 Tonnes)

Port/Commodity	2015-16			2016-17			2017-18		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
1	2	3	4	5	6	7	8	9	10
<b>10. GPPL</b>	<b>6242</b>	<b>2882</b>	<b>9124</b>	<b>5973</b>	<b>2463</b>	<b>8436</b>	<b>5984</b>	<b>2759</b>	<b>8743</b>
a) Building Material	-	-	-	-	-	-	0	0	0
b) Coal	787	-	787	701	0	701	584	0	584
c) Iron&Steel	-	-	-	0	0	0	0	0	0
d) Fertiliser&FRM	1233	-	1233	1004	0	1004	1092	33	1125
e) Others	4222	2882	7104	4268	2463	6731	4308	2726	7034
<b>MAHARASHTRA</b>									
<b>1. Revdanda</b>	<b>1309</b>	<b>0</b>	<b>1309</b>	<b>804</b>	<b>43</b>	<b>847</b>	<b>1418</b>	<b>25</b>	<b>1443</b>
a) Iron Ore	0	0	0	0	0	0	0	0	0
b) Coal	1293	-	1293	793	0	793	1397	0	1397
c) Others	16	0	16	11	43	54	21	25	46
<b>2. Ratnagiri</b>	<b>439</b>	<b>-</b>	<b>439</b>	<b>484</b>	<b>0</b>	<b>484</b>	<b>571</b>	<b>0</b>	<b>571</b>
a) Chemicals	154	-	154	161	0	161	215	0	215
b) Coal	176	-	176	221	0	221	235	0	235
c) Others	109	0	109	102	0	102	122	0	122
<b>3) Dharamtar</b>	<b>6723</b>	<b>47</b>	<b>6770</b>	<b>11812</b>	<b>0</b>	<b>11812</b>	<b>5263</b>	<b>3</b>	<b>5266</b>
a) Iron ore	1463	-	1463	5966	0	5966	899	0	899
b) Coal	4443	-	4443	4377	0	4377	2611	0	2611
c) Iron&Steel	46	-	46	0	0	0	0	0	0
d) Fertiliser&FRM	0	-	0	0	0	0	314	0	314
e) Others	771	47	818	1469	0	1469	1440	3	1443
<b>4) Dahanu</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>0</b>	<b>0</b>	<b>0</b>
a) Coal	-	-	-	-	-	-	0	0	0
<b>5) Dabhol</b>	<b>3215</b>	<b>0</b>	<b>3215</b>	<b>2059</b>	<b>0</b>	<b>2059</b>	<b>2478</b>	<b>0</b>	<b>2478</b>
a) POL&Other Products	3215	0	3215	2059	0	2059	2478	0	2478
b) Others	-	-	-	-	-	-	0	0	0
<b>KARNATAKA</b>									
<b>1. Karwar</b>	<b>285</b>	<b>268</b>	<b>553</b>	<b>295</b>	<b>78</b>	<b>373</b>	<b>319</b>	<b>0</b>	<b>319</b>
a) Fertilizer &FRM	57	-	57	40	0	40	36	0	36
b) Other minerals	-	-	-	-	-	-	0	0	0
c) Iron ore	-	-	-	-	-	-	0	0	0
d) POL&Other Products	-	-	-	-	-	-	0	0	0
e) Others	228	268	496	255	78	333	284	0	284
<b>2. Belkeri</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>0</b>	<b>0</b>	<b>0</b>
a) Iron ore	-	-	-	-	-	-	0	0	0
b) Others	-	-	-	-	-	-	0	0	0
<b>KERALA</b>									
<b>1. Kozikode/Beypore</b>	<b>-</b>	<b>2</b>	<b>2</b>	<b>-</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>
a) Others	-	2	2	-	1	1	0	0	0
<b>2. Kovalam-Vizhinjam</b>	<b>-</b>	<b>8</b>	<b>8</b>	<b>-</b>	<b>6</b>	<b>6</b>	<b>0</b>	<b>5</b>	<b>5</b>
a) Others	-	8	8	-	6	6	0	5	5
<b>TAMILNADU</b>									
<b>1. Ennore</b>	<b>30</b>	<b>-</b>	<b>30</b>	<b>36</b>	<b>0</b>	<b>36</b>	<b>32</b>	<b>0</b>	<b>32</b>
a) Fertiliser&FRM	30	-	30	36	0	36	32	0	32
b) Others	-	-	-	0	0	0	0	0	0
<b>2. Nagapattinam</b>	<b>30</b>	<b>0</b>	<b>30</b>	<b>34</b>	<b>0</b>	<b>34</b>	<b>0</b>	<b>0</b>	<b>0</b>
a) Edible Oil	30	-	30	34	0	34	0	0	0
b) Others	0	0	0	0	0	0	0	0	0

**Table 2.2.3  
(Contd...)**

**Commodity-wise Overseas Cargo Traffic Handled At Select  
Non-Major Ports - 2015-16, 2016-17 & 2017-18**

(\*000 Tonnes)

Port/Commodity	2015-16			2016-17			2017-18		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
1	2	3	4	5	6	7	8	9	10
<b>3. Cuddalore</b>	<b>258</b>	<b>-</b>	<b>258</b>	<b>283</b>	<b>0</b>	<b>283</b>	<b>283</b>	<b>0</b>	<b>283</b>
a)POL&Other Products	258	-	258	0	0	0	0	0	0
b)Fertiliser&FRM	0	-	0	0	0	0	0	0	0
c)Others	0	0	0	283	0	283	283	0	283
<b>GOA</b>									
<b>Panaji</b>	<b>170</b>	<b>260</b>	<b>430</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
a) Iron ore	-	260	260	0	0	0	0	0	0
b) Coal	170	-	170	0	0	0	0	0	0
<b>ANDHRA PRADESH</b>									
<b>1. Kakinada Anchorage Poi</b>	<b>-</b>	<b>2018</b>	<b>2018</b>	<b>-</b>	<b>1914</b>	<b>1914</b>	<b>0</b>	<b>1956</b>	<b>1956</b>
a)Foodgrain	-	2018	2018	-	1914	1914	0	1956	1956
b)Fertiliser &FRM	-	-	-	-	-	-	0	0	0
c) Coal	-	-	-	-	-	-	0	0	0
d)Others	-	-	-	-	-	-	0	0	0
<b>2. Kakinada Deep Water Po</b>	<b>8887</b>	<b>3319</b>	<b>12206</b>	<b>7210</b>	<b>3623</b>	<b>10833</b>	<b>8278</b>	<b>3459</b>	<b>11737</b>
a)Fertiliser &FRM	3589	-	3589	3076	0	3076	3900	0	3900
b)Edible Oil	813	6	819	784	0	784	809	0	809
c)POL&Other Products	1	9	10	0	19	19	0	45	45
d)Iron ore	-	0	0	47	0	47	0	16	16
e)Coal	2483	-	2483	1179	0	1179	848	0	848
e)Others	2001	3304	5305	2124	3604	5728	2721	3398	6119
<b>3. Krishnapatinam</b>	<b>26812</b>	<b>2393</b>	<b>29205</b>	<b>24979</b>	<b>4468</b>	<b>29447</b>	<b>31993</b>	<b>6901</b>	<b>38893</b>
a)Fertiliser &FRM	817	-	817	678	0	678	526	0	526
b) Iron ore	1201	-	1201	608	0	608	2999	0	2999
c) Coal	20576	0	20576	19864	0	19864	21930	0	21930
d)Building Material	-	1102	1102	106	1039	1145	0	1414	1414
e)Others	4218	1291	5509	3723	3429	7152	6537	5487	12024
<b>4. Gangavaram</b>	<b>19075</b>	<b>0</b>	<b>19075</b>	<b>15219</b>	<b>1269</b>	<b>16488</b>	<b>21195</b>	<b>1291</b>	<b>22486</b>
a)Fertiliser &FRM	1500	-	1500	895	0	895	680	0	680
b) Iron ore	0	0	0	0	580	580	0	188	188
c) Coal	14955	-	14955	11017	28	11045	16210	0	16210
d)Others	2620	0	2620	3307	661	3968	4305	1103	5408
<b>PUDUCHERRY</b>									
<b>Karaikal</b>	<b>5569</b>	<b>138</b>	<b>5707</b>	<b>7638</b>	<b>26</b>	<b>7664</b>	<b>7275</b>	<b>689</b>	<b>7964</b>
a)Building Material	278	34	312	47	26	73	133	689	822
b)Coal	4658	-	4658	6967	0	6967	6094	0	6094
c)Fertiliser &FRM	421	-	421	63	0	63	62	0	62
d)POL&Other Products	0	-	0	8	0	8	0	0	0
e) Iron ore	69	-	69	0	0	0	696	0	696
f)Salt	-	-	-	0	0	0	0	0	0
g)Others	143	104	247	553	0	553	289	0	289
<b>ODISHA</b>									
<b>Gopalpur</b>	<b>-</b>	<b>181</b>	<b>181</b>	<b>215</b>	<b>742</b>	<b>957</b>	<b>560</b>	<b>443</b>	<b>1004</b>
a)Fertiliser &FRM	-	-	-	136	-	136	44	0	44
b) Iron ore	-	-	-	-	129	129	0	138	138
c) Coal	-	-	-	79	-	79	0	0	0
d)Others	-	181	181	0	613	613	516	305	822
<b>Dhamra</b>	<b>13891</b>	<b>395</b>	<b>14286</b>	<b>14296</b>	<b>3265</b>	<b>17561</b>	<b>14410</b>	<b>3180</b>	<b>17590</b>
a) Iron ore	103	0	103	0	3265	3265	0	2760	2760
b) Coal	12557	-	12557	12802	-	12802	11980	0	11980
c)Others	1231	395	1626	1494	0	1494	2430	420	2850

Source : State / UT Maritime Boards

Table 2.2.4

**Commodity-wise Coastal Cargo Traffic Handled At Select  
Non-Major Ports - 2015-16 , 2016-17 & 2017-18**

('000 Tonnes)

Port/Commodity	2015-16			2016-17			2017-18		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
1	2	3	4	5	6	7	8	9	10
<b>GUJARAT</b>									
<b>1.Bedi</b>	0	0	0	60	0	60	8	89	97
a)Coal	0	0	0	58	0	58	0	89	89
b)Building Material	0	0	0	0	0	0	0	0	0
c)Others	0	0	0	2	0	2	8	0	8
<b>2.Okha</b>	16	273	289	1002	19	1021	10	2140	2150
a)POL&Other Products	16	209	225	1002	0	1002	0	2138	2138
b) Other Ores	0	12	12	0	12	12	0	0	0
c)Coal	0	0	0	0	0	0	10	2	12
d) Others	0	52	52	0	7	7	0	0	0
<b>3.GAPL</b>	3130	576	3706	2957	538	3495	3281	818	4099
a)POL&Other Products	2790	239	3029	2815	302	3117	3112	451	3563
b)Coal	280	0	280	74	30	104	0	93	93
c) Iron Ore	30	0	30	50	0	50	169	0	169
d)Others	30	337	367	18	206	224	0	274	274
<b>4.Navlakhi</b>	131	0	131	85	36	121	68	0	68
a)Building Material	62	0	62	85	0	85	68	0	68
b)Others	69	0	69	0	36	36	0	0	0
<b>5.Mul-Dwarka</b>	0	2829	2829	0	2668	2668	94	2849	2943
a)Building Material	0	2825	2825	0	2667	2667	21	2849	2870
b)Others	0	4	4	0	1	1	73	0	73
<b>6.Sikka</b>	581	10417	10998	181	10034	10215	341	8667	9008
a) POL&Other Products	546	10355	10901	181	9998	10179	341	8438	8779
b) Edible oil	0	0	-	0	0	0	0	0	0
c) Salt	0	62	62	0	0	0	0	45	45
d) Others	35	0	35	0	36	36	0	184	184
<b>7.Magdalla</b>	10265	830	11095	13656	1958	15614	15062	2616	17678
a) POL&Other Products	3417	29	3446	3318	256	3574	2970	610	3580
b)Building Material	1593	25	1618	1644	0	1644	1681	0	1681
c) Iron Ore	5255	0	5255	8582	0	8582	10257	0	10257
d) Iron & Steel	0	644	644	88	1515	1603	38	1907	1945
e) Others	0	132	132	24	187	211	116	99	215
<b>8.Jafarabad</b>	0	2419	2419	0	2517	2517	0	2616	2616
a)Building Material	0	2419	2419	-	2517	2517	0	2616	2616
<b>9.Dahej</b>	1300	133	1433	2054	170	2224	2669	163	2832
a) POL&Other Products	1299	67	1366	2054	156	2210	2669	157	2826
b)Chemicals	0	0	0	0	0	0	0	0	0
c)Others	1	66	67	0	14	14	0	6	6
<b>10.GPPL</b>	0	0	0	0	0	0	0	0	0
a)Building Material	0	0	0	0	0	0	0	0	0
b) Iron & Steel	0	0	0	0	0	0	0	0	0
c)Iron Ore	0	0	0	0	0	0	0	0	0
d)Others	0	0	0	0	0	0	0	0	0
<b>GOA</b>									
<b>1. Panaji</b>	0	0	0	15	102	117	10	62	72
a) Iron ore	0	0	0	15	102	117	10	62	72
b) Others	0	0	0	0	0	0	0	0	0



**Table 2.2.4  
(Contd...)**

**Commodity-wise Coastal Cargo Traffic Handled At Select  
Non-Major Ports - 2015-16, 2016-17 & 2017-18**

('000 Tonnes)

Port/Commodity	2015-16			2016-17			2017-18		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
1	2	3	4	5	6	7	8	9	10
<b>MAHARASHTRA</b>									
<b>1.Ratnagiri</b>	<b>272</b>	<b>0</b>	<b>272</b>	<b>242</b>	<b>0</b>	<b>242</b>	<b>194</b>	<b>0</b>	<b>194</b>
a)Building Material	272	0	272	219	0	219	194	0	194
b) Others	0	0	0	23	0	23	0	0	0
			0						
<b>2.Dharamtar</b>	<b>3100</b>	<b>17</b>	<b>3117</b>	<b>2396</b>	<b>74</b>	<b>2470</b>	<b>9559</b>	<b>40</b>	<b>9600</b>
a) Iron Ore	2111	2	2113	1094	0	1094	6734	12	6746
b)Building Material	11	0	11	51	0	51	113	0	113
c)Coal	388	0	388	277	0	277	1800	0	1800
d) Others	590	15	605	974	74	1048	912	28	941
<b>3. Revdanda</b>	<b>2</b>	<b>33</b>	<b>35</b>	<b>520</b>	<b>28</b>	<b>548</b>	<b>403</b>	<b>131</b>	<b>534</b>
a) Iron Ore	2	33	35	520	0	520	57	102	159
b) Iron & Steel	0	0	0	0	0	0	346	25	370
c) Others	0	0	0	0	28	28	0	4	4
<b>4. Ulwa-Belapur</b>	<b>1607</b>	<b>12</b>	<b>1619</b>	<b>1531</b>	<b>136</b>	<b>1667</b>	<b>1628</b>	<b>72</b>	<b>1700</b>
a)Building Material	1607	0	1607	1526	130	1656	1621	0	1621
b) Others	0	12	12	0	12	12	7	72	79
<b>5.Dabhol</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
a) Iron & Steel	0	0	0	0	0	0	0	0	0
b) Others	0	0	0	0	0	0	0	0	0
<b>6.Dahanu</b>	<b>467</b>	<b>0</b>	<b>467</b>	<b>57</b>	<b>0</b>	<b>57</b>	<b>421</b>	<b>0</b>	<b>421</b>
a)Coal	467	0	467	57	0	57	421	0	421
<b>ODISHA</b>									
<b>1. Dhamra</b>	<b>0</b>	<b>419</b>	<b>419</b>	<b>0</b>	<b>3861</b>	<b>3861</b>	<b>0</b>	<b>3860</b>	<b>3860</b>
a) Coal	0	210	210	0	828	828	0	1880	1880
b) Iron Ore	0	209	209	0	3033	3033	0	1980	1980
<b>2.Gopalpur</b>	<b>63</b>	<b>0</b>	<b>63</b>	<b>69</b>	<b>25</b>	<b>94</b>	<b>104</b>	<b>38</b>	<b>142</b>
a) Iron Ore	63	0	63	0	0	0	0	38	38
b)Salt	0	0	0	69	0	69	104	0	104
c) Others	0	0	0	0	25	25	0	0	0
<b>KERALA</b>									
<b>1.Kozikoda/ Beypore</b>	<b>19</b>	<b>105</b>	<b>124</b>	<b>16</b>	<b>112</b>	<b>128</b>	<b>12</b>	<b>120</b>	<b>132</b>
a)Building material	0	0	0	0	0	0	0	0	0
b)Foodgrains	0	0	0	0	0	0	0	0	0
c)Others	19	105	124	16	112	128	12	120	132
<b>2)Neendakara</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>3)Kovlam-Vizanjam</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>
a)Others	0	0	0	3	0	3	0	0	0
<b>ANDHRA PRADESH</b>									
<b>1.Rawa Port</b>	<b>0</b>	<b>1299</b>	<b>1299</b>	<b>0</b>	<b>1010</b>	<b>1010</b>	<b>0</b>	<b>970</b>	<b>970</b>
a)Crude Oil	0	1299	1299	0	1010	1010	0	970	970
<b>2.Kakinada Anchorage Port</b>	<b>0</b>	<b>55</b>	<b>55</b>	<b>0</b>	<b>48</b>	<b>48</b>	<b>0</b>	<b>51</b>	<b>51</b>
a)Salt	0	0	0	0	0	0	0	0	0
b)Building material	0	55	55	0	48	48	0	51	51
c)Others	0	0	0	0	0	0	0	0	0
<b>3.Kakinada Deep Water</b>	<b>2742</b>	<b>19</b>	<b>2761</b>	<b>1589</b>	<b>63</b>	<b>1652</b>	<b>454</b>	<b>64</b>	<b>517</b>
a)POL&other Products	118	0	118	318	0	318	435	0	435
b)Chemical	0	0	0	11	0	11	10	0	10
c)Coal	2564	0	2564	1075	0	1075	9	0	9
d)Iron Ore	0	0	0	0	0	-	0	0	0
e)Other	60	19	79	185	63	248	0	64	64
<b>4.Gangavaram</b>	<b>0</b>	<b>270</b>	<b>270</b>	<b>272</b>	<b>1280</b>	<b>1552</b>	<b>679</b>	<b>2625</b>	<b>3304</b>
a)Iron Ore	0	270	270	210	1280	1490	481	2211	2692
b)Other	0	0	0	62	0	62	198	414	612

**Table 2.2.4  
(Contd...)**

**Commodity-wise Coastal Cargo Traffic Handled At Select  
Non-Major Ports - 2015-16, 2016-17 & 2017-18**

(’000 Tonnes)

Port/Commodity	2015-16			2016-17			2017-18		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
1	2	3	4	5	6	7	8	9	10
<b>5.Krishnapatinam</b>	<b>5663</b>	<b>181</b>	<b>5844</b>	<b>6581</b>	<b>78</b>	<b>6659</b>	<b>6339</b>	<b>32</b>	<b>6371</b>
a)POL&other Products	0	0	0	0	0	0	0	0	0
b)Chemical	0	0	0	0	0	0	0	0	0
c)Coal	5596	28	5624	6281	78	6359	6234	30	6264
d)Iron Ore	-	150	150	258	0	258	54	0	54
e)Other	67	3	70	42	0	42	51	2	53
<b>TAMIL NADU</b>									
<b>1.py-03</b>	0	0	0	0	0	0	0	0	0
a)POL&other Products	0	0	0	0	0	0	0	0	0
<b>2.Nagapattinam</b>	<b>3</b>	<b>266</b>	<b>269</b>	<b>25</b>	<b>238</b>	<b>263</b>	<b>79</b>	<b>365</b>	<b>444</b>
a)POL&other Products	0	263	263	25	237	262	56	363	419
b)Others	3	3	6	0	1	1	23	2	25
<b>3.Thirukkadaiyur</b>	<b>25</b>	<b>0</b>	<b>25</b>	<b>40</b>	<b>0</b>	<b>40</b>	<b>4</b>	<b>0</b>	<b>4</b>
a)POL&other Products	25	0	25	40	0	40	4	0	4
b)Others	0	0	0	0	0	0	0	0	0
<b>KARNATAKA</b>									
<b>1.Karwar</b>	<b>161</b>	<b>0</b>	<b>161</b>	<b>209</b>	<b>0</b>	<b>209</b>	<b>280</b>	<b>0</b>	<b>280</b>
a)Salt	0	0	0	98	0	98	98	0	98
b)Others	161	0	161	161	0	161	182	0	182
<b>2.Mangalore</b>	<b>10</b>	<b>109</b>	<b>119</b>	<b>10</b>	<b>111</b>	<b>121</b>	<b>1</b>	<b>79</b>	<b>81</b>
a)Other Minerals	0	0	0	0	0	0	0	0	0
b)Building Material	0	81	81	0	86	86	0	44	44
c)Others	10	28	38	10	25	35	1	36	37
<b>PUDUCHERRY</b>									
<b>1)Karaikal</b>	<b>267</b>	<b>0</b>	<b>267</b>	<b>763</b>	<b>685</b>	<b>1448</b>	<b>156</b>	<b>2</b>	<b>158</b>
a)POL&Other Products	267	0	267	264	0	264	156	0	156
a)Others	0	0	0	499	685	1184	0	2	2
<b>ANDAMAN &amp; NICOBAR</b>	<b>999</b>	<b>279</b>	<b>1278</b>	<b>939</b>	<b>289</b>	<b>1228</b>	<b>973</b>	<b>306</b>	<b>1280</b>
a)Building Material	342	137	479	276	110	386	224	100	324
b)POL&Other Products	185	6	191	167	1	168	184	2	185
c)Foodgrains	31	4	35	20	3	23	14	2	17
d)Others	441	132	573	476	175	651	551	202	753
<b>Lakshadweep</b>	-	-	-	-	-	-	-	-	-
a)Building Material	-	-	-	-	-	-	-	-	-
b)POL&Other Products	-	-	-	-	-	-	-	-	-
c)Foodgrains	-	-	-	-	-	-	-	-	-
d)Others	-	-	-	-	-	-	-	-	-

Source : State / UT Maritime Boards

**Table 2.2.5****Manpower Employment At Non-Major Ports - 2017-18**

(In No.)

States/UTs	Officers		Regular Workers		Casual Workers
	Sanctioned	Actual	Sanctioned	Actual	
1	2	3	4	5	6
Gujarat	289	185	2055	1066	-
Maharashtra	32	27	31	23	80
Goa	13	7	173	135	12
Daman & Diu	2	1	19	15	3
Karnataka *	238	53	-	-	-
Kerala	99	79	20	10	-
Tamil Nadu	82	22	83	27	12
Puducherry	121	118	154	115	1
Andhra Pradesh	1149	1149	1004	1004	9850
Andaman & Nicobar Islands	81	66	806	537	19
Odisha	114	114	371	371	7806
Lakshadweep	N.A	N.A	N.A	N.A	0
<b>Total</b>	<b>2220</b>	<b>1821</b>	<b>4716</b>	<b>3303</b>	<b>17783</b>

\* In Karnataka , No Departmental dock labour in Minor Ports.

All the labour activities are done by Private labourers appointed by Stevedores.

Source : State / UT Maritime Boards

Table 2.2.6

## Physical Performance of Non-Major Ports (2016-17 &amp; 2017-18)

Maritime State/U.Ts./Port	No. of Vessels Left		Turn Round Time (in Days)	
	2016-17	2017-18	2016-17	2017-18
1	2	3	4	5
<b>GUJARAT</b>				
Chemical port Terminal	262	262	1.0	1.0
Dahej	217	217	1.0	1.0
Hazira	60	60	1.3	1.3
Mundra(APSRL)	2820	2820	1.1	1.1
Tuna	59	59	4.1	4.1
Dahej(APPL)	101	101	3.6	3.6
Hazira(AHPPL)	955	955	1.7	1.7
Pipavav	840	840	-	-
<b>MAHARASHTRA</b>				
Bandra Group	0	0	-	-
Mora Group	0	0	-	-
Rajpuri Group	0	0	-	-
Ratnagiri Group	487	487	8.67	8.67
Vengurla Group	19	19	-	-
<b>KARNATAKA</b>				
Karwar	113	133	3.0	3.0
Malpe	3	4	1-2	1-2
Hangakatta	3	3	1-2	1-2
Mangalore	794	578	3-4	1-2
Kundapur	2	1	1-2	1-2
Belekeri	1	0	3.0	-
<b>TAMIL NADU</b>				
Nagapattinam	77	85	Neg	-
Tirukkadaiyur	10	1	1.0	1.0
Cuddalore	-	-	-	-
Cuddalore (Chemplast Jetty)	38	36	1.5	2.7
Ennore	7	5	2.0	2.0
Kattupalli	419	394	1-3	1-3
<b>GOA</b>				
Panaji	20	149	N.A	N.A
<b>ANDHRA PRADESH</b>				
Kakinada(Sea Port)	729	729	2.2	2.2
Kakinada(Anchorage)	81	81	N.A	N.A
Rawa	-	-	-	-
Krishnapatinam	1060	1060	3.1	3.1
Gangavaram	279	279	3-5	3-5
<b>KERALA</b>				
Kozhikode/Beyypore	437	399	4.5	4.5
Koavalam/Vizhinjam	42	-	2.0	-
Kollam	1	25	2.0	2.0
Azhikkal	3	-	2.0	-
<b>ODISHA</b>				
Dhamra	320	359	3.4	3.7
Gopalpur	46	45	3.8	3.1
<b>PUDUCHERRY</b>				
Karaikal	243	252	4.1	4.5
Chemplast	3	5	3.0	5.0
Puducherry	-	1	-	1.0
<b>ANDAMAN &amp; NICOBAR*</b>	12592	14039	-	-

\* Container vessel 1 -2 days, Cargo vessel 2 -3 days. POL/LPG Tanker 1 -2 days . Passenger cum cargo vessel 3 -4 days  
Source : State / UT Maritime Boards

## **SECTION – II**

### ***3. TIME SERIES STATISTICS***

#### ***3.1 ALL PORTS***

#### ***3.2 MAJOR PORTS***

#### ***3.3 NON-MAJOR PORTS***

Table 3.1.1

## Trend in Cargo Traffic Handled At Indian Ports

(In Million Tonnes)

Ports/ Years	Overseas			Coastal			Overseas & Coastal		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
1	2	3	4	5	6	7	8	9	10
<b>MAJOR PORTS</b>									
2001-02	130.12	76.77	206.89	47.03	33.66	80.69	177.15	110.43	287.58
2002-03	133.83	93.52	227.35	48.21	37.99	86.20	182.04	131.51	313.55
2003-04	148.13	110.66	258.79	48.53	37.48	86.01	196.66	148.14	344.80
2004-05	169.42	126.20	295.62	47.02	41.12	88.14	216.44	167.32	383.76
2005-06	199.48	133.64	333.12	44.22	46.23	90.45	243.70	179.87	423.57
2006-07	225.55	143.26	368.81	52.57	42.40	94.97	278.12	185.66	463.78
2007-08	253.16	165.76	418.92	57.50	42.89	100.39	310.66	208.65	519.31
2008-09	260.97	166.49	427.46	57.70	45.65	103.34	318.67	212.14	530.80
2009-10	286.50	167.52	454.02	58.93	48.14	107.07	345.43	215.66	561.08
2010-11	296.31	168.86	465.17	55.64	49.29	104.93	351.95	218.15	570.10
2011-12	306.76	147.56	454.32	55.98	49.89	105.87	362.74	197.45	560.19
2012-13	315.20	123.63	438.83	53.90	53.10	107.01	369.10	176.73	545.83
2013-14	318.66	122.18	440.83	59.77	54.89	114.66	378.43	177.06	555.49
2014-15	355.63	106.24	461.87	65.67	53.81	119.48	421.29	160.05	581.34
2015-16	379.70	101.02	480.72	66.84	58.33	125.17	446.54	159.35	605.89
2016-17	381.07	133.00	514.07	74.39	60.02	134.40	455.46	193.02	648.47
2017-18	391.24	133.49	524.73	86.13	68.61	154.74	477.36	202.11	679.47
<b>NON-MAJOR PORTS</b>									
2001-02	49.18	19.76	68.94	10.45	16.13	26.58	59.63	35.89	95.52
2002-03	50.85	27.16	78.01	14.06	16.23	30.29	64.91	43.39	108.30
2003-04	56.38	31.15	87.53	14.18	17.15	31.33	70.56	48.30	118.86
2004-05	65.47	39.50	104.97	15.52	16.47	31.99	80.99	55.97	136.96
2005-06	69.58	48.69	118.27	16.47	15.38	31.85	86.05	64.07	150.12
2006-07	90.76	49.34	140.11	17.50	27.32	44.82	108.26	76.66	184.92
2007-08	107.04	70.27	177.31	16.87	12.20	29.07	123.91	82.47	206.38
2008-09	117.76	65.78	183.54	18.51	11.17	29.68	136.27	76.95	213.22
2009-10	159.89	83.62	243.51	24.71	20.72	45.43	184.60	104.34	288.94
2010-11	175.63	91.49	267.12	27.75	20.49	48.24	203.38	111.98	315.36
2011-12	210.17	90.38	300.55	28.68	24.51	53.19	238.85	114.89	353.74
2012-13	249.38	83.55	332.93	31.73	23.26	54.99	281.12	106.81	387.92
2013-14	280.00	90.27	370.27	33.89	12.81	46.70	313.88	103.09	416.97
2014-15	325.10	92.60	417.70	31.63	21.56	53.19	356.73	114.16	470.89
2015-16	317.31	94.53	411.84	31.25	22.79	54.04	348.55	117.32	465.87
2016-17	319.49	99.01	418.50	35.81	30.90	66.72	355.30	129.92	485.21
2017-18	342.79	108.02	450.81	43.74	34.53	78.28	386.54	142.55	529.09
<b>ALL PORTS</b>									
2001-02	179.30	96.53	275.83	57.48	49.79	107.27	236.78	146.32	383.10
2002-03	184.68	120.68	305.36	62.27	54.22	116.49	246.95	174.90	421.85
2003-04	204.51	141.81	346.32	62.71	54.63	117.34	267.22	196.44	463.66
2004-05	234.89	165.70	400.59	62.54	57.59	120.13	297.43	223.29	520.72
2005-06	269.06	182.33	451.39	60.69	61.61	122.30	329.75	243.94	573.69
2006-07	316.31	192.60	508.91	70.07	69.72	139.79	386.38	262.32	648.70
2007-08	360.20	236.03	596.23	74.37	55.09	129.46	434.57	291.12	725.69
2008-09	378.73	232.27	611.00	76.21	56.82	133.02	454.94	289.09	744.02
2009-10	446.39	251.14	697.53	83.64	68.86	152.50	530.03	320.00	850.02
2010-11	471.94	260.35	732.29	83.39	69.78	153.17	555.33	330.13	885.46
2011-12	516.93	237.94	754.87	84.66	74.40	159.06	601.59	312.34	913.93
2012-13	564.58	207.17	771.76	85.63	76.36	162.00	650.22	283.54	933.75
2013-14	598.66	212.45	811.11	93.66	67.70	161.35	692.31	280.15	972.46
2014-15	680.73	198.84	879.56	97.29	75.38	172.67	778.02	274.21	1052.23
2015-16	697.00	195.56	892.56	98.09	81.12	179.20	795.09	276.67	1071.76
2016-17	700.56	232.01	932.57	110.20	90.92	201.12	810.75	322.93	1133.69
2017-18	734.03	241.51	975.54	129.87	103.15	233.02	863.90	344.66	1208.56

**Table 3.1.2 Cargo Traffic Handled At Indian Ports - By State**

**(In '000 Tonnes)**

Port/State/Type of Traffic	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
1	2	3	4	5	6	7	8	9	10	11	12	13	14
<b>GUJARAT</b>	149434	184247	215441	225035	285083	312787	341551	381436	396950	428592	439236	451181	480868
Deendayal	45907	52982	64920	72224	79500	81880	82501	93619	87005	92497	99458	105442	110099
Other Ports	103527	131265	150521	152811	205583	230907	259050	287817	309945	336095	339778	345739	370769
Overseas	123660	146295	192185	199107	242187	269049	293675	332241	360005	388120	397416	405611	427913
Coastal	25774	37952	23256	25928	42896	43738	47876	49195	36945	40472	41820	45570	52955
Loaded	47821	56420	64601	60201	78063	98045	105648	114966	106602	119328	121522	124516	138375
Unloaded	101613	127827	150840	164834	207020	214742	235903	266470	290348	309264	317714	326665	342493
<b>MAHARASHTRA</b>	93182	108759	124239	119588	127350	133778	141863	146724	146181	152756	153995	160174	166812
Mumbai	44190	52364	57038	51876	54541	54586	56186	58038	59184	61660	61119	63129	62902
J.L.Nehru	37836	44815	55838	57296	60763	64317	65730	64488	62333	63801	64027	62151	66004
Other Ports	11156	11580	11363	10416	12046	14875	19947	24198	24664	27295	28849	34894	37906
Overseas	70003	83450	95041	90191	97925	105071	115242	119426	115954	116691	123351	118068	115790
Coastal	23179	25309	29198	29397	29425	28707	26621	27298	30227	36065	30644	42106	51022
Loaded	37379	36029	40739	40801	37079	41536	44571	44819	42718	42112	40086	41570	42453
Unloaded	55803	72730	83509	78787	90271	92242	97292	101905	103463	110644	113909	118604	124359
<b>GOA</b>	43450	48547	47953	53582	62744	64641	53519	21127	12023	15471	21206	33298	26969
Mormugao	31688	34241	35128	41681	48847	50060	39049	17738	11739	14711	20776	33181	26897
Other Ports	11762	14306	12825	11901	13897	14581	14470	3389	284	760	430	117	72
Overseas	42452	47685	46832	52550	61196	63404	52384	20373	11298	14250	20105	32137	25176
Coastal	998	862	1121	1032	1548	1237	1135	754	725	1221	1101	1161	1793
Loaded	37043	41218	40679	46570	54634	55328	44222	11944	2334	3677	5667	17435	12510
Unloaded	6407	7329	7274	7012	8110	9313	9297	9183	9689	11794	15539	15863	14459
<b>DAMAN &amp; DIU</b>	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Ports	-	-	-	-	-	-	-	-	-	-	-	-	-
Overseas	-	-	-	-	-	-	-	-	-	-	-	-	-
Coastal	-	-	-	-	-	-	-	-	-	-	-	-	-
Loaded	-	-	-	-	-	-	-	-	-	-	-	-	-
Unloaded	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 3.1.2  
(Contd...)

**Cargo Traffic Handled At Indian Ports - By State**

(In '000 Tonnes)

Port/State/Type	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	
of Traffic														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
<b>KARNATAKA</b>	38568	38603	44918	41659	44075	34645	33533	37646	39874	37217	36417	40643	42739	
New Mangalore	34451	32042	36019	36691	35528	31550	32941	37036	39365	36566	35582	39936	42059	
Other Ports	4117	6561	8899	4968	8547	3095	592	610	509	651	835	707	680	
Overseas	30673	30640	38627	35482	36790	27684	27462	31261	33849	32108	30988	32090	32170	
Coastal	7895	7963	6291	6177	7285	6991	6071	6385	6025	5109	5429	8553	10569	
Loaded	21700	20326	25095	21613	22215	13094	9682	10028	10230	8543	7979	9003	9896	
Unloaded	16868	18277	19823	20046	21860	21251	23851	27618	29644	28674	28438	31640	32843	
<b>KERALA</b>	14023	15429	15914	15625	17548	17997	20194	19941	20976	21754	22239	25148	29281	
Cochin	13888	15257	15810	15494	17429	17873	20090	19845	20886	21595	22095	25007	29143	
Other Ports	135	172	104	131	119	124	104	96	90	159	144	141	138	
Overseas	9842	10862	10670	11111	11898	13159	13306	13236	13110	14740	14784	17944	20492	
Coastal	4181	4567	5244	4514	5650	4838	6888	6705	7866	7014	7455	7204	8789	
Loaded	2971	3533	3708	2794	3680	3999	4400	3913	4262	4162	4030	4878	5906	
Unloaded	11052	11896	12206	12831	13868	13998	15794	16028	16714	17592	18209	20270	23375	
<b>TAMILNADU</b>	74266	82934	91084	91900	96721	99807	99978	100482	107950	116031	119969	119849	120014	
V.O.Chidambaranar	17139	18001	21480	22011	23787	25727	28105	28260	28642	32414	36849	38463	36583	
Chennai	47248	53414	57154	57491	61057	61460	55707	53404	51105	52541	50058	50214	51881	
Kamarajar	9168	10714	11563	11500	10703	11009	14956	17885	27337	30251	32206	30020	30446	
Other Ports	711	805	887	898	1174	1611	1210	933	866	825	856	1152	1103	
Overseas	53198	62038	70809	71367	75856	79169	79509	79509	84936	92511	90432	91455	86752	
Coastal	21068	20896	20275	20533	20865	20638	20469	20973	23014	23520	29537	28394	33262	
Loaded	24602	29156	32759	29896	29349	30014	29039	29534	28968	30087	29894	30129	31197	
Unloaded	49664	53778	58325	62004	67372	69793	70939	70948	78982	85944	90075	89720	88817	
<b>PONDICHERY</b>	96	34	10	47	1316	4728	6421	6909	6281	4958	5974	9112	8121	
Other Ports	96	34	10	47	1316	4728	6421	6909	6281	4958	5974	9112	8121	
Overseas	85	34	10	47	1316	4728	6408	6867	6244	4588	5707	7664	7964	
Coastal	11	-	-	-	-	-	13	42	37	370	267	1448	157	
Loaded	56	18	-	-	38	101	181	473	343	137	138	711	691	
Unloaded	40	16	10	47	1278	4627	6240	6436	5938	4821	5836	8401	7430	
<b>ANDHRA PRADESI</b>	73475	74994	83887	93628	109191	111308	113053	110849	117196	141422	129768	130623	149822	
Visakhapatnam	55801	56385	64597	63908	65501	68041	67420	59038	58504	58004	57035	61020	63537	
Other Ports	17674	18609	19290	29720	43690	43267	45633	51811	58692	83418	72733	69603	86285	
Overseas	54394	53676	60938	69929	85364	85177	84675	87211	93254	117496	104829	101851	122641	
Coastal	19081	21318	22949	23699	23827	26131	28378	23638	23942	23926	24939	28772	27181	
Loaded	34006	33486	38779	42381	49727	45180	40790	34972	36946	29705	27003	37492	39738	
Unloaded	39469	41508	45108	51247	59464	66128	72263	75877	80250	111717	102765	93131	110084	



Table 3.1.2  
(Contd...)

## Cargo Traffic Handled At Indian Ports - By State

(In '000 Tonnes)

Port/State/Type	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	
of Traffic	1	2	3	4	5	6	7	8	9	10	11	12	13	14
<b>ORISSA</b>	33109	38517	42732	46707	57476	56503	59338	67620	82374	86463	91346	111432	124623	
Paradip	33109	38517	42437	46412	57011	56038	54254	56552	68003	71011	76397	88959	102028	
Other Ports	-	-	295	295	465	465	5084	11068	14371	15452	14949	22473	22595	
Overseas	23051	26777	30191	33958	45180	45118	46361	47967	57004	60231	61920	81983	89047	
Coastal	10058	11740	12541	12749	12296	11385	12977	19653	25370	26232	29426	29449	35576	
Loaded	21685	24855	25672	26615	28127	25107	18281	19771	31477	47666	29156	42965	48047	
Unloaded	11424	13662	17060	20092	29349	31396	41057	47849	50897	38797	62190	68467	76576	
<b>WEST BENGAL</b>	53143	55050	57329	54220	46423	47545	43248	39928	41386	46293	50289	50951	57891	
KDS	10806	12596	13741	12428	13045	12540	12233	11844	12875	15283	16782	16810	17390	
HDC	42337	42454	43588	41792	33378	35005	31015	28084	28511	31010	33507	34141	40501	
Other Ports	-	-	-	-	-	-	-	-	-	-	-	-	-	
Overseas	44025	47447	50912	47187	39334	39388	35837	33660	35400	38811	42982	43718	47458	
Coastal	9118	7603	6417	7033	7089	8157	7411	6268	5986	7482	7307	7233	10433	
Loaded	16405	16735	18288	17547	16572	17030	15280	12911	13962	10044	10912	13944	15541	
Unloaded	36738	38315	39041	36673	29851	30515	27968	27017	27424	36249	39377	37007	42350	
<b>SEA-ISLANDS</b>	941	1590	2185	2035	2100	1705	1234	1092	1268	1275	1323	1276	1418	
Other Ports	941	1590	2185	2035	2100	1705	1234	1092	1268	1275	1323	1276	1418	
Overseas	4	6	9	76	486	342	10	7	51	17	45	48	138	
Coastal	937	1584	2176	1959	1614	1337	1224	1085	1217	1258	1278	1228	1280	
Loaded	275	544	809	675	516	352	195	205	305	269	279	289	306	
Unloaded	666	1046	1376	1360	1584	1353	1039	887	963	1006	1044	987	1112	
<b>ALL INDIA</b>	573687	648704	725692	744026	850027	885444	913932	933754	972459	1052232	1071762	1133687	1208559	
Major Ports	423568	463782	519313	530804	561090	570086	560187	545831	555489	581344	605891	648473	679470	
Other Ports	150119	184922	206379	213222	288937	315358	353745	387923	416970	470888	465871	485214	529089	
Overseas	451387	508910	596224	611005	697532	732289	754869	771758	811105	879563	892559	932569	975542	
Coastal	122300	139794	129468	133021	152495	153159	159063	161996	161354	172669	179203	201118	233017	
Loaded	243943	262320	291129	289093	320000	329786	312289	283536	278147	295730	276666	322932	344661	
Unloaded	329744	386384	434572	454933	530027	555358	601643	650218	694312	756502	795096	810755	863898	

Note: 1 'Other Ports' means Non-Major Ports.

2 Sea Islands comprises of Lakshadweep and A&amp;N Islands.

**Table 3.1.3**
**Cargo Unloaded (Overseas & Coastal) At Indian Ports - By State**

('000 Tonnes)

Port/State/Type of Traffic	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<b>GUJARAT</b>															
Kandla	32006	35731	41246	48404	54200	61893	61241	60412	63402	61298	69737	78872	81591	81693	
Other Ports	59307	65882	86581	102436	110634	145127	153502	175491	203068	227050	239527	238842	245074	260800	
Total	91313	101613	127827	150840	164834	207020	214743	235903	266470	288348	309264	317714	326665	342493	
Overseas	78664	87723	114032	137352	150376	187390	193891	214117	244380	265200	288934	298482	302649	315733	
Coastal	12649	13890	13795	13488	14458	19630	20852	21786	22090	23148	20330	19232	24016	26760	
<b>MAHARASHTRA</b>															
Mumbai	23061	26867	39067	44540	42915	46826	46527	47776	47824	50331	53141	54076	54612	55046	
J. L. Nehru	16633	19516	23270	29434	28166	32382	33414	33218	33692	31233	34553	35359	34982	37362	
Other Ports	10533	9420	10393	9526	7706	11063	12269	16298	20389	21899	22950	24474	29010	31951	
Total	50227	55803	72730	83500	78787	90271	92210	97292	101905	103463	110644	113909	118604	124359	
Overseas	39558	47210	55846	62069	56983	68231	70526	77379	82376	78836	83045	91276	87803	84403	
Coastal	10669	8593	16884	21439	21804	22040	21684	19913	19529	24627	27599	22633	30801	39956	
<b>GOA</b>															
Mormugao	5631	6074	7050	7185	7012	7892	9200	9132	9070	9405	11381	15369	15848	14449	
Other Ports	251	333	279	89	0	218	113	165	113	284	413	170	15	10	
Total	5882	6407	7329	7274	7012	8110	9313	9297	9183	9689	11794	15539	15863	14459	
Overseas	5035	5852	6705	6636	6395	7088	8389	8477	8560	9166	11110	14806	15030	13398	
Coastal	847	555	624	638	617	1022	924	820	623	523	684	733	833	1061	
<b>KARNATAKA</b>															
New Mangalore	15512	16519	17922	19625	19964	21569	21066	23684	27322	29254	28326	27981	31124	32243	
Other Ports	445	349	355	198	82	291	185	167	296	390	348	457	516	600	
Total	15957	16868	18277	19823	20046	21860	21251	23851	27618	29644	28674	28438	31640	32843	
Overseas	11641	12758	13528	16759	16815	18096	17601	20358	23517	26021	25860	25662	26110	25161	
Coastal	4316	4110	4749	3064	3231	3764	3650	3493	4101	3623	2814	2776	5530	7682	
<b>KERALA</b>															
Cochin	10950	10968	11785	12189	12783	13834	13960	15775	16012	16696	17536	18182	20248	23363	
Other Ports	46	84	111	17	48	34	38	17	16	18	56	28	22	12	
Total	10996	11052	11896	12206	12831	13868	13998	15792	16028	16714	17592	18210	20270	23375	
Overseas	8331	8044	8959	8529	9343	9570	10227	10563	10799	10611	12322	12147	14595	17444	
Coastal	2665	3008	2937	3677	3488	4298	3771	5229	5229	6103	5270	6063	5675	5931	
<b>TAMIL NADU</b>															
V.O.Chidambaranar	12060	13375	13502	15472	16370	18652	18394	19561	19854	20978	23993	27367	27997	26171	
Chennai	24745	27203	30759	32859	34645	38114	40325	36815	34374	32533	33688	32537	33332	34210	
Kamarajar	8960	8631	8990	9373	10389	9767	9957	13712	16146	24922	27664	29602	27547	27829	
Other Port	547	455	527	621	600	839	1117	851	574	549	599	569	844	607	
Total	46312	49664	53778	58325	62004	67372	69793	70939	70948	78982	85944	90075	89720	88817	
Overseas	25179	30941	34659	39721	43203	48276	51041	52035	51749	57761	63866	62830	64312	59107	
Coastal	21133	18723	19119	18604	18801	19096	17635	18904	19199	21221	22078	27245	25408	29710	

**Table 3.1.3  
(Contd...)**

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

('000 Tonnes)

Port/State/Type of Traffic	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	
	1	3	4	5	6	7	8	9	10	11	12	13	14	15	16
<b>PONDICHERRY</b>															
Other Ports	33	40	16	10	47	1278	4627	6240	6436	5938	4821	5836	8401	7431	
Total	33	40	16	10	47	1278	4627	6240	6436	5938	4821	5836	8401	7431	
Overseas	33	40	16	10	47	1278	4627	6240	6436	5938	4499	5569	7638	7275	
Coastal	-	-	-	-	-	-	-	-	-	-	322	267	763	156	
<b>ANDHRA PRADESH</b>															
Visakhapatnam	25232	30651	32555	35675	35660	35477	36128	38691	35274	33683	38760	39586	37281	41146	
Other Ports	9165	8818	8953	9433	15587	23987	30000	33572	40603	46567	72957	63179	55850	68938	
Total	34397	39469	41508	45108	51247	59464	66128	72263	75877	80250	111717	102765	93131	110084	
Overseas	29206	33185	35140	38045	43889	52727	59427	64484	66651	71265	100759	90310	81319	99300	
Coastal	5191	6284	6368	7063	7358	6737	6701	7779	9226	8985	10958	12455	11812	10784	
<b>ORISSA</b>															
Paradip	8438	11424	13662	16854	19891	29175	31222	35993	39116	40672	46265	48230	53887	61502	
Other Ports	-	-	-	206	201	174	174	5064	8733	10225	14051	13954	14580	15074	
Total	8438	11424	13362	17060	20092	29349	31396	41057	47849	50897	60316	62184	68467	76576	
Overseas	7931	10950	12626	15309	18683	27683	29832	38854	45581	48734	58440	60574	67802	75710	
Coastal	507	474	836	1751	1409	1666	1564	2203	2268	2163	1876	1610	665	865	
<b>WEST BENGAL</b>															
KDS	8201	8628	9780	10362	8800	8269	7258	7003	6471	6711	26432	10541	10118	10632	
HDC	25005	28110	28535	28679	27873	21582	23257	20965	20546	20713	9817	28836	26889	31718	
Other Ports	-	-	-	-	-	-	-	0	0	0	0	0	0	0	
Total	33206	36738	38315	39041	36673	29851	30515	27968	27017	27424	36249	39377	37007	42350	
Overseas	29298	32346	34594	35761	32920	25577	25734	24409	24528	25073	31875	35293	33253	36358	
Coastal	3908	4392	3721	3280	3753	4274	4781	3559	2489	2351	4374	4084	3754	5992	
<b>SEA-ISLAND</b>															
Other Ports	661	666	1046	1376	1360	1584	1353	986	887	963	1006	1044	987	1111	
Total	661	666	1046	1376	1360	1584	1353	986	887	963	1006	1044	987	1111	
Overseas	5	4	6	9	76	476	342	10	7	51	17	45	48	138	
Coastal	656	662	1040	1367	1284	1108	1011	976	880	912	989	999	939	973	
<b>ALL INDIA</b>															
MAJOR PORTS	216434	243697	278123	310651	318668	345432	351949	362737	369103	378429	421293	446538	455456	477363	
Other Ports	80988	86047	108261	123912	136265	184595	203378	238851	281115	313883	356728	348553	355299	386535	
Total	297422	329744	386384	434563	454933	530027	555327	601588	650218	692312	778021	795091	810755	863898	
Overseas	234881	269053	316311	360200	378730	446392	471637	516926	564584	598656	680727	696994	700559	734027	
Coastal	62541	60691	70073	74363	76203	83635	83690	84662	85634	93656	97294	98097	110196	129871	

Note: 1 'Other Ports' means Non-Major Ports

2 Sea Islands comprises of Lakshadweep & A & N Islands.

Table 3.1.4

## Cargo Loaded (Overseas &amp; Coastal) At Indian Ports - By State

('000 Tonnes)

Port / State	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<b>GUJARAT</b>														
Kandla	9545	10176	11736	16516	18024	17607	20639	22089	30217	25707	22760	20586	23851	28406
Other Ports	36834	37645	44684	48085	42177	60456	77405	83559	84749	82895	96568	100936	100665	109969
Total	46379	47821	56420	64601	60201	78063	98044	105648	114966	108602	119328	121522	124516	138375
Overseas	33027	35937	32263	54833	48731	54797	75158	79559	87861	94805	99186	98934	102962	112180
Coastal	13352	11884	24157	9768	11470	23266	22886	26089	27105	13797	20142	22588	21554	26195
<b>MAHARASHTRA</b>														
Mumbai	12126	17323	13297	12489	8961	7715	8059	8410	10214	8853	8519	7043	8517	7856
J. L. Nehru	16175	18320	21545	26404	29130	28381	30903	32512	30796	31100	29248	28668	27169	28642
Other Ports	1610	1736	1187	1837	2710	983	2606	3649	3809	2765	4345	4375	5884	5955
Total	29911	37379	36029	40730	40801	37079	41568	44571	44819	42718	42112	40086	41570	42453
Overseas	20918	22793	27604	32972	33208	29694	34545	37863	37050	37118	33646	32076	30265	31387
Coastal	8993	14586	8425	7759	7593	7385	7023	6708	7769	5600	8466	8010	11305	11066
<b>GOA</b>														
Mormugao	25028	25614	27191	27943	34669	40955	40860	29917	8668	2334	3330	5407	17333	12448
Other Ports	7950	11429	14027	12736	11901	13679	14468	14305	3276	0	347	260	102	62
Total	32978	37043	41218	40679	46570	54634	55328	44222	11944	2334	3677	5667	17435	12510
Overseas	32676	36600	40980	40196	46155	54108	55015	43907	11813	2132	3140	5299	17107	11778
Coastal	302	443	238	483	415	526	313	315	131	202	537	368	328	732
<b>KARNATAKA</b>														
New Mangalore	18379	17932	14120	16394	16727	13959	10484	9257	9714	10111	8240	7601	8812	9816
Other Ports	3061	3768	6206	8701	4886	8256	2910	425	314	119	303	378	191	80
Total	21440	21700	20326	25095	21613	22215	13394	9682	10028	10230	8543	7979	9003	9896
Overseas	17182	17915	17112	21868	18667	18694	10083	7104	7744	7828	6248	5326	5980	7009
Coastal	4258	3785	3214	3227	2946	3521	3311	2578	2284	2402	2295	2653	3023	2887
<b>KERALA</b>														
Cochin	3153	2920	3472	3621	2711	3595	3913	4315	3833	4190	4059	3913	4759	5780
Other Ports	35	51	61	87	83	85	86	87	80	72	103	116	119	126
Total	3188	2971	3533	3708	2794	3680	3999	4402	3913	4262	4162	4029	4878	5906
Overseas	2034	1798	1903	2141	1768	2328	2932	2743	2437	2499	2418	2637	3349	3048
Coastal	1154	1173	1630	1567	1026	1352	1067	1659	1476	1763	1744	1392	1529	2858
<b>TAMIL NADU</b>														
V.O.Chidambanar	3751	3764	4499	6008	5641	5135	7333	8544	8406	7664	8421	9482	10466	10412
Chennai	19061	20045	22655	24295	22846	22943	21135	18892	19030	18572	18853	17521	16882	17671
Kamarajar	520	537	1724	2190	1111	936	1052	1244	1739	2415	2587	2604	2473	2618
Other Ports	307	256	278	266	298	335	494	359	359	317	226	287	308	496
Total	23639	24602	29156	32759	29896	29349	30014	29039	29534	28968	30087	29894	30129	31197
Overseas	21476	22257	27379	31088	28164	27580	33069	27474	27760	27175	28645	27602	27143	27645
Coastal	2163	2345	1777	1671	1732	1769	2192	1565	1774	1793	1442	2292	2986	3552

**Table 3.1.4  
(Contd...)**

**Cargo Loaded (Overseas & Coastal) At Indian Ports - By State**

('000 Tonnes)

Port / State	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<b>PONDICHERRY</b>															
Other Ports	26	56	18	-	-	38	101	181	473	343	137	138	711	691	
Total	26	56	18	-	-	38	101	181	473	343	137	138	711	691	
Overseas	26	45	18	-	-	38	101	168	431	306	89	138	26	689	
Coastal	-	11	-	-	-	-	-	13	42	37	48	0	685	2	
<b>ANDHRA PRADESH</b>															
Visakhapatnam	24916	25150	23830	28922	28248	30024	31913	28729	23764	24821	19244	17449	23739	22391	
Other Ports	5902	8856	9656	9857	14133	19703	13267	12061	11208	12125	10461	9554	13753	17347	
Total	30818	34006	33486	38779	42381	49727	45180	40790	34972	36946	29705	27003	37492	39738	
Overseas	18927	21209	18536	22893	26040	32637	25750	20191	20560	21989	16737	14509	20532	23341	
Coastal	11891	12797	14950	15886	16341	17090	19430	20599	14412	14957	12968	12494	16960	16397	
<b>ORISSA</b>															
Paradip	21666	21685	24855	25583	26521	27836	24810	18261	17436	27331	24746	28167	35072	40526	
Other Ports	-	-	-	89	94	291	291	20	2335	4146	1401	995	7893	7521	
Total	21666	21685	24855	25672	26615	28127	25101	18281	19771	31477	26147	29162	42965	48047	
Overseas	10649	12101	13951	14882	15275	17497	15286	7507	2386	8270	1791	1346	14182	13336	
Coastal	11017	9584	10904	10790	13340	10630	9821	10774	17385	23207	24356	27816	28783	34711	
<b>WEST BENGAL</b>															
KDS	1744	2178	2816	3379	3628	4776	5282	10050	5373	6164	4578	6241	6692	6758	
HDC	11257	14227	13919	14909	13919	11796	11748	5230	7538	7798	5466	4671	7252	8783	
Other Ports	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total	13001	16405	16735	18288	17547	16572	17030	15280	12911	13962	10044	10912	13944	15541	
Overseas	8788	11679	12853	15151	14267	13757	13654	11428	9132	10327	6936	7689	10465	11100	
Coastal	4213	4726	3882	3137	3280	2815	3376	3852	3779	3635	3108	3223	3479	4441	
<b>SEA-ISLANDS</b>															
Other Ports	247	275	544	809	675	516	352	248	205	305	269	279	289	306	
Total	247	275	544	809	675	516	352	248	205	305	269	279	289	306	
Overseas	-	-	-	-	-	10	-	-	-	-	0	0	0	0	
Coastal	247	275	544	809	675	506	352	248	205	305	269	279	289	306	
<b>ALL INDIA</b>															
Major Ports	167321	179871	185659	208653	212136	215658	218137	197450	176728	177060	160051	159353	193017	202107	
Other Ports	55972	64072	76661	82467	76957	104342	111980	114894	106808	103087	114160	117318	129915	142553	
Total	223293	243943	262320	291120	289093	320000	330117	312344	283536	280147	274211	276671	322932	344661	
Overseas	165703	182334	192599	236024	232275	251140	260346	238183	207174	212449	198836	195556	232011	241513	
Coastal	57590	61609	69721	55097	56818	68860	69771	74161	76362	67698	75375	81115	90921	103148	

Note: 1) 'Other Ports' means Non-Major Ports  
2) Sea Islands comprises of Lakshadweep & A & N Islands.

Table 3.2.1

## Trend in Total Traffic Handled at Major Ports

(Million Tonnes)

Year	Overseas			Coastal			Overseas & Coastal		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
1	2	3	4	5	6	7	8	9	10
1982-83	41.08	29.16	70.24	10.57	12.89	23.46	51.65	42.05	93.70
1983-84	38.80	29.07	67.87	13.41	15.10	28.51	52.21	44.17	96.38
1984-85	39.62	33.97	73.59	15.71	16.52	32.23	55.33	50.49	105.82
1985-86	45.82	36.73	82.55	22.16	14.91	37.07	67.98	51.64	119.62
1986-87	43.58	39.79	83.37	23.36	17.64	41.00	66.94	57.43	124.37
1987-88	49.95	40.15	90.10	23.39	21.11	44.50	73.34	61.26	134.60
1988-89	55.40	43.79	99.19	25.91	21.96	47.87	81.31	65.75	147.06
1989-90	54.13	45.26	99.39	26.72	21.46	48.18	80.85	66.72	147.57
1990-91	59.02	43.63	102.65	26.07	22.95	49.02	85.09	66.58	151.67
1991-92	59.91	44.89	104.80	26.66	25.18	51.84	86.57	70.07	156.64
1992-93	74.09	43.28	117.37	24.35	24.78	49.13	98.44	68.06	166.50
1993-94	76.02	53.48	129.50	24.81	24.71	49.52	100.83	78.19	179.02
1994-95	83.60	52.18	135.78	29.60	30.51	60.11	113.20	82.69	195.89
1995-96	94.86	57.24	152.10	31.79	31.32	63.11	126.65	88.56	215.21
1996-97	102.84	57.77	160.61	36.37	30.28	66.65	139.21	88.05	227.26
1997-98	117.43	62.25	179.68	38.55	33.43	71.98	155.98	95.68	251.66
1998-99	124.99	55.03	180.02	39.54	32.18	71.72	164.53	87.21	251.74
1999-00	133.80	56.63	190.43	49.92	31.62	81.54	183.72	88.25	271.97
2000-01	127.20	66.20	193.40	51.55	36.18	87.73	178.75	102.38	281.13
2001-02	130.12	76.77	206.89	47.03	33.66	80.69	177.15	110.43	287.58
2002-03	133.83	93.52	227.35	48.21	37.99	86.20	182.04	131.51	313.55
2003-04	148.13	110.66	258.79	48.53	37.48	86.01	196.66	148.14	344.80
2004-05	169.42	126.20	295.62	47.02	41.12	88.14	216.44	167.32	383.76
2005-06	199.48	133.64	333.12	44.22	46.23	90.45	243.70	179.87	423.57
2006-07	225.55	143.26	368.81	52.57	42.40	94.97	278.12	185.66	463.78
2007-08	253.16	165.76	418.92	57.49	42.90	100.39	310.65	208.66	519.31
2008-09	260.97	166.49	427.46	57.70	45.65	103.34	318.67	212.14	530.80
2009-10	286.50	167.52	454.02	58.93	48.14	107.07	345.43	215.66	561.09
2010-11	296.31	168.86	465.17	55.64	49.28	104.92	351.95	218.14	570.09
2011-12	306.76	147.80	454.56	55.98	49.65	105.63	362.74	197.45	560.19
2012-13	315.20	123.63	438.83	53.90	53.10	107.01	369.10	176.73	545.83
2013-14	318.66	122.18	440.83	59.77	54.89	114.66	378.43	177.06	555.49
2014-15	355.63	106.24	461.87	65.67	53.81	119.48	421.29	160.05	581.34
2015-16	379.70	101.03	480.72	66.84	58.33	125.17	446.54	159.35	605.89
2016-17	381.07	133.00	514.07	74.39	60.02	134.40	455.46	193.02	648.47
2017-18	391.24	133.49	524.73	86.13	68.61	154.74	477.36	202.10	679.47

Table 3.2.2

## Trend in Port-wise Cargo Traffic Handled at Major Ports

(In Million Tonnes)

Year	P O R T S												Total
	Deen dayal	Mumbai	J.L. Nehru	Mormugao	New Mangalore	Cochin	V. O. Chidambanar	Chennai	Kamarajar	Visakhapatnam	Paradip	Kolkata/Haldia	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
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
1995-96	30.34	33.92	6.87	18.09	8.88	11.50	9.29	30.72	-	32.82	11.26	21.52	215.21
1996-97	33.73	33.73	8.07	17.31	12.45	11.74	9.18	31.85	-	34.50	11.58	23.12	227.26
1997-98	38.90	32.10	8.90	21.18	15.28	12.32	9.98	35.53	-	36.01	13.30	28.16	251.66
1998-99	40.64	30.97	11.72	18.02	14.21	12.68	10.15	35.20	-	35.65	13.11	29.39	251.74
1999-00	46.30	30.41	14.98	18.23	17.60	12.84	9.99	37.44	-	39.51	13.64	31.03	271.97
2000-01	36.74	27.06	18.58	19.63	17.89	13.14	12.28	41.22	-	44.69	19.90	30.00	281.13
2001-02	37.73	26.43	22.52	22.93	17.50	12.06	13.02	36.12	3.40	44.34	21.13	30.40	287.58
2002-03	40.63	26.80	26.84	23.65	21.43	13.02	13.29	33.69	8.49	46.01	23.90	35.80	313.55
2003-04	41.52	30.00	31.19	27.87	26.67	13.57	13.68	36.71	9.28	47.74	25.31	41.26	344.80
2004-05	41.55	35.19	32.81	30.66	33.89	14.10	15.81	43.81	9.48	50.15	30.10	46.21	383.76
2005-06	45.91	44.19	37.84	31.69	34.45	13.89	17.14	47.25	9.16	55.80	33.11	53.14	423.57
2006-07	52.98	52.36	44.82	34.24	32.04	15.26	18.00	53.41	10.71	56.39	38.52	55.05	463.78
2007-08	64.92	57.04	55.84	35.13	36.02	15.81	21.48	57.15	11.56	64.60	42.44	57.33	519.31
2008-09	72.22	51.88	57.30	41.68	36.69	15.49	22.01	57.49	11.50	63.91	46.41	54.22	530.80
2009-10	79.50	54.54	60.76	48.85	35.53	17.43	23.79	61.06	10.70	65.50	57.01	46.42	561.09
2010-11	81.88	54.59	64.32	50.06	31.55	17.87	25.73	61.46	11.01	68.04	56.04	47.54	570.09
2011-12	82.50	56.19	65.73	39.05	32.94	20.09	28.11	55.71	14.96	67.42	54.25	43.25	560.19
2012-13	93.62	58.04	64.49	17.74	37.04	19.85	28.26	53.40	17.89	59.04	56.55	39.93	545.83
2013-14	87.01	59.18	62.33	11.74	39.37	20.89	28.64	51.11	27.34	58.50	68.00	41.39	555.49
2014-15	92.50	61.66	63.80	14.71	36.57	21.60	32.41	52.54	30.25	58.00	71.01	46.29	581.34
2015-16	99.46	61.12	64.03	20.78	35.58	22.10	36.85	50.06	32.21	57.03	76.40	50.29	605.89
2016-17	105.44	63.13	62.15	33.18	39.94	25.01	38.46	50.21	30.02	61.02	88.96	50.95	648.47
2017-18	110.10	62.90	66.00	26.90	42.06	29.14	36.58	51.88	30.45	63.54	102.03	57.89	679.47

Table 3.2.3

## Commodity-wise Cargo Traffic Handled at Major Ports

('000 Tonnes)

Year	POL (Crude & Products)	Fertiliser	Fertiliser Raw Material	Iron Ore	Coal	Food-grains	Others	Total
1	2	3	4	5	6	7	8	9
<b>ALL PORTS</b>								
1986-87	53070	2387	4075	30609	8551	1402	24272	124366
1987-88	58917	1417	4165	28748	12788	1672	26895	134602
1988-89	63166	1648	4738	32738	15468	3388	25915	147061
1989-90	61968	2921	5193	33186	17616	1493	25198	147575
1990-91	64004	2879	6064	31904	19659	1528	25627	151665
1991-92	67625	3153	6767	32101	22403	1539	23056	156644
1992-93	73959	3595	6318	29827	24488	2795	25515	166497
1993-94	77265	4183	5291	34096	26806	1964	29414	179019
1994-95	80753	4334	6667	34354	30798	1343	37641	195890
1995-96	90923	5727	6628	34562	33790	3852	39726	215208
1996-97	97854	3298	6633	33260	37530	3269	45413	227257
1997-98	104393	4797	7614	39611	42295	2904	50044	251658
1998-99	107574	4717	7837	34547	43605	3653	49805	251738
1999-00	117674	5641	8207	36382	43193	3003	57867	271967
2000-01	108382	3029	10305	40458	54524	1978	62455	281131
2001-02	103278	3492	10480	45764	51253	3914	69400	287581
2002-03	109570	2881	10285	50556	53040	8538	78683	313553
2003-04	122161	2855	8941	58853	54896	6839	90254	344799
2004-05	126441	3846	10670	76201	60647	3838	102112	383755
2005-06	142094	6624	10676	79217	68827	2133	113997	423568
2006-07	145878	7929	11139	80585	64634	4930	148687	463782
2007-08	167435	11874	6405	92298	68665	2990	169646	519313
2008-09	174203	12171	6106	92669	76925	2401	166329	530804
2009-10	174861	10941	6790	100892	71786	1196	178895	545361
2010-11	179882	12367	8431	87686	75146	1915	204659	570086
2011-12	173851	12218	8186	60719	78776	3279	223158	560187
2012-13	180725	7469	7328	27289	86804	6597	229619	545831
2013-14	180507	6148	7635	23037	93112	4794	240256	555489
2014-15	166657	7935	8463	16227	118360	3084	260608	581334
2015-16	186360	8493	7530	15315	134056	2373	251764	605891
2016-17	200225	7043	7014	41765	126177	6504	259745	648473
2017-18	213261	7523	7529	41170	126725	2396	280866	679470
<b>DEENDAYAL</b>								
1987-88	13395	207	191	...	...	812	3478	18083
1988-89	13238	235	204	...	...	580	3550	17807
1989-90	14354	302	730	...	...	436	3103	18925
1990-91	15062	308	737	...	...	585	2993	19685
1991-92	16503	365	936	...	...	940	2258	21002
1992-93	17951	448	945	...	...	600	2966	22910
1993-94	18157	824	1043	...	...	629	3847	24500
1994-95	18898	705	1174	...	...	689	5036	26502
1995-96	21126	676	1102	...	...	2038	5397	30339
1996-97	25061	366	1335	...	...	1951	5017	33730
1997-98	29036	732	1550	...	...	1386	6197	38901
1998-99	30468	588	1629	...	736	1697	5519	40637
1999-00	34612	1020	1746	...	829	1050	7046	46303
2000-01	25094	471	1694	...	624	1273	7585	36741
2001-02	22709	611	2129	...	381	2584	9314	37728
2002-03	23014	516	2429	...	255	5445	8974	40633
2003-04	23625	502	2169	...	244	4804	10179	41523
2004-05	22120	678	2441	...	229	2535	13548	41551
2005-06	24297	1678	2459	2	434	1379	15658	45907
2006-07	29711	2049	1944	234	704	2024	16316	52982
2007-08	38225	3916	160	419	1179	1373	19648	64920
2008-09	45538	5195	298	129	1874	1029	18161	72224
2009-10	46970	4912	788	661	3225	632	22312	79500
2010-11	48426	5807	583	817	3492	674	22081	81880
2011-12	46938	5297	761	991	4225	1291	22998	82501
2012-13	54544	3678	946	925	4438	3783	25305	93619
2013-14	53136	2642	991	586	6350	2732	20568	87005
2014-15	55589	3847	655	1160	9967	2223	19056	92497
2015-16	54994	4362	170	952	15001	812	23167	99458
2016-17	59516	3349	296	735	15555	586	25405	105442
2017-18	60452	3562	142	1371	13787	598	30187	110099



Table 3.2.3  
(Contd...)

## Commodity-wise Cargo Traffic Handled at Major Ports

('000 Tonnes)

Year	POL (Crude & Products)	Fertiliser	Fertiliser Raw Material	Iron Ore	Coal	Food-grains	Others	Total
1	2	3	4	5	6	7	8	9
<b>MUMBAI (a)</b>								
1987-88	19384	174	992	...	-	572	8446	29568
1988-89	19063	162	1266	...	-	860	7991	29342
1989-90	18210	141	1082	...	-	432	7881	27746
1990-91	19670	46	621	...	-	625	7937	28899
1991-92	19512	37	457	...	-	340	5915	26261
1992-93	20303	39	928	...	-	544	7232	29046
1993-94	20820	57	845	...	-	763	8021	30506
1994-95	18833	70	892	...	-	616	10262	30673
1995-96	21138	105	735	...	-	1209	10729	33916
1996-97	18712	50	673	...	-	114	14178	33727
1997-98	16732	60	818	...	-	24	14463	32097
1998-99	16671	96	806	...	-	30	13367	30970
1999-00	16785	140	749	...	-	141	12597	30412
2000-01	15641	139	561	...	-	186	10536	27063
2001-02	15710	108	552	...	-	123	9940	26433
2002-03	16039	125	339	...	-	163	10130	26796
2003-04	18576	113	406	...	-	129	10771	29995
2004-05	19396	161	413	...	-	224	14993	35187
2005-06	27781	171	424	...	1844	98	13872	44190
2006-07	24281	136	337	...	2533	857	24220	52364
2007-08	37074	102	231	...	2872	532	16227	57038
2008-09	34571	136	210	...	3676	479	12804	51876
2009-10	34538	201	241	...	3815	17	0	38812
2010-11	32990	155	300	...	6368	745	14028	54586
2011-12	30611	230	174	...	4622	894	19655	56186
2012-13	34751	156	356	...	4100	880	17795	58038
2013-14	35980	151	151	...	4221	703	17978	59184
2014-15	35837	172	276	...	4304	683	20388	61660
2015-16	35669	148	291	...	3451	961	20599	61119
2016-17	35761	256	27	...	4204	430	22451	63129
2017-18	36745	225	63	0	2418	0	23451	62902
<b>J.L.NEHRU</b>								
1990-91	-	516	850	-	...	-	656	2022
1991-92	-	623	820	-	...	-	1351	2794
1992-93	-	588	114	-	...	577	1728	3007
1993-94	-	855	23	-	...	275	2234	3387
1994-95	-	1187	125	-	...	-	3696	5008
1995-96	139	1716	179	648	...	68	4123	6873
1996-97	252	984	363	686	...	380	5404	8069
1997-98	681	881	75	657	...	355	6246	8895
1998-99	1271	796	93	531	...	418	8614	11723
1999-00	1413	627	164	48	...	555	12169	14976
2000-01	1811	246	148	-	...	-	16370	18575
2001-02	1747	265	68	-	-	30	20411	22521
2002-03	1888	95	209	-	-	-	24652	26844
2003-04	1939	95	115	-	-	-	29041	31190
2004-05	2460	-	37	-	-	-	30311	32808
2005-06	2545	-	33	-	-	-	35258	37836
2006-07	2625	-	2	-	-	-	42188	44815
2007-08	2188	-	-	-	-	-	53650	55838
2008-09	4551	-	-	-	-	-	52745	57296
2009-10	4916	-	-	-	-	-	55847	60763
2010-11	5043	-	870	-	-	-	58404	64317
2011-12	4845	-	4	-	-	19	60862	65730
2012-13	4126	-	-	-	-	-	60362	64488
2013-14	4107	-	-	-	-	12	58214	62333
2014-15	3330	-	-	-	-	-	60471	63801
2015-16	3419	-	-	-	-	-	60608	64027
2016-17	3829	-	-	-	-	-	58323	62152
2017-18	4013	-	-	-	-	-	61991	66004

(a): Figures from 1996-97 onwards are based on actual physical traffic handled.

Table 3.2.3  
(Contd...)

## Commodity-wise Cargo Traffic Handled at Major Ports

('000 Tonnes)

Year	POL (Crude & Products)	Fertiliser	Fertiliser Raw Material	Iron Ore	Coal	Food-grains	Others	Total
1	2	3	4	5	6	7	8	9
<b>MORMUGAO</b>								
1987-88	1132	54	178	11697	-	-	271	13332
1988-89	1321	127	221	13373	-	70	277	15389
1989-90	1043	245	146	12413	15	12	294	14168
1990-91	1369	166	148	12986	34	-	208	14911
1991-92	1865	127	251	12517	31	-	308	15099
1992-93	1784	244	204	13601	107	4	370	16314
1993-94	2098	141	135	15748	109	11	475	18717
1994-95	1938	70	191	15693	413	-	576	18881
1995-96	1911	56	174	14923	565	-	466	18095
1996-97	1218	39	214	14635	386	-	820	17312
1997-98	1134	43	225	18701	487	-	592	21182
1998-99	1047	86	155	15101	674	-	957	18020
1999-00	1143	112	154	14831	1219	-	767	18226
2000-01	1089	124	138	15663	1927	-	687	19628
2001-02	1153	159	274	17966	2725	-	651	22928
2002-03	1128	156	341	18666	2517	-	841	23649
2003-04	1321	129	389	22943	2397	-	695	27874
2004-05	1010	172	407	24717	3711	-	642	30659
2005-06	833	228	377	25314	4125	-	811	31688
2006-07	786	226	394	26741	5091	-	1003	34241
2007-08	874	192	-	27329	4244	-	2489	35128
2008-09	1038	182	-	33809	4556	-	2096	41681
2009-10	964	125	-	40574	4741	-	2443	48847
2010-11	939	232	-	40625	6566	-	1698	50060
2011-12	923	93	-	29370	6832	-	1831	39049
2012-13	823	78	-	7421	7374	60	1982	17738
2013-14	527	179	-	44	7518	44	3427	11739
2014-15	571	227	-	858	8568	-	4487	14711
2015-16	559	223	-	3965	11535	-	4494	20776
2016-17	627	199	-	15053	10980	0	6322	33181
2017-18	629	182	0	10259	10513	0	5314	26897
<b>NEW MANGALORE</b>								
1987-88	461	93	-	4357	-	-	1197	6108
1988-89	571	46	-	5011	-	62	1394	7084
1989-90	577	115	77	5877	-	-	1015	7661
1990-91	612	83	99	6125	-	-	1103	8022
1991-92	622	141	175	6493	-	-	843	8274
1992-93	630	241	115	5082	-	258	762	7088
1993-94	646	106	130	7060	-	19	669	8630
1994-95	742	87	162	6080	-	-	934	8005
1995-96	957	205	115	6639	41	-	927	8884
1996-97	5069	222	163	5945	19	106	929	12453
1997-98	6963	242	203	6536	99	325	914	15282
1998-99	7188	175	215	5334	61	368	865	14206
1999-00	9161	172	217	6387	117	315	1232	17601
2000-01	10918	198	252	5111	220	-	1192	17891
2001-02	9897	248	198	5783	233	-	1142	17501
2002-03	13450	249	152	6139	236	-	1204	21430
2003-04	17954	238	111	5414	93	15	2848	26673
2004-05	21434	354	215	10275	315	10	1288	33891
2005-06	22392	662	227	9307	513	7	1343	34451
2006-07	21868	972	286	6248	1047	88	1533	32042
2007-08	21782	831	9	9264	1691	57	2385	36019
2008-09	21328	905	13	9774	1929	111	2631	36691
2009-10	21339	820	13	7062	2810	161	3323	35528
2010-11	21551	784	4	3744	2856	116	2495	31550
2011-12	22245	804	21	3036	4022	58	2755	32941
2012-13	22538	519	17	2616	6911	204	4231	37036
2013-14	22792	454	50	1465	8348	117	6139	39365
2014-15	21471	658	83	1517	8178	7	4652	36566
2015-16	21966	732	79	454	6370	27	5954	35582
2016-17	23032	408	80	2947	6920	248	6301	39936
2017-18	22509	563	130	4903	6697	51	7206	42059

**Table 3.2.3**  
(Contd...)

**Commodity-wise Cargo Traffic Handled at Major Ports**

(’000 Tonnes)

Year	POL (Crude & Products)	Fertiliser	Fertiliser Raw Material	Iron Ore	Coal	Food-grains	Others	Total
1	2	3	4	5	6	7	8	9
<b>COCHIN</b>								
1987-88	5366	110	757	...	-	23	546	6802
1988-89	6268	139	549	...	-	175	693	7824
1989-90	5589	209	680	...	-	45	601	7124
1990-91	5804	181	684	...	-	40	566	7275
1991-92	5881	148	821	...	-	19	612	7481
1992-93	6222	136	800	...	-	90	730	7978
1993-94	6101	39	704	...	-	-	776	7620
1994-95	6635	95	816	...	-	-	1085	8631
1995-96	9416	194	803	...	-	9	1081	11503
1996-97	9218	194	786	...	119	32	1393	11742
1997-98	9613	160	688	...	141	164	1557	12323
1998-99	9665	72	683	...	157	289	1815	12681
1999-00	9885	53	616	...	156	98	2033	12841
2000-01	9681	28	594	...	176	12	2653	13144
2001-02	8588	107	539	...	92	11	2722	12059
2002-03	9368	97	534	...	187	18	2820	13024
2003-04	9960	101	403	...	142	-	2966	13572
2004-05	10277	71	495	...	210	-	3050	14103
2005-06	9641	81	646	...	199	-	3321	13888
2006-07	10475	79	560	...	219	184	3740	15257
2007-08	11300	83	271	27	246	6	3877	15810
2008-09	10492	193	265	...	259	-	4285	15494
2009-10	11938	135	211	...	148	-	4997	17429
2010-11	12121	76	353	...	40	-	5283	17873
2011-12	14084	115	315	...	34	-	5542	20090
2012-13	14027	22	331	...	28	-	5437	19845
2013-14	14321	36	271	...	...	...	6258	20886
2014-15	14017	68	377	...	98	-	7035	21595
2015-16	13773	22	230	...	88	95	7887	22095
2016-17	15740	17	235	...	44	174	8797	25007
2017-18	18664	35	188	0	44	0	10212	29143
<b>V.O.Chidambaranar</b>								
1987-88	364	106	320	...	2904	70	497	4261
1988-89	468	145	532	...	2981	408	591	5125
1989-90	476	434	231	...	2926	159	1098	5324
1990-91	470	288	327	...	2635	110	1245	5075
1991-92	496	302	442	...	3116	75	1437	5868
1992-93	510	378	431	...	3162	189	1545	6215
1993-94	463	205	209	...	3937	29	1857	6700
1994-95	417	221	463	...	4495	-	2445	8041
1995-96	434	412	376	...	5620	16	2428	9286
1996-97	466	259	364	...	5493	131	2461	9174
1997-98	459	512	711	...	5578	146	2568	9974
1998-99	441	413	849	...	5204	194	3049	10150
1999-00	532	423	791	...	4163	196	3888	9993
2000-01	460	332	884	...	6293	149	4166	12284
2001-02	430	284	776	8	5997	405	5117	13017
2002-03	492	147	880	-	5539	704	5532	13294
2003-04	558	177	853	-	5789	337	5964	13678
2004-05	743	297	944	42	6601	130	7054	15811
2005-06	774	484	1167	-	7240	61	7413	17139
2006-07	626	678	792	-	5608	54	10243	18001
2007-08	464	1098	632	-	6112	443	12731	21480
2008-09	503	1147	677	...	6047	195	13442	22011
2009-10	514	1221	860	41	5603	150	15398	23787
2010-11	741	1171	730	64	5349	80	17592	25727
2011-12	630	1134	891	33	6050	307	19060	28105
2012-13	547	487	572	0	6689	128	19837	28260
2013-14	479	388	790	0	6689	36	20260	28642
2014-15	366	438	1124	46	8305	59	22076	32414
2015-16	475	499	1012	86	14796	378	19603	36849
2016-17	439	604	1037	0	14250	1906	20227	38463
2017-18	466	325	1076	0	9795	1161	23760	36583



Table 3.2.3  
(Cont...)

## Commodity-wise Cargo Traffic Handled at Major Ports

('000 Tonnes)

Year	POL (Crude & Products)	Fertiliser	Fertiliser Raw Material	Iron Ore	Coal	Food-grains	Others	Total
1	2	3	4	5	6	7	8	9
<b>PARADIP</b>								
1986-87	-	61	494	2079	1511	-	708	4853
1987-88	-	9	470	1709	2305	-	694	5187
1988-89	-	-	648	1678	2394	50	1262	6032
1989-90	-	157	301	2059	2709	6	952	6184
1990-91	-	100	508	1748	3614	11	903	6884
1991-92	23	87	773	1524	3954	1	935	7297
1992-93	195	142	647	1346	4542	3	731	7606
1993-94	345	192	534	1518	4845	Neg.	893	8327
1994-95	380	125	691	1881	5830	-	1214	10121
1995-96	1066	134	956	1691	5909	20	1483	11259
1996-97	1693	102	699	1381	6513	26	1166	11580
1997-98	1737	116	1066	1435	7852	-	1096	13302
1998-99	2007	26	1127	797	8198	12	941	13108
1999-00	2219	55	1374	1025	7755	-	1208	13636
2000-01	2219	-	3370	2992	10097	-	1222	19900
2001-02	1993	-	3421	3546	10722	-	1449	21131
2002-03	1923	-	3055	4679	11722	-	2522	23901
2003-04	1365	-	2218	5934	14037	-	1757	25311
2004-05	839	-	3418	9051	14209	-	2587	30104
2005-06	910	-	2496	10273	16287	-	3143	33109
2006-07	1376	89	4173	11880	17130	-	3869	38517
2007-08	1765	136	3742	12960	15932	-	7902	42437
2008-09	3240	173	3397	14272	20162	-	5168	46412
2009-10	11647	81	3486	16159	19820	-	5818	57011
2010-11	12845	136	4226	13795	19340	-	5696	56038
2011-12	15091	236	4547	6556	21563	-	6261	54254
2012-13	16467	142	4004	1833	26105	-	8001	56552
2013-14	17702	122	3932	5593	32084	-	8570	68003
2014-15	3550	51	4378	1881	37762	-	23379	71001
2015-16	20567	0	4361	2889	39471	-	9109	76397
2016-17	27695	39	4025	10250	36007	-	10942	88958
2017-18	33776	0	4449	12189	41908	0	9706	102028
<b>KOLKATA/HALDIA</b>								
1986-87	5722	371	232	-	2481	75	3191	12072
1987-88	5912	183	298	-	3132	116	3430	13071
1988-89	6469	239	291	-	3605	447	3172	14223
1989-90	6436	384	388	-	4178	193	3110	14689
1990-91	7257	231	457	-	4134	92	2782	14953
1991-92	7690	275	479	-	4603	60	2893	16000
1992-93	8940	313	527	-	5068	117	3372	18337
1993-94	8696	224	288	-	5434	103	3751	18496
1994-95	9731	150	413	-	5841	25	4375	20535
1995-96	10742	162	579	-	5922	107	4003	21515
1996-97	10981	73	559	-	7147	17	4347	23124
1997-98	14337	66	636	-	7741	42	5335	28157
1998-99	15748	119	588	-	7451	133	5348	29387
1999-00	16463	136	754	-	6898	60	6715	31026
2000-01	14237	203	1043	374	8006	21	6116	30000
2001-02	13995	265	957	1780	7369	55	5982	30403
2002-03	16468	360	1022	2694	8323	7	6930	35804
2003-04	20236	250	866	3825	7894	81	8108	41260
2004-05	22008	174	767	5394	8908	84	8872	46207
2005-06	22623	324	1104	8087	10553	44	10408	53143
2006-07	22777	428	973	8509	8754	82	13527	55050
2007-08	22208	359	378	10380	7273	9	16722	57329
2008-09	19686	316	253	9209	7846	38	16872	54220
2009-10	10028	180	162	8488	7564	10	19991	46423
2010-11	11484	304	217	6779	8280	11	20470	47545
2011-12	7264	196	392	4393	7293	3	23707	43248
2012-13	5504	174	306	1873	6488	107	25476	39928
2013-14	5289	197	400	2317	7421	27	25735	41386
2014-15	4244	364	580	2400	8103	0	30602	46293
2015-16	5731	450	389	881	9231	14	33593	50289
2016-17	5671	223	330	1160	7361	2030	34176	50951
2017-18	6432	650	359	1576	9679	236	38959	57891





**Table 3.2.4  
(Contd...)**

**Trend in Type-wise Cargo Traffic Handled at Major Ports**

(’000 tonnes)

PORT/YEAR	Overseas			Coastal			Overseas & Coastal		
	Un-Loaded	Loaded	Total	Un-Loaded	Loaded	Total	Un-Loaded	Loaded	Total
1	2	3	4	5	6	7	8	9	10
<b>V.O. CHIDAMBARANAR</b>									
1996-97	1734	1545	3279	5877	18	5895	7611	1563	9174
1997-98	2791	1542	4333	5623	18	5641	8414	1560	9974
1998-99	3341	1629	4970	5144	36	5180	8485	1665	10150
1999-00	3732	2029	5761	4202	30	4232	7934	2059	9993
2000-01	3654	2396	6050	6185	49	6234	9839	2445	12284
2001-02	4094	3147	7241	5717	59	5776	9811	3206	13017
2002-03	3950	3690	7640	5614	40	5654	9564	3730	13294
2003-04	4281	3410	7691	5903	84	5987	10184	3494	13678
2004-05	6024	3665	9689	6036	86	6122	12060	3751	15811
2005-06	6509	3656	10165	6866	108	6974	13375	3764	17139
2006-07	7695	4302	11997	5807	197	6004	13502	4499	18001
2007-08	9824	5515	15339	5648	493	6141	15472	6008	21480
2008-09	11242	5070	16312	5128	571	5699	16370	5641	22011
2009-10	12870	4414	17284	5782	721	6503	18652	5135	23787
2010-11	12706	6585	19291	5688	748	6436	18394	7333	25727
2011-12	13404	7948	21352	6157	596	6753	19561	8544	28105
2012-13	13273	7466	20739	6581	940	7521	19854	8406	28260
2013-14	15412	6598	22010	5566	1066	6632	20978	7664	28642
2014-15	18891	7569	26460	5102	852	5954	23993	8421	32414
2015-16	21180	8291	29471	6187	1191	7378	27367	9482	36849
2016-17	22254	8719	30973	5743	1747	7490	27997	10466	38463
2017-18	18359	8252	26611	7812	2160	9972	26171	10412	36583
<b>CHENNAI</b>									
1996-97	11603	8728	20331	10330	1187	11517	21933	9915	31848
1997-98	12730	10455	23185	11299	1047	12346	24029	11502	35531
1998-99	12431	9217	21648	12660	894	13554	25091	10111	35202
1999-00	12950	9826	22776	13488	1179	14667	26438	11005	37443
2000-01	13187	11567	24754	15733	733	16466	28920	12300	41220
2001-02	12682	11952	24634	10458	1023	11481	23140	12975	36115
2002-03	12003	13117	25120	7603	964	8567	19606	14081	33687
2003-04	13807	15349	29156	6495	1059	7554	20302	16408	36710
2004-05	18952	17273	36225	5793	1788	7581	24745	19061	43806
2005-06	23247	18064	41311	3956	1981	5937	27203	20045	47248
2006-07	26195	21337	47532	4564	1318	5882	30759	22655	53414
2007-08	28526	23369	51895	4333	926	5259	32859	24295	57154
2008-09	30028	21983	52011	4617	863	5480	34645	22846	57491
2009-10	33875	22219	56094	4239	724	4963	38114	22943	61057
2010-11	36287	20178	56465	4038	957	4995	40325	21135	61460
2011-12	32867	18281	51148	3948	611	4559	36815	18892	55707
2012-13	30467	18547	49014	3907	483	4390	34374	19030	53404
2013-14	29733	18153	47886	2800	419	3219	32533	18572	51105
2014-15	30762	18484	49246	2926	369	3295	33688	18853	52541
2015-16	28867	16692	45559	3670	829	4499	32537	17521	50058
2016-17	30386	16043	46429	2946	839	3785	33332	16882	50214
2017-18	31056	16684	47740	3154	988	4142	34210	17672	51882
<b>Kamarajar</b>									
2001-02	0	0	0	3401	0	3401	3401	0	3401
2002-03	0	0	0	8485	0	8485	8485	0	8485
2003-04	0	0	0	9277	0	9277	9277	0	9277
2004-05	122	520	642	8838	0	8838	8960	520	9480
2005-06	1066	537	1603	7565	0	7565	8631	537	9168
2006-07	653	1724	2377	8337	0	8337	8990	1724	10714
2007-08	1212	2190	3402	8161	0	8161	9373	2190	11563
2008-09	1848	1111	2959	8541	0	8541	10389	1111	11500
2009-10	1313	936	2249	8454	0	8454	9767	936	10703
2010-11	2048	1052	3100	7909	0	7909	9957	1052	11009
2011-12	5457	1244	6701	8255	0	8255	13712	1244	14956
2012-13	7724	1739	9463	8422	0	8422	16146	1739	17885
2013-14	12310	2415	14725	12612	0	12612	24922	2415	27337
2014-15	13921	2587	16508	13743	0	13743	27664	2587	30251
2015-16	12359	2604	14963	17243	0	17243	29602	2604	32206
2016-17	11060	2352	13412	16487	121	16608	27547	2473	30020
2017-18	9278	2586	11864	18551	31	18582	27829	2617	30446





**Table 3.2.4**  
(Contd...)

**Trend in Type-wise Cargo Traffic Handled at Major Ports**

('000 tonnes)

PORT/YEAR	Overseas			Coastal			Overseas & Coastal		
	Un-Loaded	Loaded	Total	Un-Loaded	Loaded	Total	Un-Loaded	Loaded	Total
1	2	3	4	5	6	7	8	9	10
<b>ALL PORTS</b>									
1996-97	102836	57773	160609	36371	30277	66648	139207	88050	227257
1997-98	117425	62254	179679	38549	33430	71979	155974	95684	251658
1998-99	124986	55032	180018	39544	32176	71720	164530	87208	251738
1999-00	133798	56633	190431	49922	31614	81536	183720	88247	271967
2000-01	127203	66202	193405	51547	36179	87726	178750	102381	281131
2001-02	130117	76774	206891	47029	33661	80690	177146	110435	287581
2002-03	133829	93522	227351	48208	37994	86202	182037	131516	313553
2003-04	148130	110658	258788	48534	37477	86011	196664	148135	344799
2004-05	169418	126199	295617	47016	41122	88138	216434	167321	383755
2005-06	199476	133646	333122	44221	46225	90446	243697	179871	423568
2006-07	225548	143257	368805	52575	42402	94977	278123	185659	463782
2007-08	253161	165758	418919	57490	42904	100394	310651	208662	519313
2008-09	260971	166489	427460	57697	45647	103344	318668	212136	530804
2009-10	286506	167517	454023	58926	48141	107067	345432	215658	561090
2010-11	296312	168859	465171	55637	49278	104915	351949	218137	570086
2011-12	306755	147560	454315	55982	49890	105872	362737	197450	560187
2012-13	315200	123626	438826	53903	53102	107005	369103	176728	545831
2013-14	318658	122175	440833	59771	54885	114656	378429	177060	555489
2014-15	355628	106240	461868	65665	53811	119476	421293	160051	581344
2015-16	379699	101024	480723	66839	58329	125168	446538	159353	605891
2016-17	381071	132999	514070	74386	60017	134403	455457	193016	648473
2017-18	391237	133493	524730	86126	68614	154740	477363	202107	679470

Table 3.2.5

## Container Traffic Handled at Major Ports

(In Million Tonnes)

Item	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
<b>1. LOADED</b>															
i) Indian Lines	2.81	2.91	3.19	2.73	2.03	2.46	3.94	2.23	3.33	2.72	2.75	1.78	2.48	3.96	4.85
ii) Foreign Lines	24.45	25.31	27.74	35.42	44.16	44.42	43.67	54.06	56.69	56.39	55.68	55.34	55.54	54.21	57.57
iii) Total	27.26	28.22	30.93	38.15	46.19	46.88	47.61	56.29	60.02	59.11	58.43	57.12	58.02	58.17	62.42
<b>2. UNLOADED</b>															
i) Indian Lines	2.39	2.67	3.12	1.56	2.23	1.16	3.61	1.65	3.11	2.55	3.45	3.25	4.23	6.22	7.39
ii) Foreign Lines	21.39	23.90	27.96	33.76	43.83	45.33	64.48	56.23	57.14	58.20	52.80	59.07	60.92	60.28	63.92
iii) Total	23.78	26.57	31.08	35.32	46.06	46.49	68.09	57.88	60.25	60.75	56.24	62.32	65.15	66.50	71.31
<b>3. Total</b>															
i) Indian Lines	5.20	5.58	6.31	4.29	4.26	3.62	7.55	3.88	6.44	5.27	6.20	5.03	6.71	10.18	12.24
ii) Foreign Lines	45.84	49.21	55.70	69.18	87.99	89.75	108.15	110.29	113.84	114.59	108.48	114.41	116.46	114.49	121.48
iii) Total	51.04	54.79	62.01	73.47	92.25	93.37	115.70	114.17	120.28	119.87	114.67	119.44	123.17	124.66	133.73
4. General Cargo (Break Bulk & Container)	69.77	72.50	82.85	97.40	123.79	120.01	132.59	146.47	156.14	158.09	149.85	154.57	158.66	163.01	172.82
% Of Container Cargo to general cargo	73.10	75.60	74.80	75.43	74.52	77.80	87.26	77.95	77.03	75.82	76.52	77.27	77.63	76.48	77.38





Table  
3.2.7(Contd.)

Passenger Traffic at Major Ports

(In '000)

Port/Year	Overseas			Coastal			Total		
	Embarked	Dis-embarked	Total	Embarked	Dis-embarked	Total	Embarked	Dis-embarked	Total
1	2	3	4	5	6	7	8	9	10
<b>PARADIP</b>									
2009-10	-	-	-	-	-	-	-	-	-
2010-11	-	-	-	-	-	-	-	-	-
2011-12	-	-	-	-	-	-	-	-	-
2012-13	-	-	-	-	-	-	-	-	-
2013-14	-	-	-	-	-	-	-	-	-
2014-15	-	-	-	-	-	-	-	-	-
2015-16	-	-	-	-	-	-	-	-	-
2016-17	-	-	-	-	-	-	-	-	-
2017-18	-	-	-	-	-	-	-	-	-
<b>V.O.CHIDAMBANAR</b>									
2010-11	-	-	-	-	-	-	-	-	-
2011-12	7.6	4.6	12.2	-	-	-	7.6	4.6	12.2
2012-13	-	-	-	-	-	-	-	-	-
2013-14	-	-	-	-	-	-	-	-	-
2014-15	-	-	-	-	-	-	-	-	-
2015-16	-	-	-	-	-	-	-	-	-
2016-17	-	-	-	-	-	-	-	-	-
2017-18	-	-	-	-	-	-	-	-	-
<b>VISHAKHAPATNAM</b>									
1993-94	-	-	-	4.6	7.4	12.0	4.6	7.4	12.0
1994-95	-	-	-	3.6	4.8	8.4	3.6	4.8	8.4
1995-96	-	-	-	3.7	4.0	7.7	3.7	4.0	7.7
1996-97	-	-	-	6.0	6.9	12.9	6.0	6.9	12.9
1997-98	-	-	-	6.1	5.6	11.7	6.1	5.6	11.7
1998-99	-	-	-	8.8	5.0	13.8	8.8	5.0	13.8
1999-00	-	-	-	5.7	7.5	13.2	5.7	7.5	13.2
2000-01	-	-	-	9.8	7.1	16.9	9.8	7.1	16.9
2001-02	-	-	-	8.6	8.6	17.2	8.6	8.6	17.2
2002-03	-	-	-	11.3	11.7	23.0	11.3	11.7	23.0
2003-04	-	-	-	8.6	9.0	17.6	8.6	9.0	17.6
2004-05	-	-	-	10.1	12.0	22.1	10.1	12.0	22.1
2005-06	-	-	-	8.4	7.8	16.2	8.4	7.8	16.2
2006-07	-	-	-	8.4	8.4	16.8	8.4	8.4	16.8
2007-08	-	-	-	12.2	10.3	22.5	12.2	10.3	22.5
2008-09	-	-	-	11.2	12.8	24.0	11.2	12.8	24.0
2009-10	-	-	-	10.0	11.0	21.0	10.0	11.0	21.0
2010-11	-	-	-	11.4	11.2	22.6	11.4	11.2	22.6
2011-12	-	-	-	13.2	13.3	26.5	13.2	13.3	26.5
2012-13	-	-	-	12.8	13.3	26.2	12.8	13.3	26.2
2013-14	-	-	-	12.7	12.1	24.8	12.7	12.1	24.8
2014-15	-	-	-	12.4	11.3	23.7	12.4	11.3	23.7
2015-16	-	-	-	10.4	9.3	19.7	10.4	9.3	19.7
2016-17	-	-	-	9.2	7.3	16.5	9.2	7.3	16.5
2017-18	-	-	-	8.6	8.2	16.9	8.6	8.2	16.9
<b>KOLKATA/HALDIA</b>									
1993-94	-	-	-	22.8	17.5	40.3	22.8	17.5	40.3
1994-95	-	-	-	20.5	18.4	38.9	20.5	18.4	38.9
1995-96	-	-	-	21.7	16.7	38.4	21.7	16.7	38.4
1996-97	-	-	-	24.0	21.8	45.8	24.0	21.8	45.8
1997-98	-	-	-	19.9	15.1	35.0	19.9	15.1	35.0
1998-99	-	-	-	28.0	24.3	52.3	28.0	24.3	52.3
1999-00	-	-	-	26.4	22.6	49.0	26.4	22.6	49.0
2000-01	0.2	0.2	0.4	29.6	27.1	56.7	29.8	27.3	57.1
2001-02	-	-	-	30.0	28.4	58.4	30.0	28.4	58.4
2002-03	-	-	-	25.3	27.4	52.7	25.3	27.4	52.7
2003-04	-	-	-	25.5	30.6	56.1	25.5	30.6	56.1
2004-05	-	-	-	31.7	30.8	62.5	31.7	30.8	62.5
2005-06	-	-	-	34.3	26.0	60.3	34.3	26.0	60.3
2006-07	-	-	-	29.2	21.4	50.6	29.2	21.4	50.6
2007-08	-	-	-	43.5	31.6	75.1	43.5	31.6	75.1
2008-09	-	-	-	30.9	27.2	58.1	30.9	27.2	58.1
2009-10	-	-	-	34.8	32.9	67.7	34.8	32.9	67.7
2010-11	-	-	-	31.2	32.3	63.5	31.2	32.3	63.5
2011-12	-	-	-	27.0	25.3	52.2	27.0	25.3	52.2
2012-13	-	-	-	20.3	20.0	40.3	20.3	20.0	40.3
2013-14	-	-	-	23.0	19.5	42.5	23.0	19.5	42.5
2014-15	-	-	-	23.1	16.5	39.6	23.1	16.5	39.6
2015-16	-	-	-	20.1	15.7	35.8	20.1	15.7	35.8
2016-17	-	-	-	11.6	8.8	20.4	11.6	8.8	20.4
2017-18	-	-	-	7.1	9.0	16.1	7.1	9.0	16.1

Table 3.2.7  
Contd...

Passenger Traffic at Major Ports

(In '000)

Port/Year	Overseas			Coastal			Total		
	Embarked	Dis-embarked	Total	Embarked	Dis-embarked	Total	Embarked	Dis-embarked	Total
1	2	3	4	5	6	7	8	9	10
<b>MORMUGAO</b>									
2005-06	...	...	2.6	...	...	26.7	...	...	29.3
2006-07	...	...	11.9	...	...	30.4	...	...	42.3
2007-08	...	...	13.0	-	-	-	...	...	13.0
2008-09	...	...	10.9	-	-	-	...	...	10.9
2009-10	...	...	18.7	...	...	...	...	...	18.7
2010-11	...	...	9.4	...	...	...	0.0	0.2	9.4
2011-12	...	...	19.7	...	...	...	0.2	0.2	19.7
2012-13	...	...	...	...	...	...	0.1	0.2	18.1
2013-14	0.2	0.3	17.4	...	...	...	0.2	0.3	17.4
2014-15	0.3	0.2	21.1	...	...	...	0.3	0.2	21.1
2015-16	0.3	0.3	30.9	...	...	...	0.3	0.3	30.9
2016-17	0.3	0.4	43.9	...	...	...	0.3	0.4	43.9
2017-18	0.6	0.3	43.7	...	...	...	0.6	0.3	43.7
<b>NEW MANGALORE</b>									
2008-09	-	0.9	0.9	-	-	-	-	0.9	0.9
2009-10	-	1.9	1.9	-	-	-	-	1.9	1.9
2010-11	-	5.9	5.9	-	-	-	-	5.9	5.9
2011-12	-	7.8	7.8	-	-	-	-	7.8	7.8
2012-13	-	10.2	10.2	-	-	-	-	10.2	10.2
2013-14	-	7.2	7.2	-	-	-	-	7.2	7.2
2014-15	-	11.3	11.3	-	-	-	-	11.3	11.3
2015-16	-	19.2	19.2	-	-	-	-	19.2	19.2
2016-17	0.6	0.1	29.5	-	-	-	0.6	0.1	29.5
2017-18	0.2	0.1	24.3	-	-	-	0.2	0.1	24.3
<b>ALL MAJOR PORTS</b>									
1993-94	21.0	14.3	35.3	85.8	81.6	167.4	106.8	95.9	202.7
1994-95	15.3	9.9	25.2	102.9	87.5	190.4	118.2	97.4	215.6
1995-96	18.8	14.7	33.5	120.1	112.6	232.7	138.9	127.3	266.2
1996-97	20.9	21.5	42.4	124.3	129.2	253.5	145.2	150.7	295.9
1997-98	11.7	13.1	24.8	118.8	133.6	252.4	130.5	146.7	277.2
1998-99	12.6	20.2	32.8	114.5	118.7	233.2	127.1	138.9	266.0
1999-00	9.5	7.4	16.9	122.9	116.0	238.9	132.4	123.4	255.8
2000-01	12.6	10.8	23.4	107.5	103.4	210.9	120.1	114.2	234.3
2001-02	16.9	18.5	35.4	125.0	114.3	239.3	141.9	132.8	274.7
2002-03	12.6	11.4	24.0	128.9	99.0	227.9	141.5	110.4	251.9
2003-04	6.5	5.5	12.0	135.3	132.5	267.8	141.8	138.0	279.8
2004-05	10.6	10.7	24.1	141.7	138.0	279.7	152.3	148.7	303.8
2005-06	10.9	10.6	24.6	145.1	141.3	286.4	156.0	151.9	311.0
2006-07	11.7	11.7	26.0	184.3	171.0	355.3	196.0	182.7	378.7
2007-08	15.4	14.5	29.9	207.6	193.4	401.0	223.0	207.9	430.9
2008-09	15.4	14.7	43.1	228.5	211.7	440.2	243.9	226.4	470.3
2009-10	21.3	20.3	52.5	139.6	137.7	277.3	160.9	158.0	318.9
2010-11	26.2	26.6	62.2	157.1	162.2	319.3	183.3	189.0	372.3
2011-12	36.2	39.9	95.8	202.6	167.0	369.6	239.1	207.0	446.1
2012-13	40.8	50.2	91.0	153.9	145.1	299.1	194.9	195.6	390.5
2013-14	26.4	33.8	77.1	152.5	138.3	290.9	178.9	172.1	351.0
2014-15	33.4	44.5	98.4	154.7	132.3	287.0	188.1	176.8	364.9
2015-16	33.2	57.1	120.6	144.7	142.7	287.4	177.8	199.8	377.6
2016-17	65.8	63.3	201.1	138.0	133.7	271.7	203.8	197.0	400.8
2017-18	56.0	56.3	179.1	118.0	125.2	243.2	174.0	181.5	355.5

(a) : Included in coastal.

Note : There was no Passenger Traffic at Kandla, J. L. Nehru and Kamarajar Ports for the period 1993-94 to 2017-18











**Table 3.2.9  
(Contd...)**

**Distribution of Revenue And Expenditure at Major Ports**

(Rs. in Lakh)

Port/ Year	Total Revenue	Total Expen-diture	Port and Dock Charges including Pilotage		Cargo handling and ware-housing		On account of Railways		Land and building		Finance and Misc.		Management & General Administration
			Revenue	Exp.	Revenue	Exp.	Revenue	Exp.	Revenue	Exp.	Revenue	Exp.	Exp.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
<b>JAWAHARLAL NEHRU</b>													
1995-96	27883	15341	3579	1201	18390	7925	0	102	1398	728	4516	3777	1608
1996-97	31749	17497	4252	1779	18519	9234	0	119	1836	969	7142	3514	1882
1997-98	41731	21256	5618	2517	23466	11413	0	124	2919	1047	9728	4286	1869
1998-99	48231	24685	7492	3034	27586	12007	0	124	3231	1212	9922	5998	2310
1999-00	47529	34224	9225	5604	23413	12737	0	124	4115	1290	10776	11489	2980
2000-01	44317	34196	10192	4007	17643	13154	0	121	4786	930	11696	13084	2900
2001-02	50377	39079	13364	4135	20860	13760	0	121	4443	1048	11710	16895	3120
2002-03	55322	37388	16089	3584	23527	13548	0	121	4509	1029	11197	16157	2949
2003-04	64779	38573	17662	4136	31512	14225	0	121	4757	1298	10848	15167	3626
2004-05	71050	37439	15447	4588	33094	16128	0	122	4754	1602	17755	11494	3505
2005-06	65025	32226	14477	4782	35747	13173	0	121	4679	3000	10122	6837	4313
2006-07	91047	34132	15837	5568	35045	14041	0	121	5272	2231	34893	7596	4575
2007-08	63075	31758	11921	6213	32203	12594	0	121	5674	2768	13277	3274	6788
2008-09	68488	40549	14114	7613	28024	13415	0	121	6612	2986	19738	7528	8886
2009-10	62107	37341	16017	8436	21984	14426	0	121	6413	3280	17693	2576	8502
2010-11	65408	44997	16231	8741	25957	15448	0	121	6583	4329	16637	5753	10605
2011-12	83500	51599	16673	8284	28648	18557	0	121	7725	4195	30454	7911	12531
2012-13	91420	69541	18264	8726	32546	24416	0	121	814	7098	39796	15639	13541
2013-14	99029	86841	20759	8869	33739	26796	0	121	9288	4340	35243	31963	14752
2014-15	108637	89105	26223	11007	42622	28498	0	121	9659	5274	30133	29387	14818
2015-16	198970	89806	33943	16260	122316	33965	0	121	10251	2917	32460	20496	16047
2016-17	216242	82150	35880	19038	124924	37348	0	121	9292	3515	46146	1653	20475
2017-18	223634	79637	43022	11942	133671	41232		121	12395	3372	34546	4514	18456
<b>MORMUGAO</b>													
1995-96	9867	7931	2198	2476	5454	1967	0	116	358	67	1857	1557	1748
1996-97	11055	8912	2263	2055	6287	2616	0	112	485	94	2020	2060	1975
1997-98	13317	10297	2522	2303	8188	3525	4	139	345	235	2258	1954	2141
1998-99	14849	12575	2884	2748	8460	4297	181	136	567	280	2757	2529	2585
1999-00	16046	13702	3100	3022	8993	3977	389	222	966	272	2598	3286	2923
2000-01	21474	19254	3789	3474	10914	5761	533	337	957	311	5281	5091	4280
2001-02	19696	18923	4633	3752	12060	4784	839	401	1225	366	939	5650	3970
2002-03	19483	17147	4803	3628	12217	4378	806	321	933	515	724	4315	3990
2003-04	21516	18779	5372	3780	14055	4940	661	264	681	522	747	5306	3967
2004-05	22072	19807	5402	3567	14317	5230	893	394	953	459	507	5869	4288
2005-06	22925	18196	5500	3649	14352	5509	1001	420	1253	369	819	3960	4289
2006-07	27187	23141	6346	3583	16204	6394	1712	473	1532	381	1393	7118	5192
2007-08	26802	22817	6280	4626	15531	6887	2015	477	925	538	2051	4355	5934
2008-09	29696	28562	7401	5574	17245	7614	2089	567	815	602	2146	6585	7620
2009-10	34610	32303	9063	6288	20556	9869	2233	610	831	544	1927	8779	6213
2010-11	38586	33088	10055	6007	22829	10870	3095	661	1207	772	1400	8916	5862
2011-12	37773	35337	10311	6823	20569	11330	3882	784	1159	798	1852	9447	6155
2012-13	24610	35365	6534	7287	9775	10470	4512	961	1367	855	2422	9388	6404
2013-14	21775	32343	8689	6477	6008	9615	5211	1112	1239	699	628	8235	6205
2014-15	29858	33231	11360	8288	8958	9644	6838	929	1519	738	1183	8536	5096
2015-16	35408	34839	11498	9431	11014	11462	9511	2337	2262	693	1123	10916	0
2016-17	46944	41032	16430	9451	14692	13544	10878	3010	2360	794	2584	14233	0
2017-18	45227	45008	15116	9711	14509	13746	11351	2906	1590	1021	2661	17624	0

**Table 3.2.9  
(Contd...)**

**Distribution of Revenue And Expenditure at Major Ports**

(Rs. in Lakh)

Port/ Year	Total Revenue	Total Expen-diture	Port and Dock Charges including Pilotage		Cargo handling and warehousing		On account of Railways		Land and building		Finance and Misc.		Management & General Administration
			Revenue	Exp.	Revenue	Exp.	Revenue	Exp.	Revenue	Exp.	Revenue	Exp.	Exp.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
<b>NEW MANGALORE</b>													
1995-96	6672	4615	1398	2204	3291	637	13	13	759	112	1211	592	1057
1996-97	13422	9275	2355	2819	8831	1443	12	35	649	119	1575	3469	1390
1997-98	17852	10938	3085	3789	11264	1597	25	36	1122	138	2356	3744	1634
1998-99	16924	13009	3603	4390	10950	1801	22	23	917	180	1432	4758	1857
1999-00	18600	13028	3742	4880	12315	2053	13	28	1040	198	1490	3568	2301
2000-01	19173	14884	3415	5759	12961	2312	13	29	1145	213	1639	3904	2667
2001-02	20714	15745	3593	5685	14472	2425	27	32	1341	219	1281	4944	2440
2002-03	21505	15981	4652	4338	14272	2680	15	32	1302	198	1264	6378	2355
2003-04	23803	17863	5550	5171	15490	2968	16	30	1360	208	1387	7052	2434
2004-05	28835	21037	6547	4271	18491	3791	40	48	1693	271	2064	10223	2433
2005-06	28217	13849	6657	5167	16782	3931	87	43	1946	276	2745	1838	2594
2006-07	27987	17071	6136	5313	17156	4426	159	55	2148	312	2388	4135	2830
2007-08	30877	18181	6374	5337	18098	4983	354	125	2284	403	3767	4194	3139
2008-09	35398	20598	7045	5149	19906	5922	463	111	2685	391	5299	5403	3622
2009-10	36317	23452	6844	6933	21374	6040	536	94	3090	505	4473	5126	4754
2010-11	35317	24490	6258	7845	20595	5280	316	110	3621	568	4527	5731	4956
2011-12	43242	26586	7192	7864	24657	5522	303	116	5073	681	6017	6928	5475
2012-13	43107	27983	8872	7697	20530	6008	413	93	4647	709	8645	7674	5802
2013-14	40681	27979	12178	8499	19920	7129	477	83	3937	799	4169	4403	7066
2014-15	43990	30896	12889	10246	19020	6794	490	115	6967	855	4624	6020	6866
2015-16	41776	30057	14074	10111	17347	6201	290	109	4760	814	5305	5267	7555
2016-17	48855	35106	20332	10449	18861	7980	540	131	5042	981	4080	6821	8744
2017-18	54745	35691	18042	10880	24165	7250	568	88	7700	1049	4270	6572	9852
<b>COCHIN</b>													
1995-96	12493	13058	2934	3470	7132	1984	0	29	643	334	1784	4894	2347
1996-97	15866	13601	3456	4107	9456	2059	0	29	864	321	2090	4143	2942
1997-98	17748	13241	4034	4903	10490	2193	0	22	1021	427	2203	2115	3581
1998-99	19580	16435	4386	5778	10735	2710	0	25	1169	592	3270	3486	3844
1999-00	20355	20084	5324	6144	11354	3628	0	31	1363	476	2314	5358	4447
2000-01	20597	23972	5367	5262	11295	4530	0	40	1698	490	2237	8626	5024
2001-02	20144	23946	5989	6141	10810	4411	0	18	1907	456	1438	8073	4847
2002-03	21597	19657	5947	5618	11991	3806	0	14	2130	427	1529	4936	4856
2003-04	21746	19612	5702	4971	12316	3868	0	0	2128	453	1600	5424	4896
2004-05	22060	21696	5668	5117	12817	3903	0	0	2263	456	1312	7071	5149
2005-06	21684	18724	5988	4976	10193	2764	0	0	3714	616	1789	5220	5148
2006-07	23335	20670	6299	6107	10515	2761	0	0	4393	618	2128	5913	5271
2007-08	24756	24307	6933	8391	10821	3172	0	0	4240	750	2762	6186	5808
2008-09	22979	24454	8010	9281	7795	2904	0	0	5036	716	2138	4907	6646
2009-10	25130	34057	9061	10634	8825	3808	0	0	5321	796	1923	10762	8057
2010-11	31177	39783	11521	13542	9228	4110	0	0	6859	979	3569	12335	8817
2011-12	34220	42612	12786	11990	11544	4987	0	0	6380	1245	3510	14398	9992
2012-13	44604	51119	12426	18370	11918	5422	0	0	6818	1905	13442	14380	11042
2013-14	45858	56647	15339	18998	12872	5985	0	0	8043	1979	9604	18369	11316
2014-15	44702	51905	15381	18046	14110	5579	0	0	9091	2007	6120	15279	10994
2015-16	51035	43959	20118	17814	14722	5524	0	0	8885	2169	7310	18452	0
2016-17	54504	57220	23275	17981	16862	5503	0	0	9487	13367	4880	20369	0
2017-18	57794	56440	22163	17454	19971	5508	0	0	10545	13760	5115	19718	0









**Table 3.2.9  
(Contd...)**

**Distribution of Revenue And Expenditure at Major Ports**

(Rs. in Lakh)

Port/ Year	Total Revenue	Total Expen-diture	Port and Dock Charges including Pilotage		Cargo handling and ware-housing		On account of Railways		Land and building		Finance and Misc.		Management & General Administration
			Revenue	Exp.	Revenue	Exp.	Revenue	Exp.	Revenue	Exp.	Revenue	Exp.	Exp.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
<b>ALL PORTS</b>													
1995-96	275864	187719	62655	40187	151772	47203	10356	7939	11249	7894	39832	51272	33224
1996-97	317163	212390	71962	51318	168007	53641	11388	8801	14087	9074	51719	51894	37662
1997-98	360731	239072	89786	61484	184181	59942	13872	10318	17294	10663	55598	54092	42573
1998-99	400952	294202	119732	86558	189091	65696	13863	10345	18549	12727	59717	70116	48760
1999-00	405028	323554	116556	89441	183185	70458	14724	10173	21206	12862	69357	85006	55614
2000-01	426180	416617	129608	96210	183702	82258	17237	12441	23983	14270	71650	147112	64331
2001-02	480571	422331	154719	95081	192863	80104	17677	11274	24754	14517	90558	160118	61237
2002-03	491109	375631	132642	90965	213937	82281	19122	11697	25978	15178	99430	115378	60132
2003-04	474001	407542	139784	94719	237435	84718	19217	11684	26453	14900	51112	139625	61896
2004-05	545293	435546	160116	98640	259953	91151	20192	12127	31496	15255	73536	154416	63957
2005-06	598130	393691	172358	108072	276819	92208	22976	13834	38126	18385	87851	93437	67755
2006-07	686641	441690	183630	107506	302627	103304	26818	15127	43677	17244	129889	124292	74217
2007-08	717662	468029	187076	113852	320149	110047	32181	17174	46291	19046	131965	121108	86802
2008-09	748785	573615	204178	132176	325267	119020	34304	18927	48323	23442	136713	174834	105216
2009-10	797668	651731	228014	153836	331844	146468	37801	22270	55471	25512	144538	177562	126083
2010-11	800844	704312	193771	154726	362441	174301	36409	23087	64752	27635	143471	194840	129723
2011-12	926719	832993	212228	163967	382281	193074	38734	24187	82377	29925	211099	280597	141243
2012-13	995600	944463	243701	193778	403627	225025	39615	25819	93874	36188	214783	290569	173084
2013-14	1008538	985655	276284	205028	389280	204194	44406	28788	97653	33568	200915	345503	168574
2014-15	1034637	934623	279910	172248	439881	219641	42198	23801	115098	33438	157550	309069	176426
2015-16	1268113	1066285	378508	235204	561681	236008	60983	30650	98636	62058	168305	408226	94139
2016-17	1355196	1063861	418152	220156	590731	253778	61609	31831	134359	55905	150345	364988	137203
2017-18	1508053	1191766	439548	220057	675764	267156	72740	31069	137702	58983	182298	463902	150598

Source : Major Ports

**Table 3.2.10 Operating Financial Parameters for Major Ports**

(Rs. In Lakh)

Item/Year	Deendayal	Mumbai	J.L. Nehru	Mormugao	New Mangalore	Cochin	V. O. Chidambaranar	Chennai	Kamarajar	Vishakha patnam	Paradip	Haldia Dock Complex	Kolkata Dock System	All Ports
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<b>Operating Income</b>														
1996-97	16016	59258	24607	9035	11847	13776	5884	27396	-	27126	16271	31921	22307	265444
1997-98	19064	60638	32003	11059	15496	15545	7519	30135	-	27254	17673	44175	24572	305133
1998-99	23227	60731	38309	12092	15492	16290	8543	31414	-	27375	17279	64307	26176	341235
1999-00	22520	53267	36753	13448	17110	18041	9014	33904	-	30706	18442	56738	25728	335671
2000-01	18098	46419	32621	16193	17534	18360	11457	37049	-	34866	26213	71103	24617	354530
2001-02	17965	43812	38667	18757	19433	18706	11705	33979	3077	39498	29721	91520	23173	390013
2002-03	21197	45892	44125	18759	20241	20068	12459	33546	7687	42756	38121	65046	21782	391679
2003-04	21091	46039	53931	20769	22416	20146	12462	36856	8564	45429	41272	74699	19215	422889
2004-05	23626	57096	63009	21565	26771	20748	13779	40364	9200	50187	47138	77541	20733	471757
2005-06	25419	66024	67032	22106	25472	19895	15904	43169	9232	52846	51351	83210	28619	510279
2006-07	33126	75791	80279	25794	25598	21208	18301	53497	10104	53375	59676	95809	31386	583944
2007-08	34157	81815	89082	24751	27109	22009	19535	62809	12802	56542	63998	100409	36213	631231
2008-09	40876	80875	96506	27549	30099	20840	21973	67149	13776	59973	69671	101739	36477	667503
2009-10	44919	89514	104206	32683	31845	23208	24040	71835	14266	66080	74887	97342	45078	719903
2010-11	49191	95500	112263	37186	30791	27608	26106	68391	16731	73864	70538	103530	45985	757684
2011-12	62371	102305	116715	35920	37226	30710	30767	62711	24865	72642	63939	98259	56606	795036
2012-13	78041	115444	108511	22187	33462	31161	36402	63084	32571	70288	68373	79815	50409	789748
2013-14	74412	130488	134529	21147	36512	36254	37708	60033	52066	80082	91460	104325	53165	912181
2014-15	88469	139978	150808	28675	39366	38582	46684	69875	56644	80985	101615	117662	59697	1019040
2015-16	90857	147792	166510	34285	36471	43725	40054	54188	59498	90753	102390	108861	65068	1040452
2016-17	138315	147780	170097	44360	45451	49623	59793	77543	59248	91758	114719	121737	59533	12179957
2017-18	147535	156046	189088	42568	50475	52679	61484	76437	60069	106601	132690	149895	66662	1292229
<b>Operating Expenditure</b>														
1996-97	7939	37443	13983	6852	5806	9458	3124	16481	-	16671	9911	16611	16217	160496
1997-98	8969	39523	16970	8343	7194	11126	3711	19948	-	17673	10332	23764	17427	184980
1998-99	8625	43440	18687	10046	8251	12949	4464	21936	-	18125	11341	46268	19954	224086
1999-00	12642	42278	22735	10416	9460	14726	5225	26728	-	20153	12334	40853	20998	238548
2000-01	11540	50082	21112	14163	10980	15346	6012	32485	-	23751	15094	44269	24671	269505
2001-02	10493	42096	22185	13273	10801	15573	5809	28091	1731	22364	20091	47434	22272	262213
2002-03	13971	43099	21231	12832	9603	14721	6099	27025	2260	21768	21179	45352	21113	260253
2003-04	16558	42258	23406	13473	10811	14188	6478	26139	3776	22126	21295	47654	19755	267917
2004-05	17278	45920	27181	13938	10814	14625	6437	28647	4173	22353	23941	46493	19330	281130
2005-06	17288	46041	27033	14230	12011	13504	6157	31295	3951	24310	26197	56879	21358	300254
2006-07	21186	50263	28795	16022	12936	14757	6897	34808	4107	24379	28260	54022	23161	319593
2007-08	24797	56725	31379	18463	13987	18120	7476	40085	3788	27933	25078	50929	24392	343152
2008-09	32646	62989	37537	21978	15194	19546	9847	45551	3533	34987	35817	56448	29966	406039
2009-10	36048	72022	39370	23525	18326	23295	11861	53284	3084	46471	39060	67437	38360	472143
2010-11	38216	77500	44445	24172	18759	27449	11969	57973	3263	40771	39115	66523	40248	490403
2011-12	50598	82147	49963	25889	19658	28214	19469	56480	4423	43636	41766	68828	42125	533196
2012-13	51497	94509	59834	25976	20308	36739	21102	58675	4496	48942	44111	72021	45178	583388
2013-14	60022	96582	61103	24108	23576	38278	23141	59417	5710	57755	54965	78283	51502	634442
2014-15	62059	106810	67151	24695	24875	36627	22913	56481	5878	49384	59775	85476	53414	655538
2015-16	62158	107569	69312	23923	24791	36636	23954	56220	9736	55169	57542	79997	56135	663142
2016-17	65879	111167	80497	26799	28285	36851	24791	55823	12313	53164	61020	81944	32606	671139
2017-18	67799	122592	75124	27384	29119	36722	23941	53445	14798	55550	64922	94419	32543	698358

Table 3.2.10 (Contd...)

## Operating Financial Parameters for Major Ports

(Rs. In Lakh)

Item/Year	Deendayal	Mumbai	J.L. Nehru	Mormugao	New Mangalore	Cochin	V.O. Chidambarnar	Chennai	Kamarajar	Visakha patnam	Paradip	Haldia Dock Complex	Kolkata Dock System	All Ports
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<b>Operating Surplus</b>														
1996-97	8077	21815	10624	2183	6041	4318	2760	10915	-	10455	6360	15310	6090	104948
1997-98	10095	21115	15033	2716	8302	4419	3808	10187	-	9581	7341	20411	7145	120153
1998-99	14602	17291	19622	2046	7241	3341	4079	9478	-	9250	5938	18039	6222	117149
1999-00	9878	10989	14018	3032	7650	3315	3789	7176	-	10553	6108	15885	4730	97123
2000-01	6558	(-3663)	11509	2030	6554	3014	5445	4564	-	11115	11119	26834	(-54)	85025
2001-02	7472	1716	16482	5484	8632	3133	5896	5888	1346	17134	9630	44086	901	127800
2002-03	7226	2793	22894	5927	10638	5347	6360	6521	5427	20988	16942	19694	669	131426
2003-04	4533	3781	30525	7296	11605	5958	5984	10717	4788	23303	19977	27045	(-540)	154972
2004-05	6348	11176	35828	7627	15957	6123	7342	11717	5027	27834	23197	31048	1403	190627
2005-06	8131	19983	39999	7876	13461	6391	9747	11874	5281	28536	25154	26331	7261	210025
2006-07	11940	25528	51484	9772	12662	6450	11404	18689	7103	28996	31416	41787	8225	265456
2007-08	9360	25090	57703	6288	13122	3889	12059	22724	9014	28609	38920	49480	11821	288079
2008-09	8230	17886	58969	5571	14905	1294	12126	21598	10243	24986	33854	45291	6511	261464
2009-10	8230	17886	58969	5571	14905	(-87)	12126	21598	10243	24986	33854	45291	6511	261464
2009-10	4828	8853	57136	4024	11773	(-87)	10112	13865	10692	13502	30611	34302	-1883	195360
2010-11	10975	18000	67818	13014	12032	(-87)	14137	10418	13468	33093	31423	37007	5737	267281
2011-12	11773	20158	66752	10031	17568	(-88)	11298	6231	20442	29006	22173	29431	14481	261840
2012-13	26544	20935	48677	-3789	13154	-5578	15300	4409	28075	21346	24262	7794	5231	206360
2013-14	14390	33906	73426	-2961	12936	-2024	14567	616	46356	22327	36495	26042	1663	277739
2014-15	26410	33168	83657	3980	14491	1955	23771	13394	50766	31601	41840	32186	6283	363502
2015-16	28699	40223	97198	10362	11680	7089	16100	-2032	49762	35584	44848	28864	8933	377310
2016-17	72436	36613	89600	17561	17166	12772	35002	21720	46935	38594	53699	39793	26927	508818
2017-18	79736	33454	113964	15184	21356	15957	37543	22992	45271	51051	67768	55476	34119	593871
<b>Net Surplus (before tax)</b>														
1996-97	16279	19192	14252	2143	4147	2265	2646	17445	-	7398	4680	12907	1419	104773
1997-98	19020	17360	20475	3020	6914	4507	3624	16816	-	7505	5071	17050	297	121659
1998-99	21110	10764	23545	2274	3915	3125	3637	17094	-	6883	4801	11282	(-1680)	106750
1999-00	21492	8341	13305	2344	5572	271	3689	14526	-	2900	4670	8194	(-3830)	81474
2000-01	17065	(-36735)	10121	2220	4289	(-3375)	3738	3760	-	1946	7288	9657	(-10411)	9563
2001-02	19240	(-15950)	11297	773	4969	(-3502)	4049	21354	(-3596)	4283	3285	16848	(-4810)	58240
2002-03	17207	31386	17935	2336	5524	1940	5056	12668	656	5757	7889	12675	(-5550)	115478
2003-04	9062	(-16254)	26206	2737	5940	2134	5566	7419	(-579)	7781	12770	18865	(-9320)	66459
2004-05	19343	4676	33613	2265	7798	364	6919	11595	1001	1048	14117	23229	(-7192)	109747
2005-06	20001	28320	43716	4735	14368	2960	9039	15836	932	20564	19132	25049	2016	204439
2006-07	21624	18698	56915	4047	10916	2666	11345	26279	3462	18782	29292	43535	2976	250537
2007-08	24709	26796	67759	3985	12696	449	11560	43126	3943	11144	33090	43250	9737	292244
2008-09	22349	10749	71230	1133	14801	(-1475)	12346	26666	5224	16499	34654	19411	(-13761)	235062
2009-10	20168	2999	78337	2306	12866	(-8926)	13187	21115	5893	4375	43922	19158	(-7030)	224326
2010-11	16148	13995	78667	5499	10826	(-8608)	14897	6806	6986	17408	41595	18740	(-4335)	231567
2011-12	22751	7666	89295	2436	16657	(-8392)	14703	2213	12078	-9939	33306	8944	4880	204990
2012-13	38966	(-4283)	73017	(-) 10755	15126	(-6515)	12922	1827	21674	3704	26939	(-) 20788	(-) 9034	194175
2013-14	13315	(-9759)	76706	(-)10568	12701	(-)10790	14355	1738	40020	3204	34010	(-) 1594	(-) 5430	196049
2014-15	46935	-20984	84242	-3373	13094	(-)7204	21900	2309	42582	10337	41729	-1312	-5534	231925
2015-16	42212	-47357	109162	569	11718	-4053	18142	4221	37572	3585	39275	-2439	-21883	190724
2016-17	69386	-32685	134474	5912	14425	-2716	17117	1259	48009	4532	42299	8699	-25601	285110
2017-18	54645	-41653	144226	221	19054	1354	16672	4029	42328	24969	54265	35969	-19477	336602

Table 3.2.11

## Operating Ratio for Major Ports

(In Percentage)

Item/Year	Deen dayal	Mumbai	J.L. Nehru	Mormugao	New Mangalore	Cochin	V. O. Chidambaranar	Chennai	Kamarajar	Visakha patnam	Paradip	Haldia Dock Complex	Kolkata Dock System	All Ports
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1994-95	46.32	63.27	56.88	71.34	63.17	75.87	72.07	57.31	-	62.35	56.20	56.12	74.98	61.79
1995-96	48.05	53.89	49.49	79.58	73.67	76.23	52.14	59.54	-	60.16	56.88	47.96	71.65	57.81
1996-97	49.57	63.19	56.82	75.84	49.00	68.65	53.09	60.16	-	61.46	60.91	52.04	72.70	60.46
1997-98	47.05	65.18	53.03	75.44	46.42	71.57	49.35	66.20	-	64.84	58.46	53.80	70.92	60.62
1998-99	37.13	71.53	48.78	83.08	53.26	79.49	52.25	69.83	-	66.21	65.63	71.95	76.23	65.67
1999-00	56.14	79.37	61.86	77.45	55.29	81.63	57.97	78.83	-	65.63	66.88	72.00	81.61	71.07
2000-01	63.76	107.89	64.72	87.46	62.62	83.58	52.47	87.68	-	68.12	57.58	62.26	100.22	76.02
2001-02	58.41	96.08	57.37	70.76	55.58	83.25	49.63	82.67	56.26	56.62	67.60	51.83	96.11	67.23
2002-03	65.91	93.91	48.12	68.40	47.44	73.35	48.95	80.56	29.40	50.91	55.56	69.72	96.93	66.45
2003-04	78.50	91.79	43.38	64.87	48.23	70.42	51.98	70.92	44.09	48.70	51.60	63.75	102.81	63.35
2004-05	73.13	80.43	43.14	64.63	40.39	70.49	46.72	70.97	45.36	44.54	50.79	59.96	93.23	59.59
2005-06	68.01	69.73	40.33	64.37	47.15	67.88	38.71	72.49	42.80	46.00	51.02	68.36	74.63	58.84
2006-07	63.95	66.33	35.87	62.11	50.53	69.59	37.68	65.07	29.71	45.67	47.36	56.38	73.79	54.38
2007-08	72.60	61.21	35.22	57.22	51.60	69.73	30.78	63.82	17.65	49.40	49.34	44.09	68.13	42.70
2008-09	79.87	77.88	38.90	79.77	50.48	93.79	44.81	67.84	25.65	58.34	51.41	55.48	82.15	60.83
2009-10	80.25	80.46	37.78	71.98	57.55	100.37	49.34	74.18	21.62	70.33	52.16	69.28	85.10	65.58
2010-11	77.69	81.21	39.59	65.00	60.92	99.42	45.85	84.77	19.50	55.20	55.45	59.93	87.52	65.75
2011-12	81.12	80.30	42.81	72.07	52.81	91.87	46.48	90.06	17.67	60.07	65.32	70.06	74.4	66.40
2012-13	65.99	81.87	55.44	117.08	58.93	117.9	57.97	93.01	13.8	69.63	64.62	97.57	89.62	74.36
2013-14	80.66	74.02	45.42	114.00	64.57	105.58	61.37	98.97	10.97	74.87	60.10	75.04	96.87	69.79
2014-15	70.15	76.30	45.82	86.12	64.22	94.93	49.08	80.83	10.38	71.35	59.68	72.65	89.48	65.59
2015-16	63.29	72.77	41.63	69.78	67.97	83.79	43.47	74.10	16.69	60.79	56.20	73.49	77.47	60.73
2016-17	47.63	75.22	47.32	60.41	62.23	74.26	41.46	71.99	20.78	57.94	53.19	67.31	54.77	59.46
2017-18	45.95	78.56	39.73	64.33	57.69	69.71	38.94	69.92	24.64	52.11	48.93	62.99	48.82	54.04

Table 3.2.12

## Employment of Manpower at Major Ports as on 31st March (2007-2018)

In Numbers)

PORT	Year											
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
1	2	3	4	5	6	7	8	9	10	11	12	13
DPT	3414	4237	4149	4008	3774	4500	4221	3299	3112	2883	3339	2586
MbPT(a)	14935	14481	14296	14059	13391	16379	15358	12017	10897	9969	9445	8629
JNPT	1766	1763	1746	1739	1730	1718	1706	1697	1669	1638	1615	1567
MoPT	3082	3018	2967	2891	2817	2665	2538	2330	2194	2068	1954	1730
NMPT(c)	1832	1770	1819	1719	1636	1544	1435	1332	1255	1125	947	808
CoPT(a)	4823	4306	4103	3948	3749	3005	2766	2530	2308	2067	1899	1723
VOC(b)	2407	2259	2224	2191	2079	1954	1813	1646	1496	1366	1000	878
ChPT	9755	9065	8117	8020	7774	7511	6582	5991	5733	5502	4597	4336
KPL	45	59	65	86	88	94	100	102	102	102	103	98
VPT	5208	5069	5052	4877	4584	4189	4941	4703	4596	4158	3678	2778
PPT	3013	2910	2851	2761	2634	2437	2234	2015	1771	1454	1222	1007
KDS	6138	5925	5869	5675	5374	5068	4828	4503	4150	3792	3425	3754
HDC	3793	3694	3620	3498	3304	3111	2887	2678	2454	2193	2011	1836
<b>ALL MAJOR PORTS</b>	<b>60211</b>	<b>58556</b>	<b>56878</b>	<b>55472</b>	<b>52934</b>	<b>54175</b>	<b>51409</b>	<b>44843</b>	<b>41737</b>	<b>38317</b>	<b>35235</b>	<b>31730</b>

(a) DLB merged with Port.

(b) Includes workers of cargo handling Labour Pool(TPTCHLP)..

(c) Includes workers of New Mangalore Port Cargo Handling workers (Regulation of Employment) Scheme,1990.

**Table  
3.2.13****Number of Dock Workers Registered With DLB'S of Major  
Ports  
[As on 31st March,2007-2018]****(In Numbers)**

PORT												
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
1	2	3	4	5	6	7	8	9	10	11	12	13
DPT	646	(a)	(a)	(a)	789	(a)	(a)	(a)	(a)	593	593	
MbPT	(a)	(a)	(a)	(a)	2586	(a)	(a)	(a)	(a)	1946	(a)	(a)
MoPT	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
CoPT	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
ChPT	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
VPT	966	925	-	978	859	874	846	892	868	829	798	738
KDS	290	195	177	140	100	215	181	173	154	137	116	85
<b>TOTAL</b>	<b>1902</b>	<b>1120</b>	<b>177</b>	<b>1118</b>	<b>4334</b>	<b>1089</b>	<b>1027</b>	<b>1065</b>	<b>1022</b>	<b>3505</b>	<b>1507</b>	<b>823</b>

(a) Dock Labour Board merged with Port Trust.

**Table  
3.2.14****Number of Dock Workers Registered Listed With Major  
Ports  
[As on 31st March,2007-2018]****(In Numbers)**

PORT												
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
1	2	3	4	5	6	7	8	9	10	11	12	13
ChPT	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	
VPT	159	139	-	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>159</b>	<b>139</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

(a) DLB merged with Port.

Table 3.3.1

**Trend in Cargo Traffic Handled At Non-Major 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
<b>GUJARAT</b>									
2007-08	93761	40210	133971	8675	7875	16550	102436	48085	150521
2008-09	99713	34717	134430	10921	7460	18381	110634	42177	152811
2009-10	129885	42967	172852	15242	17489	32731	145127	60456	205583
2010-11	136606	59900	196506	16896	17505	34401	153502	77405	230907
2011-12	157742	63572	221314	17749	19987	37736	175491	83559	259050
2012-13	185321	66824	252145	17747	17925	35672	203068	84749	287817
2013-14	207152	76215	283367	19898	6680	26578	227050	82895	309945
2014-15	223090	81735	304825	16437	14833	31270	239527	96568	336095
2015-16	223393	83215	306608	15449	17721	33170	238842	100936	339778
2016-17	225076	82187	307263	19998	18478	38476	245074	100665	345739
2017-18	239184	89035	328219	21616	20934	42550	260800	109969	370769
<b>MAHARASHTRA</b>									
2007-08	3840	1520	5360	5686	317	6003	9526	1837	11363
2008-09	2893	2376	5269	4813	334	5147	7706	2710	10416
2009-10	4971	646	5617	6092	337	6429	11063	983	12046
2010-11	4730	2411	7141	7539	195	7734	12269	2606	14875
2011-12	9196	3421	12617	7102	228	7330	16298	3649	19947
2012-13	11630	3131	14761	8759	678	9437	20389	3809	24198
2013-14	13987	2613	16600	7912	152	8064	21899	2765	24664
2014-15	15900	2623	18523	7050	1722	8772	22950	4345	27295
2015-16	18748	2319	21067	5726	2056	7782	24474	4375	28849
2016-17	23897	1403	25300	5113	4481	9594	29010	5884	34894
2017-18	19024	938	19962	12927	5017	17944	31951	5955	37906
<b>GOA</b>									
2007-08	89	12657	12746	-	79	79	89	12736	12825
2008-09	-	11900	11900	-	1	1	-	11901	11901
2009-10	218	13679	13897	-	-	-	218	13679	13897
2010-11	96	14468	14564	17	-	17	113	14468	14581
2011-12	165	14305	14470	-	-	-	165	14305	14470
2012-13	113	3276	3389	-	-	-	113	3276	3389
2013-14	284	-	284	-	-	-	284	-	284
2014-15	412	347	759	1	-	1	413	347	760
2015-16	170	260	430	-	-	-	170	260	430
2016-17	-	-	-	15	102	117	15	102	117
2017-18	-	-	-	10	62	72	10	62	72
<b>ANDHRA PRADESH</b>									
2007-08	8900	7151	16051	533	2706	3239	9433	9857	19290
2008-09	14689	11882	26571	898	2251	3149	15587	14133	29720
2009-10	22546	17781	40327	1441	1922	3363	23987	19703	43690
2010-11	28663	11523	40186	1337	1744	3081	30000	13267	43267
2011-12	31364	8558	39922	2208	3503	5711	33572	12061	45633
2012-13	36643	9357	46000	3960	1851	5811	40603	11208	51811
2013-14	41766	10090	51856	4801	2035	6836	46567	12125	58692
2014-15	66586	7503	74089	6371	2958	9329	72957	10461	83418
2015-16	54774	7730	62504	8405	1824	10229	63179	9554	72733
2016-17	47408	11274	58682	8442	2479	10921	55850	13753	69603
2017-18	61466	13606	75072	7472	3741	11213	68938	17347	86285

Note:- Gujarat Container cargo is included in Overseas ( Unloaded 330.27 Lakh tonnes &amp; Loaded 332.85 Lakh tonnes )

**Table  
3.3.1(Contd...)**

**Trend in Cargo Traffic Handled At Non-Major 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
<b>KARNATAKA</b>									
2007-08	66	8613	8679	132	88	220	198	8701	8899
2008-09	55	4796	4851	27	90	117	82	4886	4968
2009-10	120	8186	8306	171	70	241	291	8256	8547
2010-11	86	2778	2864	99	132	231	185	2910	3095
2011-12	82	353	435	85	72	157	167	425	592
2012-13	216	225	441	80	89	169	296	314	610
2013-14	287	117	404	103	2	105	390	119	509
2014-15	252	188	440	96	115	211	348	303	651
2015-16	285	268	553	172	110	282	457	378	835
2016-17	296	78	374	221	113	334	517	191	708
2017-18	319	0	319	281	80	361	600	80	680
<b>KERALA</b>									
2007-08	-	11	11	17	76	93	17	87	104
2008-09	-	21	21	48	62	110	48	83	131
2009-10	-	14	14	34	71	105	34	85	119
2010-11	1	8	9	37	78	115	38	86	124
2011-12	-	6	6	17	81	98	17	87	104
2012-13	-	8	8	16	72	88	16	80	96
2013-14	2	-	2	16	72	88	18	72	90
2014-15	-	7	7	56	96	152	56	103	159
2015-16	6	10	16	22	106	128	28	116	144
2016-17	2	7	9	19	112	131	21	119	140
2017-18	0	6	6	12	120	132	12	126	138
<b>TAMIL NADU</b>									
2007-08	159	14	173	462	252	714	621	266	887
2008-09	85	-	85	515	298	813	600	298	898
2009-10	218	11	229	621	324	945	839	335	1174
2010-11	306	7	313	811	487	1298	1117	494	1611
2011-12	307	1	308	544	358	902	851	359	1210
2012-13	285	8	293	289	351	640	574	359	933
2013-14	306	9	315	243	308	551	549	317	866
2014-15	292	5	297	307	221	528	599	226	825
2015-16	424	15	439	145	272	417	569	287	856
2016-17	612	29	641	232	279	511	844	308	1152
2017-18	414	123	537	193	374	566	607	496	1103
<b>PUDUCHERRY</b>									
2007-08	10	-	10	-	-	-	10	-	10
2008-09	47	-	47	-	-	-	47	-	47
2009-10	1278	38	1316	-	-	-	1278	38	1316
2010-11	4627	101	4728	-	-	-	4627	101	4728
2011-12	6240	168	6408	-	13	13	6240	181	6421
2012-13	6436	431	6867	-	42	42	6436	473	6909
2013-14	5938	306	6244	-	37	37	5938	343	6281
2014-15	4499	89	4588	322	48	370	4821	137	4958
2015-16	5569	138	5707	267	-	267	5836	138	5974
2016-17	7638	26	7664	763	685	1448	8401	711	9112
2017-18	7275	689	7964	156	2	158	7431	691	8122



**Table  
3.3.1(Contd...)**

**Trend in Cargo Traffic Handled At Non-Major 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
<b>ODISHA</b>									
2007-08	206	89	295	-	-	-	206	89	295
2008-09	201	94	295	-	-	-	201	94	295
2009-10	174	291	465	-	-	-	174	291	465
2010-11	174	291	465	-	-	-	174	291	465
2011-12	5064	-	5064	-	20	20	5064	20	5084
2012-13	8733	288	9021	-	2047	2047	8733	2335	11068
2013-14	10225	924	11149	-	3222	3222	10225	4146	14371
2014-15	14051	99	14150	-	1302	1302	14051	1401	15452
2015-16	13891	576	14467	63	419	482	13954	995	14949
2016-17	14511	4007	18518	69	3886	3955	14580	7893	22473
2017-18	14970	3623	18593	104	3898	4002	15074	7521	22595
<b>ANDAMAN NICOBAR ISLANDS</b>									
2007-08	9	-	9	1341	809	2150	1350	809	2159
2008-09	76	-	76	1258	675	1933	1334	675	2009
2009-10\$	476	10	486	1082	506	1588	1558	516	2074
2010-11	342	-	342	985	352	1337	1327	352	1679
2011-12	10	-	10	950	248	1198	960	248	1208
2012-13	7	-	7	854	205	1059	861	205	1066
2013-14 a	51	-	51	797	301	1098	848	301	1149
2014-15 b	17	-	17	874	265	1139	891	265	1156
2015-16 c	45	-	45	999	279	1278	1044	279	1323
2016-17 d	48	-	48	939	289	1228	987	289	1276
2017-18 e	139	-	139	973	306	1279	1112	306	1418
<b>LAKSHADWEEP</b>									
2007-08	-	-	-	26	-	26	26	-	26
2008-09	-	-	-	26	-	26	26	-	26
2009-10	-	-	-	26	-	26	26	-	26
2010-11	-	-	-	26	-	26	26	-	26
2011-12	-	-	-	26	-	26	26	-	26
2012-13	-	-	-	26	-	26	26	-	26
2013-14	-	-	-	115	4	119	115	4	119
2014-15(P)	-	-	-	115	4	119	115	4	119
2015-16 #	-	-	-	-	-	-	-	-	-
2016-17 #	-	-	-	-	-	-	-	-	-
2017-18 #	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>									
2007-08	107040	70265	177305	16872	12202	29074	123912	82467	206379
2008-09	117759	65786	183545	18506	11171	29677	136265	76957	213222
2009-10	159886	83623	243509	24709	20719	45428	184595	104342	288937
2010-11	175631	91487	267118	27747	20493	48240	203378	111980	315358
2011-12	210170	90384	300554	28681	24510	53191	238851	114894	353745
2012-13	249384	83548	332932	31731	23260	54991	281115	106808	387923
2013-14	279998	90274	370272	33885	12813	46698	313883	103087	416970
2014-15	325099	92596	417695	31629	21564	53193	356728	114160	470888
2015-16	317305	94531	411836	31248	22787	54035	348553	117318	465871
2016-17	319488	99011	418499	35811	30904	66715	355299	129915	485214
2017-18	342791	108020	450811	43744	34534	78278	386535	142554	529089

Table 3.3.2

**Cargo Traffic Handled At Non-Major Ports  
State-Wise & Commodity Wise.**

(In'000 Tonnes)

States	POL & Products	Iron ore	Building Material	Coal	Fertiliser & FRM	Others	Total
1	2	3	4	5	6	7	8
<b>GUJARAT</b>							
2003-04	52538	4232	11226	6500	1969	10867	87332
2004-05	56479	4052	11512	9926	2342	11830	96141
2005-06	60149	5191	11000	10541	3636	13010	103527
2006-07	71159	5713	11231	11306	4208	27648	131265
2007-08	80484	6076	12430	13313	4361	33857	150521
2008-09	87382	5900	9585	16464	5092	28388	152811
2009-10	132817	6845	9321	21636	5021	29943	205583
2010-11	140874	7156	8798	29731	6085	38263	230907
2011-12	151487	6919	9022	38372	7185	46065	259050
2012-13	165137	7636	8408	54337	6418	45881	287817
2013-14	165578	5169	10002	65759	5950	57487	309945
2014-15	163631	5632	8925	79987	7529	70391	336095
2015-16	174875	7511	9075	65903	10331	72083	339778
2016-17	180315	9379	9730	62421	8704	75190	345739
2017-18	188465	11584	10509	65962	5475	88774	370769
<b>MAHARASHTRA</b>							
2003-04	185	4573	1334	2911	117	1212	10332
2004-05	320	5471	3286	3592	194	1280	14143
2005-06	230	4947	1495	2550	38	1896	11156
2006-07	576	4582	1772	2290	473	1887	11580
2007-08	396	3735	2251	1992	442	2547	11363
2008-09	0	4273	2352	1460	277	2054	10416
2009-10	0	5055	2199	2880	221	1691	12046
2010-11	0	5120	2277	4997	228	2253	14875
2011-12	0	6362	2490	7589	230	3276	19947
2012-13	397	7818	2042	10396	84	3461	24198
2013-14	1123	7615	1998	9715	140	4073	24664
2014-15	1248	8824	2120	10924	171	4008	27295
2015-16	3225	7611	2243	12173	151	3446	28849
2016-17	2161	15049	2506	11137	243	3798	34894
2017-18	2528	13378	2125	15481	870	3523	37906
<b>GOA</b>							
2003-04	0	8007	0	418	0	11	8436
2004-05	0	8193	0	0	0	8	8201
2005-06	0	11428	0	333	0	1	11762
2006-07	0	14027	0	279	0	0	14306
2007-08	0	12736	0	89	0	0	12825
2008-09	0	11901	0	0	0	0	11901
2009-10	0	13679	0	218	0	0	13897
2010-11	0	14581	0	0	0	0	14581
2011-12	0	14305	0	165	0	0	14470
2012-13	0	3276	0	113	0	0	3389
2013-14	0	0	0	284	0	0	284
2014-15	0	347	1	412	0	0	760
2015-16	0	260	0	170	0	0	430
2016-17	0	117	0	0	0	0	117
2017-18	0	72	0	0	0	0	72

Note : Gujarat - Containers cargo is included.

Table 3.3.2(Contd...)

**Cargo Traffic Handled At Non-Major Ports  
State-Wise & Commodity Wise.**

(In'000 Tonnes)

States	POL & Products	Iron ore	Building Material	Coal	Fertiliser & FRM	Others	Total
1	2	3	4	5	6	7	8
<b>ANDHRA PRADESH</b>							
2003-04	6486	36	469	22	1121	1887	10021
2004-05	9956	957	910	0	1303	1941	15067
2005-06	8507	3876	410	138	1837	2906	17674
2006-07	8490	3876	343	138	1950	3812	18609
2007-08	9208	3593	97	49	1977	4366	19290
2008-09	9438	9465	155	3520	3231	3911	29720
2009-10	3666	15263	708	15243	4174	4636	43690
2010-11	2786	8957	484	19618	5799	5623	43267
2011-12	3508	2974	859	23512	7035	7745	45633
2012-13	1762	977	1111	30854	5135	11972	51811
2013-14	1707	1475	1550	35957	5455	12548	58692
2014-15	1403	10526	2492	48662	5362	14973	83418
2015-16	1428	1620	1978	46203	5956	15548	72733
2016-17	2712	2983	1656	39521	4870	17861	69603
2017-18	1449	5949	1731	45262	5106	26788	86285
<b>KARNATAKA</b>							
2003-04	154	492	8	0	25	489	1168
2004-05	106	2724	8	0	15	653	3506
2005-06	98	3398	9	4	30	578	4117
2006-07	141	5775	10	2	102	531	6561
2007-08	55	8042	5	0	36	761	8899
2008-09	17	4283	7	13	29	619	4968
2009-10	36	7841	29	0	0	641	8547
2010-11	31	2322	77	0	17	648	3095
2011-12	0	0	19	0	29	544	592
2012-13	38	0	0	5	52	515	610
2013-14	38	0	0	6	75	390	509
2014-15	40	0	85	0	47	479	651
2015-16	82	0	81	0	57	615	835
2016-17	111	0	86	0	40	470	707
2017-18	182	0	44	0	36	419	680
<b>KERALA</b>							
2003-04	3	0	6	0	0	49	58
2004-05	9	0	16	0	0	56	81
2005-06	12	0	11	0	0	112	135
2006-07	12	0	16	0	0	144	172
2007-08	2	0	19	0	0	83	104
2008-09	11	0	40	0	0	80	131
2009-10	1	0	26	0	0	92	119
2010-11	16	0	11	0	0	97	124
2011-12	4	0	87	0	0	13	104
2012-13	7	0	30	0	0	59	96
2013-14	8	0	15	0	0	67	90
2014-15	18	0	18	0	0	123	159
2015-16	19	0	1	0	0	124	144
2016-17	19	0	0	0	0	121	140
2017-18	22	0	0	0	0	116	138

Table 3.3.2(Contd...)

**Cargo Traffic Handled At Non-Major Ports  
State-Wise & Commodity Wise.**

(In'000 Tonnes)

States	POL & Products	Iron ore	Building Material	Coal	Fertiliser & FRM	Others	Total
1	2	3	4	5	6	7	8
<b>TAMIL NADU</b>							
2003-04	608	0	2	0	54	26	690
2004-05	755	0	18	0	53	28	854
2005-06	592	0	0	0	56	63	711
2006-07	667	0	8	0	69	61	805
2007-08	713	0	5	0	93	76	887
2008-09	803	0	0	0	21	74	898
2009-10	1035	0	0	0	45	94	1174
2010-11	1503	0	7	0	58	43	1611
2011-12	1114	0	7	0	46	43	1210
2012-13	631	0	6	0	252	44	933
2013-14	788	0	27	0	41	10	866
2014-15	419	0	1	0	292	113	825
2015-16	546	0	4	0	30	276	856
2016-17	302	0	0	0	36	814	1152
2017-18	424	0	4	0	32	645	1103
<b>PUDUCHERRY</b>							
2003-04	0	0	67	0	0	41	108
2004-05	0	0	24	0	0	35	59
2005-06	0	0	57	0	0	39	96
2006-07	0	0	17	0	0	17	34
2007-08	0	0	0	0	0	10	10
2008-09	0	0	0	0	0	47	47
2009-10	0	0	22	1157	0	137	1316
2010-11	0	0	2	3974	500	252	4728
2011-12	45	0	52	4839	1213	272	6421
2012-13	411	495	78	4666	607	652	6909
2013-14	333	588	177	4453	349	381	6281
2014-15	322	336	128	3344	551	277	4958
2015-16	267	69	312	4658	421	247	5974
2016-17	272	499	756	6967	63	555	9112
2017-18	156	696	822	6094	62	291	8121
<b>ODISHA</b>							
2003-04	0	0	0	0	0	0	0
2004-05	0	0	0	0	0	0	0
2005-06	0	0	0	0	0	0	0
2006-07	0	0	0	0	0	0	0
2007-08	0	41	0	0	201	53	295
2008-09	0	41	0	0	201	53	295
2009-10	0	130	0	142	32	161	465
2010-11	0	130	0	142	32	161	465
2011-12	0	56	0	4563	0	465	5084
2012-13	0	1653	0	8893	0	522	11068
2013-14	0	3491	0	10147	0	733	14371
2014-15	0	1129	0	13408	0	915	15452
2015-16	0	312	0	12767	0	1870	14949
2016-17	0	6427	50	13709	281	2006	22473
2017-18	0	4916	29	13860	134	3656	22595

Table 3.3.2(Contd...)

**Cargo Traffic Handled At Non-Major Ports  
State-Wise & Commodity Wise.**

(In'000 Tonnes)

States	POL & Products	Iron ore	Building Material	Coal	Fertiliser & FRM	Others	Total
1	2	3	4	5	6	7	8
<b>ANDAMAN NICOBAR ISLANDS</b>							
2003-04	127	0	219	0	0	348	694
2004-05	141	0	358	0	2	381	882
2005-06	136	0	412	0	17	350	915
2006-07	155	0	994	0	16	399	1564
2007-08	177	0	1457	0	2	523	2159
2008-09	165	0	1120	0	4	720	2009
2009-10	165	0	837	0	8	1064	2074
2010-11	168	0	671	0	6	834	1679
2011-12	164	0	330	0	4	710	1208
2012-13	182	0	278	0	0	606	1066
2013-14	181	0	342	0	0	626	1149
2014-15	176	0	387	0	0	593	1156
2015-16	199	0	479	0	0	645	1323
2016-17	178	0	386	0	0	712	1276
2017-18	196	0	324	25	0	873	1418
<b>LAKSHADWEEP</b>							
2003-04	0	0	0	0	0	26	26
2004-05	0	0	0	0	0	26	26
2005-06	0	0	0	0	0	26	26
2006-07	0	0	0	0	0	26	26
2007-08	0	0	0	0	0	26	26
2008-09	0	0	0	0	0	26	26
2009-10	0	0	0	0	0	26	26
2010-11	0	0	0	0	0	26	26
2011-12	0	0	0	0	0	26	26
2012-13	0	0	0	0	0	26	26
2013-14	21	0	67	0	0	31	119
2014-15(P)	21	0	67	0	0	31	119
2015-16	0	0	0	0	0	0	0
2016-17	0	0	0	0	0	0	0
2017-18	0	0	0	0	0	0	0
<b>TOTAL</b>							
2003-04	60101	17340	13331	9851	3286	14956	118865
2004-05	67766	21397	16132	13518	3909	16238	138960
2005-06	69724	28840	13394	13566	5614	18981	150119
2006-07	81200	33973	14391	14015	6818	34525	184922
2007-08	91035	34223	16264	15443	7112	42302	206379
2008-09	97816	35863	13259	21457	8855	35972	213222
2009-10	137720	48813	13142	41276	9501	38485	288937
2010-11	145378	38266	12327	58462	12725	48200	315358
2011-12	156322	30616	12866	79040	15742	59159	353745
2012-13	168565	21855	11953	109264	12548	63738	387923
2013-14	169777	18338	14178	126321	12010	76346	416970
2014-15	167278	26794	14224	156737	13952	91903	470888
2015-16	180641	17383	14173	141874	16946	94854	465871
2016-17	186070	34454	15170	133755	14237	101527	485213
2017-18	193422	36596	15588	146684	11714	125085	529089

Table 3.3.3

**Transshipment Traffic at Non-Major Ports**

(In '000 Tonnes)

State/Port	Commodity	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
1	2	3	4	5	6	7	8	9
<b>GUJARAT</b>								
Magdalla	Others	-	-	-	-	414	-	-
<b>MAHARASHTRA</b>								
Dharamtar		-	-	-	-	-	-	-
<b>ANDHRA PRADESH</b>								
Deep water	Crude oil	108	226	-	-	-	-	-
<b>Karnataka</b>								
Belekeri	Barges	-	-	-	-	-	1	-
Hangakatta	Barges	-	-	-	-	-	1	-
Malpe	Barges	-	-	-	-	-	1	-
<b>TAMIL NADU</b>								
Nagapattinam	Others	-	-	-	-	2	1	-
Cuddalore		-	-	-	-	-	2	-
<b>Kerala</b>								
Kozhikode/Beyepore		-	-	-	-	-	-	-
Koavalam/Vizhinjan	Others	-	-	-	7	-	-	-
<b>PUDUCHERRY</b>								
Karaikal	Ethylene	-	-	-	20	9	-	-
<b>ANDAMAN &amp; NICOBAR</b>								
Port Blair	Container	-	-	-	-	6	34	30
<b>Total Transshipmer</b>		<b>108</b>	<b>226</b>	<b>0</b>	<b>27</b>	<b>431</b>	<b>40</b>	<b>30</b>

**Table 3.3.4 Passenger Traffic Handled At Non-Major Ports**

('00 Nos.)

Year	Overseas		Coastal		Total	
	Embarked	Dis-embarked	Embarked	Dis-embarked	Embarked	Dis-embarked
1	2	3	4	5	6	7
2008-09	23	23	91981	80984	92004	81007
2009-10	7	7	73322	61894	73329	61901
2010-11	3	3	73412	61935	73415	61938
2011-12	32	32	110696	98984	110728	99016
2012-13	36	37	113729	102643	113765	102680
2013-14	45	45	113030	101729	113075	101774
2014-15	34	34	104792	89484	104826	89518
2015-16	406	517	116879	102259	117285	102776
2016-17	270	384	120277	105055	120547	105439
2017-18	224	250	128942	112202	129166	112452

**Table 3.3.5****Passenger Traffic Handled at Non-Major Port -Maritime State-wise**

(In '00 Nos.)

State/UT/Port	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
1	2	3	4	5	6	7	8	9	10	11
<b>GUJARAT</b>	0	2	0	0	0	0	0	0	0	10
Embarked	-	1	-	-	-	-	-	-	-	5
Disembarked	-	1	-	-	-	-	-	-	-	5
<b>MAHARASHTRA</b>	142114	105648	105648	179264	184152	177995	178345	180722	182823	191193
Embarked	76718	58598	58598	95486	97582	94774	96929	97695	99278	104392
Disembarked	65396	47050	47050	83778	86570	83221	81416	83027	83545	86801
<b>KERALA</b>	153	151	211	11	182	247	230	173	183	158
Embarked	73	72	101	5	92	147	124	92	93	76
Disembarked	80	79	110	6	90	100	106	81	90	82
<b>TAMILNADU</b>	18580	19330	19250	20380	20698	20698	0	19918	20800	21856
Embarked	9290	9665	9625	10190	10349	10349	0	9959	10400	10928
Disembarked	9290	9665	9625	10190	10349	10349	0	9959	10400	10928
<b>KARNATAKA</b>	30	12	46	2	16	76	106	54	54	108
Embarked	15	8	23	1	8	40	52	28	28	64
Disembarked	15	4	23	1	8	36	54	26	26	44
<b>ANDAMAN GROUP</b>	12061	10087	10198	10087	11397	12607	12437	19201	22126	28293
Embarked	5835	4985	5068	5046	5734	6151	6107	9513	10748	13701
Disembarked	6226	5102	5130	5041	5663	6456	6330	9688	11378	14592
<b>LAKSHADWEEP</b>	0	0	0	0	0	3226	3226	0	0	0
Embarked	-	-	-	-	-	1614	1614	-	-	-
Disembarked	-	-	-	-	-	1612	1612	-	-	-
<b>ALL MINOR/ INTERMEDIATE PORTS</b>	<b>172938</b>	<b>135230</b>	<b>135353</b>	<b>209744</b>	<b>216445</b>	<b>214849</b>	<b>194344</b>	<b>220068</b>	<b>225986</b>	<b>241618</b>
Embarked	91931	73329	73415	110728	113765	113075	104826	117287	120547	129166
Disembarked	81007	61901	61938	99016	102680	101774	89518	102781	105439	112452



Table 3.3.6

## Number Of Steamers/Sailing Vessels Entering Non-Major Ports in Various Maritime States-Wise

(In Number)

Type of vessels/year	Gujarat	Maharashtra	Goa	Karnataka	Kerala	Tamil Nadu	Puducherry	Andhra Pradesh *	Odisha	Sea Island #
1	2	3	4	5	6	7	8	9	10	11
<b>STEAMERS</b>										
2011-12	9125	401	-	137	151	126	206	719	-	6236
2012-13	9045	401	-	127	172	98	184	741	-	6647
2013-14	8577	95	-	120	216	136	184	741	-	9459
2014-15	8577	334	-	154	184	171	149	2565	-	5993
2015-16	N.A	N.A	-	151	156	272	177	1912	-	6405
2016-17 \$	9098	222	-	185	219	500	236	1697	-	9474
2017-18	9213	222	-	160	195	471	179	1721	-	4812
<b>SAILING VESSELS</b>										
2011-12	417	2429	172	677	467	234	-	1392	83	2438
2012-13	204	2429	35	705	334	293	148	1347	145	2827
2013-14	211	2247	15	791	320	289	148	1347	192	4345
2014-15	211	1623	108	820	344	225	15	-	191	1012
2015-16	N.A	N.A	75	749	353	182	21	-	191	2746
2016-17 \$	6104	231	27	805	276	127	10	-	366	3118
2017-18	3084	231	115	559	264	152	79	-	45	1941
<b>TOTAL</b>										
2011-12	9542	2830	172	814	618	360	206	2111	83	8674
2012-13	9249	2830	35	832	506	391	332	2088	145	9474
2013-14	8788	2342	15	911	536	425	332	2088	192	13804
2014-15	8788	1957	108	974	528	396	164	2565	191	7005
2015-16	N.A	N.A	75	900	509	454	198	1912	191	9151
2016-17	15202	453	27	990	495	627	246	1697	366	12592
2017-18	12297	453	115	719	459	623	258	1721	45	6753

# Data relates to Andaman &amp; Nicobar Islands, Data include Lakshdweep only 2013-14

\* Data relates to Andhra pradesh is only Deep water port

\$ : Gujarat, Data include( AHPPL, APPPL ,APSEZL)

Table 3.3.7

## Employment of Manpower At Non Major Ports As On 31st March

(In numbers)

PORT	Year									
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
1	2	3	4	5	6	7	8	9	10	11
<b>GUJARAT</b>	1650	1590	981	1886	1814	1723	1593	1465	1327	1251
<b>MAHARASHTRA</b>	130	84	84	158	361	117	111	111	50	50
<b>GOA</b>	140	140	141	148	155	144	142	150	142	142
<b>DAMAN &amp; DIU</b>	22	22	22	13	10	10	10	10	10	16
<b>KARNATAKA</b>	146	145	145	124	124	124	0	60	61	53
<b>KERALA</b>	175	175	195	136	133	683	674	675	63	89
<b>TAMIL NADU</b>	60	60	51	56	28	35	19	37	30	49
<b>PUDUCHERRY</b>	59	59	66	60	485	485	222	178	218	233
<b>ANDHRA PRADESH</b>	269	269	269	1153	1195	1195	789	789	2153	2153
<b>ANDAMAN &amp; NICOBAR</b>										
<b>Island</b>	454	454	448	422	425	641	647	638	623	603
<b>Orissa</b>	118	118	118	N.A	367	759	355	355	607	485
<b>LAKSHADWEEP</b>	N.A	N.A	N.A	N.A	N.A	111	111	N.A	N.A	N.A
<b>TOTAL</b>	<b>3223</b>	<b>3116</b>	<b>2520</b>	<b>4156</b>	<b>5097</b>	<b>6027</b>	<b>4673</b>	<b>4468</b>	<b>5284</b>	<b>5124</b>

All the labour activities are done by Private laboures appointed by Stevedores.

## **SECTION – II**

### ***4. INTERNATIONAL PORT STATISTICS***

Table 4.1

**World Port Traffic - Port traffic league by TEU of  
total Containers Handled - 2011-2016**

(in '000 TEU)

Rank (2016)	Port Name	Country	Period	2011	2012	2013	2014	2015	2016	Percentage change over previous year	Avg. yearly growth rate 2012-2016
1	2	3	4	5	6	7	8	9	10	11	12
1	Shanghai	China PR of	CY	31739	32528	33620	35285	36516	37132	1.7	3.4
2	Singapore	Singapore	CY	29938	31649	32579	33869	30922	30904	-0.1	-0.6
3	Shenzhen	China PR of	CY	22570	22960	23280	24030	24142	23949	-0.8	1.1
4	Ningbo	China PR of	CY	13220	16783	17330	19450	20636	21586	4.6	6.5
5	Hong Kong	China PR of	CY	24384	23118	22352	22226	20073	19813	-1.3	-3.8
6	Busan	Korea	CY	16185	17023	17686	18683	19469	19245	-1.2	3.1
7	Guangzhou	China PR of	CY	14260	14514	15505	16363	17097	18311	7.1	6.0
8	Qingdao	China PR of	CY	13020	14609	15520	16624	17323	17998	3.9	5.4
9	Dubai Ports	UAE	CY	12618	13013	13632	15240	15585	15736	1.0	4.9
10	Tianjin	China PR of	CY	11588	12298	13012	14050	13881	14269	2.8	3.8
11	Port Kelang	Malaysia	CY	9435	10001	10350	10946	11887	13201	11.1	7.2
12	Rotterdam	Netherland	CY	11877	11866	11621	12298	12235	12385	1.2	1.1
13	Kaohsiung	Taiwan	CY	9636	9781	9938	10593	10264	10465	2.0	1.7
14	Antwerp	Belgium	CY	8664	8635	8578	8978	9654	10037	4.0	3.8
15	Dalian	China PR of	CY	6400	8064	9910	10805	9591	9735	1.5	4.8
16	Xiamen	China PR of	CY	6461	7209	8008	8572	9215	9630	4.5	7.5
17	Hamburg	Germany	CY	9014	8889	9257	9783	8821	8907	1.0	0.1
18	Los Angeles	US	CY	7941	8078	7869	8340	8160	8391	2.8	1.0
19	Tanjung Pelepas	Malaysia	CY	7302	7494	7417	8232	8797	8013	-8.9	1.7
20	Laem Chabang	Thailand	CY	5068	5926	6041	6583	6780	7430	9.6	5.8
21	Saigon Port	Vietnam	CY	4426	4892	5112	6334	6556	6825	4.1	8.7
22	Long Beach	US	CY	6061	5857	6731	6821	7192	6775	-5.8	3.7
23	New York/New Jersey	US	CY	5503	5530	5467	5772	6372	6252	-1.9	3.1
24	Saigon NewPort	Viet Nam	CY	3066	3515	3789	4750	5026	5987	19.1	14.2
25	Bremen Ports	Germany	CY	5915	6115	5838	5777	5547	5518	-0.5	-2.5
26	Valencia	Spain	CY	4327	4470	4328	4442	4615	5222	13.2	4.0
27	Tanjung Priok	Indonesia	CY	5618	6214	5466	5034	5154	4935	-4.2	-5.6
28	Khor Fakkan/Shrajah	UAE	CY	3230	3996	4000	4256	4414	4903	11.1	5.2
29	Algeciras-La Linea	Spain	CY	3601	4113	4343	4555	4516	4781	5.9	3.8
30	Jawaharlal Nehru	India	CY	4321	4259	4162	4467	4492	4500	0.2	1.4
31	Manila	Philippines	CY	3465	3707	3779	3810	3976	4427	11.3	4.5
32	Tokyo	Japan	CY	4554	4235	4885	4917	4150	4251	2.4	0.1
33	Jeddah	Saudi Arabia	CY	4010	4738	4561	4184	4102	3957	-3.5	-4.4
34	Gioia Tauro	Italy	CY	3307	3725	3652	3708	3512	3833	9.1	0.7
35	Piraeus	Greece	CY	1681	2815	3199	3493	3360	3736	11.2	7.3
36	Savannah	US	CY	2982	2949	3034	3346	3737	3645	-2.5	5.4
37	Felixtowe	UK	CY	3249	3368	3434	4072	3676	3635	-1.1	1.9
38	Santos	Brazil	CY	2986	3172	3449	3685	3780	3564	-5.7	3.0
39	Northwest Seaport Alliar	US	CY	3526	3580	3488	3428	3531	3564	0.9	-0.1
40	Mina Raysut (Salalah)	Oman	CY	3252	3630	3340	3030	2569	3325	29.4	-2.2
41	East Port Said Port	Egypt	CY	2864	2711	2947	3258	3036	3203	5.5	4.3
42	Marsaxiokk	Malta	CY	2360	2538	2745	2869	3064	3079	0.5	4.9
43	Tanger	Morocco	CY	2093	1826	2493	3078	2971	2964	-0.2	12.9
44	Metro Vancouver	Canada	CY	2507	2713	2825	2913	3054	2930	-4.1	1.9
45	Keelung	Taiwan	CY	2403	2705	2642	2943	2666	2866	7.5	1.5
46	Balboa	Panama	CY	3232	3251	3064	3236	3078	2832	-8.0	-3.4
47	Kobe	Japan	CY	2725	2564	2534	2617	2707	2801	3.5	2.2
48	Yokohama	Japan	CY	3083	3053	2926	2775	2787	2781	-0.2	-2.3
49	Ambarli	Turkey	CY	2122	2440	3318	3445	3062	2780	-9.2	3.3
50	Inchon	Korea, Rep. Of	CY	1998	1982	2161	2335	2368	2679	13.1	7.8
<b>Total top 50 Ports</b>				<b>375787</b>	<b>395101</b>	<b>407217</b>	<b>430300</b>	<b>430118</b>	<b>439687</b>	<b>2.2</b>	<b>2.7</b>

Period: CY= calendar year FY= Fiscal year

Source: Shipping Statistics Year Book 2017, Institute of Shipping Economic and Logistics (ISL)

**Table 4.2 World Port Traffic - Port Traffic League by Total Cargo Traffic 2012-16**

(In Million Tons)

S.No.	Port position(a)	Country	Nature	Period	Unit	2012	2013	2014	2015	2016	% change over previous year	Avg. Yearly growth 2012-2016
1	2	3	4	5	6	8	9	10	11		12	13
1	Shanghai	China, PR of	1	CY	MT	644.8	697.0	678.4	646.5	647.4	0.1	0.1
2	Singapore	Singapore	1	CY	FT	538.0	560.9	581.3	575.8	593.3	3.0	2.5
3	Guangzhou	China, PR of	1	CY	MT	451.3	470.9	501.0	475.5	544.4	14.5	4.8
4	Port Hedland	Australia	1	FY	MT	288.4	372.3	446.9	452.9	484.5	7.0	13.8
5	Ningbo	China, PR of	1	CY	MT	364.6	399.3	429.9	448.8	469.0	4.5	6.5
6	Rotterdam	Netherlands	1	CY	MT	441.5	440.5	444.7	466.4	461.2	-1.1	1.1
7	Qingdao	China, PR of	1	CY	MT	363.3	405.9	419.9	430.2	444.0	3.2	5.1
8	Tianjin	China, PR of	1	CY	MT	476.9	477.3	445.8	440.4	428.1	-2.8	-2.7
9	Busan	Korea, Rep. Of	1	CY	RT	298.7	313.3	335.4	347.7	349.7	0.6	4.0
10	Dalian	China, PR of	1	CY	MT	303.0	320.8	337.4	320.7	318.4	-0.7	1.2
11	Kwangyang	Korea, Rep. Of	1	CY	RT	237.3	239.5	253.4	272.0	283.1	4.1	4.5
12	Port of South Louisiana	US	1	CY	MT	253.0	241.6	264.8	265.6	267.5	0.7	1.4
13	Hong Kong	China, PR of	1	CY	MT	269.3	276.1	297.7	256.5	256.7	0.1	-1.2
14	Port Kelang	Malaysia	1	CY	MT	195.9	198.9	217.3	219.8	235.5	7.1	4.7
15	Xiamen	China, PR of	1	FY	MT	155.1	171.9	184.6	200.5	234.2	16.8	10.9
16	Houston	US	2	CY	MT	246.9	236.5	229.2	230.5	224.5	-2.6	-2.3
17	Antwerp	Belgium	1	CY	MT	184.1	190.8	199.0	208.4	214.2	2.8	3.9
18	Nagoya	Japan	1	FY	FT	202.6	208.2	207.6	197.9	193.3	-2.3	-1.2
19	Shenzhen	China, PR of	1	CY	MT	196.5	201.5	192.1	191.0	189.5	-0.8	-0.9
20	Los Angeles	US	1	CY	MT	175.2	165.1	176.5	176.7	188.0	6.4	1.8
21	Itaquai	Brazil	1	CY	MT	133.5	135.4	144.2	146.6	179.9	22.7	7.7
22	Qinhuangdao	China, PR of	1	CY	MT	233.2	253.3	261.7	246.6	179.7	-27.1	-6.3
23	Ulsan	Korea, Rep. Of	1	CY	RT	174.1	167.9	170.7	170.8	175.4	2.7	0.2
24	Dubai Ports	UAE	2	CY	MT	143.8	163.7	171.9	170.2	174.0	2.2	4.9
25	Chiba	Japan	1	CY	FT	152.0	154.0	162.8	167.0	170.4	2.0	2.9
26	Newcastle	Australia	1	FY	MT	148.9	159.6	164.3	163.9	167.8	2.4	3.0
27	Dampier	Australia	1	FY	MT	180.4	177.5	172.8	172.8	167.7	-3.0	-1.8
28	Long Beach	US	1	CY	RT	144.2	162.8	164.7	162.8	161.3	-0.9	2.8
29	Inchon	Korea, Rep. Of	1	CY	RT	143.9	146.1	150.1	157.6	161.3	2.3	2.9
30	Hamburg	Germany	1	CY	MT	130.9	139.1	145.7	137.8	138.2	0.3	1.4
31	Merto Vancouver	Canada	1	CY	MT	123.9	135.0	139.6	138.2	135.5	-2.0	2.3
32	Tubarao	Brazil	1	CY	MT	133.6	131.2	134.5	137.3	133.8	-2.5	0.0
33	Tanjung Plepas	Malaysia	1	CY	MT	116.3	120.0	131.5	136.3	127.2	-6.7	2.3
34	Gladstone	Australia	1	FY	MT	85.3	97.7	99.3	116.0	120.4	3.8	9.0
35	Kaohsiung	Taiwan	1	CY	MT	120.8	115.0	123.0	110.9	116.6	5.1	-0.9
36	Santos	Brazil	1	CY	MT	101.1	109.3	99.1	119.9	113.8	-5.1	3.0
37	Itaguaí	Brazil	1	CY	MT	103.8	104.8	111.6	110.4	112.4	1.8	2.0
38	Pyeongtaek	Korea, Rep. Of	1	FY	RT	95.6	100.7	109.3	117.0	112.2	-4.1	4.1
39	Yokohama	Japan	1	CY	FT	121.4	119.2	117.0	114.7	109.1	-4.9	-2.6
40	Hay Point	Australia	1	FY	MT	98.0	108.3	115.0	115.8	106.5	-8.0	2.1
41	Richards Bay	South Africa	1	CY	MT	90.2	91.7	94.8	102.4	99.4	-2.9	2.5
42	Kitakyushu	Japan	1	CY	FT	98.8	100.5	100.1	99.3	98.5	-0.8	-0.1
43	Kobe	Japan	1	CY	FT	87.2	88.4	92.4	97.0	98.3	1.3	3.0
44	Algras-La Line	Spain	1	CY	MT	83.0	85.6	88.1	92.0	96.9	5.3	3.9
45	Amsterdam Ports	Netherlands	1	CY	MT	94.3	95.8	97.8	98.8	96.0	-2.8	0.4
46	Saigon New Port	Viet Nam	1	FY	MT	76.4	93.6	94.9	93.7	95.4	1.8	5.7
47	Ust-Luga	Russia	1	CY	MT	46.8	62.6	75.7	87.9	93.4	6.3	18.9
48	Paradip	India	1	CY	MT	56.6	68.0	71.0	75.8	89.0	17.4	12.0
49	Tokyo	Japan	1	CY	FT	82.8	86.0	87.2	85.3	86.0	0.8	1.0
50	Daesan	Korea, Rep. Of	1	CY	MT	70.1	69.0	72.9	78.5	85.9	9.4	5.2

Note: Data presented in Tables concerning the ranking of ports, in terms of tons handled, need a careful interpretation as FT, RT and MT are not directly comparable figures.

Period: CY = Calendar Year, FY: Fiscal Year

MT=Metric tons

FT= Freight tons

RT= Revenue tons

Source: Shipping Statistics Year Book 2017 Published by Institute of Shipping Economics and Logistics (ISL)

Table 4.3

## Cargo Traffic - For Selected Ports in Asia - 2011-2016

Port	Year	Cargo Traffic ('000 Tonnes )				Percentage distribution of cargo traffic			Container Traffic ('000 TEUs)				Percentage of Container Cargo cargo to General Cargo
		Loaded	Unloaded	Total	Growth Rate (%)	General	Dry Bulk	Liquid	Loaded	Unloaded	Total	Growth Rate (%)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
<b>Hongkong</b> (China)	2011	119603	157841	277444	3.6	80.6	13.1	6.3	12090	12294	24384	2.9	94.2
	2012	114583	154699	269282	-2.9	80.2	13.2	6.6	11411	11707	23118	-5.2	94.4
	2013	113780	162275	276055	2.5	81.9	12.2	5.6	10878	11474	22352	-3.3	89.3
	2014	113552	184185	297737	7.9	72.6	22.1	5.3	10955	11271	22226	-0.6	92.9
	2015	103752	152736	256488	-13.9	73.7	18.4	7.9	9794	10279	20073	-9.7	93.9
	2016	105957	150774	256731	0.1	73.0	19.5	7.5	09507	10306	19813	-1.3	94.9
<b>Shanghai</b> (China)	2011	233969	356470	590439	10.5	...	...	...	...	...	31739	9.4	...
	2012	284528	360231	644759	9.2	...	...	...	...	...	32528	2.5	...
	2013	281398	415587	696985	8.1	...	...	...	...	...	33620	3.4	...
	2014	292433	385943	678376	-2.7	...	...	...	...	...	35285	5.0	...
	2015	258977	387537	646514	-4.7	...	...	...	...	...	36516	3.5	...
	2016	259351	388095	647446	0.1	...	...	...	...	...	37132	1.7	...
<b>Chiba(a)</b> (Japan)	2011	39558	110377	149935	-3.4	16.2	23.4	60.5	...	...	...	...	...
	2012	41199	110837	152036	1.4	12.7	19.3	68.0	...	...	...	...	...
	2013	39890	114071	153961	1.3	15.2	33.4	51.4	...	...	...	...	...
	2014	43732	119098	162830	5.8	12.7	24.6	62.7	...	...	...	...	...
	2015	43878	123086	166964	2.5	13.1	24.7	62.3	...	...	...	...	...
	2016	41931	128495	170426	2.1	15.2	23.1	61.7	...	...	...	...	...
<b>Port Kelang(a)</b> (Malaysia)	2011	89212	104514	193726	14.9	90.2	4.8	4.9	4685	4751	9436	6.4	95.3
	2012	89915	105941	195856	1.1	96.0	1.6	2.4	4975	5026	10001	6.0	90.3
	2013	90324	108604	198928	1.6	94.6	1.6	3.7	5148	5203	10351	3.5	...
	2014	95559	121730	217289	9.2	92.4	4.8	2.9	5463	5483	10946	5.7	...
	2015	100644	119142	219786	1.1	93.1	4.6	2.2	5945	5942	11887	8.6	...
	2016	113709	121748	235457	7.1	96.4	4.8	2.9	6617	6583	13200	11.0	96.0
<b>Singapore(a)</b> (Singapore)	2011	...	...	531176	5.5	63.2	2.2	34.6	...	...	29938	5.3	92.2
	2012	...	...	538012	1.3	65.7	2.8	31.5	...	...	31649	5.7	91.6
	2013	...	...	560888	4.3	65.1	2.7	32.2	...	...	32579	2.9	91.2
	2014	...	...	581268	3.6	66.1	2.6	31.3	...	...	33869	4.0	92.0
	2015	...	...	575846	-0.9	62.8	3.2	34.0	...	...	30922	-8.7	91.7
	2016	...	...	593297	3.0	59.5	3.1	37.3	...	...	30,904	-0.1	92.7

**Table 4.3  
(Contd...)**

**Cargo Traffic - For Selected Ports in Asia - 2011-2016**

Port	Year	Cargo Traffic ('000 Tonnes)				Percentage distribution of cargo traffic			Container Traffic ('000 TEUs)				Percentage of Container Cargo to General Cargo
		Loaded	Unloaded	Total	Growth Rate (%)	General Cargo	Dry Bulk	Liquid Bulk	Loaded	Unloaded	Total	Growth Rate (%)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
<b>Dubai</b>													
(UAE)	2011	54266	83504	137770	5.6	79.4	3.8	16.8	6132	6881	13013	12.4	...
	2012	56654	87178	143832	4.4	73.2	6.9	19.9	6480	6800	13280	2.1	...
	2013	63055	100626	163681	13.8	...	...	...	6354	7578	13932	4.9	...
	2014	68078	103782	171860	5.0	...	...	...	7054	8186	15240	9.4	...
	2015	65845	104383	170228	-0.9	...	...	...	7177	8407	15584	2.3	...
	2016	67072	105368	172440	1.3	...	...	...	7311	8425	15736	1.0	...
<b>Manila</b>													
(Philippines)	2011	17777	18889	36666	-4.1	93.8	4.3	1.9	1522	1944	3466	9.9	...
	2012	16366	24203	40569	10.6	98.6	-	-	1839	1868	3707	7.0	93.4
	2013	21169	23898	45067	11.1	86.1	6.3	7.6	1918	1860	3778	1.9	98.2
	2014	16988	34036	51024	13.2	84.3	7	8.6	1938	1873	3811	0.9	85.8
	2015	17490	39866	57356	12.4	84.1	7.8	8.1	1984	1992	3976	4.3	86.3
	2016	19483	41585	61068	6.5	94.3	3.0	2.7	2187	2240	4427	11.3	89.0
<b>Colombo</b>													
(Sri Lanka)	2011	17660	31955	49615	6.1	...	...	...	...	...	1970	12.6	...
	2012	24949	36721	61670	24.3	...	...	...	...	...	1963	-0.4	...
	2013	26029	37453	63482	2.9	...	...	...	...	...	1880	-4.2	...
	2014	29254	41540	70794	11.5	...	...	...	...	...	1747	-7.1	...
	2015	30447	43271	73718	4.1	...	...	...	...	...	1662	-4.9	...
	2016	33641	48580	82221	11.5	...	...	...	...	...	1600	-3.7	...
<b>Busan(b)</b>													
(South Korea)	2011	150005	131509	281514	12.4	94.1	2.3	3.6	8228	7956	16184	14.0	96.1
	2012	161376	137313	298689	6.1	93.0	2.7	4.2	8466	8557	17023	5.2	97.7
	2013	169081	144214	313295	4.9	95.0	1.9	3.1	8848	8838	17686	3.9	96.8
	2014	178425	156986	335411	7.1	94.0	2.4	3.6	9333	9350	18683	5.6	96.8
	2015	181041	166672	347713	3.7	93.9	2.4	3.7	10105	9363	19468	4.2	97.2
	2016	185748	163961	349709	0.6	94.0	2.4	3.6	9651	9595	19246	-1.1	97.2
<b>Bangkok(c)</b>													
(Thailand)	2011	7321	9947	17268	-4.0	100.0	...	...	684	622	1306	-10.1	...
	2012	8117	11440	19557	13.3	100.0	...	...	573	825	1398	7.0	88.2
	2013	8496	11134	19630	0.4	100.0	...	...	642	863	1505	7.7	89.8
	2014	10221	11374	21595	10.0	100.0	...	...	681	855	1536	2.1	90.4
	2015	9760	12088	21848	1.2	99.7	0.1	0.3	662	897	1559	1.5	90.4
	2016	11966	9823	21789	-0.3	95.7	3.7	0.5	616	874	1490	-4.4	90.8

Note : (a) Freight tons. (b) Revenue tons. Others Metric tons. (c) Fiscal Year.

Source : Shipping Statistics Year Book 2017 by ISL & official Websites of the Ports..

# **SECTION – II**

## ***5. GENERAL STATISTICS***



Table 5.1

## Gross Value Added by economic activity at constant (2011-12) basic prices

(Rs. in crore)

S.No.	Item	2011-12	2012-13	2013-14	2014-15	2015-16*	2016-17#	2017-18@	Percentage Change Over Previous Year					
									2012-13	2013-14	2014-15	2015-16*	2016-17#	2017-18@
1.	agriculture, forestry and fishing	15,01,947	15,24,288	16,09,198	16,05,715	16,16,146	17,17,467	18,03,039	1.5	5.6	-0.2	0.6	6.3	5.0
1.1	crops	9,82,151	9,83,809	10,37,060	9,98,425	9,69,344	10,18,168	10,56,560	0.2	5.4	-3.7	-2.9	5.0	3.8
1.2	livestock	3,27,334	3,44,375	3,63,558	3,90,449	4,19,637	4,61,171	4,93,676	5.2	5.6	7.4	7.5	9.9	7.0
1.3	forestry and logging	1,24,436	1,24,743	1,32,093	1,34,609	1,36,960	1,38,905	1,41,785	0.2	5.9	1.9	1.7	1.4	2.1
1.4	fishing and aquaculture	68,027	71,362	76,487	82,232	90,205	99,224	1,11,018	4.9	7.2	7.5	9.7	10.0	11.9
2.	mining and quarrying	2,61,035	2,62,609	2,63,107	2,88,685	3,17,974	3,48,089	3,65,677	0.6	0.2	9.7	10.1	9.5	5.1
3.	manufacturing	14,09,986	14,86,873	15,60,709	16,83,938	19,03,850	20,55,043	21,76,923	5.5	5.0	7.9	13.1	7.9	5.9
3.1	food products, beverages and tobacco	1,67,524	1,54,540	1,53,560	1,57,637	1,83,150	2,02,128	2,11,629	-7.8	-0.6	2.7	16.2	10.4	4.7
3.2	textiles, apparel and leather products	1,53,238	1,77,398	2,16,411	2,16,429	2,58,936	2,63,790	2,61,181	15.8	22.0	0.0	19.6	1.9	-1.0
3.3	metal products	2,29,627	2,38,520	2,77,322	2,61,206	2,25,306	2,84,800	2,91,176	3.9	16.3	-5.8	-13.7	26.4	2.2
3.4	machinery and equipment	3,34,670	3,45,731	3,24,994	3,57,017	4,29,550	4,70,363	5,01,173	3.3	-6.0	9.9	20.3	9.5	6.6
3.5	other manufactured goods	5,24,927	5,70,684	5,88,422	6,91,649	8,06,908	8,33,962	9,11,764	8.7	3.1	17.5	16.7	3.4	9.3
4.	electricity, gas, water supply & other utility services	1,86,668	1,91,635	1,99,601	2,14,047	2,24,158	2,46,491	2,67,720	2.7	4.2	7.2	4.7	10.0	8.6
5.	construction	7,77,335	7,80,050	8,00,771	8,35,229	8,65,335	9,17,754	9,69,194	0.3	2.7	4.3	3.6	6.1	5.6
6.	trade, repair, hotels and restaurants	8,83,582	9,81,620	10,34,506	11,35,841	12,61,426	13,89,176	15,28,421	11.1	5.4	9.8	11.1	10.1	10.0
6.1	trade & repair services	7,93,681	8,88,665	9,41,941	10,37,640	11,50,121	12,68,165	14,00,265	12.0	6.0	10.2	10.8	10.3	10.4
6.2	hotels & restaurants	89,901	92,955	92,565	98,201	1,11,305	1,21,011	1,28,156	3.4	-0.4	6.1	13.3	8.7	5.9
7.	transport, storage, communication & services related to broadcasting	5,29,534	5,69,523	6,17,556	6,71,848	7,31,399	7,56,239	7,83,793	7.6	8.4	8.8	8.9	3.4	3.6
7.1	railways	61,150	69,162	73,685	80,720	85,452	82,161	88,533	13.1	6.5	9.5	5.9	-3.9	7.8
7.2	road transport	2,62,442	2,82,425	3,00,563	3,20,813	3,43,155	3,62,252	3,84,266	7.6	6.4	6.7	7.0	5.6	6.1
7.3	water transport	6,910	7,052	7,345	7,954	8,095	8,567	9,131	2.1	4.2	8.3	1.8	5.8	6.6
7.4	air transport	4,393	4,183	4,550	5,188	6,053	7,171	8,431	-4.8	8.8	14.0	16.7	18.5	17.6
7.5	services incidental to transport	63,602	66,480	70,172	75,596	81,156	86,817	93,354	4.5	5.6	7.7	7.4	7.0	7.5
7.6	storage	5,108	5,716	5,210	5,529	6,245	6,062	6,661	11.9	-8.9	6.1	13.0	-2.9	9.9
7.7	communication & services related to broadcasting	1,25,930	1,34,505	1,56,031	1,76,047	2,01,243	2,03,209	1,93,418	6.8	16.0	12.8	14.3	1.0	-4.8
8.	financial services	4,80,226	5,29,792	5,77,914	6,27,255	6,72,788	6,97,103	7,26,709	10.3	9.1	8.5	7.3	3.6	4.2
9.	real estate, ownership of dwelling & professional services	10,50,651	11,50,239	12,89,493	14,46,460	16,21,999	17,97,341	19,22,437	9.5	12.1	12.2	12.1	10.8	7.0
10.	public administration and defence	4,91,155	5,01,383	5,10,046	5,43,853	5,65,106	6,13,896	6,83,628	2.1	1.7	6.6	3.9	8.6	11.4
11.	other services	5,34,827	5,68,262	6,00,748	6,59,262	7,11,691	7,80,373	8,76,624	6.3	5.7	9.7	8.0	9.7	12.3
12.	<b>TOTAL GVA at basic prices</b>	<b>81,06,946</b>	<b>85,46,275</b>	<b>90,63,649</b>	<b>97,12,133</b>	<b>1,04,91,870</b>	<b>1,13,18,972</b>	<b>1,21,04,165</b>	<b>5.4</b>	<b>6.1</b>	<b>7.2</b>	<b>8.0</b>	<b>7.9</b>	<b>6.9</b>

\*: Third Revised Estimates(New Series); #: Second Revised Estimates, @: First Revised Estimates

Totals may not tally due to rounding off

Source : Ministry of Statistics and Programme Implementation.



Table 5.3

## Imports of Principal Commodities

Commodity / Year	(US \$ Million)						(₹ Billion)					
	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
1	2	3	4	5	6	7	2	3	4	5	6	7
1. Cotton Raw & Waste	455.8	394.5	508.8	394.1	946.9	979.3	24.7	23.8	31	25.7	63.4	63.1
2. Vegetable Oil	11265.1	9389.7	10621.5	10492.1	10892.7	11637.5	612.7	568.4	648.9	686.8	730.4	750
3. Pulses	2450	2119.3	2786.1	3902.2	4244.1	2908.3	133.4	127.9	170.6	256.2	285.2	187.5
4. Fruits & vegetables	1247.5	1377.2	1665.7	1853.3	1783.4	2092.6	67.7	83.4	101.8	121.1	119.7	134.9
5. Pulp and Waste paper	745.9	767.5	944	955.7	975.1	1154.6	40.6	46.5	57.8	62.6	65.4	74.4
6. Textile yarn Fabric, made-up articles	1437.3	1503.6	1691.5	1715.1	1502.5	1837.4	78.2	91.1	103.4	112.2	100.8	118.4
7. Fertilisers, Crude & manufactured	8755.5	6263.9	7398.7	8071.5	5024	5376.3	477.2	381.6	453	525	337.1	346.5
8. Sulphur & Unroasted Iron Pyrts	319.5	183.1	286.4	217.1	131.2	165.9	17.4	11	17.5	14.2	8.8	10.7
9. Metaliferrous ores & other minerals	9152.2	8455.2	9299.4	7298.6	6194.2	9092.7	497.5	507.9	568.9	475.7	415.5	586
10. Coal, Coke & Briquettes, etc.	16995.9	16403.5	17802.6	13667.6	15759.9	22901.2	925.4	991.3	1089.1	893	1057.5	1476.4
11. Petroleum, Crude & products	164040.6	164770.3	138325.5	82944.5	86963.8	108658.6	8918.7	9978.9	8428.7	5405	5832.2	7003.2
12. Wood & Wood products	5081.5	5127.3	5471	5048.1	4891.8	6027.7	276.6	309.8	334.1	330.4	328.2	388.5
13. Leather & leather products	739.3	823.3	1005.1	968.1	935.3	1009.2	40.3	49.8	61.5	63.4	62.7	65
14. Organic & Inorganic Chemicals	16784.1	17446.8	18593	16586.4	16598.4	20631.5	913.4	1056.6	1134.9	1083.4	1113	1330
15. Dyeing/tanning/colou	2170	2419.1	2447.8	2247.5	2282.7	2887.5	118.1	146.4	149.4	147	153.1	186.1
16. Artificial resins, plastic materials, etc.	9988.5	10464.5	12070.3	11794.6	11964	14488.1	543.4	632.4	737.2	770.7	802.3	933.9
17. Chemical material & products	4859.8	4877.9	5306	5151.8	5375.1	6663.4	264.5	295.1	324.2	337.2	360.6	429.4
18. Newsprint	803.6	887.9	839.3	805.4	849.9	776.7	43.7	54	51.3	52.7	57	50.1
19. Pearls, precious & Semi-precious stones	22689.6	23988.4	22598.2	20069.9	23808.6	34278.9	1231.7	1442.9	1379.7	1313.7	1594.6	2209.7
20. Iron & Steel	17693.9	12686	16301.3	14977.5	11683	14617.5	963.1	765.9	997.5	979.6	783.9	942.1
21. Non-ferrous metals	9037.9	8877.8	10746.1	9726.1	9868.8	12811.7	491.8	535.9	657.2	635.9	661.9	825.8
22. Machine tools	3721.4	3064.4	3137.2	2757.5	3034.6	3519.6	202.4	185	191.8	180.7	203.5	226.8
23. Machinery, electrical & non-	30765.7	27123.6	27979.1	29436.1	28445.8	34258.8	1673.9	1639.1	1712.1	1930.2	1908.1	2208.3
24. Transport equipment	21286.9	19297.5	18345.4	18227.8	22687.7	22732.9	1158.3	1169.1	1125.2	1194.9	1523.4	1465.1
25. Project goods	6554.3	4551.1	3631.4	2761.1	2074.4	2077.6	356.6	274.4	222.1	180.4	139.2	133.9
26. Professional instrument, Optical	3755.5	3601.4	3714.5	3621.7	3857.2	4754.6	204.4	217.7	227.1	237.2	258.7	306.5
27. Electronic goods	32892.7	32384.7	36857.1	40021.9	41930.4	51541	1790.4	1959	2254.4	2620.8	2812	3322
28. Medcml. & Pharmaceutical	5461	5245.8	5432.8	5440	4995	5480.7	297.4	316.6	332.1	355.7	335	353.3
29. Gold	53820.6	28704.7	34407.2	31770.7	27518	33657.2	2921.5	1662.4	2106.6	2074.9	1844.4	2170.7
30. Silver	1974.8	4540	4523.5	3742.7	1839.2	3213.8	108	269.7	276.9	244.4	123.3	207.2
31. Other Commodities	23790.4	22473.7	23297	24340.8	25299.2	23345.5	1298.7	1360.8	1424.7	1592.2	1696.2	1504.5
<b>Total Imports</b>	<b>490736.8</b>	<b>450213.7</b>	<b>448033.5</b>	<b>381007.5</b>	<b>384356.9</b>	<b>465578.3</b>	<b>26691.7</b>	<b>27154.4</b>	<b>27370.7</b>	<b>24902.9</b>	<b>25777.1</b>	<b>30010.0</b>

Note : Data for 2017-18 are provisional and data for 2016-17 are revised.

Source : Directorate General of Commercial Intelligence and Statistics.

Table 5.4

## Exports of Principal Commodities

Commodity / Year	(US \$ Million)						(₹ Billion)					
	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
1	2	3	4	5	6	7	8	9	10	11	12	13
1. Tea	866	798.8	681.8	720	731.3	837.3	47.2	48.7	41.7	47.2	49.1	54
2. Coffee	866.1	798.8	814	783.9	842.8	968.6	47.1	48	49.7	51.3	56.5	62.5
3. Rice	6216	7790.1	7853.1	5846.6	5733.8	7733.9	338.6	470.9	480.3	382	384.4	498.4
4. Other cereals	1505.2	1204.2	869.1	261.2	212.3	248.3	81.8	71.8	52.6	17	14.3	16
5. Tobacco	924.1	1011.4	958.6	982	958.7	934.2	50.3	61.3	58.7	64.5	64.2	60.2
6. Spices	2786.1	2497.3	2430.3	2541.5	2851.9	3105.9	151.8	151.5	148.5	166.3	191.1	200.2
7. Cashew	747	842.3	909.3	768.6	786.9	922.4	40.7	51	55.7	50.3	52.8	59.5
8. Oil Meals	3038.6	2796.4	1324.2	553	805.4	1089.9	165.2	170.7	81.3	36	54.1	70.2
9. Oil seeds	1368.3	1291.7	1735.4	1246.9	1355.2	1174.3	74.5	78.3	106.4	81.8	91	75.7
10. Fruits & Vegetables	1799.2	2255.3	2153.5	2268.8	2454.7	2450	97.7	136.5	131.8	148.9	164.5	157.9
11. Cereal preparations & miscellaneous processed items	917.5	1149.5	1257.7	1319.8	1270.8	1416.8	49.9	69.7	76.9	86.4	85.2	91.3
12. Marine Products	3464.1	5016.6	5510.5	4767.5	5903.1	7387.7	188.4	306.3	336.9	312.2	395.9	476.4
13. Meat, dairy & poultry products	3804.3	5292.9	5385	4575.5	4368.8	4610.1	206.9	321.7	329.7	299.9	292.8	297.3
14. Iron Ore	1661.4	1552.4	515.3	191.5	1533.5	1471.1	89.8	94.5	31.4	12.6	102.9	94.9
15. Mica, Coal & Other Ores, Minerals including processed minerals	3805.1	4022.5	3903.5	3656	3578.2	3775	207.2	242.8	238.6	239.3	239.8	243.3
16. Leather & leather products	4771.9	5572.8	6030.5	5407.8	5165.6	5288.9	260	338.2	368.5	353.7	346.5	340.8
17. Ceramic products & glassware	1156.1	1292.2	1644.4	1712.1	1856.6	2131.4	62.9	78.3	100.5	112	124.5	137.4
18. Gems & Jewellery	42988.2	41388.3	41266.1	39284.3	43412.8	41544.4	2342.1	2503.4	2522.1	2574.2	2909	2678.3
19. Drugs & Pharmaceuticals	14421	14949.5	15431.5	16909.5	16785	17282.4	784.9	904.1	943.5	1106.5	1125.5	1114.1
20. Organic & Inorganic Chemicals	11478.8	12286	12473.6	11731.3	12336.1	15938.2	624.5	744.8	762.6	768	827.3	1027.4
21. Engineering Goods	59181.5	63902.7	73074.8	61949.5	67216.1	78706.3	3219.2	3876.8	4470.4	4050.6	4505.9	5073.9
22. Electronic Goods	8253	7843	6260.8	5959.5	5962.9	6393.9	449.3	475.6	382.6	390.6	399.8	412.3
23. Cotton Yarn/Fabs./made-ups, Handloom Products etc.	9599.7	11015.9	10774.6	10119.4	9862.2	10257.7	522.4	668.2	659.1	662.3	661.6	661.2
24. Man-made Yarn/Fabs./made-ups etc.	4536	5183.7	5275	4621.7	4557.1	4826.4	246.8	314	322.5	302.2	305.6	311.1
25. RMG of all Textiles	12948.7	14990.5	16833.3	16964.4	17368.2	16706.7	704.5	907.2	1029.4	1110.2	1164.6	1076.4
26. Jute Mfg. including Floor Covering	366.4	351.6	297	295.4	309.9	335.1	19.9	21.3	18.1	19.4	20.8	21.6
27. Carpet	1093.5	1178.3	1360.8	1440.1	1490.2	1429.8	59.5	71.3	83.2	94.3	99.9	92.1
28. Handicrafts excl. hand made carpet	989.7	1499.3	1378	1648	1926.7	1822.5	53.9	91.3	84.3	108	129.2	117.5
29. Petroleum Products	60865.1	63179.4	56794.1	30582.6	31545.3	37456.6	3308.2	3832.5	3460.8	1996.4	2115.1	2413.8
30. Plastic & Linoleum	5598.8	6147	5746	5764.2	5796.5	6850.9	304.6	372.7	350.8	377.5	388.7	441.6
31. Other Commodities	28383.1	25315.3	19410.2	17418.8	16873.7	18279.4	1543.4	1526.9	1185.9	1142.4	1131.7	1178.2
<b>Total Exports</b>	<b>300400.5</b>	<b>314415.7</b>	<b>310352</b>	<b>262291.4</b>	<b>275852.3</b>	<b>303376.1</b>	<b>16343.2</b>	<b>19050.3</b>	<b>18964.5</b>	<b>17164</b>	<b>18494.3</b>	<b>19555.5</b>

Note : Data for 2017-18 are provisional and data for 2016-17 are revised.

Source : Directorate General of Commercial Intelligence and Statistics & RBI.

Table 5.5

## Share of Sea-borne Trade in the Total Foreign Trade

(Value In Rs. Crore)

Year	Total Exports Including Re-exports	Share of Sea Borne in Exports(In Percentage)	Total Imports	Share of Sea Borne in Imports(In Percentage)	Share Of Sea Borne Trade To Total Foreign Trade (In Percentage)
1	2	3	4	5	6
1983-84	9771	74.4	15831	85.4	81.2
1984-85	11744	77.3	17134	87.7	83.6
1985-86	10895	71.7	19658	87.9	82.2
1986-87	12569	65.8	20201	82.7	76.1
1987-88	15674	62.1	22244	77.2	71.0
1988-89	20232	59.7	28235	72.9	67.4
1989-90	27681	59.5	35416	69.6	65.2
1990-91	32553	67.3	43193	81.1	75.1
1991-92	44042	66.6	47851	80.8	74.0
1992-93	53688	64.9	63375	78.0	72.0
1993-94	69751	66.1	73101	96.0	81.4
1994-95	82673	64.3	89971	79.8	72.4
1995-96	106353	63.7	122678	80.7	72.8
1996-97	118817	67.4	138920	82.4	75.5
1997-98	130101	64.4	154176	74.7	70.0
1998-99	139752	62.2	178332	67.9	65.4
1999-00	159095	58.4	215528	68.8	64.4
2000-01	129940	64.5	156166	68.4	66.6
2001-02	209018	64.6	245200	68.2	66.5
2002-03	255137	65.1	297206	61.5	63.2
2003-04	293367	64.8	359108	65.1	65.0
2004-05	375340	66.2	501065	65.8	65.9
2005-06	456418	69.1	660409	70.3	69.8
2006-07	571779	64.2	840506	66.6	65.6
2007-08	655864	66.0	1012312	67.1	66.6
2008-09	840760	67.8	1374440	73.0	71.1
2009-10	845530	59.8	1363740	67.4	64.5
2010-11	1136960	58.6	1683470	63.3	61.4
2011-12	1465960	59.5	2345460	65.3	63.1
2012-13	1634320	59.9	2669160	66.6	64.1
2013-14	1905010	60.2	2715430	68.9	65.3
2014-15	1896450	60.8	2737090	68.3	65.2
2015-16	1716380	60.1	2490310	66.5	63.9
2016-17	1849430	60.0	2577680	65.8	63.4
2017-18	1956510	61.1	3001030	64.3	63.1

Source : DGCI &amp; S, Ministry of Commerce

Table 5.6

## Outlay And Expenditure-Port Sector (central)

(Rs. In Crore)

Port	Annual Plan (2010-11)		Annual Plan (2011-12)		Annual Plan (2012-13)		Annual Plan (2013-14)		Annual Plan (2014-15)		Annual Plan (2015-16)		Annual Plan (2016-17)		Annual Plan (2017-18)	
	App. Outlay	Actual Exp.	App. Outlay	Actual Exp.	App. Outlay	Actual Exp.	App. Outlay	Actual Exp.	App. Outlay	Actual Exp.	App. Outlay	Actual Exp.	App. Outlay	Actual Exp.	App. Outlay	Actual Exp.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Kolkata (a)	50.88	49.76	63.73	21.29	28.45	17.34	38.03	5.86	43.75	23.04	46.00	7.73	267.97	164.50	264.58	258.46
Mumbai	179.58	116.76	176.57	142.05	279.79	149.30	427.60	24.87	50.00	76.53	230.79	31.51	301.00	196.25	410.03	234.15
JNPT	89.61	38.24	153.69	140.52	341.18	240.21	1559.10	137.58	647.54	294.82	235.85	83.98	562.38	417.19	1569.01	1383.01
Chennai	243.00	184.46	136.00	4.44	145.00	81.75	107.00	9.20	41.99	4.11	39.00	33.30	185.00	92.14	97.00	49.99
Cochin	259.35	160.86	115.08	92.21	93.45	78.47	123.05	3.40	42.84	17.20	3.00	6.81	33.99	17.76	27.22	27.79
Visakhapatnam	151.00	121.19	190.00	113.45	102.71	57.92	182.34	26.07	306.88	274.69	414.01	23.53	224.42	346.74	225.54	277.00
Deendayal	45.66	52.70	92.27	52.82	166.89	138.44	145.45	28.30	100.00	324.47	308.92	5.26	130.18	106.67	347.10	325.45
Mormugao	66.29	71.52	108.93	69.17	71.36	46.95	110.00	24.75	82.87	61.17	13.76	3.68	96.51	35.77	155.87	52.23
Paradip	166.21	81.26	70.00	74.80	127.31	73.73	96.91	55.65	132.60	85.10	22.50	68.14	67.00	93.10	64.50	76.97
New Mangalore	31.00	24.56	36.00	38.45	36.00	45.50	75.00	8.04	50.00	67.94	64.35	17.83	71.05	96.49	75.40	77.55
V.O. Chidambaram	90.94	172.08	291.97	369.65	201.42	42.63	547.82	3.19	600.85	34.09	422.33	90.17	111.84	95.89	162.50	140.07
Kamarajar Port Ltd.	95.00	70.12	60.00	61.92	73.50	80.03	600.00	28.38	220.00	62.50	200.00	99.81	500.00	545.64	325.00	403.95
Sethusamudram Ship Canal Project	10.00	6.02	10.01	8.51	4.00	2.12*	6.00	1.42*	0.50	2.94*	477.5	0.69*	1.00	0.46	0.00	0.00
WEB Based EDI Port Community System	4.88	4.46	2.38	2.01	2.00	2.00	1.00	##	0.50	0.00	3.85	0.00	0.00	0.00	0.00	0.00
Others (b)	362.86	223.31	673.09	518.08	901.87	579.43	635.00	318.98	464.80	38.01	704.38	48.57	625.92	570.93	606.21	597.94
Survey Vessels	15.00	15.00	15.00	15.00	0.00	0.00##	0.00	0.00##	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>1861.26</b>	<b>1392.30</b>	<b>2194.72</b>	<b>1724.37</b>	<b>2574.93</b>	<b>1633.70</b>	<b>4654.30</b>	<b>674.27</b>	<b>2785.12</b>	<b>1363.67</b>	<b>3186.24</b>	<b>520.93</b>	<b>3178.26</b>	<b>2779.53</b>	<b>4329.96</b>	<b>3904.56</b>

(a) Includes Haldia and RR Schemes

(b) Includes DCI,ALHW, Studies,Green port initiative,Sagar Mala,Dev.of Non Major Ports,IT for D/Shipping Coastal Shipping Berths,Pollution cess,River

\* The amount is recieved as equity fr&amp;&amp;-Rs.66.63 advanced paid earlier now Trasferred to revenue.

App.Outlay: Approved Outlay.

## - Not Available.

Source: Annual Plan-Port Sector (Deptt.of Shipping), Notes on Demands for Grants 2018-19 &amp; 2019-20

Port : All Ports

**Table 5.7**

**Overseas Cargo Handled during 2017-18 by Indian Ports**

(In '000 Tonnes)

Type of Cargo	Indian Lines		Foreign Lines		Total
	Cargo Handled	% Share	Cargo Handled	% Share	
<b>General Cargo</b>					
Loaded	2618.74	10.9	21301.57	89.1	23920.31
Unloaded	504.65	2.5	19863.21	97.5	20367.86
<b>Total</b>	<b>3123.39</b>	<b>7.1</b>	<b>41164.78</b>	<b>92.9</b>	<b>44288.17</b>
<b>Container</b>					
Loaded	3055.40	3.2	93657.85	96.8	96713.25
Unloaded	2698.67	2.7	97888.02	97.3	100586.70
<b>Total</b>	<b>5754.07</b>	<b>2.9</b>	<b>191545.87</b>	<b>97.1</b>	<b>197299.94</b>
<b>Dry Bulk</b>					
Loaded	1170.41	2.2	51702.26	97.8	52872.67
Unloaded	10657.03	3.4	299495.51	96.6	310152.53
<b>Total</b>	<b>11827.43</b>	<b>3.3</b>	<b>351197.77</b>	<b>96.7</b>	<b>363025.20</b>
<b>POL/Product &amp; Other Liquids</b>					
Loaded	1374.16	2.0	66632.57	98.0	68006.73
Unloaded	47628.77	15.7	255292.61	84.3	302921.37
<b>Total</b>	<b>49002.93</b>	<b>13.2</b>	<b>321925.18</b>	<b>86.8</b>	<b>370928.11</b>
<b>Grand Total</b>					
Loaded	<b>8218.71</b>	<b>3.4</b>	<b>233294.25</b>	<b>96.6</b>	<b>241512.95</b>
Unloaded	<b>61489.11</b>	<b>8.4</b>	<b>672539.35</b>	<b>91.6</b>	<b>734028.47</b>
<b>Total</b>	<b>69707.82</b>	<b>7.1</b>	<b>905833.60</b>	<b>92.9</b>	<b>975541.42</b>

Source: Major Ports and State Maritime Board

# **SECTION - III**

## ***APPENDICES***



## ***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 and labour for cargo handling.

2. There are 12 Major Ports viz. Kandla, Mumbai, J.L.Nehru, Mormugao, New Mangalore, Cochin, Tuticorin(VO-Chidambaranar), Chennai, Ennore(Kamarajar), Visakhapatnam, Paradip and Kolkata and 205 minor/intermediate ports situated along the coast line of about 7521 Kms. and at sea islands. Four of the major Ports viz. Mumbai, Calcutta, Chennai and Mormugao are more than 100 years old. Cochin and Visakhapatnam Ports have celebrated their Golden Jubilee. The Ports of Kandla, Tuticorin, New Mangalore and Paradip were developed in the post independent period and are, thus, relatively new. J. L. Nehru Port at Nhava Sheva became operational in 1989. Ennore Port Ltd. which was dedicated to the Nation in February, 2001, is the first corporatised port registered under Companies Act, 1956.

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

6. Ports mainly derive their revenue from cargo handled 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) Storage, (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 and for work on board the ship, workers registered with Dock Labour Board known as 'Dock Labour' are engaged.

9. Major Development in port sector

- a) **Privatisation of port facilities** : The Government has laid down guidelines for private sector participation in the port sector. Following areas have been identified.
- i) Leasing out assets of the port.
  - ii) Construction and operation of container terminals, multipurpose cargo berths and specialised cargo berths, warehousing, storage facilities, tank farms, container freight stations, setting up of captive power plants etc.
  - iii) Leasing of equipment for cargo handling and leasing of floating crafts from the private sector.
  - iv) Pilotage.
  - v) Captive facilities for port based industries.
- b) Government have also issued guidelines on joint venture formation in Major Ports which have come into force with effect from 1.9.2000. In order to attract private sector investment, model bid documents have been finalised for private sector projects laying down transparent bidding procedure, qualifications and selection criteria, bid evaluation procedure, termination payment, dispute resolution process etc. and detailed terms and conditions of the License Agreement, inter-alia, aiming at bankability, uniformity and reduction in time taken to select private parties.
- c) The powers of the port trust Boards have been increased to Rs. 50 crores in respect of additions/modifications/new investments and to Rs. 100 crores in case of replacement/renewal of assets.
- d) **Maritime States Development Council (MSDC)** : With a view to have an integrated approach for the development of both Major and Minor Ports, a maritime States Development Council was constituted under the Chairmanship of the Honourable Minister of Shipping. The Ministers in-charge of Ports in all Maritime States, UT of Pondicherry and A&N Administration, Daman & Diu and Lakshadweep are its members.
- e) **Tariff Authority for Major Ports (TAMP)** : The Major Port Trust Act, 1963 was amended by Port Laws (Amendment) Act, 1997 (15 of 1997) to provide for an independent Tariff Authority for Major Ports for fixing and revising the port tariff. An independent authority for the above purpose has been set up on 10.4.1997. The Major Port Trust Act, 1963 was further amended in the year 2000 for allowing major ports to form joint ventures with minor/foreign ports as well as companies

## **DEFINITIONS OF TERMS USED**

1. **Load Line** 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 vessels 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 there by 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 crange 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.	<b>Pilotage</b>	A port charge for guiding a ship in or out of a harbour through channels, passages or other waters by an authorised pilot.
15.	<b>Output per Berth Day</b>	Total tonnage handled distributed over the total number of berth days.
16.	<b>Idle Time</b>	Non-working time of a ship (without loading or unloading of cargo) at berth.
17.	<b>Pre-berthing Detention</b>	The time for which a ship waits before getting entry into a berth.
18.	<b>Berth Occupancy</b>	The time for which a berth is occupied (by ships).
19.	<b>Export</b>	Loaded overseas traffic.
20.	<b>Import</b>	Unloaded overseas traffic.
21.	<b>Traffic</b>	A scalar with only magnitude but no direction such as the total of exports and imports or loaded and unloaded cargo.
22.	<b>Traffic flows</b>	A vector with magnitude and direction such as passengers embarked/disembarked or cargo exports/imports.
23.	<b>Gang</b>	Gang is a group of workers formed as one unit for the purpose of handling cargo in the act of discharging from or loading on to the ship inside the ship inside the hatch-hold of the vessel or in the deck as per necessity.
24.	<b>Gang shift</b>	Refers to a gang (irrespective of number of persons in the gang) working in one shift.
25.	<b>Gang hours</b>	Number of hours per shift multiplied by number of gang shift.
26.	<b>Cranage</b>	The hire charges for providing a port crane for cargo handling.
27.	<b>Wharfage</b>	A port charge on the ships for all cargo conveyed on over or through a wharf/berth.